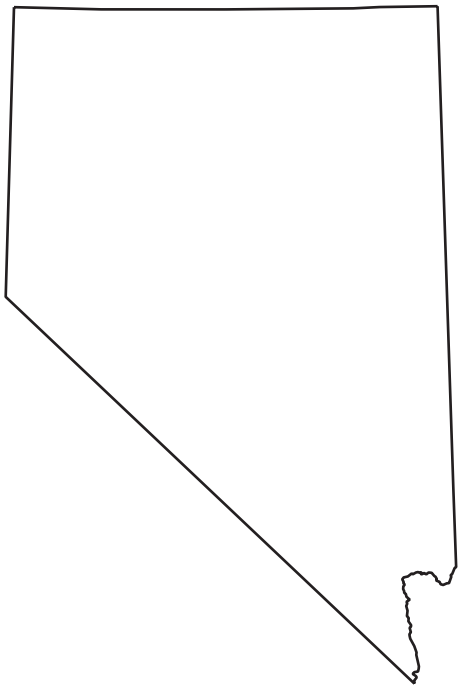
Prepared in cooperation with the State of Nevada and with other agencies

Water Resources Data
Nevada
Water Year 2004



Water-Data Report NV-04-1

U.S. Department of the Interior
U.S. Geological Survey

Calendar for Water Year 2004

2003

October

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2004

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UNITED STATES DEPARTMENT OF THE INTERIOR

GALE A. NORTON, Secretary

U.S. GEOLOGICAL SURVEY

Charles G. Groat, Director

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Carson City, Nevada 89706

2004

Water Resources Data
Nevada
Water Year 2004

By Laurie J. Bonner, David M. Evetts, James R. Swartwood, Jon W. Wilson

Water-Data Report NV-04-1

Prepared in cooperation with the State of Nevada and with other agencies

U.S. Department of the Interior
U.S. Geological Survey

U.S. Department of the Interior
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2004

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PREFACE

This report for Nevada is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface-water and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streams, canals, drains and springs, lakes and reservoirs, and observation wells provide the hydrologic information needed by Federal, State, and local agencies and the private sector for developing and managing our Nation's land and water resources.

This report is the culmination of a concerted effort by personnel of the U.S. Geological Survey who collected, analyzed, verified, and organized the data and who typed, edited, and assembled the report. The Nevada Data Management Unit had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines.

In addition to the authors, U.S. Geological Survey personnel in Nevada who contributed significantly to the collection and preparation of the data in this report were: Kip A. Allander, Nancy L. Alvarez, David L. Berger, Steven N. Berris, Robert E. Bostic, Robert L. Burrows, Kenneth J. Covay, E. James Crompton, Peggy E. Elliott, Larry P. Etchemendy, Joseph M. Fenelon, Kerry T. Garcia, Gary C. Gortsema, Goug D. Hutchinson, Clifford Z. Jones, Joseph J. Joyner, Randy S. Kyes, Richard A. LaCamera, Randell J. Laczniak, Michael S. Lico, Glenn L. Locke, Thomas J. Lopes, Douglas K. Maurer, Rose L. Medina, Michael T. Moreo, Rodney H. Munson, Walter E. Nylund, Gary L. Otto, Angela P. Paul, Michael T. Pavelko, Robert N. Pennington, Russell W. Plume, Alan M. Preissler, David E. Prudic, Steven R. Reiner, Micheal R. Rosen, Timothy G. Rowe, Ryan C. Rowland, Roslyn Ryan, Ronald J. Spaulding, Donald H. Schaefer, Robert J. Sexton, Emil L. Stockton, Daron J. Tanko, Carl E. Thodal, Karen A. Thomas, Mary L. Tumbusch, Eric B. Turner, Sonya L. Vasquez, Shannon C. Watermolen, Craig L. Westenburg, David B. Wood and James L. Wood.

WATER RESOURCES DATA - NEVADA, 2004

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS

The following continuous-record surface-water discharge stations (gaging stations) in Nevada and parts of California have been discontinued. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station. Those stations with an asterisk (*) after the station number are currently operated as crest-stage partial-record stations.

Station name	Station number	Drainage area (mi^2)	Period of record (water years)
Mesquite Canal near Mesquite, NV	09415060	--	1951-55
Bunkerville Canal near Bunkerville, NV	09415080	--	1951-55
Virgin River at Riverside, NV	09415190	5,890	1971-74, 1993-96
Virgin River above Halfway Wash near Riverside, NV	09415230	5,980	1978, 1980-83, 1985
White River near Preston, NV	09415500	--	1914
Water Canyon Creek near Preston, NV	09415515	11.0	1983-87, 1990-94
Pahranagat Valley Tributary near Hiko, NV	09415600	17.0	1964-77
White River above Upper Pahranagat Lake near Alamo, NV	09415700	2,630	1990-94
Pahranagat Wash near Moapa, NV	09415850	252	1988-93
Muddy River Power Diversion near Moapa, NV	09415950	--	1978-85
Muddy River above Moapa Indian Res near Moapa, NV	09416500	3,890	1914-18
Muddy River at Rr Pump Plant near Moapa, NV	09417000	3,900	1915-17
Muddy River at Weiser Ranch near Moapa, NV	09417400	4,360	1916-17
Meadow Valley Wash at Eagle Canyon, near Ursine, NV	09417500	293	1962-75
Meadow Valley Wash near Panaca, NV	09418000	450	1945-50
Mathews Canyon Wash near Caliente, NV	09418200	34.0	1958-84
Pine Canyon Wash near Caliente, NV	09418300	45.0	1958-84
Muddy River near Overton, NV	09419500	8,180	1913-16, 1948-52
Muddy River above Lake Mead near Overton, NV	09419515	8,310	1979-93
Lee Canyon near Charleston Park, NV	09419610	9.20	1963-94
Las Vegas Wash above Detention Basin near North Las Vegas, NV	09419648	--	1988-93
North Las Vegas Detention Basin Outlet at Craig Road near North Las Vegas, NV	09419649	1,920	1992-99
Las Vegas Wash at North Las Vegas, NV	09419650	1,300	1962-78
Las Vegas Wash at Lake Mead Drive near North Las Vegas, NV	09419655	--	1988-96
Las Vegas Creek at Lamb Blvd near Las Vegas, NV	09419656	46.3	1988-92
Flamingo Wash Detention Basin Outlet at Las Vegas, NV	09419672	--	1992-96
Flamingo Wash near Torrey Pines Drive near Las Vegas, NV	09419673	93.6	1988-99
Tropicana Wash at Swenson Street Bridge at Las Vegas, NV	09419676	--	1989-96
Flamingo Wash at Maryland Parkway at Las Vegas, NV	09419677	106	1970-78
Flamingo Wash at Eastern Avenue near Las Vegas, NV	094196775	108	1990-99
Duck Creek at Eastern Avenue at Las Vegas, NV	09419688	--	1988-96
Pittman Wash at Wigmam Parkway near Henderson, NV	09419695	68.31	1989-99
Las Vegas Wash above Three Kids Wash below Henderson, NV	09419753	2,180	1988-98
Las Vegas Wash below Lake Las Vegas below Henderson, NV	09419790	2,200	1992-2002
Thousand Springs Creek near Wilkins, NV	10172907	--	1985-90
Thousand Springs Creek near Shores, NV	1017290880	--	1985-87
Thousand Springs Creek below Toano Draw near Shores, NV	1017290885	--	1987-89
Thousand Springs Creek near Tacoma, NV	10172910	--	1911-14
Thousand Springs Creek near Montello, NV	10172914	--	1985-90
Snake Creek near Baker, NV	10243230	30.0	1913-15, 1916-17
Baker Creek at Narrows near Baker, NV	10243240	16.4	1947-55, 1993-97
Baker Creek near Baker, NV	10243250	10.0	1913-16
Franklin River near Arthur, NV	10244720	10.3	1964-83
Overland Creek near Ruby Valley, NV	10244745	9.00	1960-67, 1977-82
Duck Creek near Cherry Creek, NV	10245005	--	1986-88
Currie Spring near Currie, NV	10245030	--	1983-86
Goshute Creek near Cherry Creek, NV	10245040	9.67	1983-86
Illipah Creek near Hamilton, NV	10245445	31.5	1983-87, 1990-94
Newark Valley Trib near Hamilton, NV	10245800	157	1962-86
Stoneberger Creek near Austin, NV	10245925	35.6	1978-97
Big Spring near Duckwater, NV	10246835	--	1970-71
Little Currant Creek near Currant, NV	10246846	12.9	1964-81, 1983-86, 1990-94
Currant Creek at Ranger Station near Currant, NV	10246850	--	1913
Currant Creek (at Cazier's Ranch) near Currant, NV	10246860	--	1913-17, 1923

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS--Continued

Station name	Station number	Drainage area (mi^2)	Period of record (water years)
Big Warm Spring near Duckwater, NV	10246890	--	1915-16
Duckwater Creek near Duckwater, NV	10246900	--	1915-17
Upper Hot Creek Ranch Springs near Warm Springs, NV	10246910	0.07	1967-72
Hot Creek Ranch Springs near Warm Springs, NV	10246920	--	1967-73
Six Mile Creek near Warm Springs, NV	10246930	19	1967-68, 1984-91
Moores Station Springs at Moores Station, NV	10246940	136	1967-73
Warm Springs at Warm Springs, NV	10246950	--	1967-73
Hot Creek near Warm Springs, NV	10247050	1,030	1967-73
Big Creek near Warm Springs, NV	10247200	12.0	1991-94
Penoyer Valley Tributary near Tempiute, NV	10247860	1.48	1966-77
Eldorado Valley Tributary near Nelson, NV	10248510	1.41	1966-77
Willow Creek near Warm Springs, NV	10249190	16.4	1978-92
McClusky Creek near Austin, NV	10249200	11.6	1979, 1981-82
Campbell Creek Tributary near Eastgate, NV	10249411	2.14	1964-82
Chiatovich Creek near Dyer, NV	10249900	37.3	1961-82
Beatty Wash near Beatty, NV	10251215	94.6	1989-95
Amargosa River at Highway 95 below Beatty, NV	10251218	470	1963-68, 1991-95
Amargosa River near Beatty, NV	10251220	470	1964-68
Fortymile Wash above East Cat Canyon, Nevada Test Site, NV	10251242	40.8	1991-95
East Cat Canyon Wash at Fortymile Wash, Nevada Test Site, NV	10251243	13.3	1991-95
Unnamed Tributary to Stockade Wash near Rattlesnake Ridge Nevada Test Site, NV	10251248	3.9	1984-95
Stockade Wash near Fortymile Wash, Nevada Test Site, NV	10251249	68.2	1991-95
Fortymile Wash at Narrows, Nevada Test Site, NV	10251250	258	1983-97
Pagany Wash near the Prow, Nevada Test Site, NV	102512531	0.47	1994-95
Pagany Wash #1 near Well UZ-4, Nevada Test Site, NV	102512533	0.82	1992-95
Drillhole Wash above Well UZ-1, Nevada Test Site, NV	102512535	0.68	1994-95
Wren Wash at Yucca Mountain, Nevada Test Site, NV	1025125356	0.23	1994-95
Split Wash below Quac Canyon Wash, Nevada Test Site, NV	102512537	0.33	1993-95
Split Wash at Antler Ridge, Nevada Test Site, NV	1025125372	2.35	1993-95
Fortymile Wash near Well J-13, Nevada Test Site, NV	10251255	304	1983-97
Amargosa River at Highway 127, near CA-NV State Line	10251259	1,542	1993-95
Carson Slough at Ash meadows, NV	10251275	--	1993-97
Peak Spring Canyon Creek near Charleston Peak, NV	10251890	3.09	1977-83, 1984-94
Lees Creek near Pahrump, NV	10251900	--	1916
Intermittent Springs near Pahrump, NV	10251950	--	1916
Lovell Wash near Blue Diamond, NV	10251980	52.8	1967-77
Virginia Creek near Bridgeport, CA	10289000	63.6	1954-75
Green Creek near Bridgeport, CA	10289500	19.5	1954-75
Summers Creek near Bridgeport, CA	10290000	8.26	1954-59
Robinson Creek near Bridgeport, CA	10291000	40.2	1911-12
Swauger Creek near Bridgeport, CA	10292000	52.8	1912-15, 1954-75
East Walker River below Sweetwater Creek near Bridgeport, CA	10293050	467	1974-82
East Walker River above Mason Valley near Mason, NV near Mason, NV	10294000	--	1916-18, 1921-24
East Walker River near Yerington, NV	10294500	--	1903-08
East Walker River near Mason, NV	10295000	1,230	1911-16
West Walker River at Leavitt Meadows, near Coleville, CA	10295200	73.0	1945-64
Saroni Canal near Wellington, NV	10298000	--	1920-23
West Walker River near Wellington, NV	10298500	521	1918-24
Desert Creek near Wellington, NV	10299100	50.4	1965-69
Walker River near Nordyke, NV	10300500	--	1895
Walker River near Mason, NV	10300600	2,400	1974-84
Walker River at Mason, NV	10301000	--	1911-16, 1921-23
Walker River above Little Dam near Schurz, NV	10301745	--	1995-2001
Walker River at Shurz, NV	10302000	2,850	1914-33
East Fork Carson River above Soda Springs Ranger Station, near Markleeville, CA	10302500	30	1947-51
Silver King Creek near Coleville, CA	10303000	31.6	1947-51
East Fork Carson River at Silver King Valley, near Markleeville, CA	10303500	--	1911-12
Wolf Creek near Markleeville, CA	10304000	11.7	1947-51
Silver Creek below Pennsylvania Creek, near Markleeville, CA	10304500	19.6	1947-67
Silver Creek near Markleeville, CA	10305000	27.3	1911-12
East Fork Carson River near Markleeville, CA	10305500	208	1911-31
Hot Springs Creek near Markleeville, CA	10306000	14.3	1947-57
Hot Springs Creek at Markleeville, CA	10306500	26.7	1912-30
Pleasant Valley Creek above Raymond Canyon Creek near Markleeville, CA	10307000	14.6	1947-50
Pleasant Valley Creek near Markleeville, CA	10307500	25.2	1911-12
Markleeville Creek at Markleeville, CA	10308000	53.7	1911-31
East Fork Carson River at California-Nevada State Line, CA	10308500	300	1911-14
Indian Creek at Woodfords, CA	10309025	1.7	1987-91
Indian Creek at Diamond Valley near Paynesville, CA	10309030	16.15	1987-91

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS--Continued

Station name	Station number	Drainage area (mi^2)	Period of record (water years)
Indian Creek above Mouth near Gardnerville, NV	10309035	25.4	1994-98
Pine Nut Creek near Gardnerville, NV	10309050	10.14	1980-97
Buckeye Creek near Minden, NV	10309070	46.3	1980-97
East Fork Carson River at Minden, NV	10309100	392	1974-84, 1994-98
West Fork Carson River above Woodfords, CA	10309500	53	1947-51
Fredericksburg Canyon Creek near Fredericksburg, CA	10310300	3.71	1989-2000
Miller Spring near Sheridan, NV	10310350	--	1989-97
West Fork Carson River at Muller Lane near Minden, NV	10310358	--	1994-98
East Branch Brockliss Slough at Muller Lane near Minden, NV	10310402	--	1994-98
West Branch Brockliss Slough at Muller Lane near Minden, NV	10310403	--	1994-98
Carson River at Genoa, NV	10310405	570	1974-82
Vicee Canyon Creek near Carson City, NV	10311250	1.30	1983-85
Vicee Canyon Creek near Sagebrush Ranch near Carson City, NV	10311260	1.83	1984-85, 1989-97
Carson River near Empire, NV	10311500	988	1901-07, 1911-23
Buckland Ditch near Fort Churchill, NV	10311900	--	1962-72
Stillwater Slough Cutoff Drain near Stillwater, NV	10312220	--	1967-81
Paiute Diversion Drain near Stillwater, NV	10312240	--	1967-81
Paiute Drain above D-line Canal near Stillwater, NV	10312250	--	1989-90
Indian Lakes Canal near Fallon, NV	10312260	--	1967-81
Indian Lakes Canal below East Lake near Stillwater, NV	10312265	--	1979-82
D-line Canal below East Lake near Stillwater, NV	10312267	--	1989
Paiute Drain at Wildlife Entrance near Stillwater, NV	10312270	--	1980-82
TJ Drain at Wildlife Entrance near Stillwater, NV	10312274	--	1989-90
Carson River below Fallon, NV	10312280	--	1967-85
Bishop Creek near Wells, NV	10312500	125	1910-11
Starr Creek near Deeth, NV	10313000	--	1913-24
Marys River at Marys River Cabin, near Deeth, NV	10313500	--	1913-14
Hanks Creek near Deeth, NV	10314000	--	1913-14
Marys River at Buena Vista Ranch, near Deeth, NV	10314500	--	1913-14
Marys River near Deeth, NV	10315000	355	1903, 1912-28
Secret Creek near Halleck, NV	10316000	35.0	1917-24
Lamoille Creek near Halleck, NV	10317000	245	1913-19
North Fork Humboldt River near North Fork, NV	10317400	11.0	1965-82
Mahala Creek near Tuscarora, NV	10317420	4.48	1980-85
Mahala Creek at State Hwy 225 near Tuscarora, NV	10317430	22.9	1980-82
Gance Creek near Tuscarora, NV	10317450	6.45	1980-87
Gance Creek at State Hwy 225 near Tuscarora, NV	10317460	20.2	1980-82
North Fork Humboldt River near Halleck, NV	10318000	1020	1898-1900, 1904-1914
South Fork Humboldt River near Lee, NV	10319000	54.0	1945-55
Huntington Creek near Lee, NV	10319500	770	1949-73
Tenmile Creek above South Fork Humboldt River near Elko, NV	10319950	164	1989-90
Dixie Creek above South Fork Humboldt River near Elko, NV	10320100	159	1989-96
South Fork Humboldt River near Elko, NV	10320500	1,310	1896-1922, 1924-32, 1937-73
Susie Creek near Carlin, NV	10321500	82.5	1956-58
Jack Creek below Indian Creek near Carlin, NV	10321860	10.47	1991-93
Maggie Creek near Carlin, NV	10321970	--	1990-91
Pine Creek near Palisade, NV	10323000	999	1912-14, 1946-58
Humboldt River near Dunphy, NV	10323400	--	1981-83
Humboldt River near Argenta, NV	10323500	7,490	1946-83
Humboldt River below Slaven Ditch near Argenta, NV	10323600	--	1981-84
Rock Creek at Rock Creek Ranch near Battle Mountain, NV	10324000	--	1915, 1917
Reese River near Ione, NV	10325500	53.0	1951-80
Reese River near Berlin, NV	10326000	94.0	1913-16
Big Creek near Austin, NV	10326500	9.0	1914,1916
Reese River near Austin, NV	10326700	1,130	1964-68
Fish Creek near Battle Mountain, NV	10326800	64.7	1977-85
Humboldt River near Valmy, NV	10327000	--	1950-58
Pole Creek near Golconda, NV	10328000	10.7	1961-74
North Fork Little Humboldt River near Paradise Valley, NV	10328450	210	1976-82
South Fork Little Humboldt River near Paradise Valley, NV	10328475	431	1976-83
Little Humboldt River below Chimney Dam near Paradise Valley, NV	10328500	780	1942-51, 1975-82
Cottonwood Creek near Paradise Valley, NV	10330000	--	1925-34
Cottonwood Creek at Paradise Valley, NV	10330500	57.4	1945-51
Humboldt River near Winnemucca, NV	10330900	14,600	1961-64
Humboldt River near Rose Creek, NV	10331500	15,200	1948-70
H L I L & P Company Feeder Canal near Mill City, NV	10332490	--	1914-31, 1937-38
H L I L & P Company Feeder Canal near Imlay, NV	10332500	--	1947-77
Humboldt River near Humboldt, NV	10333500	--	1933

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS--Continued

Station name	Station number	Drainage area (mi^2)	Period of record (water years)
H L I L & P Company Outlet Canal near Humboldt, NV	10334000	--	1914-20, 1922-41
Humboldt River near Lovelock, NV	10336000	16,600	1912-27, 1950-59, 1998-2000
Toulon Drain at Derby Field Road near Toulon, NV	10336035	--	1998-2000
Army Drain above Iron Bridge near Lovelock, NV	10336039	--	1999-2000
Lower Humboldt Drain near Lovelock, NV	10336050	--	1965-66
Grass Lake near Meyers, CA	10336593	6.99	1971-74
Upper Truckee River near Meyers, CA	10336600	33.1	1961-86
Fallen Leaf Lake near Camp Richardson, CA	10336625	16.7	1969-92
Taylor Creek near Camp Richardson, CA	10336626	16.7	1969-92
Carnelian Creek at Carnelian Bay, CA	10336686	2.93	1999-2000
Edgewood Creek Tributary near Daggett Pass, NV	10336756	--	1981-83
Tributary of Edgewood Creek Tributary near Tahoe Village, NV	10336757	--	1981-83
Edgewood Creek Tributary at Highland Drive near Tahoe Village, NV	10336758	--	1981-83
Edgewood Creek near Stateline, CA	10336759	3.2	1983-87
Edgewood Creek at Lake Tahoe near Stateline, CA	10336765	5.50	1989-92
Summit Creek above Donnor Lake near Truckee, CA	10338100	4.96	1998
Donner Creek near Truckee, CA	10339000	29.4	1902-15, 1928-43
Truckee River above Prosser Creek near Truckee, CA	10339419	36.1	1993-98
South Fork Prosser Creek near Truckee, CA	10339500	6.37	1910
Prosser Creek at Hobart Mills, CA	10339700	27.4	1959-63
Alder Creek near Truckee, CA	10339900	7.47	1959-69, 1971-73
Prosser Creek near Truckee, CA	10340000	47.4	1904, 1908-12
Webber Creek near Truckee, CA	10341000	14.7	1910
Little Truckee River near Truckee, CA	10341500	32.3	1910
Little Truckee River below Diversion Dam near Sierraville, CA	10341950	36.1	1993-98
Little Truckee River near Hobart Mills, CA	10342000	37.1	1947-72
Little Truckee River at Highway 89 near Truckee, CA	10343200	59.0	1993-94
Bronco Creek at Floriston, CA	10345700	15.4	1993-98
Truckee River near Essex, NV	10347000	991	1889
Dog Creek near Verdi, CA	10347300	16.2	1956-61
Truckee River at Laughtons, CA	10347500	1,050	1890
Hunter Creek near Reno, NV	10347600	11.5	1962-72, 1978-81
Hunter Creek above Last Chance Ditch near Reno, NV	10347620	11.7	1993-95
Peavine Creek near Reno, NV	10347800	2.34	1963-74
Orr Ditch at Spanish Springs Valley near Sparks, NV	10348220	--	1992-95
Franktown Creek at Franktown, NV	10348500	14.0	1948-55, 1958
Galena Creek near Steamboat, NV	10348900	8.5	1961-94
Steamboat Creek at Steamboat Springs, NV	10349500	123	1900-2001
Whites Creek near Steamboat, NV	10349700	8.02	1962-66
Truckee River below Tracy, NV	10350400	1,590	1972-97
Truckee River at Clarks, NV	10350500	--	1907-15
Fernley A-Drain near Fernley, NV	10351350	--	1969-80
'A' Drain at Powerline Crossing near Fernley, NV	10351356	--	1989-90
Truckee River near Wadsworth, NV	10351800	--	1902-05
East Fork Quinn River near McDermitt, NV	10353000	140	1949-82
Quinn River near McDermitt, NV	10353500	1,100	1949-85
Kings River near Orvada, NV	10353600	20.5	1962-68 1976-95
Quinn River near Denio, NV	10353650	3,520	1964-67, 1978-81
Leonard Creek near Denio, NV	10353700	52.0	1961-83
South Willow Creek near Gerlach, NV	10353770	31.0	1973-2000
Red Mountain Creek near Gerlach, NV	10353790	30.0	1967-68
Badger Creek Trib near Vya, NV	10361700	7.70	1964-72
Wildhorse Reservoir near Gold Creek, NV	13174000	209	1938-96
Owyhee River at Patsville, NV	13174900	305	1972-75
Owyhee River at Mountain City, NV	13175000	350	1913-14, 1927-49
Owyhee River near Owyhee, NV	13175500	380	1914-26
Owyhee River above China Diversion Dam near Owyhee, NV	13176000	458	1939-84
Jack Creek below Schoonover Creek near Tuscarora, NV	13176900	19.8	1962-69
Jack Creek near Tuscarora, NV	13177000	31.0	1913-25
South Fork Owyhee River at Spanish Ranch near Tuscarora, NV	13177200	330	1959-74

DISCONTINUED SURFACE-WATER QUALITY STATIONS

The following surface water-quality sites have been discontinued. Water-quality data were collected and published for the period of record expressed in water years, shown for each station. Abbreviations: CH, chemical; TE, temperature; SE, sediment; BI, biological.

Station name	Station number	Type of data	Period of record (water years)
Virgin River at Bloomington, UT	09413300	CH, TE, SE, BI	1978-80
Virgin River above I15 Rest Area near Littlefield, AZ	09413600	CH, TE, SE, BI	1977-80
Virgin River below I15 Rest Area near Littlefield, AZ	09413650	CH, TE, SE, BI	1977-80
Virgin River at Mouth of Narrows near Littlefield, AZ	09413800	CH, TE, SE, BI	1977-80
Virgin River at Mesquite, NV	09415090	CH, TE, SE	1992-93
Virgin River at Riverside, NV	09415190	CH, TE, SE	1974-75, 1992-95
Virgin River below Riverside, NV	09415200	CH, TE, BI	1969-74
Virgin River above Halfway Wash near Riverside, NV	09415230	CH, TE, SE, BI	1909, 1978-86, 1992-95
Pahranagat Wash near Moapa, NV	09415850	CH, TE, SE	1991-93
Pahranagat Wash below Arrow Canyon near Moapa, NV	09415852	CH, TE, SE	1991-93
Muddy River near Moapa, NV	09416000	CH, TE, SE	1977-78, 1989-94
Muddy River at Weiser Ranch near Moapa, NV	09417400	CH, TE	1992
Meadow Valley Wash near Caliente, NV	09418500	CH, TE	1977-84, 1990
Meadow Valley Wash below Lyman Crossing	09418670	CH, TE	1990-91
Meadow Valley Wash below Hoya Siding near Rox, NV	09418685	CH, TE	1992
Meadow Valley Wash 1.1 Miles above Rox, NV	09418690	CH	1991
Meadow Valley Wash Seep West Side RR .6 Miles above Rox	09418692	CH, TE	1992-93
Meadow Valley Wash above Rox, NV	09418693	CH, TE	1990-93
Meadow Valley Wash near Rox, NV	09418700	CH, TE, SE	1988-94
Meadow Valley Wash below Farrier Wash near Rox, NV	09418750	CH, TE, SE	1990, 1993
Muddy River near Glendale, NV	09419000	CH, TE	1977-83
Muddy River near Overton, NV	09419500	CH	1977
Muddy River at Overton NV	09419505	CH, TE	1992
Muddy River below Overton, NV	09419510	CH, TE, BI	1970-74
Muddy River above Lake Mead near Overton, NV	09419515	CH, TE, SE, BI	1973, 1979-93
Las Vegas Wash above Detention Basin near North Las Vegas, NV	09419648	CH, TE, SE	1989, 1991-93
Las Vegas Wash at Vegas Valley Drive near Las Vegas, NV	094196784	CH, TE, SE, BI	1992
Las Vegas Wasteway near East Las Vegas, NV	09419679	CH, TE, SE	1979-80, 1994
Las Vegas Wash near Henderson, NV	09419700	CH, TE, SE, BI	1970-92, 2000-02
Las Vegas Wash below Henderson, NV	09419750	CH, TE, BI	1970-73
Las Vegas Wash above Three Kids Wash below Henderson, NV	09419753	CH, TE	1988-92, 1995
Las Vegas Wash below Lake Las Vegas below Henderson, NV	09419790	CH, TE, SE	1993-95
Las Vegas Wash near Boulder City, NV	09419800	CH, TE, SE, BI	1969-85, 1992, 2000-02
Lake Mead near Las Vegas Beach, NV	09420900	CH, TE	1973-83, 1985
Lake Mead at Saddle Island, NV	09420950	CH, TE	1973-83, 1985
Colorado River at Willow Beach, AZ	09421900	CH, TE	1992
Colorado River below Davis Dam, NV-AZ	09423000	CH, TE, SE, BI	1969-87, 1992
Colorado River Lagoon North of Riviera, AZ	09423050	CH, TE	1973-85, 1987-92
Colorado River below Lagoon North of Riviera, AZ	09423060	CH, TE	1973-85, 1987-90
Thousand Springs Creek near Wilkins, NV	10172907	CH, TE	1985-90
Thousand Springs Creek above Toano Draw near Shores, NV	1017290840	CH, TE	1986
Thousand Springs Creek near Shores, NV	1017290880	CH, TE	1985-87
Thousand Springs Creek below Toano Draw near Shores, NV	1017290885	CH, TE	1987-90
Thousand Springs Creek below Toano Draw near Shores, NV	1017290890	CH, TE	1986
Rock Spring Creek near Shores, NV	1017290950	CH, TE	1986
Thousand Springs Creek near Tacoma, NV	10172910	CH, TE	1987
Thousand Springs Creek above Eighteen Mile Canyon near Montello, NV	1017291080	CH, TE	1986
Crittenden Springs above Crittenden Reservoir near Montello NV	1017291130	CH, TE	1985-87, 1989-90
Thousand Springs Creek below Crittenden Creek near Montello, NV	1017291190	CH, TE	1985-86
Thousand Springs Creek near Montello, NV	10172914	CH, TE	1985-90
Lehman Creek near Baker, NV	10243260	CH, TE	1987-88, 1990

DISCONTINUED SURFACE WATER-QUALITY STATIONS--Continued

Station name	Station number	Type of data	Period of record (water years)
Cleve Creek near Ely, NV	10243700	CH, TE	1978
Franklin River near Arthur, NV	10244720	CH, TE	1977-83
Overland Creek near Ruby Valley, NV	10244745	CH, TE	1977-81, 1987-88, 1990
Illipah Creek near Hamilton, NV	10245445	CH, TE	1988, 1990
Illipah Creek Tributary near Hamilton, NV	10245450	CH, TE	1987
Pine Creek near Belmont, NV	10245900	CH, TE	1969, 1979-84
Mosquito Creek near Belmont, NV	10245910	CH, TE	1979-84
Stoneberger Creek near Austin, NV	10245925	CH, TE	1979-84
Lower Currant Creek near Currant, NV	10246846	CH, TE	1977-81
Willow Creek near Warm Springs, NV	10249190	CH, TE	1979-84
McClusky Creek near Austin, NV	10249200	CH, TE	1978-81
Kingston Creek below Cougar Canyon near Austin, NV	10249280	CH, TE	1977-84
North Twin River near Round Mountain, NV	10249295	CH, TE, SE, BI	1986
South Twin River near Round Mountain, NV	10249300	CH, TE, SE, BI	1967-96
Chiatovich Creek near Dyer, NV	10249900	CH, TE, SE, BI	1974-82, 1987-88, 1990
Amargosa River at Highway 95 below Beatty, NV	10251218	CH, TE	1993
Amargosa River near Beatty, NV	10251220	CH	1993
Unnamed Tributary-Stockade Wash near Rattlesnake Ridge, NTS, NV	10251248	CH, TE	1992-93
Stockade Wash at Airport Road, NTS, NV	102512484	CH, TE	1993
Yucca Wash near Mouth, Nevada Test Site, NV	10251252	CH, TE	1993
Pagany Wash Number 1, NTS, NV	102512533	CH, TE	1993
Cane Spring Wash Tributary below Skull Mountain, NTS, NV	102512654	CH, TE	1993
Amargosa River near Eagle Mountain below Death Valley Junction, CA	10251280	CH, TE	1993
Robinson Creek at Twin Lakes Outlet near Bridgeport, CA	10290500	CH, TE	1994-95
Buckeye Creek near Bridgeport, CA	10291500	CH, TE, SE	1977-79, 1995
East Walker River near Bridgeport, CA	10293000	CH, TE, BI	1959-71, 1973-85, 1994-95
East Walker River above Strosnider Drive near Mason, NV	10293500	CH, TE	1977-80, 1994-95
West Walker River at Highway 108 Bridge below Pickel Meadow, CA	10295300	TE, SE	1995
Little Walker River near Bridgeport, CA	10295500	CH, TE, SE	1977-85, 1990, 1995
West Walker River below Little Walker River near Coleville, CA	10296000	CH, TE, SE	1961-66, 1969-71, 1973-80, 1987-88, 1990, 1994-95
West Walker River near Coleville, CA	10296500	CH, TE	1977-84, 1994-95
West Walker River above Topaz Lake at Topaz, CA	10296650	CH, TE	1990-96
Topaz Lake near Topaz, CA	10297000	CH, TE	1994
West Walker River at Hoye Bridge near Wellington, NV	10297500	CH, TE	1977-96
West Walker River near Hudson, NV	10300000	CH, TE	1977-80, 1982, 1994-95
Walker River near Mason, NV	10300600	CH, TE	1977-84
East Drain above Mason Valley Wildlife Management Area near Yerington, NV	10301180	CH, TE	1994
Perk Slough at Mason Valley Wildlife Management Area Boundary near Wabuska, NV	10301280	CH, TE	1994
West Branch Spragg-Alcorn-Bewley Ditch at Sierra Way near Wabuska, NV	10301470	CH, TE	1994
Wabuska Drain at Sierra Way near Wabuska, NV	10301480	CH, TE	1994
Wabuska Drain above Confluence Walker River near Parker Butte near Wabuska, NV	10301495	CH, TE	1994
Walker River near Wabuska, NV	10301500	CH, TE, SE, BI	1969-95
Walker River above Weber Reservoir near Schurz, NV	10301600	CH, TE	1976-81, 1994
Weber Reservoir near Schurz, NV	10301700	CH, TE	1994
Walker River below Weber Reservoir near Schurz, NV	10301710	CH, TE	1977-80
Walker River above Canal 1-2 Diversion Weir near Schurz, NV	10301740	CH, TE	1994
Walker River at Little Dam Weir above Schurz, NV	10301750	CH, TE	1977-81
Lateral 1A above Highway 95 at Schurz, NV	10301765	CH, TE	1994-95
Lateral 2A at Takeout near Schurz, NV	10301770	CH, TE	1994-95
Lateral 2D below Schurz, NV	10301780	CH, TE	1994
Walker River at Schurz, NV	10302000	CH, TE	1994-95
Walker River at Lateral 2-A Siphon near Schurz, NV	10302002	CH, TE, SE	1994-95
Walker River at Powerline Crossing near Schurz, NV	10302005	CH, TE, SE	1994-95
Walker River near Mouth at Walker Lake, NV	10302025	CH, TE	1994-95
East Fork Carson River Below Markleeville Creek near Markleeville, CA	10308200	CH, TE, SE, BI	1966-70, 1977-81, 1992, 1998
East Fork Carson River above Bryant Creek near Gardnerville, NV	10308525	CH, TE, SE	1998
Leviathan Creek above Mine near Markleeville, CA	10308783	CH, TE	1980-82
Leviathan Mine Tunnel Spring near Markleeville CA	10308784	CH, TE	1980-82

DISCONTINUED SURFACE WATER-QUALITY STATIONS--Continued

Station name	Station number	Type of data	Period of record (water years)
Leviathan Mine Pit Flow near Markleeville, CA	10308785	CH, TE	1980-82
Leviathan Mine Waste Flow near Markleeville, CA	10308786	CH, TE	1980-82
Leviathan Mine Seep below Crusher near Markleeville, CA	10308787	CH, TE	1981-82
Leviathan Creek below Delta near Markleeville, CA	10308788	CH, TE	1981-82
Leviathan Creek below Mine near Markleeville, CA	10308790	CH, TE	1980-82
Bryant Creek below Mountaineer Creek near Markleeville, CA	10308794	CH, TE, SE	1982, 1998
Bryant Creek near Gardnerville, NV	10308800	CH, TE, CH, SE	1979, 1982 1998
Bryant Creek above East Fork Carson River near Gardnerville, NV	10308875	CH, TE, SE	1998
East Fork Carson River below Bryant Creek near Gardnerville, NV	10308900	CH, TE, SE	1998
East Fork Carson River near Gardnerville, NV	10309000	CH, TE, CH, TE, SE CH, TE	1977 1978-80, 1981-84, 1987-96
East Fork Carson River near Dresslerville, NV	10309010	CH, TE, SE, BI	1993-95, 1996, 1998
East Fork Carson River at Riverview Drive Bridge near Dresslerville, NV	10309089	CH, TE, SE	1998
East Fork Carson River at Minden, NV	10309100	CH, TE, BI	1977-84, 1994-95
West Fork Carson River above Woodfords, CA	10309500	BI	1994-95
West Fork Carson River at Woodfords, CA	10310000	CH, TE, SE	1961-84, 1987-88, 1990, 1994
West Fork Carson River at Paynesville, CA	10310200	CH, TE, BI	1992-97
West Fork Carson River near Dresslerville, NV	10310355	CH, TE	1990-91
West Fork Carson River at Muller Lane near Minden, NV	10310358	BI	1994-95
Daggett Creek near Genoa, NV	10310400	CH,TE	1981
Carson River at Genoa, NV	10310405	CH, TE	1977-81
Carson River at Cradlebaugh Bridge near Genoa, NV	10310450	CH, TE, SE CH, TE	1983, 1988
Clear Creek near Carson City, NV	10310500	CH, TE	1987-89, 1996-97
Carson River at McTarnahan Bridge near Carson City, NV	10310800	CH	1992
Carson River near Carson City, NV	10311000	CH, TE, SE, BI	1977-84, 1990-97
North Fork Kings Canyon Creek near Carson City, NV	10311090	CH	1996-97
Kings Canyon Creek near Carson City, NV	10311100	CH, TE	1977-84, 1996-97
Ash Canyon Creek near Carson City, NV	10311200	CH, TE	1977-84, 1996-97
Eagle Valley Creek at Carson City, NV	10311300	SE	1997
Carson River at Deer Run Road near Carson City, NV	10311400	CH, TE, SE	1979-84, 1993-95, 1998-99
Carson River at Dayton, NV	10311700	CH, TE, SE, BI	1994-95, 1997-98
Gold Canyon Creek at Dayton, NV	10311710	CH, TE, SE	1998
Carson River below Dayton, NV	10311715	CH, TE, SE	1998-99
Six Mile Canyon Creek at Highway 50 near Dayton, NV	10311725	CH, TE, SE	1998
Carson River at Chaves Ranch near Clifton, NV	10311860	CH, TE, SE	1998-99
Carson River 2.8 miles below Highway 95 near weeks, NV	10312025	CH, TE, SE	1998
Carson River near mouth at Lahontan Reservoir, NV	10312030	CH, TE, SE	1998
Carson River Diversion Dam Outflow at V-Canal near Fallon, NV	10312155	CH, TE, SE	1998
Sheckler Reservoir at Outlet near Fallon, NV	10312165	CH, TE, SE	1986-88
Upper Westside Drain at Candee Lane near Fallon, NV	10312167	CH, TE	1988
Holmes Drain at Gage near Fallon, NV	10312170	CH, TE	1987-89, 1994
G-line Extension on Drain at US 95 near Fallon, NV	10312171	CH, TE	1987-89
Sheckler Drain at St. Clair Road near Fallon, NV	10312172	CH, TE	1988
South Branch Carson River at St. Clair Road near Fallon, NV	10312173	CH, TE	1988
Harrigan Road Drain above Upper Diagonal Drain near Fallon, NV	10312176	CH, TE	1988
“L” Drain above Diagonal Drain near Fallon, NV	10312178	CH, TE	1988
Carson Lake Drain above Carson Lake near Fallon, NV	10312180	CH, TE, SE, BI	1986-87, 1989, 1994-97
Pasture Road Drain above Diagonal Drain near Fallon, NV	10312181	CH, TE	1988
Lower Diagonal Drain at Pasture Road near Fallon, NV	10312182	CH, TE, SE, BI	1988, 1994-97
“L” Drain above Lee Drain near Fallon, NV	10312183	CH, TE, BI, SE	1987-89, 1994-97
L 12 Canal above Macari Lane near Fallon, NV	1031218750	CH, TE, SE	1995-96
Lower Diagonal Drain at Highway 50 near Fallon, NV	10312190	CH, TE	1986-88, 1995
Lower Diagonal Drain at Gage near Stillwater, NV	10312200	CH, TE	1988
S-Line Reservoir Outflow near Fallon, NV	1031220120	CH, TE. SE	1998
Harmon Reservoir Outflow near Fallon, NV	1031220130	CH, TE. SE	1998
New River Canal below New River Slough near Stillwater, NV	10312206	CH, TE	1988
Stillwater Point Diversion Drain near Stillwater, NV	10312215	CH, TE, SE	1986-90
Stillwater East-West Canal below Outlet near Stillwater, NV	10312216	CH, TE, SE	1988, 1998

DISCONTINUED SURFACE WATER-QUALITY STATIONS--Continued

Station name	Station number	Type of data	Period of record (water years)
Stillwater Slough Cutoff Drain near Stillwater, NV	10312220	CH, TE, SE	1971, 1977-78, 1986, 1996, 1998
D-Line Canal at Sagouspe Dam near Fallon, NV	10312256	CH, TE, SE	1998
D-Line Canal below East Lake near Stillwater, NV	10312267	CH, TE, SE	1987-89
Carson River at Tarzyn Road near Fallon, NV	10312275	CH, TE, SE	1992-95, 1998
Dixie Creek above South Fork Humboldt River near Elko, NV	10320100	SE	1990-96
Fish Creek near Battle Mountain, NV	10326800	CH, TE	1977-84
Humboldt River near Golconda, NV	10327800	CH, TE	1990-91
North Fork Little Humboldt River near Paradise Valley, NV	10328450	CH, TE	1977-82
South Fork Little Humboldt River near Paradise Valley, NV	10328475	CH, TE	1978-82
Little Humboldt River below Chimney Dam near Paradise Valley, NV	10328500	CH, TE	1978, 1980-82
Little Humboldt River near Paradise Valley, NV	10329000	CH, TE	1977-84
Martin Creek near Paradise Valley, NV	10329500	CH, TE	1977-84
Cottonwood Creek near Paradise Valley, NV	10330000	CH, TE, SE	1977
Humboldt River near Humboldt, NV	10333500	CH, TE	1971
Rye Patch Reservoir near Rye Patch, NV	10334500	CH, TE	1990-91
Lovelock Drain above Graveyard Drain near Lovelock, NV	10335750	CH, TE	1990-91
Bradys Hot Springs Creek at Road Crossing at Bradys Hot Springs, NV	10336150	CH, TE	1988
Big Meadow Creek above Highway 89, CA	103365932	CH, TE, SE	1996-97
Upper Truckee River at mouth - east channel	103366117	CH, TE, SE	1996-97
Taylor Creek at Highway 89 near Camp Richardson	10336628	CH, TE, SE	1998
Blackwood Creek below North Fork Blackwood Creek near Tahoe City, CA	103366594	CH, TE, SE	1989
Blackwood Creek at Blackwood Canyon Road near Tahoe City, CA	103366596	CH, TE, SE	1989
First Creek above Len Way near Incline Village, NV	10336683	CH	1980
First Creek above Dale Drive near Incline Village, NV	10336685	CH, TE, SE	1980-81
Dale Drive Ditch at First Creek near Incline Village, NV	10336686	CH, TE, SE	1980-81
Dale Drive Ditch near Incline Village, NV	10336687	CH, TE, SE	1980-81
First Creek near Crystal Bay, NV	10336688	CH, TE, SE	1970-73, 1991-2002
Second Creek near Crystal Bay, NV	10336690	CH, TE, SE	1970-73
West Fork Second Creek at Lakeshore Drive near Crystal Bay	103366905	CH, TE, SE	1995-97, 2000
Second Creek at Lakeshore Drive near Crystal Bay, NV	10336691	CH, TE, SE	1991-2001
Burnt Creek at Lakeshore Drive at Incline Village, NV	103366913	CH, TE, SE	2000
Wood Creek above Jennifer Street near Incline Village, NV	10336692	CH, TE, SE	1991-2001
Wood Creek near Crystal Bay, NV	10336693	CH, TE, SE	1970-73
Wood Creek at mouth near Crystal Bay, NV	10336694	CH, TE, SE	1970-73, 1991-2002
Third Creek below Unnamed Tributary near Incline Village, NV	103366958	CH, TE, SE	1989, 1991-2001
Third Creek at Incline Village, NV	10336696	CH, TE, SE	1970-73
Third Creek at Village Boulevard at Incline Village, NV	103366965	CH, TE, SE	1989, 1991-2000
Third Creek at Highway 28 at Incline Village, NV	10336697	CH, TE, SE	1989
Incline Creek Tributary at Country Club Drive near Incline Village, NV	103366997	CH, TE, SE	1989, 1991-2002
Incline Creek Tributary at Highway 28 at Incline Village, NV	103366999	CH, TE, SE	1989-90
Marlette Creek near Carson City, NV	10336715	CH, TE	1977-84, 1990-91
Glenbrook Creek at US 50 near Glenbrook, NV	10336720	CH, TE, SE	1989
Glenbrook Creek at Old Highway 50 near Glenbrook, NV	10336725	CH, TE, SE	1972-74, 1989, 91, 2000
North Logan House Creek at Highway 50 near Glenbrook, NV	10336735	CH, TE, SE	1991-2002
Logan House Creek at Lake Tahoe near Glenbrook, NV	10336745	CH, TE, SE	1989
Burke Creek above mouth near Stateline, NV	10336748	CH, TE, SE	2001-02
Edgewood Creek below South Benjamin Drive near Daggett Pass, NV	10336750	CH, TE, SE	1989, 1991-2002
Edgewood Creek Tributary near Daggett Pass, NV	10336756	CH, TE, SE	1981-83, 1991-2001
Tributary of Edgewood Creek Tributary near Tahoe Village, NV	10336757	CH, TE, SE	1982-83
Edgewood Creek Tributary at Highland Drive near Tahoe Village, NV	10336758	CH, TE, SE	1981-83
Edgewood Creek at Palisades Drive near Kingsbury, NV	103367585	CH, TE, SE	1990-2002
Sediment Catchment Basin near Tahoe Village, NV	103367595	CH, TE, SE	1985
Edgewood Creek below Highway 50 near Stateline, NV	10336761	CH, TE, SE	1984-85, 1989, 1992
Edgewood Creek at Lake Tahoe near Stateline, NV	10336765	CH, TE, SE	1984-85, 1989-2002
Truckee River at Tahoe City, CA	10337500	CH, TE	1991-93
Squaw Creek at Squaw Valley Road at Squaw Valley, CA	10337850	CH, TE	1980
Squaw Creek at Highway 89, near Squaw Valley, CA	10337855	CH, TE	1991-92
Truckee River Tributary near Truckee, CA	10337900	CH, TE	1991
Truckee River near Truckee, CA	10338000	CH, TE	1992
Truckee River above Donner Creek, near Truckee, CA	10338010	CH	1991
Donner Creek at Donner Lake near Truckee, CA	10338500	CH, TE	1980

DISCONTINUED SURFACE WATER-QUALITY STATIONS--Continued

Station name	Station number	Type of data	Period of record (water years)
Donner Creek near Truckee, CA	10339000	CH, SE	1980
Donner Creek at Mouth, near Truckee, CA	10339003	CH, TE	1991-92
Truckee River at Highway 267, at Truckee, CA	10339010	CH, TE	1980, 1991-92
Martis Creek at Highway 267 near Truckee, CA	10339250	CH, TE, SE	1973-86
Martis Creek near Mouth, at Truckee River near Truckee, CA	10339405	CH, TE	1980, 1991-92
Truckee River above Prosser Creek near Truckee, CA	10339419	CH, TE	1994-98
Truckee River at Old US 40 Bridge, below Truckee, CA	10339498	CH, TE	1980, 1991-92
Prosser Creek below Prosser Creek Dam, CA	10340500	TE	1993-98
Little Truckee River below Boca Dam near Truckee, CA	10344500	TE	1993-98
Truckee River at Boca Bridge near Truckee, CA	10344505	CH, TE	1980
Truckee River near Hirschdale Dump near Hirschdale, CA	10344992	CH, SE	1980
Truckee River below Hirschdale Dump near Hirschdale, CA	10344993	CH, SE	1980
Truckee River at Floriston Dam, near Floriston, CA	10345909	CH, TE	1980, 1991-92
Truckee River below Farad Powerhouse at Farad, CA	10345980	CH, TE	1992
Truckee River at Farad, CA	10346000	CH, TE, SE, BI	1960-61, 1967-81, 1992-98
Truckee River near Essex, NV	10347000	BI	1994-95
Truckee River at Crystal Peak Park at Verdi, NV	10347050	CH, TE, BI	1980
Dog Creek at Verdi, NV	10347310	CH, TE	1991
Truckee River at Bridge Street Bridge at Verdi, NV	10347320	CH, TE	1980, 1992
Truckee River below Viking Plant near Verdi, NV	10347335	CH, SE	1980
Truckee River near Verdi, NV	10347336	CH, TE, SE	1980
Truckee River Intragravel near Verdi, NV	10347337	CH, TE	1980
Truckee River near Mogul, NV	10347460	CH, TE	1992
Hunter Creek Reservoir Drain at Mayberry Drive at Reno, NV	10347615	CH, TE	1992
Truckee River at Circle Creek Ranch near Reno, NV	10347640	CH, TE	1992
Truckee River at Mayberry Drive below Lawton, NV	10347690	CH, TE, SE, BI	1979-80, 1992
Truckee River at Idlewild Park at Reno, NV	10347705	CH, TE, BI	1992, 1994-95
Peavine Creek near Reno, NV	10347800	CH, TE, SE	1967, 1969-71, 1973-74
Truckee River in Wingfield Park at Reno, NV	10347861	CH, SE	1980
Highland Plant Spill at Arlington Bridge at Reno, NV	10347870	CH, TE	1992
Truckee River at Reno, NV	10348000	CH, TE, SE, BI	1977-84, 1989-94, 1996-98
Truckee River near Sparks, NV	10348200	CH, TE, SE, BI	1979-80, 1992-95
Truckee River Intragravel near Sparks, NV	10348201	CH, TE	1980
Orr Ditch above Spanish Springs Valley near Sparks, NV	10348215	CH, TE	1980
Orr Ditch at Spanish Springs Valley near Sparks, NV	10348220	CH, TE	1995, 1998
North Truckee Drain at Spanish Springs Road near Sparks, NV	10348245	CH, TE	1980, 1995
Franktown Creek near Carson City, NV	10348460	CH, TE	1977-84
Washoe Lake near Carson City, NV	10349980	CH, TE	1980-84
Little Washoe Lake near Steamboat, NV	10348800	CH, TE	1980-83
Galena Creek near Steamboat, NV	10348900	CH, TE	1977-1984
Steamboat Creek at Steamboat, NV	10349300	CH, TE	1971, 1977-80, 1982-83
Steamboat Creek below Steamboat Ditch at Steamboat, NV	10349490	CH, TE	1980
Boynton Slough above Boynton Lane near Reno, NV	10349880	CH, TE	1980
Dry Creek above Steamboat Ditch near Reno, NV	10349910	CH, TE, SE	1995
Dry Creek at Huffaker Lane near Reno, NV	10349920	CH, TE	1980
Dry Creek at Boynton Slough near Reno, NV	10349960	CH, TE	1980
Pioneer Ditch at University Farms near Reno, NV	10349975	CH, TE	1980
FWM 31: Pioneer Ditch at Jones Ranch near Sparks, NV	10349979	CH, TE	1980
Steamboat Creek at Cleanwater Way near Reno, NV	10349980	CH, TE	1978-80, 1992
Pioneer Ditch Return No. 2 below Kimlick Lane near Reno, NV	10349986	CH	1980
Reno-Sparks STP Outfall near Reno, NV	10349989	CH, TE	1979-80
Reno-Sparks STP Outfall at Reno, NV	10349995	CH, TE	1994-1998
Truckee River at Vista, NV	10350000	CH, TE, SE, BI	1969, 1977-80, 1982-84, 1992-94
Truckee River at Rest Area near Vista, NV	10350010	CH, TE	1992
Truckee River at Lockwood, NV	10350050	CH, TE, SE, BI	1974-81, 1984, 1992, 1994-95
Diversion to Grass Field at Lockwood, NV	10350145	CH	1980
Return from Grass Field at Lockwood, NV	10350146	CH	1980
Truckee River at Mustang Bridge No. 1 near Hafed, NV	10350153	CH, TE	1984, 1991

DISCONTINUED SURFACE WATER-QUALITY STATIONS--Continued

Station name	Station number	Type of data	Period of record (water years)
Truckee River at Patrick, NV	10350200	CH, TE, BI	1979-80, 1984, 1992
Diversion to Grass Pasture below Patrick, NV	10350325	CH	1980
Return from Grass Pasture below Patrick, NV	10350326	CH	1980
Truckee River below Tracy, NV	10350400	CH, TE, BI	1979-80, 1982-84, 1992
Truckee River at Derby Dam, NV	10351000	CH, TE, BI	1979-80
Truckee Canal at US 95 alternate near Fernley, NV	10351320	CH, TE, BI	1979-80, 1988-89
Fernley Check Dam near Fernley, NV	10351322	CH, SE	1980
Fernley Drain at US 95-alternate near Fernley, NV	10351335	CH, TE	1988-89
“A” Drain at US 50-alternate near Fernley, NV	10351345	CH, TE	1988-89
Streiff Drain at US 50-alternate near Fernley, NV	10351353	CH, TE	1988-89
'A' Drain at Powerline Crossing near Fernley, NV	10351356	CH, TE, SE	1988-90
Truckee Canal at Allendale Check Dam near Hazen, NV	10351367	CH, TE, BI	1980
Truckee Canal near Hazen, NV	10351400	CH, TE, SE, BI	1979
Truckee Canal at US 50 above Lahontan Reservoir, NV	10351590	CH, TE, SE, BI	1979-81
Truckee River below Derby Dam near Wadsworth, NV	10351600	CH, TE, SE, BI	1978-80, 1983, 1992-95
Truckee River at Painted Rock Bridge, NV	10351619	CH, TE, BI	1980, 1992
Diversion to Alfalfa Field at Wadsworth, NV	10351643	CH, SE	1980
Return from Alfalfa Field at Wadsworth, NV	10351644	CH, SE	1980
Herman Return near Wadsworth, NV	10351646	CH, TE, BI	1980
Truckee River at Old US 40 Bridge at Wadsworth, NV	10351648	CH, TE, SE, BI	1979-80, 1992
Truckee River below S-S Ranch near Wadsworth, NV	10351684	CH, TE	1980, 1992
Truckee River Intragravel below S-S Ranch near Nixon, NV	10351685	CH, TE	1980
Truckee River at Dead Ox Wash near Nixon, NV	10351690	CH, TE, SE, BI	1979-80, 1991-95
Truckee River Intragravel at Dead Ox near Nixon, NV	10351691	CH, TE	1980
Truckee River near Nixon, NV	10351700	CH, TE, SE, BI	1960-98
Truckee River at Numana Dam near Nixon, NV	10351725	CH, SE	1980
Truckee River at Highway 447 at Nixon, NV	10351750	CH, TE, SE, BI	1964, 1968, 1978-80, 1988, 1991-95
Truckee River at Marble Bluff Dam near Nixon, NV	10351775	CH, TE, BI	1979-80, 1992
Truckee River Fishway at Marble Bluff Dam near Nixon, NV	10351778	CH, TE, BI	1979
Truckee River below Marble Bluff Dam near Nixon, NV	10351780	CH, TE, SE	1979
Truckee River Delta at Pyramid Lake, NV	10351793	CH, SE	1980
Truckee River Delta at Pyramid Lake, NV	10351795	SE	1979
McDermitt Creek near McDermitt, NV	10352500	CH, TE, SE, BI	1975-84
East Fork Quinn River near McDermitt, NV	10353000	CH, TE	1977-81
Quinn River near McDermitt, NV	10353500	CH, TE, SE, BI	1977-86
Kings River near Orovada, NV	10353600	CH, TE	1977-84
Quinn River near Denio, NV	10353650	CH, TE	1978
Leonard Creek near Denio, NV	10353700	CH, TE	1977-83, 1987-88
Mahogany Creek near Summit Lake, NV	10353750	CH, TE	1987-88, 1990
Smoke Creek at BM 4044 near Gerlach, NV	10353799	CH, TE	1990
Cottonwood Creek near Flanigan, NV	10353970	CH, TE	1988
Willow Spring Creek near Flanigan, NV	10353975	CH, TE	1988
Mullen Creek near Flanigan, NV	10353978	CH, TE	1988
Bruneau River at Rowland, NV	13161500	TE, SE	1977-84, 1988-2000
Jarbidge River below Jarbidge, NV	13162225	TE, SE	1988-2000
Owyhee River near Gold Creek, NV	13174500	CH, TE	1977-84
Owyhee River at Mountain City, NV	13175000	CH, TE	1985
Owyhee River above China Diversion Dam near Owyhee, NV	13176000	CH, TE	1977-85
South Fork Owyhee River near Whiterock, NV	13177800	CH, TE	1977-81
Las Vegas Bay Sample Site above Gypsum Wash	360748114520301	CH, TE, SE	1992
Amargosa River near Evelyn, CA	361012116192801	CH	1988
Carpenter Canyon Creek	361440115430901	CH, TE	1987-89
Carson Slough at Stateline Road near Death Valley Junction	361910116224201	CH, TE	1988, 1993
Carson Slough at Spring Meadow Road at Ash Meadows, NV	362453116214501	CH	1988
212 S17 E60 05	362957115172001	CH, SE	1986
212 S16 E59 15	363406115213401	CH, SE	1986
219 S14 E64 12	364357114460501	CH, SE	1986
40-mile Wash at J-12	364551116233700	CH	1984
Busted Butte Wash	364749116235100	CH	1984
40-mile Wash at Road H	364904116234700	CH, TE	1984
40-mile Wash above Drill Hole Wash	364908116234600	CH	1984
Drill Hole Wash at Mouth	364911116235200	CH	1984
222 S12 E69 32	365105114180701	CH, SE	1986
Delirium Canal at Mouth	365513116222901	CH	1993, 1995

DISCONTINUED SURFACE WATER-QUALITY STATIONS--Continued

Station name	Station number	Type of data	Period of record (water years)
Yucca Lake	365600116010000	CH, TE	1978
Pah Canyon above Mouth	365634116221501	CH	1993, 1995
Whiterock Creek	371209116075201	CH	1973
Meadow Valley Wash above Delmues Spring	375140114191801	TE	1985
Kawich Creek near Antler	375731116253800	CH, TE	1985-86
Kawich Creek above Weir	375736116252900	CH, TE	1985-92
Kawich Creek near Big Seep	375736116255201	CH, TE	1985-92
Lost Hammer	375739116253100	CH, TE	1985
MVW above Eagle Canyon River	380140114110901	CH	1985
Stream-Reveille V Ertec	380630116201901	CH	1981
Camp Creek	381437114150801	CH, TE	1985
Wilson Creek	381905114241201	CH, TE	1985
Creek near Upper Pony Spring	381917114383501	CH, TE	1985
B6-VFT-1/Ertec Big Sand	383131116022401	CH, TE	1981
Leviathan Creek 1200 Feet Upstream Site 10308783 above Leviathan Mine	384157119391301	CH, TE	1998
Aspen Creek above Leviathan Mine near Markleeville, CA	384235119385001	CH, TE	1998
Desert Creek at State Highway 22, NV	384250119190000	CH, TE	1973
Aspen Creek above Leviathan Creek near Markleeville, CA	384301119393001	CH, TE	1998
Leviathan Creek above Aspen Creek near Markleeville, CA	384303119393901	CH, TE	1998
Mountaineer Creek above Leviathan Creek near Markleeville, CA	384407119384101	CH, TE	1998
Leviathan Creek above Mountaineer Creek near Markleeville, CA	384407119384201	CH, TE	1998
Bryant Creek above Barney Riley Creek near Markleeville, CA	384505119384001	CH, TE	1998
Fredricksburg Canyon	384941119485101	TE	1981
Little Currant Creek	385004115212901	CH, TE	1983
Swallow Canyon, below	385030114205901	CH	1983
Swallow Canyon, above	385033114205201	CH	1983
Luther Canyon	385133119483001	CH	1981
Upper Angora Lake Sample Point near Angora Peak, CA	385145120040301	CH, TE	1997-98
Fallen Leaf Lake Site 2 at Fallen Leaf, CA	385256120040501	CH, TE	1998
East Stewart Creek at Trail	385318117213300	CH, TE	1984-87
East Stewart Creek above Weir	385323117213701	CH, TE	1986-92
Jobs Canyon	385327119502301	CH	1981
Monument Creek	385503119504501	TE	1981
Culvert-Highway 50 Runoff into Upper Truckee-rb, downstream Highway 50, NV	385521119592201	CH, TE	1995
Mott Canyon	385545119505701	TE	1981
Cascade Lake Sample Site near Center	385618120053101	CH, TE	1997
Culvert-Highway 50 runoff at Edgewood Creek-left bank, upstream, Highway 50, NV	385758119561101	CH, TE, SE	1995-97, 2000
Edgewood Creek Tributary above Edgewood Clubhouse near Stateline, NV	385758119564401	CH, TE, SE	1992, 1994
Edgewood Creek	385803119560901	CH, TE	1987
Minden Sewage Effluent Discharge to East Fork Carson River	385814119475101	CH, TE, BI	1980
Round Hill Sewage Effluent Discharge to East Fork Carson River	385815119475401	BI	1980
Burke Creek	385816119560001	CH, TE	1987
Round Hill Sewage Effluent Discharge to Williams Slough	385824119480301	CH, TE	1980
Kahle Creek	385833119565901	CH, TE	1987
Water Canyon	385902114572401	CH, TE	1983
Genoa Creek at Genoa, NV	390002119505401	CH	1957, 1976
Genoa Canyon	390003119505802	TE	1981
Zephyr Creek	390028119565101	CH, TE	1987
90 N13 E18 03cac 1	390100119564701	CH, TE	1987
Sierra Canyon	390101119505701	CH	1981
Willow Creek	390223114514801	CH, TE	1983-84
Incline Sewage Effluent Discharge to Carson River	390426119460401	CH, TE, BI	1980
Lake Tahoe Sample Point near Chambers Lodge, CA	390427120082201	CH, TE	1998
Lake Tahoe Sample Point at Homewood, CA	390444120090901	CH, TE	1997
Incline Sewage Effluent Discharge near Snyder's Ranch	390523119493101	CH, TE	1980
Lake Tahoe Sample Point - Mid Lake	390618120021101	CH, TE	1997-98
Slaughterhouse Creek	390644119563101	CH, TE	1987
Skunk Creek	390744119563201	CH, TE	1987
Bliss Creek	390835119554801	CH, TE	1987
Carson City STP Discharge	390950119435201	CH, TE	1980
Truckee River at Rampart, near Tahoe City, CA	390954120103700	CH, TE	1991-92
Marlette Lake Sample Site near Center	391033119540301	CH, TE	1997
Carson City Sewage Effluent Discharge to Carson R	391036119422401	CH, TE, BI	1980
Truckee River above Bear Creek, near Alpine Meadows, CA	391108120113900	CH, TE	1991-92
Bear Creek at Mouth, near Alpine Meadows, CA	391125120114900	CH, TE	1991-92
Steptoe Creek	391135114414401	CH, TE	1983
Truckee River at Highway 89 Bridge, near Squaw Valley, CA	391146120115000	CH, TE	1991-92
Truckee River above Squaw Creek, near Squaw Valley, CA	391240120115000	CH, TE	1991-92
Truckee River below Squaw Creek near Squaw Valley, CA	391252120120000	CH, TE	1992
Deer Creek 200 feet above Mouth, near Squaw Valley, CA	391319120115500	CH, TE	1991-92
Silver Creek at Highway 89, near Squaw Valley, CA	391326120120900	CH, TE	1991
Truckee River Tributary 4 Miles Upstream Pole Creek near Squaw Valley, CA	391352120121300	CH, TE	1991
Lake Tahoe Sample Point at Kings Beach, CA	391359120012701	CH, TE	1997
Pole Creek at Mouth, near Squaw Valley, CA	391402120122100	CH, TE	1991-92
Campbell Creek, Smith Creek Valley	391426117394601	CH, TE	1982
Peterson Creek, Smith Creek Valley	391430117313801	CH, TE	1982
Cleve Creek	391446114285801	CH, TE	1983
Unnamed Tributary RB Upstream Deep Creek, near Truckee, CA	391513120123400	CH	1991

DISCONTINUED SURFACE WATER-QUALITY STATIONS--Continued

Station name	Station number	Type of data	Period of record (water years)
Deep Creek above Mouth, near Truckee, CA	391529120123300	CH, TE	1991-92
Truckee River above Rocky Wash, near Truckee, CA	391551120123200	CH, TE	1991
Rocky Wash at Mouth, near Truckee, CA	391557120123200	CH	1991
Cabin Creek at Highway 89, near Truckee, CA	391642120122100	CH, TE	1991-92
Upper Illipah Creek	391654115232401	CH, TE	1983
Carson River at Weeks, NV	391735119150200	CH, TE, SE	1973, 1993-94
Truckee River below Donner Creek near Truckee, CA	391859120115600	CH, TE	1992
Truckee River above Trout Creek, near Truckee, CA	391950120100200	CH, TE	1991-1992
Trout Creek at Mouth, near Truckee, CA	391956120095200	CH, TE	1991
Truckee River at Polaris, near Truckee, CA	392018120080300	CH, TE	1991-92
Carson Lake 1 on Pasture Road near Carson Lake, NV	392106118455601	CH, TE	1995
Lower Illipah Creek	392118115201201	CH, TE	1983
Union Valley Creek at Mouth, near Truckee, CA	392133120064000	CH, TE	1991
Juniper Creek at Mouth, near Hirschdale, CA	392152120041700	CH, TE	1991
Truckee River below Juniper Creek, near Hirschdale, CA	392156120041400	CH, TE	1991-92
DR-SG-NE, Fallon Arsenic	392210118463301	CH, TE	1985
Prosser Creek at Mouth, near Truckee, CA	392213120065800	CH	1991
Truckee River below Prosser Creek, near Truckee, CA	392215120065600	CH, TE	1991-92
Gray Creek at Mouth, near Floriston, CA	392224120014600	CH, TE	1991-92
Truckee River above Bronco Creek, near Floriston, CA	392257120011100	CH, TE	1991-92
Bronco Creek at Mouth, near Floriston, CA	392303120011000	CH, TE	1991-92
Truckee River below Little Truckee River, near Truckee, CA	392304120053400	CH, TE	1991-92
Smith Creek, Smith Creek Valley	392310117390401	CH, TE	1982
L-drain at Pasture Road near Depp Lane near Fallon, NV	392310118432601	CH, TE	1995
Unnamed Drain at Berney and Pasture Roads near Fallon, NV	392410118432801	CH, TE	1995
Steamboat Ditch above Thomas Creek near Reno, NV	392537119474701	CH, TE, SE, BI	1993-95
Upper West Side Drain at Solias Road near Fallon, NV	392552118501101	CH, TE	1995
Lower Diagonal Drain No 1 at US 50 near Fallon, NV	392553118394901	CH, TE	1995
Canyon 24 at Mouth, near Floriston, CA	392555120014800	CH, TE	1991
Mystic Canyon Creek at Mouth, near Floriston, CA	392556120013000	CH, TE	1991
Last Chance Ditch at Thomas Creek Road near Reno, NV	392612119471801	CH, TE, SE, BI	1993-95
Lake Ditch at Holcomb Lane near Reno, NV	392637119465601	CH, TE, SE, BI	1993-95
Puny Dip Canyon at Mouth, near Floriston, CA	392639120002600	CH, TE	1991
Sheckler Drain at St. Clair Road near Fallon, NV	392643118501201	CH, TE	1995
New River Drain at US 50 near Fallon, NV	392646118401601	CH, TE	1995
Truckee River above Fleish Power Diversion, near Verdi, NV	392706120001500	CH, TE	1991
Dry Creek Diversion above Huffaker Lane near Reno, NV	392717119470301	CH, TE, SE, BI	1993-95
Dry Creek below Huffaker Lane near Reno, NV	392720119470101	CH, TE, SE, BI	1993-95
Deep Canyon Creek at Mouth, near Verdi, NV	392724120002300	CH	1991
Steamboat Ditch near Farretto Lane near Reno, NV	392729119485901	CH, TE, SE, BI	1993-95
Last Chance Ditch at Davis Lane near Reno, NV	392737119480801	CH, TE, SE, BI	1993-95
Lake Ditch at Del Monte Lane near Reno, NV	392744119480201	CH, TE, SE, BI	1993-95
New River Drain at Harrigan Road near Fallon, NV	392801118454001	CH, TE	1995
Unnamed Drain at Stuart Road near Harmon Reservoir	392831118385801	CH, TE	1995
Harmon Drain at Ditch House Road near Fallon, NV	392856118363801	CH, TE	1995
Harmon Drain at NV 116 near Fallon, NV	392857118400101	CH, TE	1995
14N43E28ACD	392900117030000	CH, TE	1967
Water from Surface of Carson River	392940118460000	CH	1969
Hunter Creek below Steamboat Ditch near Reno, NV	392942119533700	CH, TE	1992
Truckee River Tributary at Chalk Bluff near Reno, NV	393040119521200	CH, TE	1992
Pioneer Ditch above McCarren Boulevard near Sparks, NV	393055119442800	CH, TE	1992
S2 Canal X Fitz & Swope	393121118342701	CH, TE	1978
S5A Drain at Austin Road near Fallon, NV	393134118371401	CH, TE	1995
T-Line Canal	393143118533301	CH, TE	1984
A Drain above TJ-1 Drain near Stillwater, NV	393201118364901	CH, TE	1995
TJ-1 Drain below A Drain near Stillwater, NV	393202118364701	CH, TE	1995
Swope Drain at Freeman Lane near Stillwater, NV	393256118330201	CH, TE	1995
Paiute Diversion Drain near Fallon Indian Reservation	393331118341801	CH, TE	1995
Kalamazoo Creek	393417114314101	CH, TE	1983
101 N20 E27 19CCBA1	393448119001001	CH, TE	1988-89
Truckee River above Derby Dam near Wadsworth, NV	393520119270700	CH, TE	1992
Inflow to White Lake from Peavine Peak Area	393852119581501	CH, TE	1982
179 N23 E62 13b 1 Egan Creek	395152114552601	CH, TE	1983-84
Minden-Gardnerville STP Discharge	395756119464401	CH, TE	1980
Goshute Creek	400054114480001	CH, TE	1983
Snow Creek	400243114580301	CH, TE	1983
Clear Creek at Diversion Dam South of Winnemucca, NV	404355117392101	CH, TE	1979
Creek at Wheeler Ranch	410651119080001	CH, TE	1980
Louise Creek	411308118293501	CH, TE	1990
Big Creek	411559118215201	CH, TE	1990
Bottle Creek	411919118195701	CH, TE	1990

WATER RESOURCES DATA - NEVADA, 2004

DISCONTINUED SURFACE-WATER QUALITY CONTINUOUS RECORD STATIONS

The following stations were discontinued as continuous-record surface-water-quality stations in Nevada. Daily records of temperature, specific conductance, pH, or dissolved oxygen were collected and published for the period of record shown for each station. Abbreviations: DO, dissolved oxygen; SC, specific conductance; WT, water temperature.

Station name	Station number	Drainage area (mi^2)	Type of record	Period of record (water years)
Virgin River at Littlefield, AZ	09415000	5,090	WT, SC	1950-60, 1965-88
Virgin River above Halfway Wash near Riverside, NV	09415230	5,980	WT, SC	1978-82
Las Vegas Wasteway near East Las Vegas, NV	09419679	--	WT, SC	1980-87, 1979-87
Pahranagat Valley Wash near Moapa, NV	09415850	252	WT,SC	1988-93
Muddy River near Moapa, NV	09416000		WT, SC	1988-93
Meadow Valley Wash near Rox, NV	09418700	2,384	WT, SC	1988-93
Las Vegas Wash above detention basin near North Las Vegas, NV	09419648	--	WT, SC	1989-93
Las Vegas Wash near Henderson, NV	09419700	2,125	WT, SC	1986-87
Las Vegas Wash at powerline crossing below Henderson, NV	09419755	--	WT, SC	1986-87
Las Vegas Wash near Boulder City, NV	09419800	2,193	WT	1979-86
			SC	1976-77, 1979-86
Colorado River below Hoover Dam, AZ-NV	09421500	171,700	WT, SC	1978-87
Steptoe Creek near Ely, NV	10244950	11.1	WT	1967-83
South Twin River near Round Mountain, NV	10249300	20.0	WT	1966-68, 1970-83
Chiatovich Creek near Dyer, NV	10249900	37.3	WT	1975-82
Leviathan Creek above mine near Markleeville, CA	10308783	--	WT, SC	1981-82
Leviathan Mine tunnel spring near Markleeville, CA	10308784	--	WT, SC	1981-82
Leviathan Mine pit flow near Markleeville, CA	10308785	--	WT, SC	1982
Leviathan Mine waste flow near Markleeville, CA	10308786	--	WT, SC	1981
Leviathan Mine seep below crusher near Markleeville, CA	10308787	--	WT, SC	1982
Leviathan Creek below delta near Markleeville, CA	10308788	--	WT, SC	1982
Leviathan Creek below mine near Markleeville, CA	10308790	--	WT, SC	1981-82
Bryant Creek below Mountaineer Creek near Markleeville, CA	10308794	--	WT, SC	1982
Bryant Creek near Gardnerville, NV	10308800	31.5	WT, SC	1982-83
East Fork Carson River near Gardnerville, NV	10309000	356	WT, SC	1955-66, 1967-72, 1993-96
Carson River near Fort Churchill, NV	10312000	1,302	WT, SC	1962-70, 1972-82, 1994-97
Carson River near Silver Springs, NV	10312020	1,450	WT, SC	1963-71
Carson River below Lahontan Reservoir near Fallon, NV	10312150	1,801	WT	1981-83
Carson Lake Drain above Carson Lake near Fallon, NV	10312180	--	WT, SC	1994-97
Rice Ditch at Gage near Fallon, NV	10312185	--	WT, SC	1994-97
Stillwater Point Diversion Drain near Stillwater, NV	10312215	--	WT, SC, pH, DO	1988-90
Stillwater Slough at Stillwater, NV	10312218	--	WT, SC	1994-97
Paiute Drain above D-line Canal near Stillwater, NV	10312250	--	WT, SC	1988-90
			pH, DO	1988-89
D-line Canal below East Lake near Stillwater, NV	10312267	--	WT, SC, pH, DO	1989
TJ Drain at wildlife entrance near Stillwater, NV	10312274	--	WT, SC, pH, DO	1988-90
Humboldt River near Carlin, NV	10321000	4,310	WT	1966-68, 1981-83
Humboldt River at Palisade, NV	10322500	5,010	WT	1962-65
Reese River near Ione, NV	10325500	53	WT	1962
Humboldt River near Imlay, NV	10333000	15,504	WT, SC	1998-2000
Humboldt River near Rye Patch, NV	10335000	16,100	WT, SC	1952-58, 1960-81
Humboldt River near Lovelock, NV	10336000	16,600	WT, SC	1998-2000
Toulon Drain at Derby Field Road near Toulon, NV	10336035	--	WT, SC	1998-2000
Army Drain above Iron Bridge near Lovelock, NV	10336039	--	WT, SC	1999-2000
Upper Truckee River at South Upper Truckee River Road near Meyers, CA	10336580	14.09	WT	1997-2003
Grass Lake Creek near Meyers, CA	10336593	6.4	WT	1997-2001
Upper truckee River at Highway 50 above Meyers, CA	103366092	34.28	WT	1997-2003
Upper Truckee River at South Lake Tahoe, CA	10336610	54.9	WT	1997-2003
Upper Truckee River at Mouth near Venice Drive, CA	10336612	56.5	WT	1997-2001
Third Creek near Crystal Bay, NV	10336698	6.05	WT	1980-85
			SC	1981-1983
Incline Creek near Crystal Bay, NV	10336700	6.69	WT	1998-2001
Glenbrook Creek at Glenbrook, NV	10336730	4.11	WT	1998-2001
Trout Creek at US Forest Service Road 12N01 near Meyers, CA	10336770	7.4	WT	1997-2003
Trout Creel at Pioneer Trail near South LAke Tahoe, CA	10336775	23.7	WT	1997-2003
Cold Creek at Mouth, CA	10336779		WT	1997-2003
Trout Creek near Tahoe Valley, CA	10336780	36.7	WT	1997-2003
Trout Creek at South Lake Tahoe, CA	10336790	40.4	WT	1997-2003
Trout Creek near Mouth East near Bellevue/ElDorado Avenue, CA	10336795	41	WT	1997-2001
Truckee River at Tahoe City, CA	10337500	507	WT	1993-94
Truckee River near Truckee, CA	10338000	553	WT	1977-82, 1993-94
Donner Creek at Highway 89 near Truckee, CA	10338700	29.1	WT	1993-1994

DISCONTINUED SURFACE-WATER QUALITY CONTINUOUS RECORD STATIONS--Continued

Station name	Station number	Drainage area (mi^2)	Type of record	Period of record (water years)
Martis Creek at Highway 267 near Truckee, CA	10339250	25.8	WT	1975-88
Martis Creek near Truckee, CA	10339400	39.9	WT	1975-2000
Little Truckee River below Diversion Dam near Sierraville, CA	10341950	36.1	WT	1994
Little Truckee River at Highway 89 near Truckee, CA	10343200	59.0	WT	1994
Bronco Creek at Floriston, CA	10345700	15.4	WT	1993-94
Truckee River at Floriston, CA	10345900	932	WT, SC	1964-71
Truckee River at Farad, CA	10346000	932	WT	1972-81
			SC	1972-80
Dog Creek at Verdi, NV	10347310	--	WT	1993-94
Truckee River near Verdi, NV	10347336	--	WT	1980

INTRODUCTION

Water-resources data published herein for the 2004 water year comprise the following records:

Water discharge for 182 gaging stations on streams, canals, and drains.

Discharge data for 95 partial record stations and miscellaneous sites, and 16 springs.

Stage and contents for 21 ponds, lakes and reservoirs.

Water levels for 19 continuous observation wells, and 889 periodic observation wells.

Water-quality data for 114 stream, canal, spring and drain sites and 138 wells.

Precipitation totals for 39 stations.

Water withdrawals for 11 wells.

Additional water data, collected at various sites that are not part of the systematic data-collection program, are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Nevada.

Records of stream discharge and content or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled "Surface Water Supply of the United States." Through water year 1960, these water-supply papers were in an annual series; for 1961-70, they were in a 5-year series. Records of water quality were published from 1941 to 1970 in an annual series of water-supply papers entitled "Quality of Surface Waters of the United States." Records of ground-water levels were published through 1974 in a series of water-supply papers entitled "Ground-Water Levels in the United States." Water-Supply Papers may be consulted at the libraries of principal cities in the United States, or, if not out of print, they may be purchased from the U.S. Geological Survey, Information Services, Federal Center, Box 25286, Denver, CO 80225-0046.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a state-by-state basis. Water-quality records for water years 1964 through 1974 were similarly released, either in separate reports or in conjunction with the streamflow records.

Beginning with the 1975 water year, surface-water, ground-water, and water-quality data have been published annually as official Geological Survey reports on a state basis. These reports carry an identification number consisting of the two-letter state abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water Data Report NV-01-1." For archiving and general distribution, the reports for water years 1971-74 are identified also as official water-data reports. The water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161. For further ordering information, the Customer Inquiries telephone number is (703) 487-4650, between 8:30 am and 5:30 pm EST.

The computer age has led to the dissemination of information quickly and easily through the Internet, the worldwide computer network. Hydrologic information from the USGS is available on the World Wide Web (WWW). Included are water-related activities, information contacts, publications, and various other items that may be of interest to the general public, local State and other Federal agencies, and universities.

The USGS Nevada Water Science Center has a web page for disseminating such information. The page can be accessed using the WWW address: http://nevada.usgs.gov/

COOPERATION

The U.S. Geological Survey and organizations of the State of Nevada have had cooperative agreements for the systematic collection of streamflow records since 1909, and for water-quality records since 1951. Organizations that assisted in collecting data or funding through cooperative agreement with the Survey during 2004 are:

NEVADA STATE AGENCIES

Bureau of Mines and Geology
CA Department of Water Resources
Dayton Valley Conservation District
Department of Conservation and Natural Resources
Department of Transportation
Division of Environmental Protection
Division of Water Resources
UNR Agricultural Station

INDIAN TRIBES

Pyramid Lake Paiute Tribe
Duck Valley Reservation Shoshone-Paiute Tribes
Fallon Paiute-Shoshone Tribe
Summit Lake Paiute Tribe
Timbisha Shoshone Tribe
Walker River Paiute Tribe

OTHER FEDERAL AGENCIES

Department of Energy
Bureau of Reclamation
Bureau of Land Management
Bureau of Indian Affairs
Corps of Engineers
Environmental Protection Agency
Fallon Naval Air Station
Federal Emergency Management Agency
Fish & Wildlife Service
Forest Service
National Park Service
Nuclear Regulatory Commission
U.S. Board of Water Commissioners
U.S. District Court Watermaster
U.S. Air Force

REGIONAL AGENCIES, CITIES, COUNTIES

Tahoe Regional Planning Agency
Carson City
Carson Water Subconservancy District
Carson-Truckee Water Conservancy District
Clark County Flood Control Authority
Clark County Sanitation District
City of Henderson
Churchill County
Desert Research Institute
El Dorado County (CA)
Elko County
Las Vegas Valley Water District
Lahontan Water-Quality Control Board
Pershing County Water Conservation District
Southern Nevada Water Authority
Storey County
Truckee Carson Irrigation District
Truckee Meadows Water Authority
Truckee Meadows Water Reclamation Facility
Walker River Irrigation District
Washoe County

Organizations that supplied data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Compiled by Robert E. Bostic, E. James Crompton, Kerry T. Garcia, and Sonya L. Vasquez

Surface Water

Nevada has no truly large rivers. The largest streams in the State are the Humbled, Truckee, Carson, Walker, Muddy, Virgin, and Colorado Rivers. The Colorado River, which is by far the largest, forms the boundary between southeastern Nevada and northwestern Arizona. Of the remaining listed rivers, only the Humboldt and Muddy begin and terminate in Nevada.

The larger rivers typically follow the flow pattern of a gaining stream in the well-watered mountain reaches and a losing stream in the lower-altitude reaches. Most of Nevada is typified by basin-and-range topography, and most Nevada rivers have no direct connection with the ocean. Downstream depletion of flow is caused by irrigation, public use, infiltration, and evapotranspiration. Characteristically, stream discharge is low in late summer, and then increases through the autumn and winter until the snowmelt season in the spring. Maximum discharge for the year normally can be expected in May and June, although floods have occurred from November through March as a result of rain or rain on snow.

Much of Nevada is drained by small streams that are dry most of the year. Typically, such streams respond only to intense precipitation, which generally occurs only a few times a year at the most. In many years, the streams have no flow, and even in relatively wet years, total flow duration in such streams can be measured in hours.

Streams and rivers in Nevada drainages for water year 2004, were generally below normal runoff and ranged from around 40 percent to about 65 percent depending on the particular area, elevation of the drainage and water usage in the system. Runoff this year on streams with little or no control was earlier than the typical seasonal runoff, with the peaks generally occurring in mid March.

The Humboldt River begins in northeastern Nevada and terminates in northwestern Nevada. For water year 2004, the discharge at Palisade (station 10322500) was 51 percent of the 97-year mean. Monthly and annual mean discharges for water year 2004 and for the period of record (water years 1903-06, 1912-2004) at the Palisade station are shown in figure 1. Rye Patch Reservoir (station 10334500), the last impoundment on the Humboldt River, at its highest level was 16 percent of full capacity in April, to a low of 4 percent the end of September.

The Truckee River is a major western Nevada stream for which discharge is largely controlled by reservoirs and regulated lakes in the Sierra Nevada of California and Nevada. The Truckee River begins at Lake Tahoe (station 10337000) which is regulated above its natural rim (6,223 feet above NGVD of 1929). Lake Tahoe during water year 2004, dropped below its rim September 17, with the water surface ranging between 6,224.30 early June, to 6,222.84 feet, September 30. The 2004 discharge at Reno (station 10348000) was 60 percent of the 77-year mean (water years 1907-21, 1926, 1931-34, 1947-2004). The river terminates in Pyramid Lake (station 10336500), a closed-basin water body which is a saline remnant of Pleistocene Lake Lahontan. Water-surface elevations, in figure 2, illustrate a decline from 1975 through 1981, an increase during 1982-84, which raised the lake level by 25 feet, a steady decline from 1986 through 1994 with slight increases from 1995-1999. Since 1999 the lake has continued to decline. The lake-surface elevation declined 3.0 feet from 3,809.4 in September 2003 to 3,806.4 feet above NGVD of 1929 the end of September 2004.

The Carson River is formed in Carson Valley by the confluence of the East Fork and West Fork Carson Rivers, with headwaters in the Sierra Nevada of California. The 2004 discharge at Carson City (station 10311000) was 51 percent of the 65-year mean. Monthly and annual mean discharges for water year 2004 and for the period of record (water years 1940-2004) at the Carson City station are shown in figure 1. Lahontan Reservoir (station 10312100), the major impoundment on the Carson River, at its highest level was 79 percent of full capacity early June, and a low of 26 percent November 11.

The Walker River is formed in Mason Valley by the confluence of the East and West Walker Rivers; both rivers originate in the Sierra Nevada of California. The East Walker River discharge is controlled by Bridgeport Reservoir and the West Walker River by Topaz Lake. The 2004 discharge of the Walker River at Wabuska (station 10301500) was 28 percent of the 79-year mean (water years 1904, 1921-35, 1940-41, 1943, 1945-2004). The river terminates in Walker Lake (station 10288500) north of Hawthorne, which is also a saline remnant of ancient Lake Lahontan similar to Pyramid Lake. Water-surface elevations for the lake are shown in figure 2 and illustrate a steady decline from 1969 through 1981 like that of Pyramid Lake. In contrast, the high discharges in the Walker River from 1982 through 1984 raised the lake level by about 14 feet. Lake levels have steadily declined since 1986 until May 1995, and increased slightly through 1999. Since 1999 the lake has continued to decline. The lake-surface elevation decreased 4.0 feet during the 2004 water year, from 3,939.2 the end of September 2003 to 3,935.2 feet above NGVD of 1929 the end of September 2004.

The Colorado River in southeastern Nevada is completely controlled by a series of impoundments that includes Hoover Dam (station 09421000) and Davis Dam (station 09422500) in Nevada. Since 1935, the mean annual discharge of the river below Hoover Dam (station 09421500) is 13,950 cubic feet per second. Mean annual discharge fluctuates on the basis of upstream supply and downstream hydroelectric-power and irrigation requirements. The 2004 mean annual discharge of the Colorado River below Hoover Dam was 95 percent of the 70-year mean (water years 1935-2004).

The Virgin River is one of the major tributaries to Lake Mead on the Colorado River and has most of its drainage area in Utah and Arizona. The discharge at Littlefield, Arizona (station 09415000), was 48 percent of the 75-year mean (water years 1930-2004).

The Muddy River is another tributary to Lake Mead. The discharge at Glendale (station 09419000) was 76 percent of the 53-year mean (water years 1951-1983, 1985-2004).

Lake Mead, since it's most recent high elevation in December 1997 of 1214.64 feet, has now dropped 88.78 feet at the end of September, to an elevation of 1125.86 feet.

Water Quality

The quality of surface water in Nevada varies greatly from place to place, as well as seasonally. Concentrations of dissolved solids generally are higher in the southern part of the state than in the northern part, and are dependent to a large extent upon water discharge. Concentrations usually are greatest during periods of low streamflow, and lowest during periods of high streamflow due to dilution by precipitation or snowmelt.

At two southern Nevada stations, Virgin River at Littlefield (station 09415000) and Colorado River below Hoover Dam (station 09421500), mean dissolved-solids concentrations for period of record were 1,990 mg/L and 691 mg/L, respectively. Mean dissolved-solids concentrations in the 2004 water year were 2,310 mg/L and 656 mg/L, respectively. Mean dissolved-solids concentrations in the 2004 water year were 116 and 95percent, respectively, of the means for the period of record. For the Virgin River at Littlefield station, the mean discharge for the 2004 water year was 113 ft^3/s and 236 ft^3/s for the period of record. For the Colorado River below Hoover Dam station, the mean discharge for the 2004 water year was 13,270 ft^3/s and 13,950 ft^3/s for the period of record. Figure 3 shows the dissolved-solids concentrations measured at the Colorado River station since the 1971 water year. The downward trend in concentration during 1983-85 and again in 1997-2000 probably was the result of dilution by consecutive years of greater than average inflow to Lake Mead. During 1988-96 and 2001-2004, in contrast, the concentration increased, presumably because the amount of runoff from the upper basin was less than the long-term mean.

The quality of ground water in Nevada also varies greatly because of the various soil and rock types found in the state. Concentrations of dissolved solids generally are higher in the southern part of the state (latitude less than or equal to 38◦00'00") than in the northern part (latitude greater than 38◦00'00"), similarly to what occurs in surface water. Concentrations in the southern part of the state ranged from 5 to 102,000 mg/L with an average of 1,800 mg/L and a median of 596 mg/L. Concentrations in the northern part of the state ranged from 10 to 94,700 mg/L with an average of 1,310 mg/L and a median of 266 mg/L.

Ground water samples were collected from 80 wells in water year 2004. The constituents analyzed were nutrients, common ions, trace constituents, and organic substances. EPA's drinking water standards for nitrate (10 mg/L), fluoride (4.0 mg/L), and arsenic (0.01 mg/L in 2004 water year) were exceeded in 2 wells, 16 wells, and 3 wells, respectively.

Ground Water

Development of ground-water supplies in Nevada continued during water year 2004 with 2,920 Well Driller's Reports (well logs) submitted to the State Engineer's office. During 2004, 2,112 new wells were drilled and 808 existing wells were reworked or abandoned. The number of new wells drilled during water years 1971-2004 are shown on figure 4. New wells are grouped into 4 categories of proposed water use; domestic, irrigation, public supply and industrial, and other (which includes all other proposed uses). Half of the new wells were drilled for domestic use (figure 5). Most of the new wells represented in the other category were wells used for monitoring. The other category also includes wells drilled for artificial recharge, dewatering, livestock, and mining (figure 5).

Well drilling was concentrated in the northwestern and southern parts of the State. Drilling in extreme northern Nevada was mainly for domestic use near the communities of Elko and Winnemucca and mainly mining and monitoring use in areas between Elko and Winnemucca. Drilling in northwestern Nevada was concentrated in and around the Reno-Lake Tahoe areas; particularly near the communities of Minden-Gardnerville, Fallon, Fernley, and Reno. Drilling in southern Nevada was concentrated in and around the Las Vegas area and near the community of Pahrump. While monitor drilling was predominant in Las Vegas, domestic drilling was predominant in the outlying communities.

Nevada is almost entirely within the Great Basin Region of the Basin and Range physiographic province. The region is characterized by mountain ranges with a general north-south orientation separated by basins (valleys) that are filled by accumulations of unconsolidated to partly consolidated sedimentary deposits and underlain by consolidated rocks that also form the surrounding ranges (Stewart, 1980). Most wells have been drilled into unconsolidated basin-fill deposits. Some consolidated rocks yield substantial quantities of water, particularly in parts of eastern and southern Nevada where ground water flows through thick accumulations of limestone and dolomite. Locally, some fractured volcanic rocks also yield substantial quantities of water. Water wells, however, are not commonly drilled into consolidated rocks, because the well yields are less predictable and most present-day development is in basins where water is readily obtained from shallow depths in unconsolidated deposits.

The depths of the wells drilled in 2004 are shown in figure 6. Domestic wells were most commonly drilled to depths between 125 and 250 feet below land surface. Wells drilled for irrigation use were most commonly drilled to depths between 250 and 625 feet. Public supply and industrial wells were most commonly drilled to depths between 375 to 500 feet and greater than 1,000 ft. Wells in the other category, primarily test holes, were most commonly drilled to depths between 0 and 125 feet.

Ground-water levels fluctuate seasonally and annually in response to changes in withdrawals and climatic conditions. These fluctuations can cause changes in natural recharge to and discharge from the ground-water reservoirs. Water levels generally rise from late winter to early summer, in response to (1) runoff from melting snow in the surrounding mountain ranges, particularly in the northern part of the State and (2) application of surface water for irrigation. Water levels generally decline from summer to early winter, when recharge is small and ground water is discharged by evapotranspiration, irrigation, and domestic use. Long-term climatic changes also can affect water-level trends, but the effects occur over a period of years. Superimposed on the natural fluctuations in water levels are changes caused by increasing or decreasing ground-water withdrawals.

Water-level trends for six selected observation wells are shown in figure 7. The well in Paradise Valley is close to a stream used for irrigation. The well in Eagle Valley taps aquifers used for public supply. The well in Pahrump Valley is in a basin undergoing transition from irrigation to domestic use. The well in Diamond Valley is in an area of intensive irrigation. The well in Steptoe Valley is in a relatively undeveloped basin. The well in Las Vegas Valley taps aquifers used for public supply.

The well in Paradise Valley is in the northwestern part of the basin. Water levels may fluctuate primarily in response to variations in nearby surface-water streamflow. The well probably does not reflect responses to ground-water withdrawals for agricultural irrigation in the central to southern parts of the basin.

The well in Eagle Valley is in the northern part of the basin north of Carson City. Water levels in the new Eagle Valley well may reflect responses to ground-water withdrawals for municipal use.

The well in Pahrump Valley is in the west-central part of the basin. Ground-water use has changed from historically agricultural to residential because Pahrump has become a bedroom community for Las Vegas. Water levels may reflect this transition.

The well in Diamond Valley is in the southern part of the basin in a farming area. Water levels may reflect responses to ground-water withdrawals for agricultural irrigation.

The well in Steptoe Valley is in the central part of the basin. Water levels may respond primarily to fluctuations in climatic conditions.

The well in Las Vegas Valley is in the northwestern part of the basin northwest of Las Vegas. Las Vegas has undergone a tremendous population increase and surface-water imports from Lake Mead have exceeded ground-water withdrawals since 1975. Water levels may reflect responses to ground-water withdrawals for municipal and commercial use.

Water Use

Statewide, Nevada's annual precipitation averages about 9 inches--the lowest of any State in the Nation. Spatially, average precipitation ranges from 4 inches in some low-altitude valleys to about 16 inches in higher areas; in the higher mountains, precipitation exceeds 30 inches.

Water year 2004 (October 1, 2003-September 30, 2004) was a below normal year for precipitation for northern Nevada and near or above normal in southern Nevada. Precipitation at six selected sites in Nevada during water year 2004, as reported by the National Weather Service, ranged from 57 percent to 108 percent of the average value. The following table summarizes the data.

Precipitation

Weather station	Water year 2004 (inches)	Average, water years 1970-2000	Water year 2004	
			Departure from average (inches)	Percent of average
Elko	10.15	9.78	0.37	104
Ely	5.81	9.98	-4.17	58
Las Vegas	4.93	4.56	0.37	108
Reno	5.96	7.52	-1.56	79
Tonopah	3.24	5.71	-2.47	57
Winnemucca	5.56	8.38	-2.82	66

In a normal year, surface water is the source for about 60 percent of Nevada's water withdrawals. Some surface water right holders also have supplemental ground water rights, which can be used when surface water is not available for their use.

Public supply is a rapidly growing use of water in the State and currently ranks second behind irrigation. The rate of increase in public-supply withdrawals nearly parallels the rapid growth in the State's population. Since 1986, Nevada has been the nation's fastest growing state (U.S. Bureau of the Census, 2004a). In July 2004, Nevada's population was estimated to be 2,410,768 people (Nevada State Demographer, 2005). From April 1, 2000 to July 1, 2004, Nevada's population increased 20.6 percent (Nevada State Demographer, 2005). For U.S. cities with over 100,000 people, North Las Vegas and Henderson were the second and third fastest-growing cites from 2000 to 2003 growing 25.1 and 22.5 percent, respectively (U.S. Bureau of the Census, 2004b).

In 2004, about 88 percent of Nevadans lived in urban areas having populations of 2,500 people or more (Nevada State Demographer, 2005). The three largest population centers in the State are the Las Vegas, Reno, and Carson City areas which makeup about 82 percent of the State's population (Nevada State Demographer, 2005). The primary source of public-supply water for Las Vegas and Reno is surface water; for Carson City, it is ground water. In 2004, these three areas continue to account for about 80 percent of all the water withdrawn (acre-feet per month) by public-supply utilities in the State. In 1974, the Las Vegas area (which encompasses the cities of Las Vegas, North Las Vegas, Henderson, and Nellis Air Force Base) surface- and ground-water withdrawals were about equal. By 2004, Lake Mead (Colorado River) was the source for nearly 90 percent of the area's public-supply withdrawals (Southern Nevada Water Authority, 2005a). The Las Vegas area is dependent on the Colorado River to meet its public-supply water needs. About 59 percent of the water used in Las Vegas is for residential use, 14 percent for commercial/industrial, golf courses about 8 percent, and about 7 percent is used by resorts (Southern Nevada Water Authority, 2005b). Of the total residential use, about 70 percent is used for outdoor landscaping (Southern Nevada Water Authority, 2005c).

Since January 2000, the water level of Lake Mead has dropped over 80 feet (Southern Nevada Water Authority, 2005e) and because of this drop, the Las Vegas area went from a drought watch to a drought alert in 2004, which caused additional water use restrictions to go into effect (Southern Nevada Water Authority, 2005e). The water-use restrictions taken in the Las Vegas area were: No outside watering permitted from 11 a.m. to 7 p.m., limits on the amount of turf, and rebates given for reducing the amount of turf (Las Vegas Valley Water District, 2005). Clark County now requires all new golf courses and nearby landscape areas to utilize reclaimed wastewater. Some communities in the area prohibit man-made lakes and have placed

restrictions on the size of outside decorative water displays at resort hotels. Restrictions have been placed on the percentage of turf that can be used at commercial, industrial, and multifamily developments.

Another measure instituted by Southern Nevada Water Authority is a program called Water Smart Landscapes where the homeowner is paid $1 for every square foot of lawn they convert to xeriscape (Southern Nevada Water Authority, 2005d) From January 2003 through March 2004, 3.4 million square feet of sod had been removed and converted to xeriscape under this program (Las Vegas Sun, 2005a). Because of the compliance with drought restrictions, the Las Vegas area is continuing a 2-year trend of declining water use. Water use declined more than 15 billion gallons from 2002 to 2003, despite the fact that there were more than 60,000 new residents in 2003 (Southern Nevada Water Authority, 2005e).

Two additional means to acquire or reuse water in the Las Vegas area has been to look at modifying the amount of water Nevada can use from the Colorado River system and artificial recharge. Secretary of the Interior Gale Norton signed the Quantification Settlement Agreement at Hoover Dam October 16, 2003. The agreement provides Nevada with an opportunity over the next 15 years to access additional water from the Colorado River if water levels allow for surplus use. This agreement may provide additional water that may be available in coming years while southern Nevada develops other water resources (Southern Nevada Water Authority, 2004f). Artificial recharge is another method the Las Vegas area is using to help provide water to the Las Vegas area during peak demand. From 1987 through 2004, about 289,000 acre-feet of treated Colorado River water has been injected into the Las Vegas Valley groundwater basin (Southern Nevada Water Authority, 2005f). This artificial recharge could also help stabilize declining ground-water levels.

The Nevada Test Site (NTS) is 60 miles northwest of Las Vegas. From 1950 until the ban on nuclear weapons testing in 1992, the NTS was the primary continental site for the testing of nuclear weapons. Ground water is the source of all water used at the NTS. With the ceasing of weapons testing and the related decline in personnel, water withdrawals have declined nearly 80 percent since 1989 (figure 8). Monthly pumpage from the 14 production wells on the NTS in 2004 is shown in figure 9.

In the Reno area (which encompasses the cities of Reno and Sparks), the Truckee River supplies most of the community's public-supply water. During years of high or surplus flows in Truckee River, the principal water purveyor follows a conjunctive use agreement to reduce its groundwater withdrawals, thus allowing groundwater storage to increase. About 68 percent of the water used in the Reno area is for residential use, 22 percent for commercial, and about 7 percent for irrigation (Truckee Meadows Water Authority, 2005a). Conservation measures enforced in the Reno area limit outside watering to twice a week with no watering between 1 and 5 p.m.; washing down hard surfaces is prohibited; and decorative water displays are turned off (Truckee Meadows Water Authority, 2005b).

In the Carson City area, ground water supplies most of the community's public-supply water. However, the amount of water that Carson City gets from surface water sources is increasing. City ordinance limits outside watering to every other day from June through September, with no watering between 10 a.m. and 7 p.m. This is done to help reduce peak demand and not to limit water use. Wasting water and washing driveways is also prohibited. Despite these measures, levels in water tanks in some areas of the city dipped below 20 percent of capacity and in two areas were below 10 percent on June 28 (Nevada Appeal, 2004a). To boost water levels city officials enacted emergency water restrictions prohibiting outdoor watering from June 28 through June 20 (Nevada Appeal, 2004b).

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DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, hydrologic-station records in USGS reports have been listed in order of downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary entering between two main-stream stations is listed between those stations. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is located with respect to the stream to which it is immediately tributary is indicated by an indention in that list of stations in the front of this report. Each indentation represents one rank. This downstream order and system of indentation indicates which stations are on tributaries between any two stations and the rank of the tributary on which each station is located.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These station numbers are in the same downstream order used in this report. In assigning a station number, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list composed of both types of stations. Gaps are consecutive. The complete 8-digit (or 10-digit) number for each station such as 09004100, which appears just to the left of the station name, includes a 2-digit part number "09" plus the 6-digit (or 8-digit) downstream order number "004100." In areas of high station density, an additional two digits may be added to the station identification number to yield a 10-digit number. The stations are numbered in downstream order as described above between stations of consecutive 8-digit numbers.

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The USGS well and miscellaneous site-numbering system is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, and the next 7 digits denote degrees, minutes, and seconds of longitude; the last 2 digits are a sequential number for wells within a 1-second grid. In the event that the latitude-longitude coordinates for a well and miscellaneous site are the same, a sequential number such as "01," "02," and so forth, would be assigned as one would for wells. The 8-digit, downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

Local site numbers used in Nevada locate ground-water data sites (wells or springs) by hydrographic areas and by the official rectangular subdivision of the public lands with reference to the Mt. Diablo base line and meridian. Nevada has been divided into 14 hydrographic regions or major basins and 256 individual hydrographic areas or valleys. The classification is used to compile information pertaining to water resources in Nevada. The local site number uses as many as 19 digits to locate the site by hydrographic area, township, range, section, and section subdivision.

The first segment of the local site number specifies the hydrographic area as defined by Rush (1968). The remainder of the number specifies the township north or south of the Mt. Diablo base line, the range east of the Mt. Diablo meridian, the section, and the subdivision of the section. Sections are divided into quadrants labeled counterclockwise from upper right as A, B, C, and D. Each quadrant is then similarly subdivided up to as many as three times, depending on the accuracy of available maps; thus each section of about 640 acres may be subdivided into tracts approximately 330 ft on a side containing about 2.5 acres. Lettered quadrants are read from left to right, with the largest subdivision on the left. Sites within the smallest subdivision used are numbered sequentially with 1 digit. As an example, a well in Fallon (Carson Desert, hydrographic area 101) located within the SE1/4NE1/4NW1/4SW1/4 section 6, Township 19 North, Range 28 East, would have the number 101 N19 E28 6CBAD1. A second well within the same 2.5-acre tract would be numbered 101 N19 E28 6CBAD2.

Prior to January 1976, local site numbers in Nevada were published according to the following general format: 19/28-36aabc1. The first number was the township north of the base line (if the township was south of the base line, the first number was followed by an “S”). The second number was the range east of the meridian, the third number was the section, and the following letter or letters and number indicated the quarter sections and sequence as defined above.

Wells and springs in California are assigned numbers according to their location in the rectangular system for the subdivision of public land. For example, in the number 005S012E22P001M (fig. 1), the first four characters indicate the township (T. 5 S.), and the next four characters indicate the range (R.12 E.); the two digits following -5(o)]TJ. Fmrbd[(dicarac)huth tiand

The USGS National Water-Quality Assessment (NAWQA) Program is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; to provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and to provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 42 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents is measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for water-resources managers to use in making decisions and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and Federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key Federal, State, and local water-resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies. Additional information about the NAWQA Program may be accessed from Z *http://water.usgs.gov/nawqa/*.

The USGS National Streamflow Information Program (NSIP) is a long-term program with goals to provide framework streamflow data across the Nation. Included in the program are creation of a permanent Federally funded streamflow network, research on the nature of streamflow, regional assessments of streamflow data and databases, and upgrades in the streamflow information delivery systems. Additional information about NSIP may be accessed from *http://water.usgs.gov/nsip/*.

Carbonate Rock Study Area consists of recording wells, intermittent and quarterly measurements at wells, spring and fall discharge measurements at springs, and bulk precipitation readings at high-elevation sites.

Carson River Mercury Study consists of streamflow sites where depth/width integrated water samples for total and dissolved mercury, total and dissolved methylmercury, and suspended sediment are collected for determination of loads into and out of Lake Lahontan.

Clear Creek Monitoring Project consists of sites where chemical analyses of water samples are collected in the Clear Creek watershed. Water samples were collected at four sites to characterize water quality in the basin. The project is in cooperation with the Nevada Department of Transportation and is being done to collect background data to evaluate the effectiveness of future erosion control efforts proposed in the basin.

Cold Creek Monitoring Project consists of ground-water quality and ground-water level data collected in the Cold Creek watershed as part of a cooperative study with El Dorado County Department of Transportation and California Tahoe Conservancy. The purpose of the study is to assess effects of urban runoff into a detention basin adjacent to Cold Creek.

Dayton Valley consists of water-level measurements at wells, and bulk precipitation readings at sites.

Douglas County Network consists of sites for miscellaneous streamflow measurements, wells for water-level measurements, and ground water water-quality sites where data are routinely collected, principally in Carson Valley, western Nevada. The data will be used to establish background information to determine if changes in water quantity or quality occurs.

Dry Valley Study is a two year water-resource investigation to estimate natural ground-water discharge and to characterize the quality of ground water.

Colorado River Basin Study consists of lake sites where water samples were taken and analyzed in cooperation with the U.S. National Park Service to determine gasoline-related organic compound concentrations in Lake Mead and Lake Mohave.

Lake Tahoe Interagency Monitoring Program is a network of surface-water sites where streamflow and water-quality data are routinely collected around Lake Tahoe and ground-water sites monitored for nutrients. The surface-water data will be used to provide a long-term database of streamflow and of sediment and nutrient loadings from major tributaries to Lake Tahoe.

Lake Tahoe Basin Organics Study in Lake Tahoe and other Lower Echo Lake (Nevada and California) consists of lake sites where water samples were taken and analyzed for MTBE and other gasoline components. The data will be used to determine the effectiveness of the prohibition of carbureted 2-stroke engines in the Lake Tahoe Basin.

Las Vegas Valley Study consisits of water-level measurements at selected wells throughout the valley.

Other Lakes in the Lake Tahoe Basin is a two-year study to determine the nutrient concentrations in five lakes and associated outlet streams in the Lake Tahoe basin.

Nevada Test Site and Adjacent Areas Monitoring Project collects and compiles hydrogeologic data to aid in characterizing local and regional ground-water flow systems underlying the Nevada Test Site and vicinity. This work is done in cooperation with the U.S. Department of Energy as part of their Environmental Restoration and Hydrologic Resources Management Programs. Specific activities include the collection of water-level, water-use, evapotranspiration, and discharge data. Periodic and continuous water-level measurements are collected from wells and test holes at and adjacent to the Nevada Test Site. Measurements provide information defining short- and long-term water-level fluctuations. Water-use data are compiled for most water-supply wells at the Nevada Test Site. Continuous water-use data are collected at selected well

Yucca Mountain Ground-Water Monitoring Project includes periodic measurements made throughout the Yucca Mountain Area to support environmental and regulatory aspects of the Yucca Mountain Project. Discharge and water-level measurements are made at selected springs and wells. Data presented do not include data collected as part of the Site-Characterization Program nor continual records developed from pressure-sensor data. The data included have been reviewed according to quality-assurance requirements specific to the Yucca Mountain Project.

EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS

Data Collection and Computation

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and volume of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from a water-stage recorder that is either downloaded electronically in the field to a laptop computer or similar device or is transmitted using telemetry such as GOES satellite, land-line or cellular-phone modems, or by radio transmission. Measurements of discharge are made with a current meter or acoustic Doppler current profiler, using the general methods adopted by the USGS. These methods are described in standard textbooks, USGS Water-Supply Paper 2175, and the Techniques of Water-Resources Investigations of the United States Geological Survey (TWRIs), Book 3, Chapters A1 through A19 and Book 8, Chapters A2 and B2, which may be accessed from *http://water.usgs.gov/pubs/twri/*. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standardization (ISO).

For stream-gaging stations, discharge-rating tables for any stage are prepared from stage-discharge curves. If extensions to the rating curves are necessary to express discharge greater than measured, the extensions are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, or computation of flow over dams and weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily values. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features of the stream channel, the daily mean discharge is computed by the shifting-control method in which correction factors based on individual discharge measurements and notes by engineers and observers are used when applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the controlling section, the daily mean discharge is computed by the shifting-control method.

The stage-discharge relation at some stream-gaging stations is affected by backwater from reservoirs, tributary streams, or other sources. Such an occurrence necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage at some distance from the base gage.

An index velocity is measured using ultrasonic or acoustic instruments at some stream-gaging stations and this index velocity is used to calculate an average velocity for the flow in the stream. This average velocity along with a stage-area relation is then used to calculate average discharge.

At some stations, stage-discharge relation is affected by changing stage. At these stations, the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations in the northern United States, the stage-discharge relation is affected by ice in the winter; therefore, computation of the discharge in the usual manner is impossible. Discharge for periods of ice effect is computed on the basis of gage-height record and occasional winter-discharge measurements. Consideration is given to the available information on temperature and precipitation, notes

by gage observers and hydrologists, and comparable records of discharge from other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the volume or contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly changes are computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys, the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some stream-gaging stations, periods of time occur when no gage-height record is obtained or the recorded gage height is faulty and cannot be used to compute daily discharge or contents. Such a situation can happen when the recorder stops or otherwise fails to operate properly, the intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records from other stations in the same or nearby basins. Likewise, lake or reservoir volumes may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

Data Presentation

The records published for each continuous-record surface-water discharge station (stream-gaging station) consist of five parts: (1) the station manuscript or description; (2) the data table of daily mean values of discharge for the current water year with summary data; (3) a tabular statistical summary of monthly mean flow data for a designated period, by water year; (4) a summary statistics table that includes statistical data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration; and (5) a hydrograph of discharge.

Station Manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments follow that clarify information presented under the various headings of the station description.

LOCATION.—Location information is obtained from the most accurate maps available. The location of the gaging station with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.—Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.—This term indicates the time period for which records have been published for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not and whose location was such that its flow reasonably can be considered equivalent to flow at the present station.

REVISED RECORDS.—If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

GAGE.—The type of gage in current use, the datum of the current gage referred to a standard datum, and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.—All periods of estimated daily discharge either will be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily discharge table. (See section titled Identifying Estimated Daily Discharge.) Information is presented relative to the accuracy of the records, to special methods of computation, and to conditions that affect natural flow at the station. In addition, information may be presented pertaining to average discharge data for the period of record; to extremes data for the period of record and the current year; and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, the outlet works and spillway, and the purpose and use of the reservoir.

COOPERATION.—Records provided by a cooperating organization or obtained for the USGS by a cooperating organization are identified here.

EXTREMES OUTSIDE PERIOD OF RECORD.—Information here documents major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the USGS.

REVISIONS.—Records are revised if errors in published records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based National data system, NWISWeb (*http://water.usgs.gov/nwis/nwis*). Users are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent data updates. Updates to NWISWeb are made on an annual basis.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because no current or, possibly, future station manuscript would be published for these stations to document the revision in a REVISED RECORDS entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the Water Science Center (address given on the back of the title page of this report) to determine if the published records were revised after the station was discontinued. If, however, the data for a discontinued station were obtained by computer retrieval, the data would be current. Any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the REMARKS and in the inclusion of a stage-capacity table when daily volumes are given.

Peak Discharge Greater than Base Discharge

Tables of peak discharge above base discharge are included for some stations where secondary instantaneous peak discharge data are used in flood-frequency studies of highway and bridge design, flood-control structures, and other flood-related projects. The base discharge value is selected so an average of three peaks a year will be reported. This base discharge value has a recurrence interval of approximately 1.1 years or a 91-percent chance of exceedence in any 1 year.

Data Table of Daily Mean Values

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed TOTAL gives the sum of the daily figures for each month; the line headed MEAN gives the arithmetic average flow in cubic feet per second for the month; and the lines headed MAX and MIN give the maximum and minimum daily mean discharges,

respectively, for each month. Discharge for the month is expressed in cubic feet per second per square mile (line headed CFSM); or in inches (line headed IN); or in acre-feet (line headed AC-FT). Values for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if extensive regulation or diversion is in effect or if the drainage area includes large noncontributing areas. At some stations, monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir volumes are given. These values are identified by a symbol and a corresponding footnote.

Statistics of Monthly Mean Data

A tabular summary of the mean (line headed MEAN), maximum (MAX), and minimum (MIN) of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those values. The designated period will be expressed as FOR WATER YEARS __-__, BY WATER YEAR (WY), and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. The designated period will consist of all of the station record within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are consecutive, unless a break in the station record is indicated in the manuscript.

Summary Statistics

A table titled SUMMARY STATISTICS follows the statistics of monthly mean data tabulation. This table consists of four columns with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, WATER YEARS __-__, will consist of all of the station records within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (see line headings below), except for the ANNUAL 7-DAY MINIMUM statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The date or water year, as appropriate, of the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When the dates of occurrence do not fall within the selected water years listed in the heading, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration-curve statistics and runoff data also are given. Runoff data may be omitted if extensive regulation or diversion of flow is in effect in the drainage basin.

The following summary statistics data are provided with each continuous record of discharge. Comments that follow clarify information presented under the various line headings of the SUMMARY STATISTICS table.

ANNUAL TOTAL.—The sum of the daily mean values of discharge for the year.

ANNUAL MEAN.—The arithmetic mean for the individual daily mean discharges for the year noted or for the designated period.

HIGHEST ANNUAL MEAN.—The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.—The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.—The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.—The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.—The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. This value should not be confused with the 7-day 10-year low-flow statistic.

MAXIMUM PEAK FLOW.—The maximum instantaneous peak discharge occurring for the water year or designated period. Occasionally the maximum flow for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak flow is given in the table and the maximum flow may be reported in a footnote or in the REMARKS paragraph in the manuscript.

MAXIMUM PEAK STAGE.—The maximum instantaneous peak stage occurring for the water year or designated period. Occasionally the maximum stage for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak stage is given in the table and the maximum stage may be reported in the REMARKS paragraph in the manuscript or in a footnote. If the dates of occurrence of the maximum peak stage and maximum peak flow are different, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

INSTANTANEOUS LOW FLOW.—The minimum instantaneous discharge occurring for the water year or for the designated period.

ANNUAL RUNOFF.—Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

> Acre-foot (AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.
>
> Cubic feet per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area.
>
> Inches (INCHES) indicate the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.—The discharge that has been exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.—The discharge that has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.—The discharge that has been exceeded 90 percent of the time for the designated period.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first table lists annual maximum stage and

discharge at crest-stage stations, and the second table lists discharge measurements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are often made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for a special reason are called measurements at miscellaneous sites.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified. This identification is shown either by flagging individual daily values with the letter "e" and noting in a table footnote, "e–Estimated," or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of Field Data and Computed Results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records.

The degree of accuracy of the records is stated in the REMARKS in the station description. "Excellent" indicates that about 95 percent of the daily discharges are within 5 percent of the true value; "good" within 10 percent; and "fair," within 15 percent. "Poor" indicates that daily discharges have less than "fair" accuracy. Different accuracies may be attributed to different parts of a given record.

Values of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft^3/s; to the nearest tenths between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures above 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharge values listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, values of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Data Records Available

Information of a more detailed nature than that published for most of the stream-gaging stations such as discharge measurements, gage-height records, and rating tables is available from the Water Science Center. Also, most stream-gaging station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the Water Science Center (see address that is shown on the back of the title page of this report).

EXPLANATION OF PRECIPITATION RECORDS

Data Collection and Computation

Rainfall data generally are collected using electronic data loggers that measure the rainfall in 0.01-inch increments every 15 minutes using either a tipping-bucket rain gage or a collection well gage. Twenty-four hour rainfall totals are tabulated and presented. A 24-hour period extends from just past midnight of the previous day to midnight of the current day. Snowfall-affected data can result during cold weather when snow fills the rain-gage funnel and then melts as temperatures rise. Snowfall-affected data are subject to errors. Missing values are indicated by this symbol "---" in the table.

Data Presentation

Precipitation records collected at surface-water gaging stations are identified with the same station number and name as the stream-gaging station. Where a surface-water daily-record station is not available, the precipitation record is published with its own name and latitude-longitude identification number.

Information pertinent to the history of a precipitation station is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, period of record, and general remarks.

The following information is provided with each precipitation station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.—See Data Presentation in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

PERIOD OF RECORD.—See Data Presentation in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

INSTRUMENTATION.—Information on the type of rainfall collection system is given.

REMARKS.—Remarks provide added information pertinent to the collection, analysis, or computation of records.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analysis usually are collected at or near stream-gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, water temperature, sediment discharge, and so forth); extremes for the current year; and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, sampling date, or other pertinent data are given in the table containing the chemical analyses of the ground water.

Water Analysis

Most of the methods used for collecting and analyzing water samples are described in the TWRIs, which may be accessed from http://water.usgs.gov/pubs/twri/.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross-section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled at several verticals to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum and minimum values (and sometimes mean or median values) for each constituent measured, and are based on 15-minute or 1-hour intervals of recorded data beginning at 0000 hours and ending at 2400 hours for the day of record.

SURFACE-WATER-QUALITY RECORDS

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because discharge data are useful in the interpretation of surface-water quality. Records of surface-water quality in this report involve a variety of types of data and measurement frequencies.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A *continuous-record station* is a site where data are collected on a regularly scheduled basis. Frequency may be one or more times daily, weekly, monthly, or quarterly. A *partial-record station* is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A *miscellaneous sampling site* is a location other than a continuous- or partial-record station, where samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between *continuous records* as used in this report and *continuous recordings* that refer to a continuous graph or a series of discrete values recorded at short intervals. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently.

Accuracy of the Records

One of four accuracy classifications is applied for measured physical properties at continuous-record stations on a scale ranging from poor to excellent. The accuracy rating is based on data values recorded before

any shifts or corrections are made. Additional consideration also is given to the amount of publishable record and to the amount of data that have been corrected or shifted.

Rating classifications for continuous water-quality records

[≤, less than or equal to; ±, plus or minus value shown; °C, degree Celsius; >, greater than; %, percent; mg/L, milligram per liter; pH unit, standard pH unit]

Measured physical property	Rating			
	Excellent	Good	Fair	Poor
Water temperature	≤ ±0.2 °C	> ±0.2 to 0.5 °C	> ±0.5 to 0.8 °C	> ±0.8 °C
Specific conductance	≤ ±3%	> ±3 to 10%	> ±10 to 15%	> ±15%
Dissolved oxygen	≤ ±0.3 mg/L	> ±0.3 to 0.5 mg/L	> ±0.5 to 0.8 mg/L	> ±0.8 mg/L
pH	≤ ±0.2 unit	> ±0.2 to 0.5 unit	> ±0.5 to 0.8 unit	> ±0.8 unit
Turbidity	≤ ±5%	> ±5 to 10%	> ±10 to 15%	> ±15%

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream-order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites.

On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern is assuring that the data obtained represent the naturally occurring quality of the water. To ensure this, certain measurements, such as water temperature, pH, and dissolved oxygen, must be made on site when the samples are taken. To assure that measurements made in the laboratory also represent the naturally occurring water, carefully prescribed procedures must be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRIs Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1-A9. Most of the methods used for collecting and analyzing water samples are described in the TWRIs, which may be accessed from *http://water.usgs.gov/pubs/twri/*. Also, detailed information on collecting, treating, and shipping samples can be obtained from the USGS Water Science Center (see address that is shown on the back of title page in this report).

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at the time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published. Water temperatures measured at the time of water-discharge measurements are on file in the Water Science Center.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross section.

During periods of rapidly changing flow or rapidly changing concentration, samples may be collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily discharges of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples are collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observation, such data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of suspended-sediment discharge, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included for some stations.

Laboratory Measurements

Samples for biochemical oxygen demand (BOD) and indicator bacteria are analyzed locally. All other samples are analyzed in the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chapter C1. Methods used by the USGS laboratories are given in the TWRIs, Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. The TWRI publications may be accessed from *http://water.usgs.gov/pubs/twri/*. These methods are consistent with ASTM standards and generally follow ISO standards.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of “daily values” of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.—See Data Presentation information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

DRAINAGE AREA.—See Data Presentation information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

PERIOD OF RECORD.—This indicates the time periods for which published water-quality records for the station are available. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.—Information on instrumentation is given only if a water-quality monitor temperature record, sediment pumping sampler, or other sampling device is in operation at a station.

REMARKS.—Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.—Records provided by a cooperating organization or obtained for the USGS by a cooperating organization are identified here.

EXTREMES.—Maximums and minimums are given only for parameters measured daily or more frequently. For parameters measured weekly or less frequently, true maximums or minimums may not have been obtained. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.—Records are revised if errors in published water-quality records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based National data system, NWISWeb (*http://waterdata.usgs.gov/nwis*). Users of USGS water-quality data are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent updates. Updates to the NWISWeb are made on an annual basis.

The surface-water-quality records for partial-record stations and miscellaneous sampling sites are published in separate tables following the table of discharge measurements at miscellaneous sites. No descriptive statements are given for these records. Each station is published with its own station number and name in the regular downstream-order sequence.

Remark Codes

The following remark codes may appear with the water-quality data in this section:

Printed Output	Remark
E	Value is estimated.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
M	Presence of material verified, but not quantified.
N	Presumptive evidence of presence of material.
U	Material specifically analyzed for, but not detected.
A	Value is an average.
V	Analyte was detected in both the environmental sample and the associated blanks.
S	Most probable value.

Water-Quality Control Data

The USGS National Water Quality Laboratory collects quality-control data on a continuing basis to evaluate selected analytical methods to determine long-term method detection levels (LT-MDLs) and

laboratory reporting levels (LRLs). These values are re-evaluated each year on the basis of the most recent quality-control data and, consequently, may change from year to year.

This reporting procedure limits the occurrence of false positive error. Falsely reporting a concentration greater than the LT-MDL for a sample in which the analyte is not present is 1 percent or less. Application of the LRL limits the occurrence of false negative error. The chance of falsely reporting a non-detection for a sample in which the analyte is present at a concentration equal to or greater than the LRL is 1 percent or less.

Accordingly, concentrations are reported as less than LRL for samples in which the analyte was either not detected or did not pass identification. Analytes detected at concentrations between the LT-MDL and the LRL and that pass identification criteria are estimated. Estimated concentrations will be noted with a remark code of "E." These data should be used with the understanding that their uncertainty is greater than that of data reported without the E remark code.

Data generated from quality-control (QC) samples are a requisite for evaluating the quality of the sampling and processing techniques as well as data from the actual samples themselves. Without QC data, environmental sample data cannot be adequately interpreted because the errors associated with the sample data are unknown. The various types of QC samples collected by this Water Science Center are described in the following section. Procedures have been established for the storage of water-quality-control data within the USGS. These procedures allow for storage of all derived QC data and are identified so that they can be related to corresponding environmental samples. These data are not presented in this report but are available from the Water Science Center.

Blank Samples

Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated in the overall data-collection process. The blank solution used to develop specific types of blank samples is a solution that is free of the analytes of interest. Any measured value signal in a blank sample for an analyte (a specific component measured in a chemical analysis) that was absent in the blank solution is believed to be due to contamination. Many types of blank samples are possible; each is designed to segregate a different part of the overall data-collection process. The types of blank samples collected in this Water Science Center are:

Field blank—A blank solution that is subjected to all aspects of sample collection, field processing preservation, transportation, and laboratory handling as an environmental sample.

Trip blank—A blank solution that is put in the same type of bottle used for an environmental sample and kept with the set of sample bottles before and after sample collection.

Equipment blank—A blank solution that is processed through all equipment used for collecting and processing an environmental sample (similar to a field blank but normally done in the more controlled conditions of the office).

Sampler blank—A blank solution that is poured or pumped through the same field sampler used for collecting an environmental sample.

Filter blank—A blank solution that is filtered in the same manner and through the same filter apparatus used for an environmental sample.

Splitter blank—A blank solution that is mixed and separated using a field splitter in the same manner and through the same apparatus used for an environmental sample.

Preservation blank—A blank solution that is treated with the sampler preservatives used for an environmental sample.

Reference Samples

Reference material is a solution or material prepared by a laboratory. The reference material composition is certified for one or more properties so that it can be used to assess a measurement method. Samples of reference material are submitted for analysis to ensure that an analytical method is accurate for the known properties of the reference material. Generally, the selected reference material properties are similar to the environmental sample properties.

Replicate Samples

Replicate samples are a set of environmental samples collected in a manner such that the samples are thought to be essentially identical in composition. Replicate is the general case for which a duplicate is the special case consisting of two samples. Replicate samples are collected and analyzed to establish the amount of variability in the data contributed by some part of the collection and analytical process. Many types of replicate samples are possible, each of which may yield slightly different results in a dynamic hydrologic setting, such as a flowing stream. The types of replicate samples collected in this Water Science Center are:

Concurrent samples—A type of replicate sample in which the samples are collected simultaneously with two or more samplers or by using one sampler and alternating the collection of samples into two or more compositing containers.

Sequential samples—A type of replicate sample in which the samples are collected one after the other, typically over a short time.

Split sample—A type of replicate sample in which a sample is split into subsamples, each subsample contemporaneous in time and space.

Spike Samples

Spike samples are samples to which known quantities of a solution with one or more well-established analyte concentrations have been added. These samples are analyzed to determine the extent of matrix interference or degradation on the analyte concentration during sample processing and analysis.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Generally, only ground-water-level data from selected wells with continuous recorders from a basic network of observation wells are published in this report. This basic network contains observation wells located so that the most significant data are obtained from the fewest wells in the most important aquifers.

Site Identification Numbers

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is produced for local needs.

Data Collection and Computation

Measurements are made in many types of wells, under varying conditions of access and at different temperatures; hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Most methods for collecting and analyzing water samples are described in the TWRIs referred to in the On-site Measurements and Sample Collection and the Laboratory Measurements sections in this report. In

addition, TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRIs Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1 through A9. The TWRI publications may be accessed from *http://water.usgs.gov/pubs/twri/*. The values in this report represent water-quality conditions at the time of sampling, as much as possible, and that are consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. Trained personnel collected all samples. The wells sampled were pumped long enough to ensure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum above sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (EOM).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth of water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Data Presentation

Water-level data are presented in alphabetical order by county. The primary identification number for a given well is the 15-digit site identification number that appears in the upper left corner of the table. The secondary identification number is the local or county well number.

Each well record consists of three parts: the well description, the data table of water levels observed during the water year, and, for most wells, a hydrograph following the data table. Well descriptions are presented in the headings preceding the tabular data.

The following comments clarify information presented in these various headings.

LOCATION.—This paragraph follows the well-identification number and reports the hydrologic-unit number and a geographic point of reference. Latitudes and longitudes used in this report are reported as North American Datum of 1927 unless otherwise specified.

AQUIFER.—This entry designates by name and geologic age the aquifer that the well taps.

WELL CHARACTERISTICS.—This entry describes the well in terms of depth, casing diameter and depth or screened interval, method of construction, use, and changes since construction.

INSTRUMENTATION.—This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on continuous, monthly, or some other frequency of measurement.

DATUM.—This entry describes both the measuring point and the land-surface elevation at the well. The altitude of the land-surface datum is described in feet above the altitude datum; it is reported with a precision depending on the method of determination. The measuring point is described physically (such as top of casing, top of instrument shelf, and so forth), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above National Geodetic

Vertical Datum of 1929 (NGVD 29); it is reported with a precision depending on the method of determination.

REMARKS.—This entry describes factors that may influence the water level in a well or the measurement of the water level, when various methods of measurement were begun, and the network (climatic, terrane, local, or areal effects) or the special project to which the well belongs.

PERIOD OF RECORD.—This entry indicates the time period for which records are published for the well, the month and year at the start of publication of water-level records by the USGS, and the words "to current year" if the records are to be continued into the following year. Time periods for which water-level records are available, but are not published by the USGS, may be noted.

EXTREMES FOR PERIOD OF RECORD.—This entry contains the highest and lowest instantaneously recorded or measured water levels of the period of published record, with respect to land-surface datum or sea level, and the dates of occurrence.

Water-Level Tables

A table of water levels follows the well description for each well. Water-level measurements in this report are given in feet with reference to either sea level or land-surface datum (lsd). Missing records are indicated by dashes in place of the water-level value.

For wells not equipped with recorders, water-level measurements were obtained periodically by steel or electric tape. Tables of periodic water-level measurements in these wells show the date of measurement and the measured water-level value.

Hydrographs

Hydrographs are a graphic display of water-level fluctuations over a period of time. In this report, current water year and, when appropriate, period-of-record hydrographs are shown. Hydrographs that display periodic water-level measurements show points that may be connected with a dashed line from one measurement to the next. Hydrographs that display recorder data show a solid line representing the mean water level recorded for each day. Missing data are indicated by a blank space or break in a hydrograph. Missing data may occur as a result of recorder malfunctions, battery failures, or mechanical problems related to the response of the recorder's float mechanism to water-level fluctuations in a well.

GROUND-WATER-QUALITY DATA

Data Collection and Computation

The ground-water-quality data in this report were obtained as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some wells within a county but not for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality Statewide.

Most methods for collecting and analyzing water samples are described in the TWRIs, which may be accessed from *http://water.usgs.gov/pubs/twri/*. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRI, Book 1, Chapter D2; Book 5, Chapters A1, A3, and A4; and Book 9, Chapters A1-A6. Also, detailed information on collecting, treating, and shipping samples may be obtained from the USGS Water Science Center (see address shown on back of title page in this report).

Laboratory Measurements

Analysis for sulfide and measurement of alkalinity, pH, water temperature, specific conductance, and dissolved oxygen are performed on site. All other sample analyses are performed at the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used by the USGS laboratory are given in TWRI, Book 1, Chapter D2 and Book 5, Chapters A1, A3, and A4, which may be accessed from *http://water.usgs.gov/pubs/twri/*.

ACCESS TO USGS WATER DATA

The USGS provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily mean and peak-flow discharge data for most current or discontinued gaging stations through the World Wide Web (WWW). These data may be accessed from *http://water.usgs.gov*.

Water-quality data and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats on various media. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each Water Discipline Water Science Center (See address that is shown on the back of the title page of this report.)

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, may be accessed from *http://water.usgs.gov/ADR_Defs_2004.pdf*. Terms such as algae, water level, and precipitation are used in their common everyday meanings, definitions of which are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also table for converting English units to International System (SI) Units. Other glossaries that also define water-related terms are accessible from *http://water.usgs.gov/glossaries.html*.

SURFACE WATER RECORDS

09413700 VIRGIN RIVER ABOVE THE NARROWS NEAR LITTLEFIELD, AZ

LOCATION.--Lat 36°55'16", long 113°49'52" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec. 29, T.41 N., R.14 W., Mohave County, Hydrologic Unit 15010010, On right bank, 225 ft south of mile marker 15 and 50 ft east of the edge of the road of I-15.

DRAINAGE AREA.--4,415 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,000 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,110 ft^3/s, August 31, 1999, gage height 10.57 ft; no flow at times, some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of January 1, 1989, 61,000 ft^3/s, on basis of slope-area measurement of peak flow at Virgin River at Littlefield site about 10 mi downstream, due to failure of Quail Creek Dam.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,820 ft^3/s, August 13, gage height, 10.34 ft; minimum daily discharge, 0.10 ft^3/s, June 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	31	83	85	84	114	30	40	9.4	4.8	3.6	14
2	11	27	77	84	79	117	72	28	9.4	1.9	2.6	11
3	11	32	77	85	92	100	256	31	4.1	2.4	6.1	7.9
4	19	29	79	90	95	104	204	34	6.1	1.1	4.2	11
5	40	30	72	79	81	112	148	36	4.8	0.22	5.7	13
6	32	34	69	75	91	85	173	42	5.4	0.32	5.7	15
7	42	42	70	81	77	91	219	26	6.1	0.12	6.2	13
8	49	41	97	81	85	107	202	18	11	0.63	6.4	16
9	37	43	97	70	76	155	188	20	5.2	0.12	1.4	17
10	51	55	80	75	72	174	167	15	6.9	0.12	1.9	33
11	29	60	79	76	81	218	161	26	7.9	0.12	0.62	66
12	28	64	76	77	83	166	112	12	6.2	0.11	0.48	58
13	30	166	80	71	75	106	72	12	5.1	0.32	347	41
14	62	162	80	67	84	86	57	9.5	6.5	0.11	46	41
15	59	87	77	68	82	67	55	13	7.6	0.12	21	25
16	41	79	75	68	90	114	32	22	8.7	12	42	21
17	19	83	80	70	85	117	33	22	10	171	76	19
18	19	72	72	72	85	62	42	17	3.6	55	36	17
19	18	70	74	72	72	53	79	11	3.3	23	72	26
20	26	65	73	67	67	40	70	9.6	3.4	8.1	56	56
21	26	67	75	68	68	45	41	9.6	2.0	4.7	91	49
22	19	79	75	72	94	65	35	11	1.2	2.2	66	27
23	22	88	73	72	135	76	38	14	2.1	2.6	56	33
24	25	81	73	72	167	96	34	19	1.2	4.6	29	25
25	20	74	80	83	129	110	28	23	0.19	1.7	20	18
26	30	84	387	83	218	95	27	18	0.12	2.9	16	23
27	38	89	197	70	314	86	37	13	0.11	6.6	19	29
28	40	86	97	68	266	65	43	17	0.10	2.5	14	19
29	42	80	84	75	166	50	42	15	0.11	4.1	13	78
30	23	80	89	69	---	38	38	8.7	5.2	3.0	16	256
31	30	---	87	85	---	27	---	4.9	---	4.8	21	---
TOTAL	950	2,080	2,884	2,330	3,193	2,941	2,735	597.3	143.03	321.31	1,101.90	1,077.9
MEAN	30.6	69.3	93.0	75.2	110	94.9	91.2	19.3	4.77	10.4	35.5	35.9
MAX	62	166	387	90	314	218	256	42	11	171	347	256
MIN	11	27	69	67	67	27	27	4.9	0.10	0.11	0.48	7.9
AC-FT	1,880	4,130	5,720	4,620	6,330	5,830	5,420	1,180	284	637	2,190	2,140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	77.9	107	115	102	120	111	112	70.5	12.7	45.1	42.1	89.6
MAX	145	212	216	172	180	194	209	162	49.3	153	81.5	376
(WY)	(1999)	(1999)	(1999)	(1999)	(1999)	(2000)	(2001)	(2001)	(1999)	(1998)	(1999)	(1998)
MIN	30.6	69.3	85.2	74.7	55.7	49.9	33.1	11.5	1.41	6.31	0.68	19.6
(WY)	(2004)	(2004)	(2000)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2003)	(2002)	(2003)

09413700 VIRGIN RIVER ABOVE THE NARROWS NEAR LITTLEFIELD, AZ—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	18,043.97		20,354.44			
ANNUAL MEAN	49.4		55.6		78.0	
HIGHEST ANNUAL MEAN					128	1999
LOWEST ANNUAL MEAN					46.2	2002
HIGHEST DAILY MEAN	387	Dec 26	387	Dec 26	2,600	Sep 12, 1998
LOWEST DAILY MEAN	0.00	Jun 12	0.10	Jun 28	0.00	Jun 21, 2001
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 12	0.15	Jul 9	0.00	Jun 28, 2001
MAXIMUM PEAK FLOW			1,820	Aug 13	61,000	Jan 1, 1989
MAXIMUM PEAK STAGE			10.34	Aug 13	10.61	Aug 16, 2003
ANNUAL RUNOFF (AC-FT)	35,790		40,370		56,510	
10 PERCENT EXCEEDS	97		105		191	
50 PERCENT EXCEEDS	37		42		64	
90 PERCENT EXCEEDS	0.00		3.5		3.0	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1998 to current year.

REMARKS.--In June 1998, station was established in cooperation with the Southern Nevada Water Authority to characterize the hydraulics and water quality of the Virgin River Basin.

03 TO SEPTEMBER 2004

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09414900 BEAVER DAM WASH AT BEAVER DAM, AZ

LOCATION.--Lat 36°54'07", long 113°55'58" referenced to North American Datum of 1927, in NW ¼ NE ¼ NE ¼ sec. 05, T.40 N., R.15 W., Mohave County, Hydrologic Unit 15010010, on upstream end of bridge pier at Beaver Dam, AZ.

DRAINAGE AREA.--575 mi^2.

PERIOD OF RECORD.--February 1993 to September 1994, October 1995 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,850 ft above National Geodetic Vertical Datum of 1929, from bench mark on bridge.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,940 ft^3/s, February 10, 1993, gage height, 7.14 ft from rating curve extended above 2,220 ft^3/s; minimum daily, 0.11 ft^3/s, February 18, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 114 ft^3/s, February 27, gage height, 5.98 ft; minimum daily discharge, 0.73 ft^3/s, August 5, 6.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	1.2	1.4	3.2	2.9	2.7	1.6	1.2	1.0	1.1	0.82	0.84
2	1.0	e1.2	1.5	2.7	2.9	2.6	1.6	1.2	1.0	1.1	0.81	0.83
3	1.0	e1.2	1.4	2.3	3.0	2.3	1.6	1.2	1.0	1.1	0.77	0.82
4	1.0	e1.2	1.3	2.1	3.0	1.9	1.8	1.2	1.0	1.1	0.76	0.85
5	1.0	e1.2	1.4	2.0	3.1	1.9	1.7	1.3	1.0	1.0	0.73	0.86
6	1.0	e1.2	1.2	2.2	3.0	1.6	1.6	1.3	1.0	0.91	0.73	0.85
7	1.1	e1.2	1.3	2.2	3.0	1.5	1.6	1.3	1.1	0.92	0.77	0.84
8	1.1	e1.2	1.5	2.3	2.8	1.4	1.5	1.3	1.1	0.91	0.77	0.86
9	1.1	e1.2	1.4	2.7	2.8	1.4	1.5	1.3	1.1	0.92	0.77	0.86
10	1.1	e1.2	1.5	2.7	2.8	1.4	1.5	1.2	1.1	0.92	0.77	7.2
11	1.1	e1.2	1.5	2.3	2.8	1.4	1.4	1.2	1.1	0.96	0.77	1.4
12	1.1	e1.3	1.3	2.3	2.9	1.3	1.2	1.3	1.1	0.97	0.77	0.95
13	1.1	e1.3	1.3	2.4	2.8	1.3	1.1	1.4	1.1	0.98	0.78	0.87
14	1.1	e1.2	1.4	2.4	2.8	1.3	1.00	1.4	1.1	1.0	0.82	0.86
15	1.1	e1.2	1.7	2.5	2.8	1.4	0.88	1.3	1.0	1.0	0.86	0.87
16	1.1	e1.3	1.9	2.4	2.8	1.5	0.86	1.3	0.96	1.1	0.85	0.91
17	1.1	e1.3	1.9	2.3	2.8	1.7	0.86	1.3	0.96	1.1	0.85	0.91
18	1.1	e1.2	1.8	2.3	2.8	2.0	0.82	1.3	0.96	1.1	0.83	0.91
19	1.1	e1.2	1.8	2.3	2.8	2.1	0.82	1.3	0.96	1.0	0.83	0.91
20	1.1	e1.2	2.1	2.3	2.8	2.0	0.81	1.3	0.99	1.0	0.86	0.91
21	1.1	1.2	2.2	2.3	2.8	2.0	0.85	1.2	1.0	1.0	0.86	0.91
22	1.2	e1.2	2.3	2.3	2.8	2.0	0.86	1.0	1.0	1.0	0.86	0.91
23	1.2	e1.2	2.5	2.3	2.8	1.9	0.86	1.0	1.0	1.0	0.86	0.91
24	1.2	e1.3	2.7	2.3	2.8	1.9	0.86	1.0	1.0	1.0	0.86	0.91
25	1.2	e1.3	2.5	2.7	2.7	1.8	0.86	1.0	1.0	1.1	0.85	0.91
26	1.2	1.3	6.0	2.9	9.2	1.8	0.86	1.0	1.0	1.1	0.83	0.91
27	1.3	1.4	6.4	3.3	23	1.8	0.86	1.0	1.0	1.1	0.83	0.91
28	1.3	1.5	2.6	2.9	4.1	1.8	0.86	1.0	1.1	1.1	0.85	0.91
29	1.3	1.6	2.9	3.3	3.0	1.7	1.0	1.0	1.1	1.1	0.85	0.91
30	e1.3	1.5	3.0	3.1	---	1.7	1.1	1.0	1.1	1.1	0.84	0.91
31	e1.3	---	3.3	3.0	---	1.7	---	1.0	---	1.0	0.84	---
TOTAL	35.0	37.9	67.0	78.3	110.6	54.8	34.72	36.8	30.93	31.79	25.25	33.41
MEAN	1.13	1.26	2.16	2.53	3.81	1.77	1.16	1.19	1.03	1.03	0.81	1.11
MAX	1.3	1.6	6.4	3.3	23	2.7	1.8	1.4	1.1	1.1	0.86	7.2
MIN	1.0	1.2	1.2	2.0	2.7	1.3	0.81	1.0	0.96	0.91	0.73	0.82
AC-FT	69	75	133	155	219	109	69	73	61	63	50	66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	2.07	2.18	2.47	2.63	5.73	5.16	2.94	2.18	1.93	1.91	1.86	2.05
MAX	2.88	3.08	3.23	3.40	31.2	30.1	9.31	2.91	2.56	2.62	2.75	3.90

09415000 VIRGIN RIVER AT LITTLEFIELD, AZ

LOCATION.--Lat 36°53'30", long 113°55'25" referenced to North American Datum of 1927, in SW ¼ SW ¼ sec. 04, T.40 N., R.15 W., Mohave County, Hydrologic Unit 15010010, on right bank, 0.5 mi downstream from Beaver Dam Wash, 0.4 mi upstream from Littlefield, and 36 mi upstream from Lake Mead.

DRAINAGE AREA.--5,090 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1929 to current year.

REVISED RECORDS.--WSP 959: 1932. WSP 979: 1930-31, 1933-37. WSP 1313: 1940 (M).

GAGE.--Water-stage recorder. Datum of gage is 1,763.68 ft above National Geodetic Vertical Datum of 1929. Prior to May 28, 1933, nonrecording gage at site 300 ft upstream, and May 28, 1933, to November 7, 1939, at same site, both at datum 2.53 ft higher. November 8, 1939, to March 31, 1942, nonrecording gage at same site at datum 2.00 ft higher. April 1, 1942, to September 30, 1970, water-stage recorder at same site at same datum. October 1, 1970, to August 7, 1979, at site 300 ft upstream at same datum.

REMARKS.--No estimated daily discharges. Records good. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,000 ft^3/s, January 1, 1989, gage height, 22.37 ft, due to failure of Quail Creek Dam; maximum discharge excluding 1989: 35,200 ft^3/s, December 6, 1966, gage height, 15.66 ft, for site then in use, from rating curve extended above 1,500 ft^3/s on basis of slope-area measurement of peak flow; minimum daily, 40 ft^3/s, August 6, 1966.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
August 13	1300	*2,410	*8.26				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	85	132	143	183	174	110	91	58	60	61	67
2	68	87	128	141	176	174	132	79	59	56	58	65
3	67	85	128	143	194	162	261	76	56	56	62	62
4	68	87	128	152	211	163	245	79	56	55	60	64
5	95	86	123	139	188	169	195	78	56	54	60	66
6	84	86	121	136	202	152	204	80	56	53	59	66
7	93	98	122	143	188	157	247	72	57	53	60	67
8	99	94	150	146	199	161	239	67	60	54	62	67
9	90	97	150	134	192	195	221	67	57	53	56	69
10	100	107	132	138	186	207	201	63	60	53	55	80
11	82	112	131	140	194	229	191	68	60	53	54	85
12	79	116	135	142	197	207	159	61	61	54	53	102
13	82	183	137	136	181	168	129	60	59	54	418	79
14	113	237	138	131	190	152	115	60	60	55	101	87
15	115	146	136	132	189	139	113	58	61	55	77	76
16	100	130	133	135	186	167	94	65	61	58	79	71
17	77	138	135	136	172	177	91	65	64	193	119	71
18	74	124	130	139	169	138	99	62	59	112	76	69
19	75	122	131	139	152	131	126	58	58	79	101	69
20	75	116	133	135	139	117	123	57	57	64	90	88
21	80	116	135	133	134	121	98	56	56	59	110	94
22	76	124	136	138	157	134	91	56	55	56	105	78
23	77	134	135	140	201	145	94	58	55	56	98	80
24	80	130	137	142	238	160	93	62	55	58	76	78
25	75	125	142	154	208	169	89	65	54	55	68	72
26	80	133	560	156	268	161	89	62	53	55	64	73
27	89	138	448	147	383	152	95	59	53	62	66	78
28	94	134	220	142	289	137	99	60	53	57	63	76
29	97	128	138	154	212	126	97	62	54	61	64	92
30	84	131	143	151	---	118	90	57	57	59	66	264
31	83	---	146	170	---	109	---	56	---	61	71	---
TOTAL	2,619	3,629	4,993	4,407	5,778	4,871	4,230	2,019	1,720	1,963	2,612	2,455
MEAN	84.5	121	161	142	199	157	141	65.1	57.3	63.3	84.3	81.8
MAX	115	237	560	170	383	229	261	91	64	193	418	264
MIN	67	85	121	131	134	109	89	56	53	53	53	62
MED	82	123	135	140	190	160	114	62	57	56	66	75
AC-FT	5,190	7,200	9,900	8,740	11,460	9,660	8,390	4,000	3,410	3,890	5,180	4,870

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

MEAN	147	190	222	233	314	357	395	408	138	106	173	151
MAX	602	552	1,247	775	2,330	1,805	1,385	2,122	1,119	381	976	737
(WY)	(1947)	(1947)	(1967)	(1969)	(1980)	(1995)	(1969)	(1941)	(1983)	(1932)	(1932)	(1939)
MIN	53.4	101	111	108	108	85.4	61.6	49.9	46.8	51.6	49.8	53.3
(WY)	(1965)	(1991)	(1964)	(1964)	(2002)	(1977)	(1934)	(1990)	(1964)	(1965)	(2002)	(1964)

09415000 VIRGIN RIVER AT LITTLEFIELD, AZ—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL TOTAL	39,577		41,296			
ANNUAL MEAN	108		113		236	
HIGHEST ANNUAL MEAN					697	1983
LOWEST ANNUAL MEAN					100	1991
HIGHEST DAILY MEAN	819	Aug 23	560	Dec 26	17,000	Mar 3, 1938
LOWEST DAILY MEAN	46	Jun 27	53	Jun 26	40	Aug 6, 1966
ANNUAL SEVEN-DAY MINIMUM	47	Jun 25	53	Jul 5	41	Aug 3, 1966
MAXIMUM PEAK FLOW			2,410	Aug 13	61,000	Jan 1, 1989
MAXIMUM PEAK STAGE			8.26	Aug 13	22.37	Jan 1, 1989
ANNUAL RUNOFF (AC-FT)	78,500		81,910		170,700	
10 PERCENT EXCEEDS	162		188		411	
50 PERCENT EXCEEDS	90		96		145	
90 PERCENT EXCEEDS	50		56		61	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1948 to current year.

PERIOD OF DAILY RECORD.--
CHEMICAL ANALYSES: July 1949 to September 1969.
SPECIFIC CONDUCTANCE: October 1947 to March 1988.
WATER TEMPERATURE: October 1947 to March 1988.
SEDIMENT DATA: October 1947 to September 1968, October 1992 to September 1995.

REMARKS.--Data was collected in cooperation with the Southern Nevada Water Authority to characterize the hydraulics and water quality of the Virgin River Basin and to establish information on chemical loading into Lake Mead. Streamflow is not completely homogenous chemically from bank to bank. Flow adjacent to north (right) bank is generally more dilute than average, particularly at times of low streamflow; monthly data collected during June 1975-September 1976 indicate that specific conductance off north bank was 93 to 100 percent of streamwide average (range of discharge, 60-230 ft^3/s). Water temperature characteristically shows little or no variation from bank to bank. Detailed sampling information for period since June 1975 is available from U.S. Geological Survey, Carson City, Nevada.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 4,650 microsiemens, cm, August 21, 1966; minimum, 615 microsiemens, cm, May 27, 28, 30, 31, 1983.
WATER TEMPERATURE: Maximum, 33.5°C, July 7, 1953; minimum, 2.0°C January 4, 1949, January 4, 1950, January 4, 5, 1971.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
NOV												
24...	1200	Environmental	132	.032	.024	717	9.9	95	7.7	3,070	11.5	10.5
MAR												
02...	1000	Environmental	213	.058	.044	707	8.8	91	7.5	2,900	15.5	12.8
JUN												
15...	0900	Environmental	56	.016	.012	708	7.5	93	7.2	3,220	24.0	21.5
SEP												
08...	0930	Environmental	68	.031	.024	715	9.0	112	7.6	3,390	30.0	22.5

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
NOV													
24...	275	85.5	25.7	307	258	277	335	406	.9	21.9	805	2,200	.17
MAR													
02...	254	77.0	22.9	306	280	267	323	393	.8	20.1	789	2,170	.21
JUN													
15...	356	111	28.5	277	239	276	331	357	1.1	15.1	968	2,380	E.09
SEP													
08...	313	99.8	27.9	280	238	255	310	400	1.1	15.7	1,030	2,500	.15

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	E coli, m-TEC MF, water, col/ 100 mL (31633)
NOV													
24...	.40	<.04	1.49	<.008	.19	.15	.18	.29	4.1	.1	3.9	1.5	E31
MAR													
02...	.95	E.02	1.59	.008	.89	.06	.08	.41	22.9	3.5	19.4	2.1	E7
JUN													
15...	.13	<.04	.10	<.008	.08	<.02	<.04	<.04	.7	<.1	.7	1.4	--
SEP													
08...	.27	<.04	.13	.012	.23	<.02	<.04	E.04	2.2	<.1	2.2	1.7	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Fecal strep-tococci KF MF, col/ 100 mL (31673)	Arsenic water, fltrd, ug/L (01000)	Boron, water, fltrd, ug/L (01020)	Iron, water, fltrd, ug/L (01046)	Lithium water, fltrd, ug/L (01130)	Selen-ium, water, fltrd, ug/L (01145)	Stront-ium, water, fltrd, ug/L (01080)	Vanad-ium, water, fltrd, ug/L (01085)	[a]2,4,5-T surrog, water, fltrd, percent recovry (99958)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)
NOV													
24...	92	246	10.7	896	<19	348	1.4	3,510	2.1	97.9	<.009	E.01	<.02
MAR													
02...	120	414	10.2	721	E5	296	2.4	3,160	4.3	E142	<.009	.02	<.02
JUN													
15...	--	--	8.1	853	E18	383	2.4	3,930	2.1	89.1	<.009	<.02	<.02
SEP													
08...	--	--	7.8	963	<19	409	2.9	4,060	1.7	86.5	<.009	<.02	<.02

Date	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	OIET, water, fltrd, ug/L (50355)	3-Hydroxy carbo-furan, wat flt 0.7u GF ug/L (49308)	3-Keto-carbo-furan, water, fltrd, ug/L (50295)	Aceto-chlor, water, fltrd, ug/L (49260)	Aci-fluor-fen, water, fltrd 0.7u GF ug/L (49315)	Ala-chlor, water, fltrd, ug/L (46342)	Aldi-carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt 0.7u GF ug/L (49314)	Aldi-carb, water, fltrd 0.7u GF ug/L (49312)	alpha-HCH, water, fltrd, ug/L (34253)
NOV													
24...	<.006	<.006	<.04	<.008	<.006	<2	<.006	<.007	<.005	<.02	<.008	<.04	<.005
MAR													
02...	<.006	<.006	<.04	<.008	<.006	<2	<.006	<.007	<.005	<.02	<.008	<.04	<.005
JUN													
15...	<.006	<.006	<.01	<.008	<.006	<.014	<.006	<.007	<.005	<.02	<.008	<.04	<.005
SEP													
08...	<.006	<.006	<.01	<.008	<.006	<.014	<.006	<.007	<.005	<.02	<.008	<.04	<.005

Date	[a]alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	[a]Barban, surrog, Sched. 2060/ 9060, wat flt pct rcv (90640)	Bendio-carb, water, fltrd, ug/L (50299)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensul-furon, water, fltrd, ug/L (61693)	Ben-tazon, water, fltrd 0.7u GF ug/L (38711)	Broma-cil, water, fltrd, ug/L (04029)	Brom-oxynil, water, fltrd 0.7u GF ug/L (49311)	Butyl-ate, water, fltrd, ug/L (04028)	Caf-feine, water, fltrd, ug/L (50305)
NOV													
24...	77.7	<.007	<.050	82.4	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
MAR													
02...	105	<.007	<.050	117	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
JUN													
15...	99.5	<.007	<.050	89.8	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
SEP													
08...	87.4	<.007	<.050	89.0	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096

Date	[a]Caf-feine-13C, surrog, wat flt percent recovry (99959)	Car-baryl, water, fltrd 0.7u GF ug/L (49310)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd 0.7u GF ug/L (49309)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Chlor-amben methyl ester, water, fltrd, ug/L (61188)	Chlori-muron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-tri-azine, wat flt ug/L (04039)	Chloro-thalo-nil, water, fltrd 0.7u GF ug/L (49306)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	Clopyr-alid, water, fltrd 0.7u GF ug/L (49305)	Cyana-zine, water, fltrd, ug/L (04041)
NOV													
24...	83.7	<.03	<.041	<.006	<.020	<.02	<.010	<.01	<.04	<.005	<.006	<.01	<.018
MAR													
02...	130	<.03	<.041	<.006	<.020	<.02	<.010	<.01	<.04	<.005	<.006	<.01	<.018
JUN													
15...	99.0	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005	<.006	<.01	<.018
SEP													
08...	90.5	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005	<.006	<.01	<.018

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Cyclo-ate, water, fltrd, ug/L (04031)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)	[a]Diazi-non-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Dicamba water fltrd 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd 0.7u GF ug/L (49302)	Diel-drin, water, fltrd, ug/L (39381)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphen-amid, water, fltrd, ug/L (04033)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	Diuron, water, fltrd 0.7u GF ug/L (49300)
NOV													
24...	<.01	<.01	<.003	<.012	<.005	88.5	<.01	<.01	<.009	<.01	<.03	<.02	<.01
MAR													
02...	<.01	<.01	.003	<.012	<.005	139	<.05	<.01	<.009	<.01	<.03	<.02	E.01
JUN													
15...	<.01	<.01	<.003	<.012	<.005	114	<.01	<.01	<.009	<.01	<.03	<.02	<.01
SEP													
08...	<.01	<.01	<.003	<.012	E.005	90.2	<.01	<.01	<.009	<.01	<.03	<.02	<.01

Date	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Flumet-sulam, water, fltrd, ug/L (61694)	Fluo-meturon water fltrd 0.7u GF ug/L (38811)	Fonofos water, fltrd, ug/L (04095)	Imaza-quin, water, fltrd, ug/L (50356)	Imaze-thapyr, water, fltrd, ug/L (50407)
NOV													
24...	<.004	<.009	<.007	<.03	<.029	<.013	<.024	<.016	<.01	<.03	<.003	<.02	<.02
MAR													
02...	<.004	<.009	<.005	<.03	<.029	<.013	<.024	<.016	<.01	<.03	<.003	<.02	<.02
JUN													
15...	<.004	<.009	<.005	<.03	<.029	<.013	<.024	<.016	<.01	<.03	<.003	<.02	<.02
SEP													
08...	<.004	<.009	<.005	<.03	<.029	<.013	<.024	<.016	<.01	<.03	<.003	<.02	<.02

Date	Imida-cloprid water, fltrd, ug/L (61695)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (38478)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala-thion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Meta-laxyl, water, fltrd, ug/L (50359)	Methio-carb, water, fltrd 0.7u GF ug/L (38501)	Meth-omyl, water, fltrd 0.7u GF ug/L (49296)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)
NOV													
24...	<.007	<.004	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	<.015	<.013	<.006
MAR													
02...	<.007	<.004	<.01	<.035	E.013	<.02	<.01	<.02	<.008	<.004	<.015	<.013	<.006
JUN													
15...	<.007	<.004	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	<.015	<.013	<.006
SEP													
08...	<.007	<.004	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	<.015	<.013	<.006

Date	Metsul-furon, water, fltrd, ug/L (61697)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	N-(4-Chloro-phenyl) -N-' methyl-urea, ug/L (61692)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nico-sul-furon, water, fltrd, ug/L (50364)	Norflur azon, water, fltrd 0.7u GF ug/L (49293)	Ory-zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	p,p-' DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)
NOV													
24...	<.03	<.003	<.02	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022
MAR													
02...	<.05	<.003	<.02	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022
JUN													
15...	<.03	<.003	<.02	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022
SEP													
08...	<.03	<.003	<.02	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Phorate water fltrd 0.7u GF ug/L (82664)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfometruron, water, fltrd, ug/L (50337)
NOV													
24...	<.011	<.02	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02	<.005	<.009
MAR													
02...	<.011	<.02	.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02	<.005	<.009
JUN													
15...	<.011	<.02	.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02	E.004	<.009
SEP													
08...	<.011	<.02	.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02	<.005	<.009

Date	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbacil, water, fltrd, ug/L (04032)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
NOV											
24...	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009	48	426	152
MAR											
02...	.05	<.034	<.010	<.02	<.010	<.002	.09	<.009	90	1,200	693
JUN											
15...	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009	51	20	3.0
SEP											
08...	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009	44	33	6.1

Remark codes used in this table:
< -- Less than
E -- Estimated value

[a] -- Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

LOWER COLORADO RIVER BASIN-LAKE MEAD, LOWER VIRGIN RIVER BASIN

09415240 VIRGIN RIVER NEAR OVERTON, NV

LOCATION.--Lat 36°34'59", long 114°19'27" referenced to North American Datum of 1927, in SW ¼ SW ¼ sec. 31, T.15 S., R.69 E., Clark County, Hydrologic Unit 15010010, in Lake Mead National Recreation Area, on right bank, .25 mi upstream of Lake Mead, and 4 mi east of Overton, NV.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--January 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,230 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,060 ft^3/s, August 24, 2003, gage height, 5.58 ft, from high water mark; no flow at times, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 570 ft^3/s, December 27, gage height, 5.44 ft; minimum daily discharge, 0.00 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.26	50	118	134	119	186	62	50	9.1	0.00	0.00	1.2
2	0.24	56	115	132	122	158	92	60	5.1	0.00	0.00	0.75
3	2.2	58	105	128	126	153	125	60	7.8	0.00	0.00	2.0
4	2.0	58	108	128	145	147	265	60	6.9	0.00	0.00	1.4
5	5.3	48	116	130	140	140	212	53	0.59	0.00	0.00	1.6
6	28	50	113	129	132	138	177	54	0.19	0.00	0.00	3.8
7	23	46	112	124	135	131	214	52	0.06	0.00	0.00	0.87
8	32	55	114	126	124	135	236	53	0.00	0.00	0.00	4.2
9	39	73	126	121	132	130	217	51	0.00	0.00	0.00	5.7
10	37	69	130	109	126	147	177	53	0.00	0.00	0.00	5.7
11	26	68	123	111	118	160	164	32	0.00	0.00	0.00	11
12	21	81	123	112	123	202	161	30	0.00	0.00	0.00	40
13	18	88	120	115	119	159	122	39	0.00	0.00	0.00	47
14	22	142	127	114	117	135	103	32	0.00	0.00	58	26
15	46	153	129	109	122	120	93	25	0.00	0.00	25	27
16	48	132	127	111	130	101	94	17	0.00	0.00	24	20
17	35	124	121	108	115	132	82	20	0.00	0.00	15	15
18	34	123	125	109	113	124	76	22	0.30	5.4	21	15
19	30	117	119	115	111	94	71	28	0.91	11	5.4	10
20	31	118	123	110	101	91	75	19	0.17	3.2	14	12
21	34	113	124	107	105	85	72	15	0.50	0.16	12	16
22	58	110	128	115	114	84	68	12	0.27	0.00	30	25
23	58	107	128	103	145	92	57	18	0.00	0.00	39	16
24	46	118	127	105	174	107	62	21	0.00	0.00	19	29
25	39	117	127	112	192	135	72	14	0.00	0.00	15	38
26	43	108	149	116	194	141	65	7.2	0.00	0.00	4.1	24
27	54	117	364	115	333	115	67	7.8	0.00	0.00	8.8	15
28	59	123	202	107	354	109	70	7.8	0.00	0.00	10	27
29	64	122	144	109	280	113	80	7.8	0.00	0.00	6.7	29
30	66	117	138	98	---	103	52	11	0.00	0.00	1.4	50
31	49	---	137	108	---	82	---	17	---	0.00	2.8	---
TOTAL	1,050.00	2,861	4,162	3,570	4,361	3,949	3,483	948.6	31.89	19.76	311.20	519.22
MEAN	33.9	95.4	134	115	150	127	116	30.6	1.06	0.64	10.0	17.3
MAX	66	153	364	134	354	202	265	60	9.1	11	58	50
MIN	0.24	46	105	98	101	82	52	7.2	0.00	0.00	0.00	0.75
AC-FT	2,080	5,670	8,260	7,080	8,650	7,830	6,910	1,880	63	39	617	1,030

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	33.9	95.4	134	124	164	142	89.9	36.6	1.45	0.32	30.8	20.6
MAX	33.9	95.4	134	133	179	157	116	42.5	1.84	0.64	51.6	23.9
(WY)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2004)	(2003)	(2003)	(2004)	(2003)	(2003)
MIN	33.9	95.4	134	115	150	127	63.6	30.6	1.06	0.00	10.0	17.3
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2004)	(2004)	(2003)	(2004)	(2004)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	27,667.20		25,266.67			
ANNUAL MEAN	75.8		69.0		69.0	
HIGHEST ANNUAL MEAN					69.0	2004
LOWEST ANNUAL MEAN					69.0	2004
HIGHEST DAILY MEAN	567	Mar 18	364	Dec 27	567	Mar 18, 2003
LOWEST DAILY MEAN	0.00	Jun 11	0.00	Jun 8	0.00	Jun 11, 2003
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 11	0.00	Jun 8	0.00	Jun 11, 2003
MAXIMUM PEAK FLOW			570	Dec 27	1,060	Aug 24, 2003
MAXIMUM PEAK STAGE			5.44	Dec 27	5.58	Aug 24, 2003
ANNUAL RUNOFF (AC-FT)	54,880		50,120		50,010	
10 PERCENT EXCEEDS	155		137		137	
50 PERCENT EXCEEDS	58		58		58	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

09415460 WHITE RIVER NEAR RED MOUNTAIN NEAR PRESTON, NV

LOCATION.--Lat 38°56'07", long 115°17'51" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 02, T.12 N., R.59 E., White Pine County, Hydrologic Unit 15010011, on right bank near US Forest Service campground, picnic area, about 8.0 mi west of U.S. Highway 6, and about 14.5 mi northwest of Preston.

DRAINAGE AREA.--28.2 mi^2.

PERIOD OF RECORD.--January 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,880 ft above National Geodetic Vertical Datum of 1929, from topographic map

REMARKS.--No estimated daily discharges. Records good. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19 ft^3/s, April 5, 2004, gage height, 4.98 ft; minimum daily, 0 36 ft^3/s, February 20, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19 ft^3/s, April 5, gage height, 4.98 ft; minimum daily discharge, 0.36 ft^3/s, February 20.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.92	0.93	0.88	0.91	0.58	0.43	3.9	4.9	3.1	1.9	1.1	0.64
2	0.94	0.74	0.88	0.86	0.81	0.47	5.0	4.9	3.0	1.9	1.1	0.63
3	1.1	0.94	0.91	0.84	0.81	0.47	9.6	5.0	3.0	1.8	0.99	0.72
4	1.1	0.79	0.89	0.87	0.75	0.47	11	5.2	2.9	1.8	0.93	0.77
5	1.0	0.86	0.93	0.87	0.70	0.49	13	5.2	2.8	1.7	0.90	0.74
6	1.0	0.82	0.91	0.87	0.71	0.54	15	5.1	2.7	1.7	0.87	0.70
7	1.0	0.88	0.90	0.90	0.81	0.54	15	4.8	2.7	1.6	0.87	0.67
8	1.0	0.97	0.79	0.93	0.75	0.58	14	4.7	2.6	1.6	0.85	0.65
9	1.0	1.0	0.53	0.95	0.65	0.59	13	4.6	2.7	1.5	0.83	0.64
10	0.99	1.0	0.92	0.96	0.71	0.62	12	4.6	2.7	1.5	0.81	0.64
11	1.1	0.92	0.95	0.87	0.81	0.62	11	4.5	2.6	1.4	0.79	0.63
12	1.1	0.95	0.86	0.85	0.81	0.65	10	4.3	2.5	1.4	0.77	0.62
13	1.1	1.0	0.95	0.81	0.81	0.67	9.6	4.1	2.5	1.3	0.77	0.60
14	1.1	0.96	0.88	0.77	0.81	0.70	9.1	4.1	2.4	1.3	0.84	0.58
15	1.1	0.92	0.90	0.77	0.75	0.72	8.5	4.2	2.4	1.4	0.83	0.62
16	1.1	1.0	0.91	0.78	0.64	0.76	7.9	4.1	2.4	1.5	0.86	0.61
17	1.1	1.0	0.96	0.78	0.55	0.80	7.7	4.0	2.6	1.4	0.85	0.58
18	1.1	0.96	1.0	0.79	0.44	0.85	7.4	4.0	2.6	1.4	0.82	0.56
19	0.92	0.96	0.95	0.82	0.39	0.92	7.2	3.9	2.3	1.3	0.81	0.62
20	0.81	1.00	0.83	0.76	0.36	0.99	6.8	3.8	2.3	1.3	0.79	0.72
21	0.81	0.94	0.82	0.72	0.39	1.1	6.7	3.7	2.2	1.2	0.78	0.73
22	0.81	0.57	0.77	0.73	0.37	1.3	6.3	3.7	2.2	1.2	0.76	0.73
23	0.82	0.54	0.79	0.89	0.38	1.6	5.9	3.6	2.1	1.2	0.76	0.70
24	0.84	0.61	0.81	0.81	0.38	2.0	5.7	3.5	2.1	1.2	0.82	0.68
25	0.85	0.71	0.84	0.79	0.39	2.5	5.5	3.6	2.0	1.2	0.77	0.67
26	0.86	0.82	0.70	0.75	0.41	3.4	5.4	3.4	2.0	1.1	0.74	0.66
27	0.85	0.85	0.60	0.81	0.43	3.2	5.5	3.3	2.0	1.1	0.75	0.64
28	0.85	0.88	0.60	0.83	0.43	3.1	5.6	3.6	2.0	1.1	0.74	0.66
29	0.83	0.94	0.60	0.75	0.43	3.2	5.6	3.5	2.0	1.1	0.71	0.70
30	0.85	0.94	0.62	0.68	---	3.4	5.2	3.3	1.9	1.0	0.69	0.74
31	0.88	---	0.77	0.62	---	3.5	---	3.2	---	0.98	0.67	---
TOTAL	29.83	26.40	25.65	25.34	17.26	41.18	254.1	128.4	73.3	43.08	25.57	19.85
MEAN	0.96	0.88	0.83	0.82	0.60	1.33	8.47	4.14	2.44	1.39	0.82	0.66
MAX	1.1	1.0	1.0	0.96	0.81	3.5	15	5.2	3.1	1.9	1.1	0.77
MIN	0.81	0.54	0.53	0.62	0.36	0.43	3.9	3.2	1.9	0.98	0.67	0.56
AC-FT	59	52	51	50	34	82	504	255	145	85	51	39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	0.96	0.88	0.83	0.82	0.78	1.20	5.31	5.67	3.34	1.84	1.10	0.84
MAX	0.96	0.88	0.83	0.82	0.97	1.33	8.47	7.20	4.24	2.29	1.37	1.02
(WY)	(2004)	(2004)	(2004)	(2004)	(2003)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	0.96	0.88	0.83	0.82	0.60	1.07	2.15	4.14	2.44	1.39	0.82	0.66
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	709.96			
ANNUAL MEAN	1.94		1.94	
HIGHEST ANNUAL MEAN			1.94	2004
LOWEST ANNUAL MEAN			1.94	2004
HIGHEST DAILY MEAN	15	Apr 6	15	Apr 6, 2004
LOWEST DAILY MEAN	0.36	Feb 20	0.36	Feb 20, 2004
ANNUAL SEVEN-DAY MINIMUM	0.38	Feb 19	0.38	Feb 19, 2004
MAXIMUM PEAK FLOW	19	Apr 5	19	Apr 5, 2004
MAXIMUM PEAK STAGE	4.98	Apr 5	4.98	Apr 5, 2004
ANNUAL RUNOFF (AC-FT)	1,410		1,410	
10 PERCENT EXCEEDS	4.7		4.7	
50 PERCENT EXCEEDS	0.92		0.92	
90 PERCENT EXCEEDS	0.62		0.62	

09415510 PRESTON BIG SPRING NEAR PRESTON, NV

LOCATION (REVISED).--Lat 38°55'49.66", long 115°04'44.07" referenced to North American Datum of 1983, in SE ¼ NE ¼ sec. 02, T.12 N., R.61 E., White Pine County, Hydrologic Unit 15010011, 1.0 mi northwest of Preston.

PERIOD OF RECORD.--May 1947, January, July, August 1982, October, November 1985, 1987-1999 (discharge measurements only), December 1982 to September 1985, February 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,700 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10 ft^3/s, August 5, 2004, gage height, 1.97 ft; maximum gage height, 2.24 ft, April 2, 2000, backwater from debris in flume; minimum daily, 6.7 ft^3/s, several days March and April 1984.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10 ft^3/s, July 21, August 3, 5, 22, 23, gage height, 1.78 ft; minimum daily discharge, 7.2 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	7.4	7.8	7.4	7.8	8.0	8.4	9.0	8.0	7.6	8.4	8.4
2	7.9	7.4	7.8	7.4	7.8	8.0	8.5	8.4	8.2	7.5	8.0	8.4
3	7.9	7.4	7.7	7.5	7.9	8.0	8.5	7.8	8.5	7.7	8.5	8.4
4	8.1	7.4	7.6	e7.7	7.9	8.0	8.5	7.8	8.1	7.5	9.1	8.4
5	8.0	7.3	7.4	e7.8	7.9	8.1	8.5	7.8	7.9	7.4	8.4	8.4
6	7.8	7.3	7.5	7.6	8.0	8.1	8.5	7.8	8.0	7.4	8.0	9.1
7	7.8	7.2	7.5	7.6	8.0	8.1	8.4	7.8	7.7	7.5	8.1	9.2
8	8.0	7.2	7.5	7.6	8.0	8.1	8.4	7.8	7.6	7.5	8.1	8.8
9	7.9	7.3	e7.6	7.6	8.1	8.1	8.2	7.8	7.8	8.1	8.0	7.8
10	7.9	7.3	7.3	7.7	8.1	8.1	8.0	7.8	7.8	8.4	8.0	8.0
11	8.0	7.3	7.2	7.7	7.8	8.2	7.9	7.8	8.0	8.0	7.9	8.1
12	8.0	7.3	7.2	7.7	7.7	8.2	7.6	7.8	7.7	7.4	7.9	8.2
13	8.0	7.3	7.3	7.7	7.8	8.2	7.6	7.8	7.7	7.3	8.0	8.3
14	8.1	7.4	7.3	7.7	7.8	8.2	7.7	7.8	7.7	7.2	8.2	8.3
15	8.1	7.4	7.3	7.7	7.8	8.3	7.6	7.8	8.1	7.2	8.5	8.4
16	8.2	7.3	7.3	7.8	7.9	8.3	7.5	7.7	7.9	7.3	8.4	8.7
17	8.4	7.4	7.3	7.8	7.9	8.4	7.5	7.8	7.8	8.4	7.9	8.8
18	8.4	7.4	7.4	7.9	8.0	8.4	7.5	7.7	8.0	8.7	7.9	8.8
19	8.2	7.4	7.5	7.9	7.9	8.4	7.4	7.7	8.1	8.0	7.9	8.3
20	7.9	7.2	7.5	7.9	7.8	8.4	7.3	7.8	8.2	8.4	8.0	7.9
21	8.2	7.5	7.5	8.0	7.8	8.5	7.4	7.7	7.7	8.8	8.1	8.0
22	8.2	7.9	7.5	8.0	7.8	8.3	8.0	7.8	7.7	8.0	8.1	8.7
23	8.1	7.9	7.5	8.0	7.9	8.1	8.1	7.7	7.8	8.1	9.3	8.6
24	7.9	7.9	7.5	8.0	7.9	8.2	8.2	7.7	7.6	8.2	7.9	9.0
25	e7.7	7.9	7.5	8.0	7.9	8.3	8.3	7.8	7.9	8.3	8.2	8.7
26	e7.7	7.9	7.5	7.8	7.9	8.3	8.3	7.8	8.1	8.3	8.7	8.3
27	7.9	7.9	e7.8	7.6	7.9	8.3	8.4	7.8	8.5	7.9	8.4	7.9
28	7.8	7.9	e7.9	7.6	7.9	8.3	8.5	7.8	8.4	8.0	8.0	7.7
29	7.4	7.8	e7.9	7.7	8.0	8.3	8.7	8.1	7.5	8.1	8.1	7.6
30	7.4	7.8	7.5	7.7	---	8.4	8.9	8.3	7.6	8.1	7.9	7.5
31	7.5	---	7.4	7.7	---	8.4	---	7.7	---	8.4	8.1	---
TOTAL	246.2	225.0	232.5	239.8	228.9	255.0	242.3	243.7	237.6	244.7	254.0	250.7
MEAN	7.94	7.50	7.50	7.74	7.89	8.23	8.08	7.86	7.92	7.89	8.19	8.36
MAX	8.4	7.9	7.9	8.0	8.1	8.5	8.9	9.0	8.5	8.8	9.3	9.2
MIN	7.4	7.2	7.2	7.4	7.7	8.0	7.3	7.7	7.5	7.2	7.9	7.5
AC-FT	488	446	461	476	454	506	481	483	471	485	504	497

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004, BY WATER YEAR (WY)

MEAN	7.68	7.60	7.81	7.71	7.62	7.68	7.65	7.47	7.73	7.79	7.74	7.67
MAX	7.94	7.77	8.52	8.23	7.95	8.23	8.08	7.95	8.78	8.66	8.19	8.36
(WY)	(2004)	(2001)	(1983)	(1983)	(1983)	(2004)	(2004)	(1985)	(1985)	(1985)	(2004)	(2004)
MIN	7.32	7.34	7.26	6.96	6.99	6.83	6.89	6.88	7.00	7.35	7.41	7.22
(WY)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(2002)	(2002)	(2002)	(2002)	(1985)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1983 - 2004	
ANNUAL TOTAL	2,789.8		2,900.4			
ANNUAL MEAN	7.64		7.92		7.65	
HIGHEST ANNUAL MEAN					7.98	1985
LOWEST ANNUAL MEAN					7.24	1984
HIGHEST DAILY MEAN	8.4	Oct 17	9.3	Aug 23	9.3	Aug 23, 2004
LOWEST DAILY MEAN	6.9	Feb 28	7.2	Nov 7	6.7	Mar 18, 1984
ANNUAL SEVEN-DAY MINIMUM	6.9	Mar 12	7.3	Nov 5	6.7	Mar 30, 1984
MAXIMUM PEAK FLOW			10	July 21	10	Aug 5, 2004
MAXIMUM PEAK STAGE			1.97	Aug 5	2.24	Apr 2, 2000
ANNUAL RUNOFF (AC-FT)	5,530		5,750		5,540	
10 PERCENT EXCEEDS	8.0		8.4		8.1	
50 PERCENT EXCEEDS	7.7		7.9		7.6	
90 PERCENT EXCEEDS	7.3		7.4		7.0	

e Estimated

09415515 WATER CANYON CREEK NEAR PRESTON, NV

LOCATION.--Lat 38°59'16", long 114°57'27" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec. 13, T.13 N., R.62 E., White Pine County, Hydrologic Unit 15010011, on right bank, and 7 mi northeast of Preston.

DRAINAGE AREA.--11 mi^2.

PERIOD OF RECORD.--May 1983 to September 1987, March 1990 to December 1994, April 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,400 ft above sea level, from topographic map.

REMARKS.--Records poor. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 90 ft^3/s, August 16, 1984, gage height 5.92 ft; minimum daily discharge 0.01 ft^3/s, December 23, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1.8 ft^3/s, March 3, gage height, 4.36 ft; minimum daily discharge, 0.10 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	e0.92	e0.44	e0.10	e0.16	e0.60	0.82	0.65	0.50	e0.55	e0.50	0.49
2	0.97	e0.66	e0.44	e0.10	e0.16	0.62	0.89	0.62	0.53	e0.55	e0.50	0.51
3	0.99	e0.64	e0.43	e0.10	e0.16	0.65	0.80	0.54	0.62	e0.55	e0.50	0.56
4	0.99	e0.63	e0.40	e0.11	e0.16	0.60	0.70	0.67	e0.60	e0.55	e0.50	0.50
5	0.99	e0.62	e0.34	e0.11	e0.16	0.57	0.68	0.72	e0.60	e0.55	e0.50	0.51
6	1.0	e0.61	e0.27	e0.13	e0.16	0.58	0.82	0.80	e0.60	e0.55	e0.50	0.53
7	0.99	e0.59	e0.22	e0.15	e0.16	0.60	0.73	0.88	e0.60	e0.55	e0.50	0.51
8	0.96	e0.59	e0.17	e0.16	e0.16	0.61	0.62	0.83	e0.60	e0.55	e0.50	0.50
9	0.97	e0.58	e0.14	e0.18	e0.16	0.60	0.57	0.91	e0.60	e0.55	e0.50	0.49
10	0.98	e0.58	e0.14	e0.19	e0.16	0.58	0.58	0.92	e0.60	e0.55	e0.50	0.54
11	0.96	e0.58	e0.14	e0.20	e0.16	0.57	0.57	0.88	e0.60	e0.55	e0.50	0.54
12	0.94	e0.57	e0.14	e0.20	e0.17	0.57	0.55	0.77	e0.60	e0.55	e0.50	0.51
13	0.95	e0.57	e0.14	e0.20	e0.17	0.57	0.58	0.63	e0.60	e0.55	e0.50	0.51
14	0.97	e0.56	e0.14	e0.21	e0.18	0.57	0.55	0.55	e0.60	e0.55	e0.50	0.53
15	e0.96	e0.55	e0.14	e0.21	e0.19	0.56	0.59	0.50	e0.60	e0.55	e0.50	0.41
16	e0.95	e0.48	e0.15	e0.21	e0.22	0.58	0.58	0.46	e0.60	e0.55	e0.50	0.40
17	e0.95	e0.46	e0.16	e0.20	e0.25	0.60	0.61	0.46	e0.60	e0.55	e0.50	0.36
18	e0.93	e0.45	e0.17	e0.20	e0.29	0.64	0.63	0.51	e0.60	e0.55	e0.50	0.36
19	e0.93	e0.44	e0.18	e0.20	e0.33	0.75	0.63	0.50	e0.60	e0.55	e0.50	0.38
20	e0.91	e0.43	e0.19	e0.20	e0.37	0.83	0.57	0.45	e0.60	e0.55	e0.50	0.42
21	e0.91	e0.41	e0.20	e0.19	e0.40	0.86	0.51	0.50	e0.55	e0.55	e0.50	0.41
22	e0.91	e0.41	e0.20	e0.18	e0.42	0.91	0.55	0.62	e0.55	e0.55	e0.50	0.41
23	e0.90	e0.41	e0.19	e0.17	e0.44	0.88	0.57	0.59	e0.55	e0.55	e0.50	0.40
24	e0.90	e0.42	e0.17	e0.16	e0.47	0.78	0.52	0.50	e0.55	e0.55	e0.50	0.38
25	0.89	e0.42	e0.14	e0.16	e0.49	0.77	0.71	0.40	e0.55	e0.55	e0.50	0.37
26	0.90	e0.43	e0.12	e0.16	e0.50	0.79	0.71	0.35	e0.55	e0.55	0.60	0.36
27	0.90	e0.43	e0.11	e0.16	e0.52	0.77	0.72	0.33	e0.55	e0.55	0.48	0.35
28	0.91	e0.43	e0.10	e0.16	e0.53	0.77	0.74	0.51	e0.55	e0.55	0.43	0.34
29	0.91	e0.42	e0.10	e0.16	e0.55	0.75	0.82	0.51	e0.55	e0.55	0.42	0.36
30	0.92	e0.42	e0.10	e0.16	---	0.75	0.77	0.47	e0.55	e0.55	0.42	0.32
31	0.92	---	e0.10	e0.16	---	0.74	---	0.49	---	e0.55	0.45	---
TOTAL	29.26	15.71	6.07	5.18	8.25	21.02	19.69	18.52	17.35	17.05	15.30	13.26
MEAN	0.94	0.52	0.20	0.17	0.28	0.68	0.66	0.60	0.58	0.55	0.49	0.44
MAX	1.0	0.92	0.44	0.21	0.55	0.91	0.89	0.92	0.62	0.55	0.60	0.56
MIN	0.89	0.41	0.10	0.10	0.16	0.56	0.51	0.33	0.50	0.55	0.42	0.32
AC-FT	58	31	12	10	16	42	39	37	34	34	30	26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004, BY WATER YEAR (WY)

MEAN	2.37	1.75	1.47	1.32	1.22	1.55	1.59	1.38	1.96	2.32	2.27	2.17
MAX	5.97	4.08	3.37	2.67	2.68	3.72	3.55	4.00	7.22	10.8	9.14	7.43
(WY)	(1984)	(1984)	(1984)	(1984)	(1984)	(1986)	(1986)	(1986)	(1983)	(1983)	(1983)	(1983)
MIN	0.47	0.48	0.13	0.17	0.28	0.38	0.37	0.24	0.41	0.38	0.46	0.42
(WY)	(1991)	(1993)	(1991)	(2004)	(2004)	(1992)	(1990)	(1991)	(1991)	(1991)	(1992)	(1990)

09415515 WATER CANYON CREEK NEAR PRESTON, NV—Continued

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 1983 - 2004	
ANNUAL TOTAL	186.66			
ANNUAL MEAN	0.51		1.68	
HIGHEST ANNUAL MEAN			3.98	1984
LOWEST ANNUAL MEAN			0.43	1991
HIGHEST DAILY MEAN	1.0	Oct 1	16	Jul 30, 1983
LOWEST DAILY MEAN	0.10	Dec 28	0.01	Dec 23, 1990
ANNUAL SEVEN-DAY MINIMUM	0.10	Dec 28	0.02	Dec 22, 1990
MAXIMUM PEAK FLOW	1.8	Mar 3	90	Aug 16, 1984
MAXIMUM PEAK STAGE	4.36	Mar 3	5.92	Aug 16, 1984
ANNUAL RUNOFF (AC-FT)	370		1,220	
10 PERCENT EXCEEDS	0.88		3.8	
50 PERCENT EXCEEDS	0.54		1.0	
90 PERCENT EXCEEDS	0.16		0.36	

e Estimated

09415550 WHITE RIVER NEAR LUND, NV

LOCATION.--Lat 38°38'17", long 115°05'32" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec. 14, T.09 N., R.61 E., Nye County, Hydrologic Unit 15010011, on right bank, 1 mi west of Hardy Springs, and 17 mi south of Lund.

DRAINAGE AREA.--703 mi^2.

PERIOD OF RECORD.--September 1990 to September 1994, December 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,300 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44 ft^3/s, March 3, 2000, gage height, 2.24 ft; no flow many days, most years.

EXTREMES FOR CURRENT YEAR.--No flow during the year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	0.00	0.00	0.00	0.00	0.42	3.05	0.28	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	1.42	11.7	1.46	0.00	0.02	0.00	0.00	0.00
(WY)	(2001)	(1991)	(1991)	(1991)	(2000)	(2000)	(1993)	(1991)	(1993)	(1991)	(1991)	(1991)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1991)	(1991)	(1991)	(1991)	(1991)	(1994)	(1991)	(1991)	(1991)	(1991)	(1991)	(1991)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	0.00		0.00			
ANNUAL MEAN	0.00		0.00		0.22	
HIGHEST ANNUAL MEAN					1.00	1993
LOWEST ANNUAL MEAN					0.00	1994
HIGHEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	42	Mar 10, 2000
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1990
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1990
MAXIMUM PEAK FLOW					44	Mar 3, 2000
MAXIMUM PEAK STAGE					3.26	Mar 8, 1993
ANNUAL RUNOFF (AC-FT)	0.00		0.00		157	
10 PERCENT EXCEEDS	0.00		0.00		0.00	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

09415589 CRYSTAL SPRING DIVERSION NEAR HIKO, NV

LOCATION (REVISED).--Lat 37°31'54.7", long 115°14'00.4" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec. 10, T.05 S., R.60 E., Lincoln County, Hydrologic Unit 15010011, Diversion gage is located on left bank 250 ft southeast of the main gage and flume.

PERIOD OF RECORD.--May 2004 to September 2004.

REMARKS.--Record fair except for estimated daily discharge, which is poor. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge during period May to September, 8.7 ft^3/s, Sept. 13, 2004, gage height, 7.71 ft; no flow, many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8.7 ft^3/s, September 13, gage height, 7.71 ft; minimum daily discharge, 0.00 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	0.00	0.00	0.00	8.5
2	---	---	---	---	---	---	---	---	0.00	0.00	0.00	8.5
3	---	---	---	---	---	---	---	---	0.00	0.00	5.8	5.9
4	---	---	---	---	---	---	---	---	0.00	0.00	8.4	0.25
5	---	---	---	---	---	---	---	---	3.8	0.00	8.4	0.05
6	---	---	---	---	---	---	---	---	8.0	0.00	8.3	0.05
7	---	---	---	---	---	---	---	---	8.0	0.00	5.5	0.05
8	---	---	---	---	---	---	---	---	8.0	0.00	0.19	0.05
9	---	---	---	---	---	---	---	---	e8.0	0.00	0.04	0.05
10	---	---	---	---	---	---	---	---	e5.0	0.00	0.04	0.05
11	---	---	---	---	---	---	---	---	e0.00	0.00	0.04	0.05
12	---	---	---	---	---	---	---	---	e0.00	0.00	0.04	3.9
13	---	---	---	---	---	---	---	---	e0.00	0.00	0.02	8.6
14	---	---	---	---	---	---	---	---	e0.00	0.00	0.00	6.8
15	---	---	---	---	---	---	---	---	0.00	0.00	0.00	6.2
16	---	---	---	---	---	---	---	---	0.00	0.00	0.01	6.1
17	---	---	---	---	---	---	---	---	0.00	0.00	0.00	2.0
18	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.05
19	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.04
20	---	---	---	---	---	---	---	---	0.00	6.4	0.00	0.02
21	---	---	---	---	---	---	---	---	0.00	6.3	0.00	0.00
22	---	---	---	---	---	---	---	---	0.00	7.8	0.00	0.01
23	---	---	---	---	---	---	---	---	0.00	8.2	0.00	0.01
24	---	---	---	---	---	---	---	0.00	0.00	8.2	0.00	0.01
25	---	---	---	---	---	---	---	0.00	0.00	1.2	0.00	0.01
26	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.01
27	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.01
28	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
29	---	---	---	---	---	---	---	0.00	0.00	0.00	1.1	0.00
30	---	---	---	---	---	---	---	0.00	0.00	0.00	8.3	0.00
31	---	---	---	---	---	---	---	0.00	---	0.00	8.5	---
TOTAL	---	---	---	---	---	---	---	---	40.80	38.10	54.68	57.27
MEAN	---	---	---	---	---	---	---	---	1.36	1.23	1.76	1.91
MAX	---	---	---	---	---	---	---	---	8.0	8.2	8.5	8.6
MIN	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
AC-FT	---	---	---	---	---	---	---	---	81	76	108	114

e Estimated

09415590 CRYSTAL SPRING NEAR HIKO, NV

LOCATION.--Lat 37°31'55", long 115°13'54" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec. 10, T.05 S., R.60 E., Lincoln County, Hydrologic Unit 15010011, on right bank, 75 ft south of State Highway 25, 200 ft southeast of junction of State Highway 38, and 4.5 mi south of Hiko.

PERIOD OF RECORD.--September 1985 to September 1988, March 1990 to September 1994, December 1998 to current year.

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 3,800 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversion for irrigation above station. New flume installed March 31, 2004 at datum 10.00 ft lower. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22 ft^3/s, July 25, 2004, gage height, 11.11 ft; minimum daily, 1.0 ft^3/s, September 24, 27, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 22 ft^3/s, July 25, gage height, 11.11 ft; minimum daily discharge, 2.3 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	12	12	13	13	13	2.4	13	13	14	14	3.2
2	13	12	12	13	13	13	2.4	13	13	14	14	3.2
3	13	12	13	13	13	13	2.3	13	13	14	7.3	6.8
4	13	12	13	13	13	13	2.3	13	13	14	4.4	13
5	13	12	13	13	13	13	8.7	e4.7	8.0	14	3.7	13
6	13	12	12	13	13	13	12	3.1	3.3	14	2.5	13
7	13	12	12	13	13	13	12	3.3	3.4	14	6.6	13
8	13	12	6.6	13	13	13	12	3.3	3.5	14	12	13
9	13	12	3.8	13	13	7.8	12	3.1	e4.4	14	12	13
10	13	12	3.7	13	13	11	12	2.9	e7.0	14	12	13
11	13	12	e3.9	13	13	13	12	8.4	e11	14	12	13
12	12	12	4.0	13	13	13	12	12	e12	14	12	8.1
13	12	12	3.9	13	13	13	12	12	e13	14	12	2.8
14	12	12	4.0	13	13	13	12	e12	e13	14	12	6.8
15	12	12	10	13	13	13	12	e12	14	14	12	7.8
16	12	13	13	13	13	13	12	e12	14	14	12	8.2
17	12	12	13	13	13	13	12	e12	14	14	12	12
18	12	12	13	13	13	13	6.6	e12	14	14	13	13
19	12	12	13	13	13	e13	2.4	e12	14	14	13	13
20	12	13	13	13	13	e11	2.3	12	14	12	13	13
21	12	13	13	13	13	e9.0	2.3	12	14	9.7	13	13
22	e12	12	13	13	13	e6.0	2.3	12	14	6.1	13	13
23	e12	12	13	13	13	e5.4	2.3	12	14	4.3	13	13
24	e12	12	13	13	13	e4.4	2.3	12	14	4.4	13	13
25	e12	13	13	13	13	e4.0	2.3	12	14	12	13	13
26	e12	12	13	13	13	e3.7	9.8	12	14	15	13	13
27	e12	12	13	13	13	e3.1	12	12	14	15	13	13
28	e12	12	13	13	13	e2.7	12	12	14	15	13	13
29	e12	12	13	13	13	e2.5	13	12	14	14	11	13
30	12	12	13	13	---	e2.4	13	13	14	14	3.4	14
31	12	---	13	13	---	2.4	---	13	---	14	3.0	---
TOTAL	383	364	334.9	403	377	296.4	244.7	322.8	354.6	401.5	332.9	332.9
MEAN	12.4	12.1	10.8	13.0	13.0	9.56	8.16	10.4	11.8	13.0	10.7	11.1
MAX	13	13	13	13	13	13	13	13	14	15	14	14
MIN	12	12	3.7	13	13	2.4	2.3	2.9	3.3	4.3	2.5	2.8
AC-FT	760	722	664	799	748	588	485	640	703	796	660	660

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	9.92	10.6	11.0	11.4	10.8	9.86	9.72	9.94	8.67	9.62	9.67	9.70
MAX	12.4	13.0	13.9	13.2	13.0	13.0	12.8	12.0	11.8	13.0	11.3	11.7
(WY)	(2004)	(2001)	(2002)	(2002)	(2003)	(2000)	(2001)	(2002)	(2004)	(2004)	(2002)	(1986)
MIN	5.73	7.21	7.85	8.49	8.33	7.60	6.79	7.60	4.96	5.70	7.45	4.85
(WY)	(1992)	(1987)	(1991)	(1992)	(1992)	(1992)	(1992)	(1993)	(1992)	(1992)	(1988)	(1991)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	4,145.2		4,147.7			
ANNUAL MEAN	11.4		11.3		10.1	
HIGHEST ANNUAL MEAN					11.6	2001
LOWEST ANNUAL MEAN					7.29	1992
HIGHEST DAILY MEAN	13	Jan 1	15	Jul 26	15	Jul 26, 2004
LOWEST DAILY MEAN	3.3	Jun 10	2.3	Apr 3	1.0	Sep 24, 1991
ANNUAL SEVEN-DAY MINIMUM	3.4	Jun 8	2.3	Apr 19	1.5	Jun 13, 1991
MAXIMUM PEAK FLOW			22	Jul 25	22	Jul 25, 2004
MAXIMUM PEAK STAGE			11.11	Jul 25	11.11	Jul 25, 2004
ANNUAL RUNOFF (AC-FT)	8,220		8,230		7,320	
10 PERCENT EXCEEDS	13		14		13	
50 PERCENT EXCEEDS	13		13		11	
90 PERCENT EXCEEDS	6.1		4.0		4.2	

e Estimated

09415640 ASH SPRINGS CREEK BELOW HIGHWAY 93 AT ASH SPRINGS, NV

LOCATION.--Lat 37°27'37", long 115°11'37" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 01, T.06 S., R.60 E., Lincoln County, Hydrologic Unit 15010011, on left bank, downstream of culvert at US Highway 93 and .2 mi southeast of Ash Springs.

PERIOD OF RECORD.--February 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,589.94 ft above National American Vertical Datum of 1988.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversion for irrigation above station. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37 ft^3/s, May 16, 2004, gage height, 4.55 ft, result of diversion control; minimum daily, 7.2 ft^3/s, May 18, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37 ft^3/s, May 16, gage height, 4.55 ft; minimum daily discharge, 8.2 ft^3/s, June 29.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	14	13	12	16	18	19	e16	17	16	15	15
2	15	14	13	12	e16	18	19	e15	16	15	13	15
3	15	14	13	12	e16	18	16	14	17	15	12	15
4	15	14	12	12	16	e18	14	14	16	15	16	15
5	15	14	12	13	16	e19	14	14	10	15	15	15
6	15	13	12	13	16	19	13	15	9.4	15	15	15
7	15	14	12	13	16	19	16	14	14	15	15	15
8	15	13	12	14	e16	19	19	13	16	15	15	16
9	15	13	12	14	e16	19	19	13	16	15	15	16
10	15	13	12	15	e16	19	18	14	15	15	15	16
11	15	14	e13	15	e17	19	19	13	15	15	16	16
12	15	14	13	15	e17	19	19	13	15	15	16	16
13	15	14	13	15	e17	19	18	13	16	15	16	16
14	15	14	13	16	e17	19	18	13	15	15	16	16
15	15	13	13	16	e17	19	18	16	15	15	16	e16
16	15	14	13	16	e17	19	17	14	15	15	16	e16
17	15	14	13	16	e17	18	17	18	15	15	16	e16
18	15	13	13	16	e17	19	17	18	15	15	17	e16
19	15	13	12	16	e17	18	17	18	15	15	16	e16
20	15	13	12	16	e17	18	17	18	15	15	16	e16
21	15	13	12	16	e17	18	18	17	15	15	16	16
22	15	13	12	16	e17	19	18	17	15	15	16	16
23	15	13	12	e16	17	19	18	18	15	15	16	16
24	14	13	12	e16	17	19	17	17	15	15	16	16
25	12	13	12	e16	17	19	17	17	15	15	16	16
26	12	13	12	e16	18	19	17	16	15	15	16	16
27	14	13	12	16	e18	19	17	16	14	15	16	15
28	16	13	12	16	e18	19	17	16	8.8	15	12	16
29	15	13	12	16	18	18	18	16	8.2	15	12	16
30	14	13	12	16	---	19	17	17	11	15	16	17
31	14	---	12	16	---	19	---	17	---	15	16	---
TOTAL	456	402	383	463	487	580	518	480	429.4	466	475	473
MEAN	14.7	13.4	12.4	14.9	16.8	18.7	17.3	15.5	14.3	15.0	15.3	15.8
MAX	16	14	13	16	18	19	19	18	17	16	17	17
MIN	12	13	12	12	16	18	13	13	8.2	15	12	15
AC-FT	904	797	760	918	966	1,150	1,030	952	852	924	942	938

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	14.9	13.9	13.6	14.3	15.4	15.5	15.0	14.6	15.0	14.9	15.0	15.3
MAX	16.3	14.8	14.9	15.7	16.8	18.7	17.3	16.4	16.8	16.0	15.8	16.4
(WY)	(2001)	(2002)	(2003)	(2003)	(2004)	(2004)	(2004)	(2001)	(2001)	(2000)	(1999)	(2000)
MIN	13.4	12.9	12.4	12.4	14.0	14.2	13.4	13.3	13.7	13.7	14.3	14.3
(WY)	(2002)	(2003)	(2004)	(2002)	(2002)	(2002)	(2002)	(1999)	(1999)	(1999)	(2001)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	5,285.7		5,612.4			
ANNUAL MEAN	14.5		15.3		14.8	
HIGHEST ANNUAL MEAN					15.4	2001
LOWEST ANNUAL MEAN					13.9	2002
HIGHEST DAILY MEAN	16	Jan 4	19	Mar 5	19	Mar 5, 2004
LOWEST DAILY MEAN	9.7	Sep 13	8.2	Jun 29	7.2	May 18, 2002
ANNUAL SEVEN-DAY MINIMUM	12	Mar 1	12	Dec 4	11	Jan 27, 2002
MAXIMUM PEAK FLOW			37	May 16	37	May 16, 2004
MAXIMUM PEAK STAGE			4.55	May 16	4.57	Jul 13, 2000
ANNUAL RUNOFF (AC-FT)	10,480		11,130		10,730	
10 PERCENT EXCEEDS	16		18		17	
50 PERCENT EXCEEDS	15		15		15	
90 PERCENT EXCEEDS	12		13		12	

e Estimated

09415900 MUDDY SPRING AT LDS FARM NEAR MOAPA, NV

LOCATION.--Lat 36°43'18", long 114°42'53" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec. 16, T.14 S., R.65 E., Clark County, Hydrologic Unit 15010012, on left bank, 0.1 mi downstream from L.D.S. mansion, and 6 mi northwest of Moapa.

PERIOD OF RECORD.--August 1985 to September 1994, June 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,770 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Regulation for recreational purposes occurs 0.1 mi upstream.
See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41 ft^3/s, February 23, 2002, gage height, 2.18 ft; the gage was submerged by backwater and over bank flow from Muddy River on August 15, 1990, discharge and gage height unknown; minimum daily, 5.9 ft^3/s, May 10, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31 ft^3/s, August 28, gage height, 1.77 ft; minimum daily discharge, 6.7 ft^3/s, October 6, 13.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	7.6	7.5	7.6	8.8	7.7	7.5	8.3	7.8	7.8	8.4	8.1
2	7.2	7.4	7.6	7.9	7.5	8.1	7.5	8.5	7.5	7.5	7.4	8.1
3	7.5	7.4	7.7	8.2	8.0	8.1	8.3	7.4	7.7	7.9	8.0	8.0
4	7.2	7.4	7.6	7.8	8.0	8.1	8.1	7.9	7.4	8.2	7.9	8.8
5	7.9	7.3	7.9	8.0	7.9	8.1	7.0	8.0	8.3	7.1	8.0	8.9
6	6.7	7.4	8.6	8.1	7.9	8.8	7.4	8.0	8.3	7.6	8.0	7.6
7	7.2	7.0	8.7	8.1	8.9	8.8	7.4	7.9	7.2	7.6	8.9	8.1
8	7.2	8.2	7.9	8.1	8.7	7.7	7.5	8.5	7.6	7.6	8.9	8.1
9	7.2	8.1	7.9	8.1	7.5	8.1	7.5	8.8	7.4	7.7	7.8	8.1
10	7.2	6.9	7.9	8.8	8.3	8.1	8.3	7.6	7.5	8.4	8.2	8.1
11	7.9	7.7	7.6	8.8	8.0	8.1	8.7	7.9	7.5	8.4	8.2	8.9
12	7.9	7.4	7.9	7.5	7.7	8.2	7.6	8.2	7.8	7.2	8.2	9.0
13	6.7	7.4	8.8	8.0	7.4	8.9	8.0	7.9	8.3	7.6	8.2	7.8
14	7.2	7.1	8.6	8.0	8.7	8.8	8.0	7.6	7.0	7.6	9.0	8.3
15	7.2	8.0	8.0	8.0	8.5	7.7	8.1	8.1	7.5	7.7	9.0	8.3
16	7.2	8.2	8.1	8.0	7.4	8.1	8.0	8.4	7.4	7.8	7.7	8.2
17	7.2	7.3	8.0	8.0	8.3	8.1	8.7	7.2	7.4	8.6	8.2	8.2
18	7.5	7.4	8.0	8.0	8.1	8.1	8.7	7.6	7.4	8.6	8.2	8.9
19	8.2	7.4	8.0	8.0	8.1	8.1	7.6	7.6	8.1	7.4	8.3	8.9
20	6.9	7.5	8.1	7.9	7.7	8.8	8.0	7.6	8.2	7.8	8.3	7.7
21	7.3	7.4	8.1	7.9	9.0	8.8	8.1	7.6	7.0	7.8	8.9	8.1
22	7.4	7.3	8.0	8.0	8.8	7.6	8.1	8.2	7.4	7.8	9.0	8.1
23	7.3	7.4	8.1	7.9	7.6	8.1	8.1	8.3	7.4	7.8	7.7	8.2
24	7.4	7.4	7.9	8.3	8.1	8.1	8.7	7.3	7.4	8.5	8.3	8.1
25	8.1	7.5	7.9	8.6	8.1	8.1	8.8	7.7	7.4	8.7	8.2	8.9
26	8.0	7.2	7.6	7.5	8.1	8.1	7.5	7.7	8.0	7.4	8.3	8.9
27	6.9	7.5	8.3	7.9	8.1	8.6	8.2	7.6	8.2	8.2	8.2	7.7
28	7.6	7.6	8.5	7.9	8.7	8.1	7.6	7.6	7.0	8.0	8.8	8.0
29	7.3	8.2	7.9	8.0	8.8	7.0	7.8	7.9	7.5	7.6	8.8	8.0
30	7.2	8.3	8.0	8.1	---	7.4	8.0	8.3	7.4	7.9	7.6	8.0
31	7.8	---	8.0	9.0	---	7.4	---	7.1	---	8.6	8.1	---
TOTAL	228.7	225.9	248.7	250.0	236.7	251.8	238.8	244.3	228.0	244.4	256.7	248.1
MEAN	7.38	7.53	8.02	8.06	8.16	8.12	7.96	7.88	7.60	7.88	8.28	8.27
MAX	8.2	8.3	8.8	9.0	9.0	8.9	8.8	8.8	8.3	8.7	9.0	9.0
MIN	6.7	6.9	7.5	7.5	7.4	7.0	7.0	7.1	7.0	7.1	7.4	7.6
AC-FT	454	448	493	496	469	499	474	485	452	485	509	492

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	7.75	7.76	7.78	7.83	7.88	7.87	7.84	7.74	7.69	7.63	7.67	7.73
MAX	8.36	8.43	8.42	8.48	9.22	8.62	8.53	8.44	8.44	8.39	8.42	8.40
(WY)	(2000)	(2000)	(2000)	(2002)	(1993)	(2000)	(2001)	(1999)	(1998)	(1999)	(2002)	(1999)
MIN	6.97	7.07	6.70	6.93	6.85	7.02	6.98	6.69	6.64	6.43	6.58	6.57
(WY)	(1989)	(1989)	(1991)	(1991)	(1991)	(1991)	(1993)	(1993)	(1993)	(1993)	(1993)	(1993)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	2,798.6		2,902.1			
ANNUAL MEAN	7.67		7.93		7.76	
HIGHEST ANNUAL MEAN					8.44	1999
LOWEST ANNUAL MEAN					7.18	1991
HIGHEST DAILY MEAN	9.4	Apr 5	9.0	Jan 31	10	Jan 25, 1993
LOWEST DAILY MEAN	6.5	Feb 3	6.7	Oct 6	5.9	May 10, 1993
ANNUAL SEVEN-DAY MINIMUM	6.7	Jan 25	7.2	Oct 4	6.2	May 5, 1993
MAXIMUM PEAK FLOW			31	Aug 28	41	Feb 23, 2002
MAXIMUM PEAK STAGE			1.77	Aug 28	2.18	Feb 23, 2002
ANNUAL RUNOFF (AC-FT)	5,550		5,760		5,620	
10 PERCENT EXCEEDS	8.4		8.7		8.5	
50 PERCENT EXCEEDS	7.6		8.0		7.7	
90 PERCENT EXCEEDS	6.9		7.3		7.0	

09415908 PEDERSON EAST SPRING NEAR MOAPA, NV

LOCATION.--Lat 36°42'33.83", long 114°42'56.33" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 21, T.14 S., R.65 E., Clark County, Hydrologic Unit 15010012, at U.S. Fish and Wildlife Station, 0.2 mi north of Battleship Wash, 2.0 mi west of State Highway 168, and 5.8 mi northwest of Moapa.

PERIOD OF RECORD.--May 2002 to current year.

GAGE.--Water-stage recorder and 45 V-notch weir. Elevation of gage is 1,800 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 0.24 ft^3/s, many days in 2002 and 2003; minimum daily discharge 0.16 ft^3/s on August 25-27, September 10, 11, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 0.23 ft^3/s, on several days, gage height, 0.36 ft; minimum daily discharge, 0.16 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.17	0.20	0.20	0.21	0.20	0.20	0.20	0.20	0.20	0.20	0.18	0.17
2	0.18	0.20	0.20	0.21	0.20	0.21	0.20	0.20	0.20	0.20	0.18	0.17
3	0.18	0.20	0.20	0.21	0.20	0.20	0.19	0.20	0.20	0.20	0.17	0.17
4	0.17	0.19	0.20	0.21	0.20	0.21	0.19	0.20	0.20	0.18	0.17	0.18
5	0.18	0.19	0.20	0.21	0.20	0.20	0.20	0.20	0.20	0.18	0.18	0.18
6	0.18	0.20	0.20	0.21	0.20	0.20	0.21	0.21	0.20	0.18	0.18	0.18
7	0.18	0.19	0.20	0.21	0.20	0.20	0.21	0.20	0.20	0.18	0.17	0.17
8	0.17	0.18	0.20	0.21	0.20	0.20	0.20	0.21	0.20	0.18	0.17	0.17
9	0.18	0.18	0.20	0.21	0.20	0.20	0.20	0.21	0.20	0.18	0.17	0.17
10	0.18	0.19	0.20	0.21	0.19	0.20	0.20	0.20	0.21	0.18	0.17	0.18
11	0.17	0.20	0.20	0.21	0.19	0.20	0.20	0.20	0.20	0.18	0.17	0.18
12	0.17	0.19	0.20	0.21	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.16
13	0.17	0.20	0.20	0.21	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.17
14	0.17	0.20	0.20	0.21	0.20	0.20	0.20	0.20	0.20	0.19	0.16	0.16
15	0.17	0.20	e0.20	0.21	0.20	0.20	0.20	0.20	0.20	0.19	0.17	0.16
16	0.17	0.20	e0.20	0.21	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.16
17	0.17	0.20	e0.20	0.21	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.16
18	0.17	0.20	e0.20	0.21	0.20	0.20	0.19	0.20	0.20	0.18	0.17	0.16
19	0.17	0.20	e0.20	0.20	0.20	0.20	0.19	0.20	0.20	0.18	0.17	0.16
20	0.17	0.20	e0.20	0.20	0.20	0.19	0.20	0.20	0.20	0.18	0.17	0.16
21	0.17	0.20	e0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.17
22	0.19	0.20	e0.20	0.20	0.20	0.20	0.19	0.20	0.20	0.18	0.17	0.17
23	0.19	0.20	e0.20	0.20	0.20	0.20	0.19	0.20	0.20	0.18	0.17	0.17
24	0.19	0.20	e0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.17	0.17	0.17
25	0.18	0.20	0.20	0.20	0.20	0.20	0.19	0.20	0.20	0.17	0.17	0.16
26	0.18	0.20	0.21	0.20	0.20	0.20	0.19	0.20	0.20	0.17	0.17	0.16
27	0.18	0.20	0.21	0.20	0.20	0.19	0.20	0.20	0.20	0.17	0.17	0.16
28	0.19	0.20	0.21	0.20	0.20	0.18	0.21	0.20	0.20	0.17	0.17	0.16
29	0.20	0.20	0.21	0.20	0.20	0.19	0.20	0.20	0.20	0.17	0.17	0.16
30	0.20	0.20	0.21	0.20	---	0.19	0.20	0.20	0.20	0.17	0.17	0.16
31	0.20	---	0.21	0.20	---	0.20	---	0.20	---	0.17	0.17	---
TOTAL	5.54	5.91	6.26	6.38	5.78	6.16	5.95	6.23	6.01	5.58	5.30	5.01
MEAN	0.18	0.20	0.20	0.21	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.17
MAX	0.20	0.20	0.21	0.21	0.20	0.21	0.21	0.21	0.21	0.20	0.18	0.18
MIN	0.17	0.18	0.20	0.20	0.19	0.18	0.19	0.20	0.20	0.17	0.16	0.16
AC-FT	11	12	12	13	11	12	12	12	12	11	11	9.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	0.20	0.21	0.22	0.22	0.22	0.21	0.20	0.20	0.20	0.19	0.18	0.18
MAX	0.23	0.23	0.23	0.23	0.24	0.22	0.21	0.20	0.22	0.22	0.21	0.20
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2002)	(2002)	(2002)	(2002)
MIN	0.18	0.20	0.20	0.21	0.20	0.20	0.20	0.19	0.17	0.17	0.17	0.17
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2004)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	71.23		70.11			
ANNUAL MEAN	0.20		0.19		0.20	
HIGHEST ANNUAL MEAN					0.21	2003
LOWEST ANNUAL MEAN					0.19	2004
HIGHEST DAILY MEAN	0.24	Feb 2	0.21	Dec 26	0.24	Nov 9, 2002
LOWEST DAILY MEAN	0.16	Aug 25	0.16	Aug 14	0.16	Aug 25, 2003
ANNUAL SEVEN-DAY MINIMUM	0.17	Aug 21	0.16	Sep 14	0.16	Sep 14, 2004
MAXIMUM PEAK FLOW			0.23	Nov 7		
MAXIMUM PEAK STAGE			0.36	Nov 7		
ANNUAL RUNOFF (AC-FT)	141		139		144	
10 PERCENT EXCEEDS	0.23		0.20		0.23	
50 PERCENT EXCEEDS	0.20		0.20		0.20	
90 PERCENT EXCEEDS	0.17		0.17		0.17	

e Estimated

09415910 PEDERSON SPRING NEAR MOAPA, NEVADA

LOCATION.--Lat 36°42'35", long 114°42'54" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 21, T.14 S., R.65 E., Clark County, Hydrologic Unit 15010012, at U.S. Fish and Wildlife Station, 0.2 mi north of Battleship Wash, 2.0 mi west of State Highway 168, and 5.8 mi northwest of Moapa.

PERIOD OF RECORD.--October 1986 to September 1994, June 1996 to current year.

GAGE.--Water-stage recorder and 45° V-notch weir. Elevation of gage is 1,800 ft above National Geodetic Vertical Datum of 1929, from topographic map. New V-notch weir and gage installed April 27, 2004 at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. New installation necessary due to leakage under V-notch weir. See schematic diagram of Lower Colorado River Basins.

COOPERATION.--Southern Nevada Water Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 0.34 ft^3/s, August 30, 1992, gage height, 0.64 ft; minimum daily, 0.09 ft^3/s, gage height 0.36 ft, March 6, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 0.25 ft^3/s, May 14-19, 31 and July 8, gage height, 4.92 ft; minimum daily discharge, 0.09 ft^3/s, March 6.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.11	0.12	e0.11	0.10	0.10	0.10	0.14	e0.24	0.24	0.22	0.21	0.19
2	e0.11	0.11	e0.11	0.11	0.10	0.10	0.14	e0.24	0.23	0.23	0.21	0.19
3	0.11	e0.12	e0.11	0.10	0.11	0.10	0.13	e0.24	0.23	0.23	0.21	0.19
4	0.10	e0.11	0.11	0.10	0.10	0.11	0.14	e0.24	0.23	0.22	0.21	0.18
5	0.10	e0.11	0.11	0.10	0.10	0.10	0.14	e0.24	0.23	0.21	0.20	0.19
6	0.10	e0.11	0.11	0.10	0.10	0.09	0.13	0.24	0.23	0.21	0.20	0.19
7	0.11	0.11	0.12	0.10	0.10	0.10	0.12	0.25	0.23	0.22	0.20	0.19
8	0.10	0.10	0.11	0.10	0.10	0.10	0.12	0.25	0.23	0.23	0.20	0.19
9	0.11	0.10	0.11	0.10	0.10	0.11	0.12	e0.25	0.22	0.21	0.20	0.19
10	0.11	0.10	0.11	0.11	0.10	0.11	0.12	e0.25	0.22	0.21	0.20	0.19
11	0.10	0.11	0.11	e0.11	0.10	0.11	0.12	e0.25	0.22	0.21	0.20	0.19
12	0.10	0.12	0.11	0.11	0.10	0.11	0.13	e0.25	0.22	0.21	0.20	0.19
13	0.10	0.11	0.11	0.11	0.10	0.11	0.13	0.25	0.22	0.21	0.19	0.19
14	0.11	0.11	0.11	0.11	0.11	0.11	0.13	0.24	0.23	0.21	0.19	0.19
15	0.11	0.12	0.10	0.11	0.11	0.11	0.14	0.24	0.22	0.21	0.19	0.19
16	0.10	0.11	0.10	0.11	0.10	0.11	0.13	0.24	0.22	0.21	0.19	0.19
17	0.10	0.11	0.10	0.11	0.10	0.11	0.13	0.25	0.22	0.21	0.20	0.19
18	0.10	0.11	0.11	0.11	0.11	0.11	0.13	0.24	0.22	0.21	0.20	0.19
19	0.11	0.11	0.11	0.11	0.11	0.12	0.13	0.24	0.22	0.21	0.20	0.19
20	0.10	e0.11	0.11	0.11	0.11	0.12	0.14	0.23	0.22	0.21	0.20	0.18
21	0.10	e0.11	0.11	0.11	0.11	0.12	0.14	0.23	0.22	0.21	0.20	0.18
22	0.11	e0.11	0.10	0.11	0.11	0.12	0.14	0.23	0.22	0.21	0.21	0.18
23	0.11	e0.11	0.11	0.11	0.11	0.12	0.14	0.23	0.22	0.21	0.20	0.19
24	0.11	e0.11	0.11	0.11	0.10	0.12	0.14	0.23	0.22	0.20	0.20	0.19
25	0.10	e0.11	0.11	0.11	0.10	0.12	0.14	0.23	0.22	0.20	0.20	0.19
26	0.10	e0.11	0.11	0.10	0.11	0.12	e0.14	0.23	0.22	0.20	0.20	0.19
27	0.11	e0.11	0.10	0.10	0.11	0.12	e0.24	0.23	0.22	0.20	0.19	0.19
28	0.11	e0.11	0.10	0.10	0.10	0.11	e0.24	0.24	0.22	0.20	0.19	0.19
29	0.12	e0.11	0.10	0.10	0.10	0.12	e0.24	0.23	0.22	0.20	0.19	0.19
30	e0.12	e0.11	0.11	0.11	---	0.12	e0.24	0.23	0.22	0.20	0.19	0.19
31	e0.12	---	0.11	0.11	---	0.13	---	0.24	---	0.20	0.19	---
TOTAL	3.30	3.31	3.35	3.29	3.01	3.46	4.41	7.42	6.70	6.52	6.16	5.66
MEAN	0.11	0.11	0.11	0.11	0.10	0.11	0.15	0.24	0.22	0.21	0.20	0.19
MAX	0.12	0.12	0.12	0.11	0.11	0.13	0.24	0.25	0.24	0.23	0.21	0.19
MIN	0.10	0.10	0.10	0.10	0.10	0.09	0.12	0.23	0.22	0.20	0.19	0.18
AC-FT	6.5	6.6	6.6	6.5	6.0	6.9	8.7	15	13	13	12	11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2004, BY WATER YEAR (WY)

MEAN	0.20	0.20	0.20	0.20	0.20	0.21	0.22	0.22	0.22	0.22	0.22	0.21
MAX	0.26	0.26	0.25	0.25	0.24	0.26	0.27	0.26	0.26	0.27	0.26	0.26
(WY)	(1998)	(1994)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1997)	(1997)
MIN	0.11	0.11	0.11	0.11	0.10	0.11	0.15	0.16	0.17	0.15	0.14	0.12
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)

09415910 PEDERSON SPRING NEAR MOAPA, NEVADA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1987 - 2004	
ANNUAL TOTAL	53.29		56.59			
ANNUAL MEAN	0.15		0.15		0.21	
HIGHEST ANNUAL MEAN					0.26	1998
LOWEST ANNUAL MEAN					0.15	2004
HIGHEST DAILY MEAN	0.18	Jan 1	0.25	May 7	0.28	Jun 19, 1993
LOWEST DAILY MEAN	0.10	Oct 4	0.09	Mar 6	0.09	Mar 6, 2004
ANNUAL SEVEN-DAY MINIMUM	0.10	Oct 11	0.10	Jan 3	0.10	Jan 3, 2004
MAXIMUM PEAK FLOW			0.25	May 14	0.32	Sep 11, 1998
MAXIMUM PEAK STAGE			4.92	May 14	4.92	May 14, 2004
ANNUAL RUNOFF (AC-FT)	106		112		152	
10 PERCENT EXCEEDS	0.17		0.23		0.25	
50 PERCENT EXCEEDS	0.16		0.12		0.21	
90 PERCENT EXCEEDS	0.11		0.10		0.18	

e Estimated

09415920 WARM SPRINGS WEST NEAR MOAPA, NV

LOCATION.--Lat 36°42'41", long 114°42'48" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 16, T.14 S., R.65 E., Clark County, Hydrologic Unit 15010012, on left bank, at U.S. Fish and Wildlife Station, 0.6 mi upstream from confluence with Muddy River, 1.9 mi west of State Highway 168, and 6.5 mi northwest of Moapa.

PERIOD OF RECORD.--August 1985 to September 1994, June 1996 to current year.

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 1,770 ft above National Geodetic Vertical Datum of 1929, from topographic map. At datum 0.38 ft higher prior to July 12, 1993.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversion for irrigation above station. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13 ft^3/s, May 15, 1990, gage height, 2.16 ft; minimum daily, 2.8 ft^3/s, September 28, 29, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8.4 ft^3/s, September 11, gage height, 1.63 ft; minimum daily discharge, 3.4 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.5	3.5	3.4
2	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	e3.6	3.5	3.5	3.4
3	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	e3.6	3.5	3.5	3.4
4	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	e3.6	3.5	3.5	3.4
5	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	e3.6	3.5	3.5	3.4
6	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6	e3.6	3.5	3.5	3.4
7	3.5	3.5	3.5	3.6	3.6	3.5	3.6	3.5	e3.6	3.5	3.5	3.4
8	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.5	e3.6	3.5	3.5	3.4
9	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.5	e3.6	3.5	3.5	3.4
10	3.5	3.5	3.5	3.6	3.6	3.6	3.5	3.5	e3.6	3.5	3.5	3.4
11	3.5	3.5	3.5	3.6	3.6	3.6	3.5	3.5	e3.6	3.5	3.5	3.6
12	3.5	3.5	3.5	3.6	3.5	3.6	3.6	3.5	e3.6	3.5	3.5	3.6
13	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.5	e3.6	3.5	3.4	3.6
14	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.5	e3.6	3.5	3.4	3.6
15	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.5	e3.6	3.5	3.4	3.6
16	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.5	e3.5	3.5	3.4	3.6
17	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.5	e3.5	3.5	3.4	3.6
18	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.5	e3.5	3.5	3.4	3.5
19	3.5	3.5	3.5	3.6	3.6	3.6	3.6	e3.6	e3.5	3.5	3.4	3.5
20	3.5	3.5	3.5	3.6	3.6	3.6	3.6	e3.6	e3.5	3.5	3.4	3.5
21	3.5	3.5	3.5	3.6	3.6	3.6	3.6	e3.7	e3.5	3.5	3.4	3.5
22	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7	e3.5	3.5	3.4	3.5
23	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7	e3.5	3.5	3.4	3.5
24	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7	e3.5	3.5	3.4	3.5
25	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7	e3.5	3.5	3.4	3.5
26	3.5	3.5	3.6	3.5	3.6	3.6	3.6	3.7	e3.5	3.5	3.4	3.5
27	3.5	3.5	3.5	3.6	3.6	3.5	3.6	3.6	e3.5	3.5	3.4	3.5
28	3.5	3.5	3.5	3.6	3.6	3.5	3.6	3.7	e3.5	3.5	3.4	3.5
29	3.5	3.5	3.5	3.6	3.6	3.5	3.6	3.6	e3.5	3.5	3.4	3.5
30	3.5	3.5	3.5	3.6	---	3.6	3.6	3.6	3.5	3.5	3.4	3.5
31	3.5	---	3.5	3.6	---	3.6	---	3.6	---	3.5	3.4	---
TOTAL	108.5	105.0	108.6	110.8	104.1	111.1	107.8	111.1	106.6	108.5	106.6	104.7
MEAN	3.50	3.50	3.50	3.57	3.59	3.58	3.59	3.58	3.55	3.50	3.44	3.49
MAX	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.5	3.5	3.6
MIN	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4
AC-FT	215	208	215	220	206	220	214	220	211	215	211	208

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	3.64	3.68	3.69	3.69	3.70	3.69	3.69	3.69	3.68	3.63	3.62	3.61
MAX	3.97	4.10	4.04	4.10	4.05	4.11	4.11	4.08	4.00	3.89	3.89	3.93
(WY)	(1994)	(1994)	(1994)	(1994)	(1994)	(1998)	(1998)	(1998)	(1998)	(1998)	(1990)	(1998)
MIN	3.20	3.37	3.34	3.30	3.31	3.23	3.14	3.12	3.20	3.19	3.17	3.29
(WY)	(1993)	(1993)	(1986)	(1988)	(1986)	(1992)	(1992)	(1992)	(1992)	(1992)	(1992)	(1993)

09415920 WARM SPRINGS WEST NEAR MOAPA, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	1,300.1		1,293.4			
ANNUAL MEAN	3.56		3.53		3.67	
HIGHEST ANNUAL MEAN					3.96	1998
LOWEST ANNUAL MEAN					3.38	1992
HIGHEST DAILY MEAN	3.7	Jan 26	3.7	May 21	4.4	Sep 11, 1998
LOWEST DAILY MEAN	3.5	Jun 5	3.4	Aug 13	2.8	Sep 28, 1993
ANNUAL SEVEN-DAY MINIMUM	3.5	Jun 9	3.4	Aug 13	3.0	May 12, 1992
MAXIMUM PEAK FLOW			8.4	Sep 11	13	May 15, 1990
MAXIMUM PEAK STAGE			1.63	Sep 11	2.16	May 15, 1990
ANNUAL RUNOFF (AC-FT)	2,580		2,570		2,660	
10 PERCENT EXCEEDS	3.7		3.6		4.0	
50 PERCENT EXCEEDS	3.5		3.5		3.7	
90 PERCENT EXCEEDS	3.5		3.5		3.4	

e Estimated

09415927 WARM SPRINGS CONFLUENCE AT IVERSON FLUME NEAR MOAPA, NV

LOCATION (REVISED).--Lat 36°42'41.1", long 114°42'31.7" referenced to North American Datum of 1927, in SW ¼ SW ¼ sec. 15, T.14 S., R.65 E., Clark County, Hydrologic Unit 15010012, on right bank, at U.S. Fish and Wildlife Station, 1.9 mi west of State Highway 168, and 6.5 mi northwest of Moapa.

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,780 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17.0 ft^3/s, September 11, 2004, gage height, 8.12 ft; minimum daily, 7.3 ft^3/s, several days, November and December 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17 ft^3/s, September 11, gage height, 8.12 ft; minimum daily discharge, 7.6 ft^3/s, May 20.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.3	8.8	8.9	9.1	9.3	9.8	9.3	8.6	8.4	7.7	8.0	8.1
2	8.3	8.8	9.0	9.2	9.3	10	9.4	8.6	8.4	7.7	8.1	8.1
3	8.3	8.8	9.1	9.1	9.5	9.9	9.2	8.8	8.3	7.7	8.1	8.0
4	8.3	8.8	9.1	9.0	9.5	9.8	9.2	9.0	8.3	7.8	8.1	8.0
5	8.4	8.8	9.2	9.0	9.5	9.7	9.2	8.9	8.4	7.8	8.1	8.0
6	8.4	8.8	9.2	9.0	9.5	9.7	9.2	8.9	8.4	7.9	8.1	8.0
7	8.4	8.8	9.3	9.0	9.6	9.7	9.3	8.9	8.4	7.9	8.2	8.0
8	8.4	8.9	9.3	9.0	9.5	9.7	9.3	8.9	8.4	8.0	8.2	8.0
9	8.4	8.9	9.3	8.9	9.5	9.9	9.3	8.8	8.3	7.9	8.2	8.0
10	8.4	8.8	9.4	8.9	9.5	9.8	9.2	8.7	8.3	8.0	8.2	8.2
11	8.4	8.7	9.4	9.0	9.5	9.7	9.1	8.8	8.3	8.0	8.3	8.9
12	8.4	8.8	9.4	9.1	9.5	9.7	9.1	8.8	8.2	8.0	8.2	8.5
13	8.4	8.9	9.4	9.1	9.5	9.6	9.1	8.9	8.3	7.9	8.2	8.2
14	8.4	8.8	9.4	9.1	9.6	9.5	9.0	9.0	8.3	7.9	8.2	8.2
15	8.5	8.9	9.5	9.1	9.5	9.6	8.9	8.9	8.4	7.9	8.3	8.2
16	8.5	8.9	9.1	9.1	9.4	9.6	8.9	8.8	8.4	8.0	8.3	8.2
17	8.5	8.9	8.7	9.2	9.6	9.6	8.9	8.8	8.4	8.1	8.2	8.2
18	8.4	8.8	8.7	9.1	9.8	9.7	8.8	8.9	8.3	8.0	8.3	8.2
19	8.3	8.9	8.8	9.2	9.8	9.6	8.8	8.2	8.2	7.9	8.4	8.2
20	8.3	8.9	8.9	9.3	9.8	9.6	8.8	7.6	8.2	7.9	8.3	8.3
21	8.2	8.9	8.8	9.3	9.8	9.6	8.8	8.1	8.3	8.0	8.3	8.1
22	8.2	8.9	8.8	9.3	9.9	9.5	8.8	8.6	8.2	8.0	8.2	8.2
23	8.3	8.9	8.7	9.3	10	9.4	8.8	8.5	8.2	8.0	8.1	8.2
24	8.2	8.9	8.8	9.4	9.9	9.4	8.8	8.4	8.3	7.9	8.1	8.2
25	8.3	8.9	8.9	9.4	9.9	9.4	8.8	8.3	8.3	7.9	8.1	8.2
26	8.3	8.9	8.8	9.3	10	9.3	8.9	8.4	8.2	7.9	8.0	8.2
27	8.3	8.9	8.9	9.4	9.9	9.2	8.8	8.4	8.2	8.0	8.0	8.2
28	8.4	8.9	8.9	9.5	9.9	9.1	8.8	8.5	8.1	8.0	8.1	8.2
29	8.4	8.9	9.0	9.5	9.8	9.1	8.7	8.5	8.0	8.0	8.1	8.2
30	8.4	8.9	9.0	9.5	---	9.2	8.7	8.5	7.8	8.0	8.1	8.1
31	8.7	---	9.0	9.4	---	9.2	---	8.4	---	8.1	8.1	---
TOTAL	259.4	265.7	280.7	284.8	279.8	296.6	269.9	267.4	248.2	245.8	253.2	245.3
MEAN	8.37	8.86	9.05	9.19	9.65	9.57	9.00	8.63	8.27	7.93	8.17	8.18
MAX	8.7	8.9	9.5	9.5	10	10	9.4	9.0	8.4	8.1	8.4	8.9
MIN	8.2	8.7	8.7	8.9	9.3	9.1	8.7	7.6	7.8	7.7	8.0	8.0
AC-FT	515	527	557	565	555	588	535	530	492	488	502	487

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	8.32	8.46	8.40	8.58	8.92	9.50	9.29	8.87	8.66	8.51	8.53	8.34
MAX	8.93	9.06	9.05	9.19	9.65	9.64	9.64	9.14	9.18	8.94	8.83	8.61
(WY)	(2003)	(2003)	(2004)	(2004)	(2004)	(2003)	(2003)	(2002)	(2002)	(2002)	(2003)	(2003)
MIN	7.67	7.45	7.43	7.77	8.38	9.30	9.00	8.63	8.27	7.93	8.17	8.18
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	3,240.6		3,196.8			
ANNUAL MEAN	8.88		8.73		8.70	
HIGHEST ANNUAL MEAN					8.91	2003
LOWEST ANNUAL MEAN					8.44	2002
HIGHEST DAILY MEAN	11	Mar 16	10	Feb 23	11	Mar 16, 2003
LOWEST DAILY MEAN	8.2	Oct 21	7.6	May 20	7.3	Nov 3, 2001
ANNUAL SEVEN-DAY MINIMUM	8.3	Oct 19	7.8	Jun 30	7.3	Nov 2, 2001
MAXIMUM PEAK FLOW			17	Sep 11	17	Sep 11, 2004
MAXIMUM PEAK STAGE			8.12	Sep 11	8.12	Sep 11, 2004
ANNUAL RUNOFF (AC-FT)	6,430		6,340		6,300	
10 PERCENT EXCEEDS	9.7		9.5		9.4	
50 PERCENT EXCEEDS	8.8		8.8		8.7	
90 PERCENT EXCEEDS	8.4		8.0		7.8	

09416000 MUDDY RIVER NEAR MOAPA, NV

LOCATION.--Lat 36°42'40", long 114°41'40" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 15, T.14 S., R.65 E., Clark County, Hydrologic Unit 15010012, on left bank, 0.1 mi upstream from Battleship Wash, 0.8 mi downstream from Home Ranch, 5 mi northwest of Moapa, 9.5 mi upstream from Meadow Valley Wash, and 26 mi upstream from Lake Mead.

DRAINAGE AREA.--3,820 mi^2 of which 3,780 mi^2 probably is noncontributing.

PERIOD OF RECORD.--July 1913 to September 1915, April 1916 to September 1918, June 1928 to October 1931, April to July 1932, October 1944 to current year.

REVISED RECORDS.--WSP 1243: 1914 (M). WSP 1343: 1950 (M). WSP 1733: Drainage area.

GAGE.--Water-stage recorder and Cipolletti weir. Recording tipping bucket rain gage with 0.04 inch increment since December 1989. Elevation of gage is 1,710 ft above National Geodetic Vertical Datum of 1929, from river-profile map. October 21, 1944, to September 30, 1948, water-stage recorder at datum 0.08 ft higher.

REMARKS.--No estimated daily discharges. Records good. Diversions for irrigation above station. Beginning October 1, 1976, records do not include part-time diversion about 100 ft upstream, for cooling of powerplants downstream. Normal flow originates from springs in reach 0.9 to 2.5 mi upstream from station. Flood peaks may be dampened by Arrow Canyon Dam. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,760 ft^3/s, August 16, 1990, gage height, 13.33 ft, on basis of slope-area measurement of peak flow; minimum daily, 19 ft^3/s, October 10, 1997, October 6, 2003. Maximum daily precipitation, 2.12 inches, September 11, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum daily precipitation, 2.12 in., September 11.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 60 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 1	0145	*49	*0.92				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	26	29	31	34	37	31	37	31	31	31	25
2	22	28	31	32	40	39	33	36	32	30	30	26
3	22	29	35	33	44	38	35	35	30	29	30	25
4	20	29	33	32	37	40	36	35	29	29	30	26
5	20	28	31	33	35	37	34	37	29	28	30	28
6	19	26	27	32	34	37	35	36	28	28	29	27
7	20	29	27	27	35	41	33	34	26	27	30	26
8	21	30	25	28	34	41	34	35	24	28	31	26
9	24	30	22	27	33	42	35	35	25	28	28	28
10	27	27	22	27	34	42	35	33	25	29	27	29
11	22	25	21	28	35	42	35	32	27	29	26	31
12	21	26	21	27	34	41	34	35	28	28	27	35
13	20	27	23	28	35	41	36	36	29	28	27	28
14	21	27	26	27	34	39	34	35	28	27	28	28
15	22	27	26	27	37	36	31	35	27	28	28	30
16	21	29	29	27	35	38	33	36	30	29	26	31
17	21	28	28	28	34	42	37	35	32	29	26	31
18	24	29	27	29	32	40	33	35	32	30	27	31
19	25	29	29	29	32	33	37	35	32	28	28	32
20	23	29	33	29	34	30	42	34	32	29	29	30
21	24	27	31	28	33	31	41	34	30	29	30	30
22	24	27	30	25	34	31	36	35	29	29	31	31
23	21	28	33	26	36	33	34	36	29	28	29	31
24	23	29	30	27	33	33	34	33	29	28	29	31
25	25	33	28	31	33	31	36	32	30	30	26	32
26	26	32	30	26	35	32	37	32	32	28	26	33
27	24	30	28	24	34	31	39	31	32	29	25	32
28	25	35	31	26	36	31	39	31	32	29	25	33
29	24	30	33	31	41	30	37	31	32	28	25	33
30	24	30	33	31	---	32	37	31	31	29	25	32
31	25	---	33	31	---	32	---	30	---	30	26	---
TOTAL	703	859	885	887	1,017	1,123	1,063	1,057	882	889	865	891
MEAN	22.7	28.6	28.5	28.6	35.1	36.2	35.4	34.1	29.4	28.7	27.9	29.7
MAX	27	35	35	33	44	42	42	37	32	31	31	35
MIN	19	25	21	24	32	30	31	30	24	27	25	25
AC-FT	1,390	1,700	1,760	1,760	2,020	2,230	2,110	2,100	1,750	1,760	1,720	1,770
†	0.00	0.48	0.84	0.12	2.32	0.52	0.72	0.00	0.00	0.00	0.28	2.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2004, BY WATER YEAR (WY)

MEAN	39.7	41.9	43.2	44.0	44.3	43.4	41.4	41.1	38.8	38.4	39.2	40.2
MAX	61.9	61.6	54.9	55.4	58.6	53.5	52.4	48.5	46.1	56.5	61.1	91.2
(WY)	(1973)	(1961)	(1960)	(1960)	(1914)	(1958)	(1965)	(1958)	(1957)	(1984)	(1990)	(1967)
MIN	22.7	26.9	28.0	28.6	30.3	28.9	31.0	33.1	29.4	28.7	27.3	25.3
(WY)	(2004)	(2002)	(2002)	(2004)	(1997)	(1999)	(2003)	(2002)	(2004)	(2004)	(1995)	(2003)

09416000 MUDDY RIVER NEAR MOAPA, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1913 - 2004	
ANNUAL TOTAL	11,076		11,121			
ANNUAL MEAN	30.3		30.4		41.2	
HIGHEST ANNUAL MEAN					49.6	1958
LOWEST ANNUAL MEAN					30.4	2004
HIGHEST DAILY MEAN	41	Jan 5	44	Feb 3	930	Aug 16, 1990
LOWEST DAILY MEAN	19	Oct 6	19	Oct 6	19	Oct 10, 1997
ANNUAL SEVEN-DAY MINIMUM	21	Oct 2	21	Oct 2	21	Oct 2, 2003
MAXIMUM PEAK FLOW			49	May 1	5,760	Aug 16, 1990
MAXIMUM PEAK STAGE			0.92	May 1	13.33	Aug 16, 1990
ANNUAL RUNOFF (AC-FT)	21,970		22,060		29,860	
10 PERCENT EXCEEDS	36		36		49	
50 PERCENT EXCEEDS	30		30		41	
90 PERCENT EXCEEDS	24		25		32	

† Precipitaiton total, in inches.

09417500 MEADOW VALLEY WASH AT EAGLE CANYON NEAR URSINE, NV

LOCATION.--Lat 38°00'15", long 114°12'22" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec. 25, T.02 N., R.69 E., Lincoln County, Hydrologic Unit 15010013, on left bank, at state highway 322 bridge, 1.2 mi north of Ursine, NV, and 1.3 mi south of Eagle Valley Reservoir State Park.

DRAINAGE AREA.--293 mi^2.

PERIOD OF RECORD.--August 1962 to September 1974, November 1974 to April 1975 (periodic discharge measurements), and December 2002 to current year. Prior to October 1972 published as Spring Valley Creek near Ursine.

GAGE.--Water-stage recorder. Elevation of gage is 5,670 ft above sea level, from topographic map. Since December 2002, same site at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by releases from Eagle Valley Reservoir 1.3 miles upstream. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 700 ft^3/s January 25, 1969, gage height 4.07 ft, (datum then in use), from rating curve extended above 70 ft^3/s on basis of two slope-area measurements of peak flow; minimum daily 0.4 ft^3/s October 23, 1965.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 40 ft^3/s, August 5, gage height, 5.14 ft; minimum daily discharge, 2.8 ft^3/s, September 11, 23.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	3.5	e7.2	6.3	8.6	12	6.3	6.7	5.0	4.0	3.4	3.1
2	4.0	3.4	e7.2	6.3	8.2	11	7.0	6.3	4.8	3.7	3.4	3.2
3	4.0	3.5	e7.0	6.7	8.5	11	8.8	6.6	4.8	3.8	e3.4	3.2
4	4.0	3.5	e6.6	6.4	8.2	12	9.3	6.4	4.8	3.8	e3.6	3.1
5	4.0	3.6	e6.8	5.6	8.2	12	9.2	6.4	5.0	3.8	e3.7	3.0
6	4.0	3.6	e7.0	5.2	8.1	13	8.6	6.8	4.9	3.7	3.8	2.9
7	4.1	3.6	e7.9	5.3	8.2	16	9.2	7.0	4.6	3.8	3.7	2.9
8	4.1	3.7	e8.9	5.5	8.1	20	9.1	7.1	4.6	3.7	3.6	2.9
9	4.2	3.8	e7.3	5.6	8.2	19	9.8	7.3	4.4	3.7	3.6	3.0
10	4.3	3.9	e6.6	5.7	7.9	16	9.4	7.7	4.3	3.7	3.5	2.9
11	4.3	3.9	6.6	5.7	8.1	14	8.0	7.5	4.4	3.7	3.4	2.8
12	4.4	4.0	6.6	5.8	8.1	12	7.4	6.9	4.4	3.6	3.4	2.9
13	4.2	4.1	6.7	6.1	8.0	11	7.1	5.9	4.4	3.7	3.5	3.0
14	4.1	3.6	7.0	6.3	8.4	10	6.5	5.0	4.5	3.8	3.5	3.1
15	4.0	3.7	6.8	6.5	9.0	9.4	6.5	4.6	4.3	3.8	3.6	3.1
16	3.9	3.9	6.0	6.8	9.3	8.8	6.3	4.5	4.2	3.9	3.6	3.2
17	3.9	3.9	5.6	6.8	10	8.5	6.2	4.4	4.2	3.9	3.6	3.3
18	3.8	3.9	5.4	7.1	14	8.3	6.8	4.4	4.2	3.9	3.5	3.4
19	3.7	3.9	5.5	7.4	18	8.0	7.0	4.5	4.1	3.9	3.6	3.5
20	3.7	3.9	6.0	7.7	14	7.7	7.3	4.6	4.0	3.8	3.6	3.3
21	3.6	e3.9	7.4	7.5	13	7.7	7.1	4.7	4.0	3.9	3.5	3.0
22	3.5	e4.2	8.7	7.4	13	7.7	6.8	4.6	4.0	3.8	3.5	2.9
23	3.3	e4.9	8.5	7.2	14	7.3	6.4	4.7	3.9	3.8	3.5	2.8
24	3.3	e5.1	8.2	7.3	14	7.3	6.2	4.8	4.0	4.0	3.4	3.1
25	3.3	e5.2	14	7.4	14	7.1	6.3	4.8	3.9	4.0	3.3	3.5
26	3.3	e5.4	20	7.1	15	7.0	6.0	5.0	3.9	4.0	3.2	3.5
27	3.4	e5.3	13	6.9	14	6.9	6.5	4.9	4.0	4.0	3.2	3.6
28	3.5	e5.4	9.1	7.3	13	6.7	6.7	4.8	4.1	3.6	3.2	3.7
29	3.5	e5.9	6.8	7.9	12	6.6	6.6	4.8	4.2	3.4	3.2	3.7
30	3.5	e6.7	6.2	8.5	---	6.6	6.9	4.9	4.3	3.5	3.2	3.7
31	3.6	---	6.1	9.3	---	6.5	---	4.9	---	3.5	3.1	---
TOTAL	118.5	126.9	242.7	208.6	311.1	317.1	221.3	173.5	130.2	117.2	107.3	95.3
MEAN	3.82	4.23	7.83	6.73	10.7	10.2	7.38	5.60	4.34	3.78	3.46	3.18
MAX	4.4	6.7	20	9.3	18	20	9.8	7.7	5.0	4.0	3.8	3.7
MIN	3.3	3.4	5.4	5.2	7.9	6.5	6.0	4.4	3.9	3.4	3.1	2.8
AC-FT	235	252	481	414	617	629	439	344	258	232	213	189

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2004, BY WATER YEAR (WY)

MEAN	3.40	5.07	7.56	8.62	10.3	11.4	12.1	7.43	3.84	3.75	4.80	3.57
MAX	4.62	8.49	18.0	29.0	20.0	27.0	52.9	36.9	6.24	5.81	13.5	6.39
(WY)	(1969)	(1964)	(1967)	(1969)	(1969)	(1969)	(1969)	(1973)	(1973)	(1970)	(1970)	(1963)
MIN	0.82	1.25	2.24	4.59	6.33	6.30	4.43	3.00	2.65	2.71	2.67	2.51
(WY)	(1974)	(1974)	(1974)	(1963)	(1965)	(1972)	(1966)	(1963)	(1964)	(1972)	(1972)	(1972)

09417500 MEADOW VALLEY WASH AT EAGLE CANYON NEAR URSINE, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1962 - 2004	
ANNUAL TOTAL	2,530.8		2,169.7			
ANNUAL MEAN	6.93		5.93		6.79	
HIGHEST ANNUAL MEAN					13.8	1969
LOWEST ANNUAL MEAN					4.49	1974
HIGHEST DAILY MEAN	22	Jan 12	20	Dec 26	220	Jan 26, 1969
LOWEST DAILY MEAN	2.6	Aug 5	2.8	Sep 11	0.40	Oct 23, 1965
ANNUAL SEVEN-DAY MINIMUM	3.0	Jul 31	2.9	Sep 6	0.57	Oct 23, 1965
MAXIMUM PEAK FLOW			35	Dec 26	700	Jan 25, 1969
MAXIMUM PEAK STAGE			5.04	Dec 26	5.04	Dec 26, 2003
ANNUAL RUNOFF (AC-FT)	5,020		4,300		4,920	
10 PERCENT EXCEEDS	13		9.2		11	
50 PERCENT EXCEEDS	4.9		4.8		4.7	
90 PERCENT EXCEEDS	3.4		3.4		2.7	

e Estimated

09418500 MEADOW VALLEY WASH NEAR CALIENTE, NV

LOCATION.--Lat 37°33'30.16", long 114°33'47" referenced to North American Datum of 1983, in SW ¼ NE ¼ sec. 35, T.4S ., R.66 E., Lincoln County, Hydrologic Unit 15010013, on left bank, 0.5 mi east of Etna, 4.5 mi southwest of Caliente, and 6 mi downstream from Clover Creek.

DRAINAGE AREA.--1,670 mi^2.

PERIOD OF RECORD.--January 1951 to September 1960, November 1964 to September 1983, and October 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,200 ft above National Geodetic Vertical Datum of 1929, by barometer. Prior to June 16, 1955, at site 1.8 mi downstream at different datum. Prior to October 29, 1998 at site 3.0 mi downstream at different datum.

REMARKS.--Records poor. Beaver activity in the immediate vicinity of the gage created severe backwater conditions for most of the year. Several diversions for irrigation above station. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 2,400 ft^3/s, March 5, 1978, gage height, 9.41 ft, from floodmarks; maximum gage height, 12.58 ft, March 28, 1998; no flow at times some years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
December 10	0900	*492	*8.67	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.11	e0.10	e0.10	e0.27	e0.11	e0.42	e0.50	e2.4	e0.04	e0.23	e0.66	e0.47
2	e0.11	e0.11	e0.07	e0.29	e0.17	e0.61	e1.5	e2.2	e0.11	e0.32	e0.66	e0.46
3	e0.11	e0.12	e0.08	e0.29	e0.27	e0.88	4.2	e0.97	e0.10	e0.39	e0.61	e0.47
4	e0.11	e0.10	e0.10	e0.27	e0.24	e0.87	4.2	e0.62	e0.12	e0.42	e0.60	e0.48
5	e0.11	e0.11	e0.09	e0.25	e0.22	e0.83	2.2	e0.41	e0.11	e0.40	e0.58	e0.49
6	e0.12	e0.11	0.08	e0.22	e0.20	e0.64	0.81	e0.32	e0.11	e0.42	e0.57	e0.48
7	e0.12	e0.10	e0.11	e0.19	e0.18	e0.56	0.22	e0.27	e0.11	e0.18	e0.54	e0.43
8	e0.12	e0.10	e0.10	e0.17	e0.18	e0.58	0.39	e0.13	e0.09	0.06	e0.54	e0.40
9	e0.11	e0.12	e0.10	e0.19	e0.17	e0.73	e0.41	e0.14	e0.06	0.05	e0.53	13
10	e0.11	e0.11	e0.11	e0.20	e0.18	0.84	e0.49	e0.12	e0.08	0.00	e0.51	0.87
11	e0.11	e0.10	e0.10	e0.20	e0.17	0.67	0.57	e0.11	e0.07	0.00	e0.50	0.14
12	e0.11	e0.25	e0.11	e0.13	e0.17	0.71	e0.90	0.29	e0.05	0.00	e0.47	0.05
13	e0.11	e0.35	e0.11	e0.10	e0.17	0.80	e1.7	e0.18	e0.11	0.00	e0.43	0.11
14	e0.11	e0.28	e0.12	e0.09	e0.17	1.1	e2.0	e0.16	e0.07	0.00	e0.42	0.34
15	e0.11	e0.20	e0.10	e0.09	e0.17	e0.98	e2.1	e0.12	e0.04	0.00	e0.41	0.31
16	e0.11	e0.15	e0.12	e0.10	e0.17	e1.0	e2.2	e0.11	e0.09	0.00	e0.40	0.32
17	e0.11	e0.10	e0.13	e0.10	e0.17	e0.97	e1.4	e0.14	e0.08	0.00	e0.40	0.20
18	e0.10	e0.11	0.11	e0.11	e0.17	e0.96	e1.5	e0.11	0.04	0.00	e0.38	0.01
19	e0.11	e0.08	0.18	e0.11	e0.17	e0.97	e1.6	e0.10	e0.06	0.00	e0.37	0.00
20	e0.11	e0.08	0.27	e0.10	e0.17	e1.0	e1.5	e0.11	e0.10	0.00	e0.58	0.00
21	e0.09	e0.08	e0.29	e0.11	e0.17	e1.0	e1.4	e0.10	e0.08	0.00	e0.77	0.00
22	e0.10	0.05	e0.30	e0.11	e0.17	e1.1	e1.3	e0.10	e0.09	0.00	0.80	0.00
23	e0.10	e0.09	e0.28	e0.11	e0.17	e0.93	e1.2	e0.10	e0.14	0.08	e0.54	0.01
24	e0.10	e0.12	e0.27	e0.12	e0.18	e0.73	e1.3	e0.16	e0.23	e0.95	e0.48	0.03
25	e0.10	e0.09	e0.57	e0.10	e0.20	e0.58	e1.5	e0.10	e0.33	e0.93	e0.45	0.00
26	e0.10	e0.11	e0.55	e0.10	e0.30	e0.58	e1.4	e0.16	e0.37	e0.90	e0.47	0.00
27	0.08	e0.12	e0.43	e0.12	e0.27	e0.58	e1.4	e0.09	e0.39	e0.87	e0.46	0.01
28	e0.10	0.06	e0.39	e0.10	e0.30	e0.50	e1.6	e0.11	e0.27	e0.80	e0.45	0.05
29	e0.09	0.05	e0.29	e0.13	e0.39	e0.50	e1.9	e0.11	e0.34	e0.78	e0.44	0.01
30	e0.10	0.05	e0.23	e0.14	---	e0.50	e2.6	e0.11	e0.19	e0.74	e0.46	0.02
31	e0.11	---	e0.26	e0.10	---	e0.35	---	e0.09	---	e0.70	e0.45	---
TOTAL	3.29	3.60	6.15	4.71	5.77	23.47	45.99	10.24	4.07	9.22	15.93	19.16
MEAN	0.11	0.12	0.20	0.15	0.20	0.76	1.53	0.33	0.14	0.30	0.51	0.64
MAX	0.12	0.35	0.57	0.29	0.39	1.1	4.2	2.4	0.39	0.95	0.80	13
MIN	0.08	0.05	0.07	0.09	0.11	0.35	0.22	0.09	0.04	0.00	0.37	0.00
AC-FT	6.5	7.1	12	9.3	11	47	91	20	8.1	18	32	38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

MEAN	2.76	4.19	6.87	12.5	26.5	33.5	16.2	5.75	2.94	2.69	4.73	2.61
MAX	12.6	12.7	27.7	127	297	280	160	28.9	11.5	13.9	44.4	16.8
(WY)	(1973)	(1958)	(1952)	(1993)	(1993)	(1978)	(1969)	(1998)	(1956)	(1956)	(1955)	(1998)
MIN	0.11	0.12	0.20	0.15	0.20	0.76	0.66	0.33	0.10	0.04	0.08	0.11
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2002)	(2004)	(2002)	(2002)	(2002)	(2002)

09418500 MEADOW VALLEY WASH NEAR CALIENTE, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004	
ANNUAL TOTAL	257.43		151.60			
ANNUAL MEAN	0.71		0.41		10.2	
HIGHEST ANNUAL MEAN					61.5	1993
LOWEST ANNUAL MEAN					0.41	2004
HIGHEST DAILY MEAN	29	Aug 15	13	Sep 9	1,480	Mar 5, 1978
LOWEST DAILY MEAN	0.00	Aug 3	0.00	Jul 10	0.00	Jul 26, 1966
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 3	0.00	Jul 10	0.00	Jul 11, 2000
MAXIMUM PEAK FLOW			114	Sep 9	2,400	Mar 5, 1978
MAXIMUM PEAK STAGE			13.00	Sep 9	13.00	Sep 9, 2004
ANNUAL RUNOFF (AC-FT)	511		301		7,430	
10 PERCENT EXCEEDS	1.4		0.94		15	
50 PERCENT EXCEEDS	0.42		0.17		3.3	
90 PERCENT EXCEEDS	0.07		0.06		0.97	

e Estimated

09418700 MEADOW VALLEY WASH NEAR ROX, NV

LOCATION.--Lat 36°50'24", long 114°39'29" referenced to North American Datum of 1927, in NW ¼ NW ¼ sec. 25, T.13 S., R.65 E., Clark County, Hydrologic Unit 15010013, on left bank, about 3 mi downstream from Rox.

DRAINAGE AREA.--2,384 mi^2.

PERIOD OF RECORD.--February 1987 to September 1994, and October 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,855 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to September 1994 at site about 2.0 miles upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Several diversions for irrigation above station. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,620 ft^3/s, February 10, 1993, gage height, 7.02 ft; no flow at times during summer months, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1.6 ft^3/s, December 23, gage height, 4.31 ft; minimum daily discharge, 0.00 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.13	0.43	0.87	0.65	0.93	1.2	e0.67	0.28	0.10	0.00	0.00
2	0.00	0.24	0.43	0.87	0.65	1.1	1.4	e0.67	0.27	0.06	0.00	0.00
3	0.00	0.12	0.45	0.84	0.73	1.0	1.4	e0.66	0.20	0.07	0.00	0.00
4	0.00	0.27	0.47	0.87	0.72	e1.0	1.3	e0.66	0.20	0.07	0.00	0.00
5	0.00	0.29	0.46	0.88	0.68	e1.0	1.3	e0.65	0.21	0.05	0.00	0.00
6	0.00	0.30	0.47	0.90	0.67	e1.1	1.3	0.65	0.20	0.05	0.00	0.00
7	0.00	0.32	0.47	0.93	0.70	e1.2	1.2	0.62	0.20	0.03	0.00	0.00
8	0.00	0.26	0.47	0.94	0.70	e1.2	1.2	0.60	0.19	0.03	0.00	0.00
9	0.00	0.29	0.47	0.95	0.69	1.3	1.2	0.52	0.20	0.04	0.00	0.00
10	0.00	0.31	0.50	0.97	0.75	1.3	1.2	0.52	0.22	0.04	0.00	0.00
11	0.00	0.29	0.54	0.99	0.76	e1.3	e1.2	0.46	0.24	0.00	0.00	0.00
12	0.00	0.35	0.56	1.0	0.76	1.3	e1.2	0.51	0.22	0.00	0.00	0.00
13	0.00	0.40	0.60	1.1	0.78	1.3	e1.0	0.51	0.22	0.01	0.00	0.00
14	0.00	0.38	0.61	1.1	0.81	1.3	e1.0	0.45	0.22	0.01	0.00	0.00
15	0.00	0.40	0.61	1.1	0.80	1.3	e1.0	0.45	0.21	0.03	0.00	0.00
16	0.00	0.44	0.64	1.1	0.81	1.3	e1.0	0.45	0.16	0.03	0.00	0.00
17	0.00	0.42	0.65	1.2	0.83	1.3	e1.0	0.45	0.16	0.01	0.00	0.00
18	0.00	0.40	0.65	0.98	0.84	1.3	e1.0	0.40	0.18	0.04	0.00	0.00
19	0.00	0.39	0.65	0.94	0.86	1.3	e1.0	0.40	0.22	0.02	0.00	0.00
20	0.00	0.41	0.65	0.91	0.87	1.3	e1.0	0.41	0.16	0.01	0.00	0.00
21	0.00	0.42	0.68	0.81	0.90	1.3	e0.95	0.35	0.15	0.01	0.00	0.00
22	0.00	0.38	0.67	0.75	0.99	1.3	e0.90	0.36	0.15	0.00	0.00	0.00
23	0.00	0.42	0.79	0.75	1.2	1.3	e0.85	0.35	0.12	0.00	0.00	0.00
24	0.00	0.46	0.78	0.70	0.98	1.3	e0.75	0.35	0.10	0.00	0.00	0.00
25	0.00	0.47	0.90	0.70	1.0	1.3	e0.75	0.34	0.11	0.00	0.00	0.00
26	0.00	0.47	0.94	0.74	1.1	1.3	e0.70	0.34	0.10	0.00	0.00	0.00
27	0.00	0.47	0.84	0.76	1.0	1.3	e0.69	0.30	0.09	0.00	0.00	0.00
28	0.00	0.48	0.87	0.76	1.0	1.3	e0.69	0.26	0.09	0.00	0.00	0.00
29	0.00	0.45	0.92	0.66	0.96	1.2	e0.68	0.27	0.08	0.00	0.00	0.00
30	0.00	0.43	0.94	0.66	---	1.2	e0.68	0.27	0.08	0.00	0.00	0.00
31	0.00	---	0.89	0.65	---	1.2	---	0.28	---	0.00	0.00	---
TOTAL	0.00	10.86	20.00	27.38	24.19	38.13	30.74	14.18	5.23	0.71	0.00	0.00
MEAN	0.00	0.36	0.65	0.88	0.83	1.23	1.02	0.46	0.17	0.02	0.00	0.00
MAX	0.00	0.48	0.94	1.2	1.2	1.3	1.4	0.67	0.28	0.10	0.00	0.00
MIN	0.00	0.12	0.43	0.65	0.65	0.93	0.68	0.26	0.08	0.00	0.00	0.00
AC-FT	0.00	22	40	54	48	76	61	28	10	1.4	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2004, BY WATER YEAR (WY)

MEAN	0.70	1.26	1.51	3.66	10.5	5.31	2.00	1.28	0.67	0.57	0.60	0.61
MAX	1.08	2.98	3.22	21.0	84.2	21.7	3.64	2.07	1.08	1.40	2.52	2.18
(WY)	(2002)	(1988)	(1988)	(1993)	(1993)	(1992)	(1988)	(1989)	(1993)	(1992)	(1988)	(1990)
MIN	0.00	0.36	0.65	0.88	0.83	1.23	1.00	0.46	0.17	0.02	0.00	0.00
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(1994)	(2004)	(2004)	(2004)	(2004)	(2003)

09418700 MEADOW VALLEY WASH NEAR ROX, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1987 - 2004	
ANNUAL TOTAL	254.52		171.42			
ANNUAL MEAN	0.70		0.47		2.37	
HIGHEST ANNUAL MEAN					10.8	1993
LOWEST ANNUAL MEAN					0.47	2004
HIGHEST DAILY MEAN	1.9	Mar 1	1.4	Apr 2	693	Feb 10, 1993
LOWEST DAILY MEAN	0.00	Jul 14	0.00	Oct 1	0.00	Jul 14, 2003
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 14	0.00	Oct 1	0.00	Jul 14, 2003
MAXIMUM PEAK FLOW			1.6	Dec 23	1,620	Feb 10, 1993
MAXIMUM PEAK STAGE			4.31	Dec 23	7.02	Feb 10, 1993
ANNUAL RUNOFF (AC-FT)	505		340		1,720	
10 PERCENT EXCEEDS	1.8		1.2		2.5	
50 PERCENT EXCEEDS	0.47		0.40		1.1	
90 PERCENT EXCEEDS	0.00		0.00		0.30	

e Estimated

09419000 MUDDY RIVER NEAR GLENDALE, NV

LOCATION.--Lat 36°38'35", long 114°32'20" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec. 07, T.15 S., R.67 E., Clark County, Hydrologic Unit 15010012, on left bank, at the Narrows, 150 ft downstream from Weiser Wash, 2 mi southeast of Glendale, 2.4 mi downstream from Meadow Valley Wash, 4.5 mi northwest of Logandale, and 16 mi upstream from Lake Mead.

DRAINAGE AREA.--6,780 mi^2 of which 3,780 mi^2 probably is noncontributing.

PERIOD OF RECORD.--January 1904 to December 1906 (gage heights only) and April to October 1910 (published as "near Moapa"), July 1913 to February 1914 (published as "near Logan"), February 1950 to September 1983, and October 1984 to current year.

REVISED RECORDS.--WSP 1243: 1906 (M). WSP 1733: Drainage area

GAGE.--Water-stage recorder. Elevation of gage is 1,460 ft above National Geodetic Vertical Datum of 1929, from river-profile map. January 1, 1904, to December 31, 1906, non-recording gage just upstream at different datum. April 22, 1910, to February 21, 1914, non-recording gage and rating flume at lower end of the Narrows, 1.2 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,400 ft^3/s, August 10, 1981, gage height, 27.10 ft; minimum, 15 ft^3/s, October 10, 1997.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 30 ft, March 26, 1906 (datum then in use), discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 402 ft^3/s, August 16, gage height, 9.62 ft; minimum daily discharge, 25 ft^3/s, June 17.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e30	30	e34	32	33	e41	29	33	29	27	32	34
2	30	32	e37	31	34	e41	32	32	29	27	32	34
3	30	31	e40	30	37	e37	34	31	28	27	31	34
4	30	33	e37	30	36	e40	33	31	28	27	32	32
5	30	33	e36	30	34	37	33	33	30	27	32	32
6	30	31	e35	32	33	35	34	35	31	26	31	31
7	30	32	e33	32	33	36	32	32	30	26	32	31
8	30	32	e32	33	34	38	33	32	30	26	32	30
9	32	33	e31	32	33	36	34	33	29	27	32	32
10	33	32	e30	31	33	37	34	33	30	26	31	32
11	30	29	e29	32	34	36	34	33	31	27	29	31
12	32	30	29	32	34	36	34	32	31	27	29	36
13	33	30	27	31	34	36	34	34	30	27	30	34
14	32	30	31	31	34	36	33	32	30	28	34	32
15	31	30	30	30	35	34	29	33	30	28	39	33
16	31	32	31	30	37	29	29	34	28	36	48	32
17	31	31	31	31	34	31	30	33	25	33	33	30
18	35	31	27	33	31	36	31	29	28	33	35	32
19	36	32	28	32	31	34	29	30	28	33	41	e34
20	34	32	29	32	31	31	32	28	28	32	36	e35
21	33	31	32	30	34	28	32	27	29	32	38	e36
22	33	29	31	30	36	28	32	28	28	32	38	37
23	30	31	31	28	40	33	32	31	28	31	37	35
24	29	30	32	28	e39	33	31	30	28	29	36	36
25	30	e39	30	32	35	26	36	29	28	29	31	36
26	30	e38	34	31	37	32	36	29	28	29	32	36
27	31	e36	31	27	36	31	37	32	28	28	32	37
28	31	e41	32	32	35	31	36	31	28	29	34	35
29	31	e37	33	32	38	31	35	30	28	30	35	35
30	31	e36	33	32	---	30	33	30	28	32	35	36
31	30	---	31	32	---	30	---	30	---	32	35	---
TOTAL	969	974	987	961	1,005	1,050	983	970	864	903	1,054	1,010
MEAN	31.3	32.5	31.8	31.0	34.7	33.9	32.8	31.3	28.8	29.1	34.0	33.7
MAX	36	41	40	33	40	41	37	35	31	36	48	37
MIN	29	29	27	27	31	26	29	27	25	26	29	30
AC-FT	1,920	1,930	1,960	1,910	1,990	2,080	1,950	1,920	1,710	1,790	2,090	2,000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2004, BY WATER YEAR (WY)

MEAN	37.1	44.2	44.5	47.0	54.1	52.9	42.6	37.9	33.4	32.7	39.7	41.1
MAX	61.0	209	58.0	98.0	230	237	100	48.0	50.6	51.5	136	225
(WY)	(1973)	(1961)	(1961)	(1969)	(1993)	(1983)	(1969)	(1991)	(1965)	(1961)	(1981)	(1998)
MIN	23.8	29.8	30.6	31.0	32.0	29.5	27.4	28.2	23.6	23.3	24.1	24.6
(WY)	(1997)	(1996)	(1997)	(2004)	(1997)	(1989)	(1989)	(1997)	(1997)	(1990)	(2001)	(1996)

09419000 MUDDY RIVER NEAR GLENDALE, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1950 - 2004	
ANNUAL TOTAL	11,478		11,730			
ANNUAL MEAN	31.4		32.0		42.2	
HIGHEST ANNUAL MEAN					60.7	1961
LOWEST ANNUAL MEAN					30.4	1997
HIGHEST DAILY MEAN	41	Nov 28	48	Aug 16	2,990	Nov 6, 1960
LOWEST DAILY MEAN	24	Jun 20	25	Jun 17	15	Oct 10, 1997
ANNUAL SEVEN-DAY MINIMUM	24	Jul 11	26	Jul 4	18	Jul 23, 1990
MAXIMUM PEAK FLOW			402	Aug 16	16,400	Aug 10, 1981
MAXIMUM PEAK STAGE			9.62	Aug 16	27.10	Aug 10, 1981
ANNUAL RUNOFF (AC-FT)	22,770		23,270		30,580	
10 PERCENT EXCEEDS	37		36		51	
50 PERCENT EXCEEDS	32		32		38	
90 PERCENT EXCEEDS	25		28		28	

e Estimated

09419507 MUDDY RIVER AT LEWIS AVENUE AT OVERTON, NV

LOCATION.--Lat 36°32'07", long 114°25'42" referenced to North American Datum of 1983, in NE ¼ NW ¼ sec. 19, T.16 S., R.68 E., Clark County, Hydrologic Unit 15010012, on left wing wall of upstream side of arched, concrete, corrugated-metal culvert on Lewis Avenue, 0.25 mi east of State Route 169, 0.05 mi upstream of Overton Wash, and 1.5 mi upstream from Lake Mead.

DRAINAGE AREA.--6,940 mi^2 of which 3,700 mi^2 probably is noncontributing.

PERIOD OF RECORD.--August 1997 to current year. Records for August and September 1997 available from Southern Nevada Water Authority.

REVISED RECORDS.--WDR NV-99-1: 1998.

GAGE.--Water-stage recorder. Elevation of gage is 1,251 ft above mean sea level, from gps static observation, using National Geodetic Vertical Datum of 1988VD-88 by Southern Nevada Water Authority.

REMARKS.--Records good except for estimated daily discharges, which are poor. Discharge at gage is predominantly irrigation return flow. An irrigation diversion approximately 7 mi upstream of the gage diverts the entire base flow of the Muddy River. At discharges greater than 215 ft^3/s, flow can bypass the main channel immediately above the gage. See schematic diagram of Lower Colorado River Basins.

COOPERATION.--Records were provided by Southern Nevada Water Authority and reviewed by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 1,300 ft^3/s, September 12, 1998, gage height 9.88 ft; minimum daily, 1.9 ft^3/s, July 12, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30 ft^3.s, April 6, gage height 4.47 ft; minimum daily, 1.9 ft^3/s, July 12.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	12	8.2	5.6	8.6	9.9	11	11	5.3	e5.3	2.3	8.0
2	7.8	11	5.9	7.2	7.5	9.6	13	16	4.6	e5.2	4.5	6.5
3	9.6	15	8.8	7.1	11	8.9	19	9.2	5.1	e5.1	6.9	4.3
4	e10	13	12	6.8	7.6	15	27	6.9	3.5	e5.0	8.1	7.4
5	e10	12	12	5.9	5.4	8.8	25	7.7	5.9	8.3	6.9	6.8
6	e10	15	12	5.8	5.3	10	23	7.8	7.4	4.9	4.3	7.4
7	e10	14	12	5.5	4.0	13	24	14	5.4	4.2	4.6	3.3
8	e10	14	8.5	7.4	3.9	15	23	9.7	6.3	7.2	3.6	4.0
9	e10	15	9.6	5.4	3.7	15	25	8.6	7.0	6.2	5.4	6.7
10	e10	8.3	9.3	5.7	5.0	14	24	13	6.5	3.9	6.5	6.4
11	e11	8.7	9.4	7.2	3.9	13	19	12	5.0	2.8	5.2	10
12	e11	8.4	10	8.0	3.9	12	17	9.9	6.2	1.9	5.0	6.0
13	e11	12	9.4	5.5	4.7	12	17	7.7	5.5	4.3	6.0	5.4
14	10	13	8.2	4.6	4.3	10	17	11	4.2	4.8	7.8	7.1
15	9.6	13	9.3	4.9	3.9	16	13	7.5	7.5	4.7	5.0	5.3
16	13	17	8.2	7.3	4.0	13	6.9	8.5	6.4	8.4	2.6	6.9
17	9.8	15	8.3	7.5	5.1	8.6	4.9	9.2	6.6	3.7	6.0	7.2
18	12	8.8	8.5	5.6	4.2	11	8.2	9.4	e6.6	4.2	6.9	7.8
19	17	8.2	8.1	8.2	4.5	12	9.9	7.3	e6.5	4.5	6.6	7.5
20	20	8.2	9.2	7.2	4.6	14	16	4.5	e6.4	8.1	7.3	6.5
21	14	8.0	12	6.5	6.2	8.7	9.7	5.0	e6.3	6.4	7.6	7.3
22	17	6.5	9.8	6.0	6.8	8.2	11	7.0	e6.2	5.5	5.3	8.6
23	12	5.9	7.4	8.1	8.9	9.9	13	12	e6.1	7.2	5.3	9.2
24	10	6.3	8.6	6.8	9.0	11	8.8	12	e6.0	4.7	7.5	13
25	11	8.1	7.9	9.2	8.8	12	13	7.8	e5.9	4.6	12	12
26	17	8.1	7.9	8.1	8.7	9.2	17	7.6	e5.8	4.3	12	13
27	14	8.7	7.6	7.4	8.8	12	13	8.7	e5.7	6.0	5.7	8.2
28	14	7.0	7.0	11	10	11	19	6.0	e5.6	5.2	6.1	6.4
29	7.0	6.1	6.9	13	10	16	17	3.3	e5.5	3.6	3.5	8.8
30	8.3	7.2	5.6	7.4	---	16	11	5.2	e5.4	4.1	3.1	14
31	9.3	---	5.6	9.4	---	8.4	---	8.5	---	3.5	2.7	---
TOTAL	354.6	313.5	273.2	221.3	182.3	363.2	475.4	274.0	176.4	157.8	182.3	231.0
MEAN	11.4	10.4	8.81	7.14	6.29	11.7	15.8	8.84	5.88	5.09	5.88	7.70
MAX	20	17	12	13	11	16	27	16	7.5	8.4	12	14
MIN	7.0	5.9	5.6	4.6	3.7	8.2	4.9	3.3	3.5	1.9	2.3	3.3
AC-FT	703	622	542	439	362	720	943	543	350	313	362	458

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	15.7	15.2	10.7	8.90	14.3	16.2	15.1	11.2	8.12	9.81	9.45	18.7
MAX	23.7	21.2	17.7	12.3	33.0	25.0	20.4	16.9	13.8	21.2	18.5	56.2
(WY)	(1999)	(2000)	(1999)	(2000)	(1998)	(2000)	(1998)	(1999)	(1999)	(1998)	(2000)	(1998)
MIN	9.67	7.90	7.96	7.14	6.29	10.2	8.63	8.71	5.88	5.09	5.88	7.33
(WY)	(2002)	(2002)	(2002)	(2004)	(2004)	(2003)	(2002)	(2003)	(2004)	(2004)	(2004)	(2001)

09419507 MUDDY RIVER AT LEWIS AVENUE AT OVERTON, NV—Continued

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	3,205.0			
ANNUAL MEAN	8.76		12.9	
HIGHEST ANNUAL MEAN			18.9	1998
LOWEST ANNUAL MEAN			8.76	2004
HIGHEST DAILY MEAN	27	Apr 4	630	Sep 12, 1998
LOWEST DAILY MEAN	1.9	Jul 12	1.9	Jul 12, 2004
ANNUAL SEVEN-DAY MINIMUM	4.1	Jul 9	4.0	Jan 28, 2001
MAXIMUM PEAK FLOW	30	Apr 6	1,300	Sep 12, 1998
MAXIMUM PEAK STAGE	4.47	Apr 6	9.88	Sep 12, 1998
ANNUAL RUNOFF (AC-FT)	6,360		9,370	
10 PERCENT EXCEEDS	14		22	
50 PERCENT EXCEEDS	8.0		10	
90 PERCENT EXCEEDS	4.5		5.6	

e Estimated

LOWER COLORADO RIVER BASIN-LAKE MEAD, LAKE MEAD

09419547 BLUE POINT SPRING NEAR VALLEY OF FIRE STATE PARK, NV

LOCATION.--Lat 36°23'24", long 114°25'59" referenced to North American Datum of 1927, in NW ¼ NE ¼ sec. 07, T.18 S., R.68 E., Clark County, Hydrologic Unit 15010005, in Lake Mead National Recreation Area, on left bank, about 4 mi east of Valley of Fire State Park, and 13 mi south of Overton.

PERIOD OF RECORD.--December 1998 to September 1999 (discharge measurements only); October 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,540 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 0.70 ft^3/s, October 16, 18, 19, 1999, gage height, 4.04 ft; minimum daily, 0.36 ft^3/s, June 30th - July 11th.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 0.59 ft^3/s, March 3, 4, gage height, 4.00 ft; minimum daily discharge, 0.49 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.56	0.56	0.56	0.56	0.56	0.56	e0.55	e0.54	0.54	0.49	0.52	0.54
2	0.56	0.56	0.56	0.56	0.56	0.56	e0.55	e0.54	0.54	0.49	0.52	0.54
3	0.56	0.56	0.56	0.56	0.56	0.58	e0.55	e0.54	0.54	0.49	0.52	0.54
4	0.56	0.56	0.56	0.56	0.56	e0.57	e0.55	e0.54	0.54	0.49	0.52	0.54
5	0.56	0.56	0.56	0.56	0.56	e0.57	e0.55	e0.54	0.54	0.49	0.52	0.54
6	0.56	0.56	0.56	0.56	0.56	e0.56	e0.55	e0.54	0.54	0.49	0.52	0.54
7	0.56	0.56	0.56	0.56	0.56	e0.56	e0.55	0.54	0.54	0.49	0.51	0.54
8	0.56	0.56	0.56	0.56	0.56	e0.57	e0.55	0.54	0.54	0.49	0.52	0.54
9	0.56	0.56	0.56	0.56	0.56	e0.57	e0.54	0.54	0.54	0.49	0.52	0.54
10	0.56	0.56	0.56	0.56	0.56	e0.57	e0.54	0.54	0.54	0.49	0.52	0.54
11	0.56	0.56	0.56	0.56	0.56	e0.56	e0.54	0.54	0.54	0.49	0.52	0.54
12	0.56	0.56	0.56	0.56	0.56	e0.56	e0.54	0.54	0.54	0.50	0.52	0.54
13	0.56	0.56	0.56	0.56	0.56	e0.56	e0.54	0.54	0.54	0.51	0.52	0.54
14	0.56	0.56	0.56	0.56	0.56	e0.56	e0.54	0.54	0.54	0.51	0.52	0.54
15	0.56	0.56	0.56	0.56	0.56	e0.56	e0.54	0.54	0.54	0.51	0.52	0.54
16	0.56	0.56	0.56	0.56	0.56	e0.57	e0.54	0.54	0.54	0.51	0.54	0.54
17	0.56	0.56	0.56	0.56	0.56	e0.56	e0.54	0.54	0.54	0.52	0.54	0.54
18	0.56	0.56	0.56	0.56	0.56	e0.56	e0.54	0.54	0.54	0.52	0.54	e0.54
19	0.56	0.56	0.56	0.56	0.56	e0.56	e0.54	0.54	0.54	0.52	0.54	e0.54
20	0.56	0.56	0.56	0.56	0.56	e0.56	e0.54	0.54	0.54	0.52	0.54	e0.54
21	0.56	0.56	0.56	0.56	0.56	e0.56	e0.54	0.54	0.54	0.52	0.54	e0.54
22	0.56	0.56	0.56	0.56	0.56	e0.56	e0.54	0.54	0.54	0.52	0.54	e0.54
23	0.56	0.56	0.56	0.56	0.56	e0.55	e0.54	0.54	0.54	0.52	0.54	e0.54
24	0.56	0.56	0.56	0.56	0.56	e0.55	e0.54	0.54	0.54	0.52	0.54	0.54
25	0.56	0.56	0.56	0.56	0.56	e0.55	e0.54	0.54	0.54	0.52	0.54	0.54
26	0.56	0.56	0.56	0.56	0.56	e0.55	e0.54	0.54	0.54	0.52	0.54	0.54
27	0.56	0.56	0.56	0.56	0.56	e0.55	e0.54	0.54	0.54	0.52	0.54	0.54
28	0.56	0.56	0.56	0.56	0.56	e0.55	e0.54	0.54	0.54	0.52	0.54	0.54
29	0.56	0.56	0.56	0.56	0.56	e0.55	e0.54	0.54	0.51	0.52	0.54	0.54
30	0.56	0.56	0.56	0.56	---	e0.55	e0.54	0.54	0.49	0.52	0.54	0.54
31	0.56	---	0.56	0.56	---	e0.55	---	0.54	---	0.52	0.54	---
TOTAL	17.36	16.80	17.36	17.36	16.24	17.35	16.28	16.74	16.12	15.73	16.43	16.20
MEAN	0.56	0.56	0.56	0.56	0.56	0.56	0.54	0.54	0.54	0.51	0.53	0.54
MAX	0.56	0.56	0.56	0.56	0.56	0.58	0.55	0.54	0.54	0.52	0.54	0.54
MIN	0.56	0.56	0.56	0.56	0.56	0.55	0.54	0.54	0.49	0.49	0.51	0.54
AC-FT	34	33	34	34	32	34	32	33	32	31	33	32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	0.56	0.56	0.55	0.55	0.54	0.54	0.56	0.54	0.55	0.55	0.55	0.55
MAX	0.59	0.62	0.61	0.65	0.56	0.56	0.57	0.57	0.59	0.61	0.62	0.63
(WY)	(2002)	(2000)	(2000)	(2000)	(2004)	(2004)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)
MIN	0.52	0.52	0.49	0.46	0.48	0.51	0.54	0.50	0.48	0.48	0.48	0.49
(WY)	(2001)	(2002)	(2002)	(2002)	(2002)	(2000)	(2004)	(2000)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	201.13		199.97			
ANNUAL MEAN	0.55		0.55		0.55	
HIGHEST ANNUAL MEAN					0.57	2001
LOWEST ANNUAL MEAN					0.50	2002
HIGHEST DAILY MEAN	0.58	Apr 14	0.58	Mar 3	0.67	Oct 19, 1999
LOWEST DAILY MEAN	0.54	Jan 1	0.49	Jun 30	0.45	Mar 8, 2000
ANNUAL SEVEN-DAY MINIMUM	0.54	Jan 1	0.49	Jun 30	0.45	Jan 10, 2002
MAXIMUM PEAK FLOW			0.59	Mar 3	0.70	Oct 16, 1999
MAXIMUM PEAK STAGE			4.00	Mar 3	4.04	Oct 16, 1999
ANNUAL RUNOFF (AC-FT)	399		397		397	
10 PERCENT EXCEEDS	0.56		0.56		0.62	
50 PERCENT EXCEEDS	0.55		0.55		0.55	
90 PERCENT EXCEEDS	0.54		0.52		0.49	

e Estimated

LOWER COLORADO RIVER BASIN-LAKE MEAD, LAKE MEAD

09419550 ROGERS SPRING NEAR OVERTON BEACH, NV

LOCATION.--Lat 36°22'36", long 114°26'33" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 12, T.18 S., R.67 E., Clark County, Hydrologic Unit 15010005, on left bank, in Lake Mead National Recreation Area, 6.6 mi southwest of Overton Beach, and 14 mi south of Overton on North Shore Road.

PERIOD OF RECORD.--August 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,570 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Minor temporary regulation for recreation upstream. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26 ft^3/s, August 16, 1990, from rating curve extended above 2.2 ft^3/s, on basis of velocity-area study; minimum daily, 0.90 ft^3/s, August 25, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3.4 ft^3/s, June 20, gage height, 1.07 ft; minimum daily discharge, 1.6 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.6	1.6	1.6
2	1.7	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.7	1.6	1.6
3	1.7	1.7	1.6	1.6	1.7	1.7	e1.7	e1.7	1.6	1.7	1.6	1.6
4	1.7	1.7	1.6	1.6	1.7	1.7	e1.7	e1.7	1.6	1.7	1.6	1.6
5	1.7	1.7	1.6	1.6	1.6	1.7	e1.7	e1.7	1.6	1.7	1.6	1.6
6	1.7	1.7	1.6	1.6	1.6	1.7	e1.7	e1.7	1.6	1.7	1.6	1.6
7	1.7	1.7	1.6	1.6	1.7	1.7	e1.7	e1.7	1.6	1.7	1.6	1.6
8	1.7	1.7	1.6	1.6	1.7	1.6	e1.7	1.7	1.6	1.7	1.6	1.6
9	1.7	1.7	1.6	1.6	1.7	1.7	e1.7	1.7	1.6	1.7	1.6	1.6
10	1.7	1.7	1.6	1.6	1.7	1.7	e1.7	1.7	1.6	1.7	1.6	1.6
11	1.7	1.7	1.6	1.6	1.7	e1.7	e1.7	1.7	1.6	1.7	1.6	1.6
12	1.7	1.7	1.6	1.6	1.7	e1.7	e1.7	1.7	1.6	1.7	1.6	1.6
13	1.7	1.7	1.6	1.6	1.7	e1.7	e1.7	1.7	1.7	1.7	1.6	1.6
14	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.7	1.6	1.7	1.6	1.6
15	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.7	1.7	1.7	1.6	1.6
16	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.6	1.7	1.6	1.6
17	1.7	1.7	1.6	1.6	1.7	e1.7	e1.7	1.6	1.6	1.7	1.6	1.6
18	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.7	1.7	1.6	1.6
19	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.6	1.7	1.6	1.6
20	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.7	1.7	1.6	1.6
21	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.6	1.7	1.6	1.6
22	1.7	1.7	1.6	1.6	1.7	e1.7	e1.7	1.6	1.6	1.6	1.6	1.6
23	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.6	1.6	1.6	1.6
24	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.6	1.6	1.6	1.6
25	1.7	1.7	1.6	1.6	1.7	e1.7	e1.7	1.6	1.6	1.6	1.6	1.6
26	1.7	1.7	1.6	1.6	1.7	e1.7	e1.7	1.6	1.6	1.6	1.6	1.6
27	1.7	1.7	1.6	1.6	1.7	e1.7	e1.7	1.6	1.6	1.6	1.6	1.6
28	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.6	1.6	1.6	1.6
29	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.7	1.6	1.6	1.6	1.6
30	1.7	1.7	1.6	1.7	---	e1.7	e1.7	1.6	1.6	1.6	1.6	1.6
31	1.7	---	1.6	1.7	---	e1.7	---	1.6	---	1.6	1.6	---
TOTAL	52.7	51.0	49.8	50.9	49.1	52.6	51.0	51.2	48.4	51.6	49.6	48.0
MEAN	1.70	1.70	1.61	1.64	1.69	1.70	1.70	1.65	1.61	1.66	1.60	1.60
MAX	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6
MIN	1.7	1.7	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.6	1.6
AC-FT	105	101	99	101	97	104	101	102	96	102	98	95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	1.69	1.68	1.66	1.65	1.66	1.63	1.62	1.62	1.67	1.67	1.68	1.67
MAX	1.85	1.92	1.89	2.16	2.28	1.94	1.82	1.80	1.89	1.88	2.02	1.91
(WY)	(2000)	(1991)	(1993)	(1993)	(1993)	(1993)	(2000)	(1995)	(1993)	(1993)	(1993)	(1993)
MIN	1.54	1.55	1.43	1.27	1.23	1.25	1.22	1.37	1.46	1.38	1.35	1.46
(WY)	(1996)	(1997)	(1997)	(1986)	(1992)	(1987)	(1987)	(1992)	(1992)	(1992)	(1992)	(1989)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	616.9		605.9			
ANNUAL MEAN	1.69		1.66		1.66	
HIGHEST ANNUAL MEAN					1.88	1993
LOWEST ANNUAL MEAN					1.47	1992
HIGHEST DAILY MEAN	1.7	Jan 1	1.7	Oct 1	2.8	Aug 16, 1990
LOWEST DAILY MEAN	1.6	Jun 29	1.6	Dec 3	0.90	Aug 25, 1992
ANNUAL SEVEN-DAY MINIMUM	1.6	Dec 3	1.6	Dec 3	1.1	Feb 25, 1986
MAXIMUM PEAK FLOW			3.4	Jun 20	26	Aug 16, 1990
MAXIMUM PEAK STAGE			1.07	Jun 20	3.31	Aug 16, 1990
ANNUAL RUNOFF (AC-FT)	1,220		1,200		1,200	
10 PERCENT EXCEEDS	1.7		1.7		1.8	
50 PERCENT EXCEEDS	1.7		1.7		1.7	
90 PERCENT EXCEEDS	1.7		1.6		1.5	

e Estimated

09419625 CORN CREEK SPRING AT NATIONAL FISH AND WILDLIFE HEADQUARTERS, NV

LOCATION.--Lat 36°26'20", long 115°21'26" referenced to North American Datum of 1927, in NW ¼ NE ¼ sec. 34, T.17 S., R.59 E., Clark County, Hydrologic Unit 15010015, in Desert National Wildlife Range, on right bank, at National Fish and Wildlife Headquarters complex, 4 mi east of U. S. Highway 95, and 20 mi northwest of Las Vegas.

PERIOD OF RECORD.--July 1985 to September 1994, January 1997 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,790 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except estimated daily discharges, which are poor. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1.10 ft^3/s, April 2, 1989, gage height, 1.44 ft; minimum daily, 0.20 ft^3/s, many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 0.35 ft^3/s, October 10, gage height, 1.00 ft; minimum daily discharge, 0.20 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.35	0.32	0.30	0.30	0.28	0.30	0.28	0.25	0.20	0.22	0.23	e0.25
2	e0.34	0.32	0.30	0.30	0.28	0.30	0.30	0.25	0.20	0.22	0.24	e0.25
3	e0.34	0.32	0.30	0.30	0.28	0.30	0.32	0.25	0.20	0.22	0.24	e0.25
4	e0.35	0.32	0.30	0.30	0.28	0.30	e0.32	0.24	0.20	0.22	0.23	e0.25
5	e0.35	0.32	e0.29	0.30	0.28	0.30	0.32	0.25	0.20	0.22	0.22	e0.25
6	e0.35	0.32	0.28	0.30	e0.29	0.30	0.29	0.26	0.20	0.22	0.22	e0.25
7	e0.35	0.32	0.27	0.30	e0.29	0.30	0.28	0.24	0.20	0.22	0.22	e0.26
8	e0.34	0.32	0.27	0.30	e0.29	0.29	0.30	0.24	0.21	0.22	0.22	e0.26
9	e0.34	0.32	0.28	0.30	e0.29	0.28	0.30	0.24	0.22	0.22	0.22	0.26
10	0.35	0.32	0.28	0.30	0.30	0.28	0.30	0.23	0.23	0.22	0.22	0.26
11	0.35	0.32	0.28	0.30	0.30	0.28	0.29	0.24	0.23	0.22	0.23	0.26
12	0.35	0.32	0.28	0.30	0.29	0.28	0.29	0.24	0.22	0.22	0.23	0.26
13	0.34	0.32	0.28	0.30	0.29	0.28	0.29	0.24	0.22	0.22	e0.23	0.26
14	0.34	0.32	0.28	0.30	0.29	0.28	0.29	0.24	0.22	0.22	e0.23	0.26
15	0.34	0.32	0.28	0.29	0.29	0.28	0.28	0.24	0.21	0.22	e0.23	0.26
16	0.34	0.32	0.28	0.29	0.29	0.28	0.27	e0.24	0.21	0.22	e0.23	0.26
17	0.34	0.32	0.28	0.28	0.29	0.28	0.26	e0.25	0.22	0.22	e0.23	0.26
18	0.35	0.32	0.28	0.28	0.30	0.27	0.29	e0.25	0.22	0.22	e0.23	0.26
19	0.35	0.32	0.28	0.28	0.30	0.26	0.29	e0.24	0.20	0.22	e0.23	0.26
20	0.35	0.32	0.28	0.28	0.30	0.26	0.29	e0.24	0.20	0.22	e0.23	0.26
21	0.35	0.32	0.28	0.28	0.30	0.26	0.30	e0.23	0.20	0.22	e0.24	0.26
22	0.35	0.31	0.28	0.28	0.30	0.26	0.30	e0.23	0.20	0.22	e0.24	0.26
23	0.35	0.30	0.28	0.28	0.30	0.26	0.28	e0.24	0.22	0.22	e0.24	0.26
24	0.34	0.30	0.28	0.28	0.30	0.26	0.26	e0.24	0.23	0.22	e0.24	0.26
25	0.34	0.30	0.28	0.28	0.30	0.26	0.26	0.24	e0.23	0.22	e0.24	0.26
26	0.34	0.30	0.30	0.28	0.30	0.26	0.26	0.24	e0.23	0.22	e0.24	0.26
27	0.34	0.30	0.30	0.28	0.30	0.27	0.26	0.24	e0.23	0.22	e0.24	0.27
28	0.35	0.30	0.30	0.28	0.30	0.28	0.25	0.21	e0.22	0.22	e0.24	0.27
29	0.34	0.30	0.30	0.28	0.30	0.28	0.26	0.20	0.22	0.22	e0.24	0.27
30	0.32	0.30	0.30	0.28	---	0.28	0.25	0.20	0.22	0.22	e0.24	0.26
31	0.32	---	0.30	0.28	---	0.28	---	0.20	---	0.22	e0.24	---
TOTAL	10.65	9.43	8.87	8.98	8.50	8.65	8.53	7.34	6.41	6.82	7.20	7.77
MEAN	0.34	0.31	0.29	0.29	0.29	0.28	0.28	0.24	0.21	0.22	0.23	0.26
MAX	0.35	0.32	0.30	0.30	0.30	0.30	0.32	0.26	0.23	0.22	0.24	0.27
MIN	0.32	0.30	0.27	0.28	0.28	0.26	0.25	0.20	0.20	0.22	0.22	0.25
AC-FT	21	19	18	18	17	17	17	15	13	14	14	15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	0.30	0.30	0.31	0.30	0.30	0.30	0.29	0.29	0.29	0.29	0.30	0.30
MAX	0.36	0.37	0.39	0.37	0.37	0.37	0.37	0.37	0.37	0.36	0.37	0.36
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(1999)	(2002)	(2002)	(2003)
MIN	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.21	0.22	0.23	0.25
(WY)	(1987)	(1987)	(1987)	(1987)	(1987)	(1987)	(1994)	(2004)	(2004)	(2004)	(2004)	(1987)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	116.94		99.15			
ANNUAL MEAN	0.32		0.27		0.30	
HIGHEST ANNUAL MEAN					0.37	2002
LOWEST ANNUAL MEAN					0.25	1987
HIGHEST DAILY MEAN	0.37	Aug 28	0.35	Oct 1	0.39	Oct 22, 2000
LOWEST DAILY MEAN	0.27	Dec 7	0.20	May 29	0.20	May 29, 2004
ANNUAL SEVEN-DAY MINIMUM	0.28	Dec 6	0.20	May 29	0.20	May 29, 2004
MAXIMUM PEAK FLOW			0.35	Oct 10	1.1	Apr 2, 1989
MAXIMUM PEAK STAGE			1.00	Oct 10	1.44	Apr 2, 1989
ANNUAL RUNOFF (AC-FT)	232		197		216	
10 PERCENT EXCEEDS	0.35		0.32		0.35	
50 PERCENT EXCEEDS	0.32		0.28		0.29	
90 PERCENT EXCEEDS	0.28		0.22		0.25	

e Estimated

094196497 GOWAN DETENTION BASIN OUTLET NEAR NORTH LAS VEGAS, NV

LOCATION.--Lat 36°14'35", long 115°09'24" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec. 04, T.20 S., R.61 E., Clark County, Hydrologic Unit 15010015, on downstream side of concrete box culvert on Camino Al Norte Road, 0.3 mi northeast of Craig Road, and 3.8 mi north of North Las Vegas.

DRAINAGE AREA.--113.06 mi^2.

PERIOD OF RECORD.--October 1991 to current year.

GAGE.--Water-stage recorder and recording tipping bucket rain gage with 0.04 inch increment. Elevation of gage is 2,060 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 1, 1995 at datum 9.0 ft lower.

REMARKS.--Records good. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 644 ft^3/s, August 9, 1997, gage height, 10.33 ft, maximum gage height, 11.55 ft, July 8, 1999; no flow at times, most years. Maximum daily precipitation, 1.32 inches, July 8, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 569 ft^3/s, February 26, gage height, 11.12 ft; minimum daily discharge, 0.00 ft^3/s, on many days. Maximum daily precipitation, 0.76 in., Feb. 22.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.16	0.08	0.00	0.31	0.00	0.29	0.08	0.84	0.27	0.18	1.0	0.29
2	0.06	0.09	0.00	0.03	0.04	5.3	15	0.76	0.29	0.23	1.2	0.24
3	0.11	0.12	0.00	0.00	4.0	0.45	7.8	0.00	0.33	0.25	0.60	0.30
4	0.08	0.05	0.14	0.00	3.0	0.15	1.3	1.1	0.56	0.18	0.23	0.15
5	0.02	0.00	0.20	0.11	0.92	0.07	0.54	0.68	0.78	0.00	0.26	0.16
6	0.07	e0.00	0.02	0.21	0.50	0.02	0.48	0.60	0.13	0.49	0.34	0.12
7	0.07	e0.00	0.00	0.11	0.50	0.03	0.28	0.81	0.19	0.23	0.29	0.20
8	0.02	e0.00	0.00	0.04	0.50	0.21	2.5	1.4	0.58	0.20	0.23	0.25
9	0.00	e0.00	0.00	0.05	0.50	0.22	1.1	0.86	0.70	0.18	0.17	1.3
10	0.00	e0.00	0.00	0.06	0.50	0.17	0.34	0.17	0.24	0.19	0.26	1.2
11	0.02	e0.00	7.0	0.03	0.50	0.13	0.85	0.30	0.28	0.21	0.34	0.36
12	0.00	e35	0.78	0.00	0.50	0.05	0.06	1.0	0.03	0.07	0.52	0.21
13	0.02	e1.0	0.11	0.00	0.50	0.07	0.22	0.53	0.05	0.45	0.40	0.23
14	0.05	0.17	0.46	0.04	0.50	0.09	0.26	0.52	e0.00	0.26	0.28	0.28
15	0.03	0.05	0.23	0.04	0.50	0.09	0.01	0.41	e0.00	0.40	4.9	0.22
16	0.03	1.4	0.02	0.07	0.50	0.00	0.24	0.28	e0.00	0.84	21	0.35
17	0.00	0.15	0.00	0.08	0.43	0.00	0.54	0.00	e0.00	1.2	9.0	0.27
18	0.03	0.09	0.00	0.13	e0.80	0.06	0.39	0.26	e0.01	0.74	0.80	0.19
19	0.02	0.09	0.00	0.00	e0.80	0.10	0.00	0.33	e0.01	0.22	0.46	0.18
20	0.06	0.10	0.06	0.10	1.2	0.19	0.00	0.20	e0.01	0.24	0.92	0.11
21	0.07	0.05	0.00	0.20	4.9	0.29	0.31	0.32	e0.00	0.31	0.99	0.09
22	0.04	0.00	0.21	0.03	18	0.22	0.00	0.24	e0.00	0.29	0.33	0.11
23	0.06	0.04	0.13	0.00	42	0.00	0.23	0.17	e0.00	0.29	0.17	0.11
24	0.02	0.02	0.74	0.06	e1.5	0.18	0.27	0.00	e0.00	0.23	0.41	0.13
25	0.04	0.03	14	0.00	e1.0	0.07	0.29	0.10	e0.01	0.19	0.29	0.11
26	0.00	0.00	8.4	0.04	195	0.22	0.41	0.48	e0.01	0.18	0.51	0.15
27	0.03	0.00	0.20	0.02	0.38	0.18	0.26	0.26	e0.01	0.17	0.37	0.26
28	0.01	0.00	0.01	0.67	0.07	0.18	0.36	0.15	e0.01	0.19	0.32	0.25
29	0.08	0.00	0.00	0.10	0.00	0.28	0.00	0.13	e0.01	0.23	0.38	0.34
30	0.13	0.11	4.4	0.03	---	0.51	0.28	0.15	0.26	0.22	0.28	0.12
31	0.14	---	0.51	0.09	---	0.16	---	0.14	---	0.20	0.50	---
TOTAL	1.47	38.64	37.62	2.65	279.54	9.98	34.40	13.19	4.77	9.26	47.75	8.28
MEAN	0.05	1.29	1.21	0.09	9.64	0.32	1.15	0.43	0.16	0.30	1.54	0.28
MAX	0.16	35	14	0.67	195	5.3	15	1.4	0.78	1.2	21	1.3
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.09
AC-FT	2.9	77	75	5.3	554	20	68	26	9.5	18	95	16
†	0.00	0.40	1.08	0.16	1.68	0.16	0.92	0.00	0.00	0.00	0.40	0.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	0.15	0.38	0.41	0.69	4.24	0.90	0.89	0.50	0.25	1.96	1.17	1.15
MAX	0.62	2.89	1.79	5.47	16.1	7.21	5.69	4.44	1.09	17.6	5.75	7.79
(WY)	(2001)	(1997)	(1995)	(1995)	(1998)	(1998)	(1997)	(1997)	(1997)	(1999)	(2000)	(1998)
MIN	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00
(WY)	(1992)	(1993)	(1994)	(1994)	(1999)	(1993)	(1992)	(1993)	(1993)	(1993)	(1993)	(1993)

094196497 GOWAN DETENTION BASIN OUTLET NEAR NORTH LAS VEGAS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	240.15		487.55			
ANNUAL MEAN	0.66		1.33		1.12	
HIGHEST ANNUAL MEAN					2.79	1998
LOWEST ANNUAL MEAN					0.04	2002
HIGHEST DAILY MEAN	45	Aug 19	195	Feb 26	290	Jul 9, 1999
LOWEST DAILY MEAN	0.00	Jan 6	0.00	Oct 9	0.00	Oct 1, 1991
ANNUAL SEVEN-DAY MINIMUM	0.00	Mar 31	0.00	Nov 5	0.00	Oct 1, 1991
MAXIMUM PEAK FLOW			569	Feb 26	644	Aug 9, 1997
MAXIMUM PEAK STAGE			11.12	Feb 26	11.55	Jul 8, 1999
ANNUAL RUNOFF (AC-FT)	476		967		811	
10 PERCENT EXCEEDS	0.50		0.88		0.48	
50 PERCENT EXCEEDS	0.02		0.18		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated
† Precipitaiton total, in inches.

094196557 LAS VEGAS CREEK AT MEADOWS DETENTION BASIN OUTLET AT LAS VEGAS

LOCATION.--Lat 36°10'30", long 115°10'50" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec. 29, T.20 S., R.61 E., Clark County, Hydrologic Unit 15010015, on right bank upstream of box culvert, 0.1 mi. downstream of Las Vegas Valley Water District reservoir, and 0.4 mi east of intersection of U.S. Highway 95 and Rancho Boulevard.

DRAINAGE AREA.--6.57 mi^2.

PERIOD OF RECORD.--March 1989 to March 2002, February 2003 to current year. Break in record due to rehabilitation project on detention basin. Records prior to October 1993 not published but are available in files of U.S. Geological Survey.

REVISED RECORDS.--WDR NV-99-1: 1996-98 (m).

GAGE.--Water-stage recorder and recording tipping bucket rain gage with 0.04 inch increment. Elevation of gage is 2,100 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to February 2003, at site 500 ft upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 620 ft^3/s, September 9, 2004, gage height, 10.90 ft; maximum gage height, 11.76 ft., June 10, 1990; no flow at times, some years. Maximum daily precipitation, 1.72 inches, February 8, 1993

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 620 ft^3/s, September 9, gage height, 10.90 ft; minimum daily discharge, 0.00 ft^3/s, on many days. Maximum daily precipitation, 1.15 in., December 25.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.44	0.42	e0.12	0.87	0.11	e0.30	0.00	0.00	0.21	0.00	e0.50	0.14
2	0.46	0.39	e0.13	0.32	0.11	e0.30	20	0.00	0.67	0.00	e1.5	0.02
3	0.38	0.43	e0.13	0.15	0.11	e0.30	14	0.00	0.54	0.00	0.38	0.00
4	0.42	0.35	e0.13	0.05	0.13	e0.20	0.53	0.00	0.42	0.00	0.03	0.02
5	0.37	0.18	e0.12	0.05	0.15	e0.20	0.08	0.00	0.29	0.00	0.00	0.02
6	0.43	0.07	e0.11	0.05	0.15	e0.20	0.03	0.00	0.00	0.00	0.00	0.00
7	0.39	0.03	e0.12	0.05	0.15	e0.10	0.03	0.00	0.00	0.00	0.00	0.00
8	0.34	0.00	0.11	0.05	0.15	e0.10	0.04	0.00	0.00	0.00	e0.00	0.00
9	0.37	0.00	e0.10	0.05	0.15	0.00	0.25	0.00	0.00	0.00	e0.00	64
10	0.38	0.03	e0.09	0.05	0.15	0.00	0.00	0.00	0.02	0.00	e0.00	224
11	0.36	0.09	4.4	0.07	0.15	0.00	0.00	0.00	0.04	0.00	0.00	0.01
12	0.35	4.1	2.5	0.07	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.02
13	0.34	1.8	0.99	0.07	0.15	0.00	0.23	0.00	0.00	0.00	0.00	0.00
14	0.41	0.49	0.52	0.07	0.15	0.00	0.03	0.00	0.00	0.00	0.00	0.01
15	0.40	0.31	0.22	0.07	0.15	0.00	0.00	0.00	0.00	0.00	1.6	0.02
16	0.49	1.6	0.14	0.33	0.17	0.00	0.00	0.00	0.00	0.00	3.6	0.02
17	0.42	0.53	0.00	0.34	0.20	0.00	0.00	0.00	0.06	11	0.33	0.01
18	0.45	e0.35	0.03	0.44	0.98	0.00	0.00	0.00	0.08	0.58	0.13	0.00
19	0.43	e0.29	0.03	0.60	2.1	0.00	0.00	0.00	0.00	0.10	0.07	0.00
20	0.47	e0.28	0.03	0.77	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.01
21	0.39	e0.28	0.03	1.7	13	0.00	0.00	0.00	0.00	0.00	0.00	0.01
22	0.50	e0.26	0.03	1.9	e25	0.00	0.00	0.00	0.00	0.00	0.01	0.00
23	0.42	e0.24	0.03	1.2	e15	0.00	0.00	0.00	0.00	0.00	0.03	0.00
24	0.41	e0.22	0.14	0.11	2.1	0.00	0.00	0.00	0.16	0.00	0.04	0.02
25	0.33	e0.20	0.46	0.11	1.2	0.00	0.00	0.00	0.16	0.00	0.02	0.00
26	0.36	e0.18	7.0	1.8	12	0.00	0.00	0.00	0.00	0.00	0.01	0.01
27	0.47	e0.16	0.94	0.11	2.9	0.00	0.00	0.00	0.00	0.00	0.00	0.01
28	0.49	e0.16	0.54	1.7	e0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.01
29	4.0	e0.13	0.35	1.3	e0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.01
30	1.1	e0.13	9.1	2.2	---	0.00	0.00	0.00	0.00	0.00	0.00	0.01
31	0.68	---	1.8	0.11	---	0.00	---	0.00	---	e0.00	0.09	---
TOTAL	17.25	13.70	30.44	16.76	79.76	1.70	35.22	0.00	2.65	11.68	8.34	288.38
MEAN	0.56	0.46	0.98	0.54	2.75	0.05	1.17	0.00	0.09	0.38	0.27	9.61
MAX	4.0	4.1	9.1	2.2	25	0.30	20	0.00	0.67	11	3.6	224
MIN	0.33	0.00	0.00	0.05	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	34	27	60	33	158	3.4	70	0.00	5.3	23	17	572
†	0.00	1.57	2.11	0.00	2.24	0.20	1.48	0.00	0.04	0.12	0.48	0.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	0.50	0.53	0.53	0.72	1.24	0.79	0.65	0.83	0.84	1.11	0.85	1.44
MAX	1.35	1.43	2.01	4.46	3.64	2.15	1.79	3.16	2.63	6.17	2.97	9.61
(WY)	(1994)	(1997)	(1995)	(1995)	(2001)	(1992)	(1996)	(1997)	(1997)	(1999)	(1997)	(2004)
MIN	0.08	0.07	0.11	0.10	0.10	0.05	0.20	0.00	0.09	0.14	0.27	0.21
(WY)	(1996)	(2001)	(2001)	(1994)	(1996)	(2004)	(1992)	(2004)	(2004)	(1992)	(2004)	(2000)

094196557 LAS VEGAS CREEK AT MEADOWS DETENTION BASIN OUTLET AT LAS VEGAS—Continued

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	505.88			
ANNUAL MEAN	1.38		0.87	
HIGHEST ANNUAL MEAN			1.41	1997
LOWEST ANNUAL MEAN			0.38	1991
HIGHEST DAILY MEAN	224	Sep 10	224	Sep 10, 2004
LOWEST DAILY MEAN	0.00	Nov 8	0.00	Nov 8, 2003
ANNUAL SEVEN-DAY MINIMUM	0.00	Mar 9	0.00	Mar 9, 2004
MAXIMUM PEAK FLOW	620	Sep 9	620	Sep 9, 2004
MAXIMUM PEAK STAGE	10.90	Sep 9	11.76	Jun 10, 1990
ANNUAL RUNOFF (AC-FT)	1,000		634	
10 PERCENT EXCEEDS	0.95		1.4	
50 PERCENT EXCEEDS	0.03		0.30	
90 PERCENT EXCEEDS	0.00		0.08	

e Estimated
† Precipitaiton total, in inches.

09419658 LAS VEGAS WASH NEAR SAHARA AVENUE NEAR LAS VEGAS, NV

LOCATION.--Lat 36°08'47", long 115°03'07" referenced to North American Datum of 1927, in SW ¼ SE ¼ sec. 04, T.21 S., R.62 E., Clark County, Hydrologic Unit 15010015, on south side of golf cart bridge, 1,200 ft south at Sahara Avenue and 0.5 mi east of Nellis Boulevard.

DRAINAGE AREA.--1,146 mi^2.

PERIOD OF RECORD.--March 1988 to current year.

GAGE.--Water-stage recorder and recording tipping bucket rain gage with 0.01 inch increment. Elevation of gage is 1,715 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 14, 1994, at site 1,200 ft upstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,100 ft^3/s, July 8, 1999, gage height, 13.69 ft; no flow many days, some years. Maximum daily precipitation, 1.56 inches, June 10, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,080 ft^3/s, February 22, gage height, 12.19 ft; minimum daily discharge, 0.94 ft^3/s, March 23. Maximum daily precipitation, 0.62 in., April 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	e3.3	4.4	7.4	5.1	3.7	4.0	2.3	3.7	2.2	2.7	3.1
2	4.1	e3.2	4.4	9.1	4.8	28	470	2.6	6.9	2.2	8.8	3.1
3	4.0	e3.1	4.4	9.1	11	3.8	282	4.2	3.9	2.2	5.9	3.1
4	5.0	e3.6	4.4	9.1	6.7	3.7	8.7	e3.4	1.8	2.2	2.7	3.1
5	3.5	3.7	4.4	9.1	4.8	3.6	4.1	e2.9	3.1	2.2	2.7	3.1
6	3.2	3.7	4.4	9.1	4.8	3.5	2.5	e2.4	2.8	2.2	2.7	3.1
7	3.7	3.7	4.4	8.8	4.8	3.5	2.0	2.3	1.8	2.3	2.7	3.6
8	2.0	3.7	4.4	7.9	4.8	3.4	3.5	2.9	1.9	2.3	2.7	3.7
9	3.3	3.9	4.4	5.0	4.9	3.3	9.1	3.6	1.8	2.3	2.7	40
10	3.4	3.9	4.4	4.6	7.0	2.6	1.7	3.9	1.9	2.6	2.7	9.9
11	2.0	3.9	150	4.6	8.5	1.4	0.95	4.1	1.9	2.7	2.8	3.2
12	1.9	144	30	4.6	5.0	1.4	1.7	2.8	1.9	2.5	8.0	3.2
13	2.0	53	8.3	4.8	5.0	1.4	2.2	4.1	1.9	2.4	88	3.2
14	2.1	15	14	4.8	5.0	1.4	2.9	4.7	1.9	2.3	3.0	3.2
15	2.2	15	9.7	4.8	5.0	1.4	3.8	5.6	1.9	2.3	73	3.2
16	2.3	26	8.3	4.8	5.0	1.3	4.8	4.5	3.9	5.0	290	3.2
17	2.3	13	8.3	4.8	5.0	1.3	6.5	1.9	6.6	22	119	3.2
18	2.3	12	8.3	4.8	5.0	1.2	7.8	3.4	3.9	21	6.8	3.2
19	2.3	11	8.3	4.8	5.0	1.2	9.4	3.3	2.0	5.8	3.4	3.1
20	2.4	9.1	7.6	5.4	6.0	1.1	10	1.5	2.0	2.5	3.2	3.1
21	2.3	5.6	5.1	7.3	223	1.0	9.6	1.7	2.0	2.5	10	3.1
22	2.2	5.2	4.6	7.2	680	0.99	5.8	1.6	2.0	2.5	4.3	5.1
23	2.2	5.6	4.6	6.9	781	0.94	1.7	1.5	2.0	2.5	5.9	4.9
24	2.2	4.2	9.6	6.1	14	1.1	1.6	1.5	2.0	2.5	4.9	3.2
25	2.2	4.2	281	4.8	5.6	2.8	1.6	1.5	2.2	2.5	3.2	3.2
26	2.2	4.2	177	6.0	64	2.8	1.8	1.5	2.2	2.5	3.2	3.2
27	2.3	4.2	9.1	6.6	4.0	2.8	1.7	2.1	2.1	2.5	3.2	3.2
28	2.3	4.2	9.0	8.6	3.9	2.9	1.3	1.7	2.2	2.5	3.2	4.0
29	5.0	4.4	7.4	8.1	3.8	2.8	1.6	1.7	2.2	2.5	3.2	3.2
30	e3.2	4.4	149	7.0	---	3.1	1.8	1.7	2.2	2.6	3.2	3.2
31	e3.5	---	10	8.4	---	3.4	---	1.8	---	2.6	3.2	---
TOTAL	87.6	384.0	963.2	204.4	1,892.5	96.83	866.15	84.7	78.6	118.9	681.0	143.9
MEAN	2.83	12.8	31.1	6.59	65.3	3.12	28.9	2.73	2.62	3.84	22.0	4.80
MAX	5.0	144	281	9.1	781	28	470	5.6	6.9	22	290	40
MIN	1.9	3.1	4.4	4.6	3.8	0.94	0.95	1.5	1.8	2.2	2.7	3.1
AC-FT	174	762	1,910	405	3,750	192	1,720	168	156	236	1,350	285
†	0.00	0.54	0.82	0.03	1.13	0.07	0.92	0.00	0.00	0.24	0.01	0.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	3.29	3.98	5.57	7.71	21.1	7.57	5.64	3.46	3.65	6.92	8.41	6.92
MAX	13.0	12.8	31.1	50.0	65.3	44.0	28.9	6.16	12.9	59.0	24.2	41.9
(WY)	(1993)	(2004)	(2004)	(1995)	(2004)	(1992)	(2004)	(1989)	(1990)	(1999)	(2003)	(1997)
MIN	0.73	0.18	0.02	0.00	0.77	0.94	0.85	1.33	0.74	0.74	1.01	0.96
(WY)	(1990)	(1996)	(1996)	(1991)	(1996)	(1990)	(1996)	(1990)	(1989)	(1989)	(1992)	(1992)

09419658 LAS VEGAS WASH NEAR SAHARA AVENUE NEAR LAS VEGAS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1988 - 2004	
ANNUAL TOTAL	4,536.2	5,601.78		
ANNUAL MEAN	12.4	15.3	7.06	
HIGHEST ANNUAL MEAN			15.3	2004
LOWEST ANNUAL MEAN				

09419659 SLOAN CHANNEL TRIBUTARY AT LAS VEGAS BOULEVARD NEAR NORTH LAS VEGAS

LOCATION (REVISED).--Lat 36°13'43.11", long 115°04'27.41" referenced to North American Datum of 1983, in SE ¼ NW ¼ sec. 08, T.20 S., R.62 E., Clark County, Hydrologic Unit 15010015, on downstream side of concrete box culvert on Las Vegas Boulevard, 0.25 mi east of Lamb Boulevard, and 3.2 mi northeast of North Las Vegas.

DRAINAGE AREA.--17.51 mi^2.

PERIOD OF RECORD.--January 1988 to current year.

REVISED RECORDS.--WDR NV-98-1: 1994(M).

GAGE.--Water-stage recorder and recording tipping bucket rain gage with 0.04 inch increment. Elevation of gage is 1,850.03 ft above National American Vertical Datum of 1988.

REMARKS.--Records good. See schematic diagram of Lower Colorado River Basins. Records prior to 1994 water year were not published but are available in files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 920 ft^3/s, September 11, 1998, gage height, 15.34 ft; no flow most days, most years. Maximum daily precipitation, 1.92 inches, September 11, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31 ft^3/s, August 12, gage height, 10.56 ft; minimum daily discharge, 0.00 ft^3/s, on many days. Maximum daily precipitation, 0.84 in., April 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	2.2	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	0.00	1.30	0.00	1.71	0.00	2.55	0.00	0.00	0.00	0.66	0.00
MEAN	0.00	0.00	0.04	0.00	0.06	0.00	0.09	0.00	0.00	0.00	0.02	0.00
MAX	0.00	0.00	1.3	0.00	1.5	0.00	2.2	0.00	0.00	0.00	0.66	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	2.6	0.00	3.4	0.00	5.1	0.00	0.00	0.00	1.3	0.00
†	0.00	0.48	0.88	0.04	1.64	0.08	1.16	0.00	0.20	0.00	0.44	0.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	0.01	0.00	0.02	0.02	0.18	0.13	0.01	0.01	0.01	0.08	0.09	0.15
MAX	0.10	0.01	0.23	0.14	0.80	1.30	0.09	0.19	0.11	1.05	0.67	2.22
(WY)	(1993)	(1997)	(1992)	(1995)	(1998)	(1992)	(2004)	(1989)	(1990)	(1999)	(1997)	(1998)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1989)	(1989)	(1989)	(1989)	(1988)	(1988)	(1988)	(1988)	(1988)	(1988)	(1988)	(1988)

09419659 SLOAN CHANNEL TRIBUTARY AT LAS VEGAS BOULEVARD NEAR NORTH LAS VEGAS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	10.12		6.22			
ANNUAL MEAN	0.03		0.02		0.06	
HIGHEST ANNUAL MEAN					0.26	1998
LOWEST ANNUAL MEAN					0.00	1996
HIGHEST DAILY MEAN	4.7	Feb 28	2.2	Apr 2	65	Sep 11, 1998
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Jan 26, 1988
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Jan 26, 1988
MAXIMUM PEAK FLOW			31	Aug 12	920	Sep 11, 1998
MAXIMUM PEAK STAGE			10.56	Aug 12	15.34	Sep 11, 1998
ANNUAL RUNOFF (AC-FT)	20		12		44	
10 PERCENT EXCEEDS	0.00		0.00		0.00	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

† Precipitaiton total, in inches.

09419665 SLOAN CHANNEL AT CHARLESTON BOULEVARD NEAR LAS VEGAS, NV

LOCATION.--Lat 36°09'35", long 115°02'40" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 33, T.20 S., R.62 E., Clark County, Hydrologic Unit 15010015, on upstream side of box culvert on Charleston Boulevard, and 1.0 mi east of Nellis Boulevard.

DRAINAGE AREA.--144 mi^2.

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Water-stage recorder and recording tipping bucket rain gage with 0.04 inch increment. Elevation of gage is 1,730 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair above 10 ft^3/s, and poor below. Prior to May 24, 2001 flows below 50 ft^3/s not recorded by gage. After May 24, 2001 all flows recorded by gage. Estimated daily discharges during periods of base flow are only an indication of some small amount of flow at site. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,860 ft^3/s, September 9, 2004, gage height, 11.68 ft; no flow at times, most years. Maximum daily precipitation, 1.72 in, February 8, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,860 ft^3/s, September 9, gage height, 11.68 ft; minimum daily discharge, 0.02 ft^3/s, December 8, 9. Maximum daily precipitation, 0.84 in, April 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.15	1.8	0.11	0.12	0.06	0.06	14	0.22	0.20	0.34	0.25	0.33
2	0.14	0.67	0.19	0.07	0.06	1.7	55	0.21	0.21	0.33	0.25	0.42
3	0.12	1.9	0.16	0.06	0.84	0.04	19	0.24	0.20	0.37	0.26	0.33
4	0.12	1.7	0.15	0.06	0.07	0.04	0.21	0.27	0.19	0.39	0.29	0.39
5	0.12	1.2	0.11	0.06	0.05	0.05	0.18	0.23	0.20	0.42	0.29	0.36
6	0.12	0.54	0.11	0.07	0.06	0.05	0.17	0.21	0.20	0.42	0.30	0.35
7	0.12	0.51	0.05	0.08	0.06	0.04	0.14	0.18	0.22	0.45	0.28	0.32
8	0.11	0.46	0.02	0.07	0.06	0.04	0.20	0.20	0.23	0.39	0.30	0.46
9	0.12	0.64	0.02	0.13	0.07	0.04	0.10	0.21	0.32	0.39	0.30	60
10	0.11	0.49	0.04	0.21	0.11	0.04	0.12	0.25	0.34	0.48	0.31	0.20
11	0.12	0.47	8.1	0.20	0.10	0.03	0.17	0.24	0.30	0.44	0.33	0.16
12	0.12	15	0.22	0.20	0.09	0.04	0.18	0.18	0.31	0.34	1.2	0.17
13	0.11	0.49	0.13	0.62	0.11	0.05	0.18	0.17	0.33	0.34	6.9	0.17
14	0.12	0.14	3.6	0.06	0.11	0.04	0.19	0.17	0.39	0.34	0.14	0.18
15	0.25	0.14	0.09	0.06	0.11	0.04	0.20	0.15	0.28	0.32	0.14	0.19
16	0.39	0.32	0.16	0.05	0.11	0.05	0.20	0.16	0.20	0.20	0.14	0.23
17	0.38	0.16	0.16	0.10	0.11	0.05	0.24	0.19	0.62	0.78	0.15	0.23
18	0.41	0.17	0.17	0.08	0.12	0.05	0.23	0.63	0.16	0.08	0.18	0.27
19	0.39	0.15	0.18	0.09	0.11	0.06	0.23	0.11	0.20	0.12	0.22	0.36
20	0.31	0.16	0.18	0.10	0.29	0.12	0.19	0.12	0.21	0.16	0.58	0.43
21	0.26	0.17	0.16	0.09	1.3	0.11	0.17	0.15	0.25	0.20	0.15	0.43
22	0.19	0.18	0.18	0.10	45	0.12	0.23	0.15	0.28	0.20	0.24	0.38
23	0.14	0.17	0.17	0.11	58	0.16	0.25	0.15	0.30	0.20	0.26	0.39
24	0.11	0.16	0.12	0.10	0.09	0.18	0.27	0.15	0.33	0.21	0.21	0.41
25	0.15	0.17	15	0.12	0.07	0.21	0.26	0.14	0.32	0.21	0.26	0.43
26	0.18	0.17	11	0.12	18	0.28	0.26	0.15	0.26	0.21	0.32	0.48
27	0.15	0.20	0.06	0.11	0.09	0.24	0.29	0.19	0.29	0.26	0.27	0.52
28	0.14	0.13	0.05	0.11	0.06	1.5	0.33	0.20	0.29	0.21	0.32	0.56
29	0.66	0.11	0.06	0.13	0.06	2.1	0.26	0.17	0.33	0.24	0.32	0.56
30	1.7	0.10	3.7	0.11	---	1.3	0.22	0.21	0.35	0.28	0.32	0.62
31	1.6	---	0.04	0.28	---	1.2	---	0.18	---	0.24	0.32	---
TOTAL	9.11	28.67	44.49	3.87	125.37	10.03	93.67	6.18	8.31	9.56	15.80	70.33
MEAN	0.29	0.96	1.44	0.12	4.32	0.32	3.12	0.20	0.28	0.31	0.51	2.34
MAX	1.7	15	15	0.62	58	2.1	55	0.63	0.62	0.78	6.9	60
MIN	0.11	0.10	0.02	0.05	0.05	0.03	0.10	0.11	0.16	0.08	0.14	0.16
AC-FT	18	57	88	7.7	249	20	186	12	16	19	31	139
†	0.00	0.64	0.76	0.04	1.56	0.04	1.28	0.00	0.00	0.08	0.00	0.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	0.29	0.22	0.18	0.25	1.72	0.33	0.28	0.09	0.25	0.52	0.51	0.68
MAX	2.39	1.15	1.44	1.97	5.31	2.73	3.12	0.42	1.43	2.43	2.58	7.59
(WY)	(1993)	(1992)	(2004)	(1992)	(2003)	(1992)	(2004)	(2003)	(1990)	(1998)	(1997)	(1998)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1989)	(1989)	(1989)	(1990)	(1989)	(1988)	(1988)	(1988)	(1988)	(1988)	(1990)	(1988)

09419665 SLOAN CHANNEL AT CHARLESTON BOULEVARD NEAR LAS VEGAS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	393.90		425.39			
ANNUAL MEAN	1.08		1.16		0.45	
HIGHEST ANNUAL MEAN					1.46	1998
LOWEST ANNUAL MEAN					0.00	1996
HIGHEST DAILY MEAN	58	Feb 28	60	Sep 9	208	Sep 11, 1998
LOWEST DAILY MEAN	0.02	Dec 8	0.02	Dec 8	0.00	Mar 1, 1988
ANNUAL SEVEN-DAY MINIMUM	0.05	Jul 22	0.04	Mar 6	0.00	Mar 1, 1988
MAXIMUM PEAK FLOW			1,860	Sep 9	1,860	Sep 9, 2004
MAXIMUM PEAK STAGE			11.68	Sep 9	11.72	Aug 9, 1997
ANNUAL RUNOFF (AC-FT)	781		844		324	
10 PERCENT EXCEEDS	1.0		0.59		0.29	
50 PERCENT EXCEEDS	0.25		0.20		0.00	
90 PERCENT EXCEEDS	0.05		0.06		0.00	

† Precipitaiton total, in inches.

09419674 FLAMINGO WASH AT DECATUR BOULEVARD AT LAS VEGAS, NV

LOCATION.--Lat 36°06'10", long 115°12'25" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 24, T.21 S., R.60 E., Clark County, Hydrologic Unit 15010015, on upstream middle concrete box culvert on Decatur Boulevard, and 0.1 mi north of Tropicana Avenue.

DRAINAGE AREA.--100.57 mi^2.

PERIOD OF RECORD.--November 1965 to September 1989, operated as miscellaneous partial record site and published as "09419675 Flamingo Wash at Las Vegas, NV". October 1989 to current year. Records prior to February 1992 not published but are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder and recording tipping bucket rain gage with 0.04 inch increment. Elevation of gage is 2,233.40 ft above National American Vertical Datum of 1988.

REMARKS.--No estimated daily discharges. Records good. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,760 ft^3/s, August 10, 1983, gage height, 21.76 ft; no flow most of time. Maximum daily precipitation, 1.52 inches, February 8, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 135 ft^3/s, November 12, gage height, 10.72 ft; minimum daily discharge, 0.00 ft^3/s, on many days. Maximum daily precipitation, 0.92 in., February 22.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	8.0	20	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	9.0	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.3	0.00
13	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.0	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.5	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	4.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	7.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	3.6	0.00	9.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	2.2	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	13.76	24.53	0.00	47.40	8.00	29.00	0.00	0.00	4.50	8.41	0.30
MEAN	0.00	0.46	0.79	0.00	1.63	0.26	0.97	0.00	0.00	0.15	0.27	0.01
MAX	0.00	12	11	0.00	21	8.0	20	0.00	0.00	4.5	7.0	0.30
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	27	49	0.00	94	16	58	0.00	0.00	8.9	17	0.6
†	0.00	0.55	1.37	0.00	1.77	0.23	0.93	0.00	0.04	0.13	0.55	0.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	0.16	0.25	0.30	0.66	2.40	0.83	0.25	0.02	0.05	1.20	0.49	0.78
MAX	0.77	2.02	1.61	5.33	7.74	7.90	2.13	0.23	0.27	11.8	1.97	6.49
(WY)	(2001)	(1997)	(1995)	(1995)	(1993)	(1992)	(1999)	(1992)	(1999)	(1999)	(1997)	(1997)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1994)	(1993)	(1994)	(1994)	(1995)	(1993)	(1992)	(1993)	(1993)	(1992)	(1992)	(1992)

09419674 FLAMINGO WASH AT DECATUR BOULEVARD AT LAS VEGAS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	229.88		135.90			
ANNUAL MEAN	0.63		0.37		0.57	
HIGHEST ANNUAL MEAN					1.29	1999
LOWEST ANNUAL MEAN					0.07	1996
HIGHEST DAILY MEAN	106	Feb 13	21	Feb 22	331	Jul 8, 1999
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Feb 1, 1992
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Feb 20, 1992
MAXIMUM PEAK FLOW			135	Nov 12	4,760	Aug 10, 1983
MAXIMUM PEAK STAGE			10.72	Nov 12	21.76	Aug 10, 1983
ANNUAL RUNOFF (AC-FT)	456		270		410	
10 PERCENT EXCEEDS	0.00		0.00		0.00	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

† Precipitaiton total, in inches.

094196781 FLAMINGO WASH AT NELLIS BOULEVARD NEAR LAS VEGAS, NV

LOCATION.--Lat 36°08'35", long 115°03'53" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 08, T.21 S., R.62 E., Clark County, Hydrologic Unit 15010015, on west side of concrete box culvert on Nellis Boulevard, and 0.25 mi north of Sahara Avenue.

DRAINAGE AREA.--215 mi^2.

PERIOD OF RECORD.--March 1988 to current year. Water year 1988-89 not published but are available in files of the U.S. Geological Survey. Computations of 1988 water year did not include daily base flow.

REVISIONS.--WDR NV-96-1: 1995.

GAGE.--Water-stage recorder and recording tipping bucket rain gage with 0.04 inch increment. Elevation of gage is 1,730 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,600 ft^3/s, July 8, 1999, gage height, 15.43 ft, on basis of slope-area measurement of peak flow; maximum gage height, 15.90 ft, June 10, 1990; minimum daily, 1.3 ft^3/s, April 4, 2004. Maximum daily precipitation, 1.52 inches, June 10, 1990 and February 8, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,770 ft^3/s, August 16, gage height, 13.20 ft; minimum daily discharge, 1.3 ft^3/s, April 4. Maximum daily precipitation, 0.65 in, April 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	3.9	5.4	4.5	3.9	9.3	3.9	12	e7.1	8.3	5.3	7.2
2	6.3	3.8	7.1	4.3	3.9	36	8.1	11	e7.8	7.1	e9.7	6.9
3	6.3	e4.2	7.6	4.3	4.2	8.9	2.5	11	e7.4	5.8	e6.4	6.0
4	6.2	e5.2	6.9	4.3	4.0	8.3	1.3	9.6	e7.3	5.0	4.5	6.0
5	6.1	e4.6	6.2	4.4	3.9	8.1	6.0	9.2	e7.5	4.6	e4.2	6.0
6	5.8	e4.5	5.5	4.4	3.9	8.1	8.2	9.6	e7.4	4.3	4.6	6.2
7	6.0	4.1	5.1	4.1	3.9	8.3	6.3	16	e7.2	4.6	4.8	6.3
8	6.1	4.7	5.2	3.8	3.9	8.3	5.2	14	e7.3	3.9	5.0	7.2
9	5.9	5.9	5.5	3.7	4.0	8.0	4.2	12	e7.5	3.8	11	11
10	6.0	8.8	5.7	3.3	3.9	7.3	4.2	12	e7.7	3.7	14	4.6
11	6.3	13	81	3.2	3.9	7.2	4.0	12	e7.7	3.6	10	4.4
12	6.5	97	16	3.7	3.9	7.2	6.0	12	e7.7	3.5	61	4.3
13	6.8	158	13	4.0	3.9	6.7	e7.8	e10	e7.6	3.4	12	4.3
14	6.5	5.9	13	4.2	3.8	6.3	e7.9	e8.9	e7.7	3.3	3.3	4.3
15	5.7	5.9	12	3.9	3.8	5.9	e8.0	e8.5	e7.7	e3.3	3.4	4.5
16	5.0	14	12	3.9	3.8	6.2	e8.3	e8.5	e8.3	e4.8	160	4.5
17	4.7	7.5	12	3.9	3.8	6.4	e8.8	e8.6	e8.8	e17	7.1	4.5
18	4.5	5.8	12	3.9	3.8	e6.7	e8.9	e8.4	e7.9	e15	3.5	4.5
19	4.4	5.1	12	3.9	3.8	e6.6	e9.3	e8.5	e7.7	e6.3	3.6	4.5
20	4.4	5.2	13	3.9	4.0	e6.6	e9.7	e9.0	e7.6	5.9	3.5	4.5
21	4.1	5.2	13	3.9	16	e7.1	e9.8	e8.6	e7.6	e5.3	3.5	4.7
22	3.9	4.7	11	3.9	21	e7.4	e9.9	e7.3	e7.9	e5.3	3.5	4.8
23	3.8	4.7	11	3.9	25	e7.4	e10	e7.7	e7.9	e5.6	6.8	4.9
24	3.6	5.2	12	3.9	41	e7.3	e10	e7.8	7.6	e5.2	4.8	5.1
25	3.5	5.1	62	3.8	22	e7.8	e10	e8.4	7.7	4.5	5.1	5.5
26	3.5	5.0	15	3.9	64	e7.7	e11	e7.6	8.2	e5.1	5.1	5.8
27	3.5	4.9	5.3	3.9	11	e6.9	e11	e6.4	8.3	e5.4	5.4	6.3
28	3.4	4.9	5.2	3.9	9.1	e5.5	13	e5.4	8.0	e5.0	5.7	7.0
29	3.4	4.9	5.2	3.9	9.0	e4.9	12	e5.1	8.1	e4.8	6.1	7.0
30	3.3	5.0	14	3.9	---	4.1	12	e4.9	8.2	e4.6	6.8	7.4
31	3.4	---	5.2	3.9	---	3.9	---	e4.7	---	e4.9	7.3	---
TOTAL	155.3	416.7	415.1	122.4	296.1	246.4	237.3	284.7	232.4	172.9	397.0	170.2
MEAN	5.01	13.9	13.4	3.95	10.2	7.95	7.91	9.18	7.75	5.58	12.8	5.67
MAX	6.8	158	81	4.5	64	36	13	16	8.8	17	160	11
MIN	3.3	3.8	5.1	3.2	3.8	3.9	1.3	4.7	7.1	3.3	3.3	4.3
AC-FT	308	827	823	243	587	489	471	565	461	343	787	338
†	0.00	0.52	0.75	0.05	1.19	0.08	1.09	0.00	0.00	0.28	0.00	0.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	8.02	8.28	8.84	9.48	13.8	9.95	7.38	6.79	6.82	12.0	9.36	9.71
MAX	15.2	13.9	21.1	40.1	35.9	38.7	15.1	9.92	12.7	56.2	22.3	29.4
(WY)	(2001)	(2004)	(1995)	(1995)	(1998)	(1992)	(2003)	(2003)	(1990)	(1999)	(2003)	(1997)
MIN	3.56	4.58	4.30	3.90	3.43	3.86	3.86	3.64	4.41	5.58	4.55	5.67
(WY)	(1992)	(1990)	(1991)	(1999)	(1999)	(1990)	(1991)	(1990)	(1994)	(2004)	(1998)	(2004)

094196781 FLAMINGO WASH AT NELLIS BOULEVARD NEAR LAS VEGAS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	4,584.1		3,146.5			
ANNUAL MEAN	12.6		8.60		9.18	
HIGHEST ANNUAL MEAN					12.7	2003
LOWEST ANNUAL MEAN					5.57	1991
HIGHEST DAILY MEAN	318	Aug 19	160	Aug 16	613	Jul 8, 1999
LOWEST DAILY MEAN	3.3	Oct 30	1.3	Apr 4	1.3	Apr 4, 2004
ANNUAL SEVEN-DAY MINIMUM	3.4	Oct 25	3.4	Oct 25	1.8	Oct 31, 1991
MAXIMUM PEAK FLOW			1,770	Aug 16	5,600	Jul 8, 1999
MAXIMUM PEAK STAGE			13.20	Aug 16	15.90	Jun 10, 1990
ANNUAL RUNOFF (AC-FT)	9,090		6,240		6,650	
10 PERCENT EXCEEDS	14		12		10	
50 PERCENT EXCEEDS	8.3		6.0		6.6	
90 PERCENT EXCEEDS	5.2		3.8		3.9	

e Estimated
† Precipitaiton total, in inches.

094196783 LAS VEGAS WASH BELOW FLAMINGO WASH CONFLUENCE NEAR LAS VEGAS, NV

LOCATION.--Lat 36°08'23", long 115°02'49" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec. 09, T.21 S., R.62 E., Clark County, Hydrologic Unit 15010015, about 300 ft downstream from Flamingo Wash Confluence, 0.2 mi north of Vegas Valley Drive, and 0.3 mi south of Sahara Ave.

DRAINAGE AREA.--1,352 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water stage recorder. Elevation of gage is 1,710 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,000 ft^3/s, July 8, 1999, gage height, 31.00 ft; minimum daily, 4.7 ft^3/s, May 5, 1997. Maximum daily precipitation. 0.34 inches, February 12, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,120 ft

094196783 LAS VEGAS WASH BELOW FLAMINGO WASH CONFLUENCE NEAR LAS VEGAS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	8,501.2		8,077.4			
ANNUAL MEAN	23.3		22.1		19.5	
HIGHEST ANNUAL MEAN					27.2	1998
LOWEST ANNUAL MEAN					10.6	2002
HIGHEST DAILY MEAN	565	Feb 26	647	Feb 23	1,560	Jul 8, 1999
LOWEST DAILY MEAN	6.4	Jul 13	5.6	May 30	4.7	May 5, 1997
ANNUAL SEVEN-DAY MINIMUM	6.8	Jul 9	6.7	Sep 24	4.9	Dec 23, 1997
MAXIMUM PEAK FLOW			3,120	Dec 25	11,000	Jul 8, 1999
MAXIMUM PEAK STAGE			22.72	Dec 25	31.00	Jul 8, 1999
ANNUAL RUNOFF (AC-FT)	16,860		16,020		14,130	
10 PERCENT EXCEEDS	18		18		15	
50 PERCENT EXCEEDS	10		9.3		10	
90 PERCENT EXCEEDS	8.1		7.5		8.1	

e Estimated

† Precipitaiton total, in inches.

PERIOD OF RECORD.--April 1993 to current year.

REMARKS.--In January 1997 an automatic sampler was re-installed and used to collect water-quality data as part of the National Pollution Discharge Elimination System (NPDES) monitoring network.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	[a]2,4,5-T surrog, water, fltrd, percent recovry (99958)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)
NOV 2003												
12...	1900	Environmental	1,060	8.0	408	--	--	--	--	<.006	<.006	--
FEB 2004												
21...	0711	Environmental	--	--	--	.0	<.009	<.02	<.02	<.006	<.006	<.04
21...	1110	Environmental	270	7.2	1,000	--	--	--	--	--	--	--
AUG												
16...	2000	Environmental	785	6.6	680	E.0	<.009	<.02	<.02	<.006	<.006	<.01

Date	OIET, water, fltrd, ug/L (50355)	3-Hydroxycarbofuran, wat flt 0.7u GF ug/L (49308)	3-Ketocarbofuran, water, fltrd, ug/L (50295)	Acetochlor, water, fltrd, ug/L (49260)	Acifluorfen, water, fltrd 0.7u GF ug/L (49315)	Alachlor, water, fltrd, ug/L (46342)	Aldicarb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldicarb sulfoxide, wat flt 0.7u GF ug/L (49314)	Aldicarb, water, fltrd 0.7u GF ug/L (49312)	alpha-HCH, water, fltrd, ug/L (34253)	[a]alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)
NOV 2003													
12...	--	--	--	<.006	--	<.005	--	--	--	<.005	88.9	<.007	<.050
FEB 2004													
21...	<.008	<.006	<2	<.006	<.007	<.005	<.02	<.008	<.04	<.005	E102	<.007	<.050
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
16...	<.048	<.006	<1	<.006	<.007	<.040	<.02	<.008	<.04	<.005	100	<.007	<.050

Date	[a]Barban, surrog, Sched. 2060/9060, wat flt pct rcv (90640)	Bendiocarb, water, fltrd, ug/L (50299)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensulfuron, water, fltrd, ug/L (61693)	Bentazon, water, fltrd 0.7u GF ug/L (38711)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Butylate, water, fltrd, ug/L (04028)	Caffeine, water, fltrd, ug/L (50305)	[a]Caffeine-13C, surrog, wat flt percent recovry (99959)	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)
NOV 2003													
12...	--	--	<.010	--	--	--	--	--	<.004	--	--	--	E.098
FEB 2004													
21...	.0	<.03	<.010	E.077	<.02	<.01	<.03	<.02	<.004	E10.3	139	<.03	E.049
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
16...	E77.9	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	E4.56	E191	<.03	<.100

Date	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chloramben methyl ester, water, fltrd, ug/L (61188)	Chlorimuron, water, fltrd, ug/L (50306)	Chlorodiamino-s-triazine, wat flt ug/L (04039)	Chlorothalonil, water, fltrd 0.7u GF ug/L (49306)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Clopyralid, water, fltrd 0.7u GF ug/L (49305)	Cyanazine, water, fltrd, ug/L (04041)	Cycloate, water, fltrd, ug/L (04031)	Dacthal monoacid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water fltrd 0.7u GF ug/L (82682)
NOV 2003													
12...	--	<.020	--	--	--	--	<.005	<.006	--	<.018	--	--	.004
FEB 2004													
21...	<.006	<.020	<.02	<.010	<.01	<.04	<.005	<.006	<.01	<.018	<.01	<.01	<.003
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
16...	<.006	<.075	<.02	<.010	<.04	<.04	<.100	<.006	<.01	<.018	<.01	<.01	.009

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)	[a]Diazi-non-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Dicamba water fltrd 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd 0.7u GF ug/L (49302)	Diel-drin, water, fltrd, ug/L (39381)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphen-amid, water, fltrd, ug/L (04033)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	Diuron, water, fltrd 0.7u GF ug/L (49300)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)
NOV 2003													
12...	E.008	.063	103	--	--	<.009	--	--	<.02	--	<.004	<.009	<.005
FEB 2004													
21...	<.012	<.005	E128	<.01	<.01	<.009	<.01	<.03	<.02	E1.31	<.004	<.009	<.005
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
16...	<.012	.027	109	<.01	<.01	<.150	<.02	<.03	<.02	E.53	<.004	<.009	<.005

Date	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Flumet-sulam, water, fltrd, ug/L (61694)	Fluo-meturon water fltrd 0.7u GF ug/L (38811)	Fonofos water, fltrd, ug/L (04095)	Imaza-quin, water, fltrd, ug/L (50356)	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (38478)
NOV 2003													
12...	--	<.029	<.013	<.024	<.030	--	--	<.003	--	--	--	<.004	--
FEB 2004													
21...	<.03	<.029	<.013	<.024	<.016	<.01	<.03	<.003	<.02	<.02	<.007	<.004	<.01
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
16...	<.03	<.029	<.013	<.024	<.025	<.01	E.06	<.003	<30.8	<.02	<.007	<.004	<.01

Date	Linuron water fltrd 0.7u GF ug/L (82666)	Mala-thion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Meta-laxyl, water, fltrd, ug/L (50359)	Methio-carb, water, fltrd 0.7u GF ug/L (38501)	Meth-omyl, water, fltrd 0.7u GF ug/L (49296)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Metsul-furon, water, fltrd, ug/L (61697)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	N-(4-Chloro-phenyl) -N-' methyl-urea, ug/L (61692)
NOV 2003													
12...	<.035	.368	--	--	--	--	--	<.015	<.013	<.006	--	<.003	--
FEB 2004													
21...	<.035	.229	<.02	<.01	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
16...	<.035	.054	<.02	<.01	<.02	<.008	<.004	<.015	<.013	<.010	E21.6	<.003	<.02

Date	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nico-sul-furon, water, fltrd, ug/L (50364)	Norflur azon, water, fltrd 0.7u GF ug/L (49293)	Ory-zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	p,p-' DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Pic-loram, water, fltrd 0.7u GF ug/L (49291)	Prome-ton, water, fltrd, ug/L (04037)
NOV 2003													
12...	<.007	--	--	--	--	--	<.003	<.010	<.004	<.022	<.011	--	<.05
FEB 2004													
21...	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010	--	<.022	<.011	<.02	<.01
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
16...	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011	<.02	.05

094196783 LAS VEGAS WASH BELOW FLAMINGO WASH CONFLUENCE NEAR LAS VEGAS, NV—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propy-zamide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Propham water fltrd 0.7u GF ug/L (49236)	Propi-cona-zole, water, fltrd, ug/L (50471)	Pro-poxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Sima-zine, water, fltrd, ug/L (04035)	Sulfo-met-ruron, water, fltrd, ug/L (50337)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terba-cil, water, fltrd, ug/L (04032)
NOV 2003													
12...	<.004	<.025	<.011	<.02	--	--	--	--	<.005	--	<.02	<.034	--
FEB 2004													
21...	<.004	<.025	<.011	<.30	<.010	<.02	<.008	<.02	<.005	<.009	<.02	<.034	<.010
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
16...	<.125	<.025	<.030	<.02	<.010	<.02	<.015	<.02	<.005	<.086	<.02	<.034	<.010

Date	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-clopyr, water, fltrd 0.7u GF ug/L (49235)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)
NOV 2003					
12...	<.02	<.010	<.002	--	<.009
FEB 2004					
21...	<.02	<.010	<.002	<.02	<.009
21...	--	--	--	--	--
AUG					
16...	<.02	<.010	<.002	<.02	<.009

Remark codes used in this table:
< -- Less than
E -- Estimated value

[a] -- Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1993 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 2002 to August 2003, discontinued.
WATER TEMPERATURE: January 2002 to August 2003, discontinued.

INSTRUMENTATION.--Water-quality monitor January 2002 to August 2004, hourly

REMARKS.--In April 1993, station was incorporated into the National Water-Quality Assessment Program (NAWQA) with goals to describe the status and trends of water-quality conditions for a large, diverse, and geographically distributed part of the Nation's ground- and surface-water resources. In January 1997 an automatic sampler was re-installed and used to collect water-quality data as part of the National Pollution Discharge Elimination System (NPDES) monitoring network. Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data."

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 9,510 microsiemens, cm at 25°C, May 14, 2002; minimum recorded, 238 microsiemens, cm at 25°C, December 25, 2004.
WATER TEMPERATURE: Maximum recorded, 36.0C July 12, 2002; minimum recorded, 4.0°C, January 31, 2002.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 4,360 microsiemens/cm at 25°C, October 1; minimum, 238 microsiemens/cm at 25°C, December 25.
WATER TEMPERATURE: Maximum, 35.0°C, July 18; minimum, 5.0°C, December 27, 29, and January 4.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)
OCT												
21...	0840	**Blank**	--	--	--	--	--	--	--	--	--	--
21...	0850	**Blank**	--	--	--	--	--	--	--	--	--	--
21...	0900	Environmental	9.5	729	9.4	104	8.0	3,790	24.0	17.5	218	266
DEC												
10...	0930	Environmental	7.7	721	12.0	116	8.5	3,720	16.0	10.9	214	--
FEB												
24...	0930	Environmental	26	724	10.2	99	7.9	1,340	12.0	11.5	99	121
24...	0940	**Pesticide Spike**	--	--	--	--	--	--	--	--	--	--
APR												
14...	1000	Environmental	9.4	712	10.3	112	8.1	3,600	21.0	15.4	206	246
14...	1015	**Sequential Replicate**	--	--	--	--	--	--	--	--	--	--
JUN												
29...	1030	Environmental	7.3	708	8.6	108	8.0	3,640	29.0	22.4	200	239
AUG												
17...	1030	Environmental	53	726	6.6	84	7.6	1,240	27.0	25.0	70	85

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)
OCT													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	<.02	--	--	--	<.1	<.1	<.1	.5
21...	306	1,620	<.04	4.74	.055	.04	<.006	.021	4.84	.7	<.1	.7	2.3
DEC													
10...	308	1,650	<.04	4.96	.022	.06	E.003	.016	4.89	.5	<.1	.5	2.5
FEB													
24...	81.8	503	E.04	1.91	.029	.12	.059	.123	2.48	3.0	.1	2.9	6.6
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
14...	284	1,530	<.04	3.92	.038	.03	E.003	.013	3.88	.3	<.1	.3	2.9
14...	273	1,530	<.04	3.90	.041	.04	E.003	.013	3.86	.3	<.1	.3	3.0
JUN													
29...	310	1,560	<.04	3.52	.097	.09	<.006	.025	3.76	1.0	<.1	.9	3.2
AUG													
17...	40.6	206	.11	2.21	.058	.62	.064	.36	3.40	17.7	8.0	9.7	12.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	[a]alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)
OCT													
21...	<.006	<.006	<.006	<.004	<.005	84.2	<.007	<.050	<.010	<.002	<.041	<.020	<.005
21...	<.006	<.006	<.006	<.004	<.005	88.6	<.007	<.050	<.010	<.002	<.041	<.020	<.005
21...	<.006	<.006	<.006	<.004	<.005	91.0	E.005	<.050	<.010	<.002	<.041	<.020	<.005
DEC													
10...	<.006	<.006	<.006	<.005	<.005	84.4	E.003	<.050	<.010	<.004	<.041	<.020	<.005
FEB													
24...	<.006	<.006	<.006	<.005	<.005	87.1	<.007	<.050	<.010	<.004	E.029	<.020	<.005
24...	.054	E.046	.130	.132	.092	80.5	.148	E.164	.101	.191	E.219	E.209	.137
APR													
14...	<.006	<.010	<.006	<.005	<.005	90.5	.009	<.050	<.010	<.004	<.041	<.020	<.005
14...	<.006	<.007	<.006	<.005	<.005	88.7	.007	<.050	<.010	<.004	<.041	<.020	<.005
JUN													
29...	<.006	<.006	<.006	<.005	<.005	101	<.010	<.050	<.010	<.004	<.041	<.020	<.005
AUG													
17...	<.006	<.006	<.010	<.005	<.005	81.5	<.007	<.050	<.010	<.004	<.075	<.040	<.030

Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	[a]Diazinon-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)
OCT													
21...	<.006	<.018	<.003	<.004	<.005	86.6	<.005	<.02	<.002	<.009	<.005	<.009	<.005
21...	<.006	<.018	<.003	<.004	<.005	100	<.005	<.02	<.002	<.009	<.005	<.009	<.005
21...	<.006	<.018	<.003	<.004	E.004	95.5	<.005	<.02	<.002	<.009	<.005	<.009	<.005
DEC													
10...	<.006	<.018	<.003	<.012	E.002	106	<.009	<.02	<.004	<.009	<.005	<.029	<.013
FEB													
24...	<.006	<.018	.006	E.007	.173	116	<.009	<.02	<.004	<.009	<.005	<.029	<.013
24...	.081	.154	.114	.166	.266	110	.111	.03	.125	.129	.165	E.204	.162
APR													
14...	<.006	<.018	<.003	E.004	<.007	119	<.009	<.02	.015	<.009	<.005	<.029	<.013
14...	<.006	<.018	<.003	E.004	<.005	115	<.009	<.02	<.004	<.009	<.005	<.029	<.013
JUN													
29...	<.006	<.018	<.003	<.012	<.005	106	<.009	<.02	<.004	<.009	<.005	<.029	<.013
AUG													
17...	<.006	<.018	.009	<.012	.023	96.4	<1.00	<.02	<.004	<.009	<.005	<.029	<.013

Date	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p-' DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)
OCT													
21...	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
21...	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
21...	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
DEC													
10...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
FEB													
24...	<.024	<.016	<.003	<.004	<.035	.051	<.015	<.013	<.006	<.003	<.007	<.003	<.010
24...	.147	E.237	.104	.103	.084	.176	.147	.120	.081	.096	.104	.066	.145
APR													
14...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
14...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
JUN													
29...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
AUG													
17...	<.024	<.030	<.003	<.004	<.035	.069	<.015	<.013	<.010	<.003	<.007	<.003	<.010

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)
OCT													
21...	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005
21...	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005
21...	<.004	<.022	<.011	E.01	<.004	<.010	<.011	<.02	.008	<.02	<.034	<.02	<.005
DEC													
10...	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.007	<.02	<.034	<.02	<.010
FEB													
24...	<.004	E.020	<.011	<.03	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010
24...	.103	.149	.041	.18	.144	.134	.143	.27	.131	.17	E.151	.09	.107
APR													
14...	<.004	<.022	<.011	.02	<.004	<.025	<.011	<.02	.012	<.02	<.034	<.02	<.010
14...	<.004	<.022	<.011	.02	<.004	<.025	<.011	<.02	.011	<.02	<.034	<.02	<.010
JUN													
29...	<.004	<.022	<.011	.06	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010
AUG													
17...	<.004	.054	<.011	.06	<.075	<.025	<.013	<.02	<.005	<.02	<.034	<.02	<.010

Date	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
21...	<.002	<.009	--	--	--
21...	<.002	<.009	--	--	--
21...	<.002	<.009	30	47	1.2
DEC					
10...	<.002	<.009	14	36	.75
FEB					
24...	<.002	E.007	82	62	4.4
24...	.108	.112	--	--	--
APR					
14...	<.002	<.009	38	12	.30
14...	<.002	<.009	57	9	--
JUN					
29...	<.002	<.009	24	63	1.2
AUG					
17...	<.002	<.009	97	328	47

Remark codes used in this table:
< -- Less than
E -- Estimated value

[a] -- Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

094196783 LAS VEGAS WASH BELOW FLAMINGO WASH CONFLUENCE NEAR LAS VEGAS, NV—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	4,360	3,930	4,270	3,770	3,580	3,710	3,920	3,670	3,830	3,220	2,820	3,070
2	4,210	4,000	4,160	3,850	3,710	3,780	3,780	3,700	3,740	3,610	3,220	3,420
3	4,190	3,940	4,140	3,870	3,610	3,760	3,940	3,680	3,800	3,700	3,570	3,640
4	4,150	3,810	3,980	3,770	3,700	3,750	3,950	3,690	3,800	3,750	3,570	3,650
5	4,180	4,010	4,090	3,830	3,720	3,780	3,840	3,710	3,770	3,690	3,540	3,610
6	4,180	3,820	3,960	3,780	3,710	3,750	3,900	3,670	3,770	3,620	3,440	3,540
7	3,880	3,770	3,830	3,810	3,680	3,730	3,900	3,680	3,800	3,590	3,470	3,540
8	3,800	3,760	3,780	3,810	3,680	3,760	3,890	3,750	3,810	3,570	3,520	3,540
9	3,830	3,780	3,810	3,790	3,610	3,710	3,980	3,720	3,820	3,580	3,520	3,560
10	3,890	3,820	3,850	3,900	3,620	3,740	3,810	3,680	3,720	3,700	3,560	3,620
11	3,950	3,820	3,880	3,830	3,670	3,760	3,760	281	2,560	3,720	3,660	3,690
12	3,900	3,730	3,820	3,800	337	2,550	2,670	716	1,910	3,730	3,570	3,690
13	3,820	3,710	3,770	2,660	695	1,830	3,450	2,670	3,190	3,710	3,640	3,680
14	3,760	3,640	3,700	3,390	2,660	3,150	3,640	2,050	3,230	3,750	3,610	3,690
15	3,680	3,600	3,640	3,580	3,390	3,510	3,420	2,400	2,940	3,720	3,590	3,680
16	3,640	3,570	3,610	3,600	1,210	2,160	3,630	3,420	3,520	3,690	3,590	3,640
17	3,630	3,560	3,600	3,300	2,000	2,900	3,680	3,570	3,620	3,780	3,640	3,720
18	3,620	3,520	3,570	3,480	3,300	3,410	3,650	3,520	3,590	3,780	3,660	3,720
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

094196783 LAS VEGAS WASH BELOW FLAMINGO WASH CONFLUENCE NEAR LAS VEGAS, NV—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	3,420	3,030	3,340	2,920	2,830	2,860	3,170	3,040	3,090	---	---	---
2	3,160	2,770	3,030	2,860	2,740	2,790	3,080	2,040	2,400	---	---	---
3	3,580	2,750	3,250	2,870	2,740	2,790	2,810	2,120	2,470	---	---	---
4	3,520	3,400	3,480	3,010	2,780	2,870	2,940	2,810	2,860	---	---	---
5	3,520	3,230	3,400	3,110	3,000	3,040	3,030	2,930	2,960	---	---	---
6	3,650	3,180	3,380	3,120	2,980	3,040	3,040	2,910	2,980	---	---	---
7	3,770	3,610	3,690	2,980	2,550	2,780	3,020	2,880	2,950	---	---	---
8	3,690	3,540	3,610	2,920	2,790	2,870	2,960	2,830	2,880	---	---	---
9	3,560	3,350	3,420	2,970	2,790	2,870	2,860	2,670	2,780	---	---	---
10	3,480	3,060	3,230	2,890	2,850	2,860	2,840	2,730	2,790	---	---	---
11	3,330	3,110	3,210	2,880	2,840	2,860	2,810	2,700	2,760	---	---	---
12	3,200	3,020	3,080	2,900	2,840	2,870	2,830	568	2,700	---	---	---
13	3,130	3,070	3,090	2,890	2,800	2,840	2,200	489	1,490	---	---	---
14	3,080	2,960	3,010	2,870	2,740	2,790	2,650	2,200	2,510	---	---	---
15	3,080	2,970	3,020	2,890	2,820	2,860	2,690	1,100	2,440	---	---	---
16	3,020	2,660	2,760	3,200	2,870	3,080	2,130	259	1,260	---	---	---
17	2,780	2,200	2,540	3,160	1,210	2,470	---	---	---	---	---	---
18	2,820	2,240	2,610	2,630	1,140	1,820	---	---	---	---	---	---
19	2,990	2,810	2,880	3,180	2,630	2,960	---	---	---	---	---	---
20	2,930	2,890	2,910	3,230	3,090	3,160	---	---	---	---	---	---
21	2,920	2,780	2,850	3,290	3,180	3,250	---	---	---	---	---	---
22	2,850	2,670	2,750	3,280	3,160	3,210	---	---	---	---	---	---
23	2,780	2,710	2,750	3,280	3,160	3,240	---	---	---	---	---	---
24	2,730	2,640	2,690	3,290	3,170	3,220	---	---	---	---	---	---
25	3,330	2,660	2,940	3,280	3,190	3,230	---	---	---	---	---	---
26	3,390	2,970	3,150	3,310	3,190	3,260	---	---	---	---	---	---
27	3,240	3,030	3,090	3,270	3,160	3,220	---	---	---	---	---	---
28	3,130	3,030	3,060	3,240	3,130	3,190	---	---	---	---	---	---
29	3,070	2,950	3,020	3,230	3,100	3,170	---	---	---	---	---	---
30	3,040	2,890	2,940	3,240	3,110	3,170	---	---	---	---	---	---
31	---	---	---	3,200	3,090	3,150	---	---	---	---	---	---
MONTH	3,770	2,200	3,070	3,310	1,140	2,960	3,170	259	2,580	---	---	---
YEAR	4,360	238	3,360									

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	28.0	20.5	24.0	17.5	12.0	14.5	15.0	9.5	12.0	11.0	8.0	9.5
2	26.0	19.5	23.0	17.5	12.0	14.5	15.5	9.5	12.0	12.0	9.0	10.5
3	27.0	19.5	22.5	16.0	11.0	13.5	15.0	9.0	12.0	10.5	6.5	8.5
4	27.0	19.0	22.5	18.0	11.0	14.0	15.0	9.0	12.0	10.5	5.0	7.5
5	28.0	19.5	23.0	18.0	10.5	14.0	15.0	10.0	12.5	10.5	5.5	7.5
6	26.0	19.5	22.5	17.5	12.5	15.0	14.0	10.5	12.5	11.0	6.0	8.5
7	27.5	19.0	23.0	18.0	12.0	14.5	16.5	12.5	14.0	13.0	9.0	10.5
8	27.0	18.5	22.5	17.5	11.5	14.5	13.5	9.5	11.5	13.5	7.5	10.0
9	27.0	18.5	22.5	17.0	14.5	15.5	13.5	8.0	10.5	14.0	8.0	11.0
10	26.5	19.0	22.0	19.5	15.0	16.5	13.0	8.0	10.5	14.5	8.5	11.5
11	24.5	17.0	20.5	19.0	13.0	15.5	11.0	8.0	9.5	14.5	8.5	11.5
12	26.0	17.0	21.0	16.5	13.0	15.0	12.5	7.5	10.0	14.5	8.5	11.5
13	24.0	17.5	20.5	17.0	12.0	14.5	12.5	8.5	10.5	15.0	9.0	11.5
14	24.0	15.0	19.0	18.0	11.5	14.5	13.0	8.5	10.0	14.5	9.5	11.5
15	24.5	16.0	19.5	16.5	12.0	14.0	11.5	6.5	9.0	14.5	8.5	11.5
16	24.5	16.0	20.0	17.0	13.0	14.5	11.5	6.5	9.0	14.5	8.0	11.0
17	25.0	16.5	20.5	18.0	11.5	14.5	12.5	6.5	9.0	14.0	8.5	11.0
18	25.0	17.0	21.0	18.5	12.0	14.5	12.5	7.5	10.0	14.0	8.0	11.0
19	26.0	17.5	21.0	18.0	12.0	14.5	13.0	7.5	10.0	14.5	10.5	12.0
20	26.0	17.5	21.0	18.5	12.0	15.0	13.5	9.5	11.5	14.5	9.0	11.0
21	25.5	17.0	21.0	18.0	12.0	14.0	14.5	9.5	11.5	13.5	8.0	10.0
22	25.5	17.0	20.5	13.0	8.0	10.5	14.0	9.5	11.5	13.5	7.5	10.0
23	24.5	16.5	20.0	12.5	6.5	9.5	13.0	9.5	11.5	14.0	7.0	10.0
24	23.5	16.5	20.0	11.0	7.5	9.5	14.5	11.5	13.0	13.0	7.5	10.5
25	20.5	15.0	17.5	14.5	8.5	11.0	13.5	10.5	12.5	12.5	7.5	9.5
26	21.5	13.5	17.0	14.5	8.5	11.0	11.5	7.0	9.5	12.5	6.0	9.0
27	22.5	14.5	18.0	13.5	8.0	10.5	10.0	5.0	7.0	13.0	6.5	10.0
28	23.5	15.5	19.0	13.0	8.5	10.5	11.0	5.0	7.5	15.5	9.5	12.0
29	19.0	15.0	17.0	15.0	9.5	12.0	11.0	7.0	8.5	15.0	8.0	11.5
30	18.5	13.0	15.0	15.0	9.5	12.0	10.0	6.5	8.5	15.0	9.0	12.0
31	17.5	12.0	14.5	---	---	---	12.5	7.0	9.5	14.5	9.5	12.0
MONTH	28.0	12.0	20.4	19.5	6.5	13.4	16.5	5.0	10.6	15.5	5.0	10.5
		FEBRUARY			MARCH			APRIL			MAY	
1	14.0	7.5	10.5	14.5	11.0	12.5	21.0	15.5	18.0	27.5	16.5	21.5
2	12.5	8.0	10.0	13.5	10.5	12.0	17.0	15.5	16.0	29.0	18.0	23.0
3	13.5	8.5	11.0	18.5	10.0	14.0	18.0	14.5	16.0	29.0	19.0	23.5
4	13.5	7.0	10.0	17.5	11.0	14.0	24.0	15.0	18.5	28.0	19.0	23.5
5	12.5	7.0	9.5	18.5	10.0	14.0	25.5	15.0	19.5	27.0	18.5	22.5
6	14.5	7.0	10.5	20.0	11.0	15.5	24.5	16.5	20.0	25.0	17.5	21.0
7	14.5	7.5	10.5	20.5	12.5	16.0	25.0	15.5	20.0	24.0	17.5	20.5
8	14.0	7.0	10.0	21.5	13.0	17.0	26.0	17.0	20.5	27.0	17.5	21.5
9	14.0	7.5	10.0	23.0	13.5	18.0	26.5	16.5	21.0	28.5	17.0	22.0
10	14.0	6.5	9.5	21.5	14.5	17.5	23.5	15.5	19.0	25.0	17.5	21.0
11	14.0	7.0	10.0	21.5	13.0	17.0	24.0	13.5	18.0	25.5	15.0	19.5
12	12.5	6.0	8.5	22.0	13.5	18.0	25.5	14.5	19.5	25.5	14.0	19.5
13	14.0	5.5	9.0	23.0	14.5	18.5	25.5	15.0	19.5	27.0	16.0	21.5
14	15.0	7.5	11.0	24.0	14.5	18.5	24.0	14.5	18.5	28.0	17.0	22.0
15	16.0	7.5	11.5	22.5	15.0	18.5	24.0	14.5	18.5	26.5	18.0	22.0
16	16.0	9.5	12.5	23.0	13.5	18.0	24.0	15.0	19.0	27.0	17.5	22.0
17	17.5	10.5	13.5	23.5	14.0	18.5	23.0	15.0	18.0	24.0	18.0	20.5
18	14.5	11.0	12.5	24.0	14.5	19.0	23.5	12.5	17.5	25.5	15.5	20.0
19	17.5	10.0	13.0	24.5	15.0	19.5	24.0	14.5	18.5	26.5	17.5	21.0
20	13.5	11.0	12.0	25.0	15.5	20.0	23.5	15.0	18.5	26.5	17.0	21.0
21	15.0	11.5	12.5	26.0	16.0	21.0	25.0	15.0	19.5	26.5	16.5	21.0
22	13.5	10.5	12.0	25.0	16.5	21.0	22.5	13.0	17.0	27.5	16.0	21.5
23	13.5	10.0	11.5	24.0	18.0	20.5	24.0	13.5	18.5	25.5	17.0	21.0
24	17.5	9.5	13.0	25.0	16.5	20.0	26.5	16.0	20.5	27.5	16.5	21.5
25	16.5	10.0	13.0	23.0	15.5	19.0	27.0	17.0	21.5	28.5	17.5	22.0
26	16.0	11.5	13.0	23.0	14.5	18.5	27.5	17.0	22.0	28.5	18.0	23.0
27	15.0	10.5	12.5	22.0	14.5	18.0	27.5	17.5	22.0	29.5	19.0	23.5
28	15.5	9.5	12.0	21.5	14.5	17.5	25.5	17.0	21.0	25.5	19.0	22.0
29	17.5	9.5	13.0	23.5	14.0	18.0	23.0	14.0	18.0	27.0	18.0	22.0
30	---	---	---	24.0	14.5	19.0	25.0	14.0	19.0	29.5	17.0	22.5
31	---	---	---	22.5	16.0	19.0	---	---	---	30.5	19.0	24.5
MONTH	17.5	5.5	11.3	26.0	10.0	17.7	27.5	12.5	19.1	30.5	14.0	21.7

094196783 LAS VEGAS WASH BELOW FLAMINGO WASH CONFLUENCE NEAR LAS VEGAS, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	31.5	20.0	25.5	30.0	20.0	24.0	27.0	24.0	25.0	---	---	---
2	31.5	20.0	25.0	32.0	20.0	25.0	31.0	23.5	27.0	---	---	---
3	31.0	20.0	25.5	32.5	20.5	25.5	31.5	23.0	27.0	---	---	---
4	32.0	21.0	26.0	32.5	20.5	25.5	32.5	22.5	26.5	---	---	---
5	32.5	21.0	26.0	32.5	21.0	26.0	30.5	22.5	25.5	---	---	---
6	31.5	21.5	26.0	33.0	21.0	26.0	32.5	22.0	26.0	---	---	---
7	30.0	20.5	25.0	30.0	21.5	25.0	33.5	21.0	26.5	---	---	---
8	28.0	18.5	22.5	31.5	21.0	25.5	34.0	22.0	27.5	---	---	---
9	24.5	16.5	20.5	30.5	21.0	25.0	34.5	23.0	28.0	---	---	---
10	29.0	17.0	22.5	32.0	21.0	26.0	34.0	23.0	28.0	---	---	---
11	30.0	18.5	23.5	32.0	21.5	26.5	35.0	23.5	28.0	---	---	---
12	30.5	18.5	24.0	33.5	21.5	27.5	30.0	23.5	26.5	---	---	---
13	31.5	20.0	25.0	30.5	24.0	26.5	31.5	25.0	27.0	---	---	---
14	32.0	21.0	25.5	29.5	23.5	26.0	29.5	22.5	26.0	---	---	---
15	30.0	21.5	25.5	31.0	24.0	27.5	31.0	24.0	26.5	---	---	---
16	30.5	21.5	25.5	33.5	24.5	28.5	31.0	23.0	25.5	---	---	---
17	29.5	21.5	25.0	34.0	25.5	28.5	---	---	---	---	---	---
18	32.0	20.5	25.5	35.0	25.5	29.5	---	---	---	---	---	---
19	31.0	21.5	25.5	34.5	24.5	29.0	---	---	---	---	---	---
20	32.5	20.5	26.0	34.5	24.0	28.5	---	---	---	---	---	---
21	32.5	21.5	26.5	34.5	23.0	28.0	---	---	---	---	---	---
22	31.5	21.0	26.0	34.0	23.5	28.0	---	---	---	---	---	---
23	32.0	21.5	26.0	34.0	22.5	27.5	---	---	---	---	---	---
24	32.5	21.5	26.5	34.0	22.5	27.5	---	---	---	---	---	---
25	33.5	22.5	27.0	34.5	23.5	28.0	---	---	---	---	---	---
26	33.0	21.5	26.5	33.5	24.0	27.5	---	---	---	---	---	---
27	29.0	21.0	25.0	32.5	23.0	26.5	---	---	---	---	---	---
28	30.5	21.5	25.0	33.5	22.0	27.0	---	---	---	---	---	---
29	29.5	19.5	24.0	32.5	22.5	26.5	---	---	---	---	---	---
30	29.0	19.5	23.5	31.5	22.0	26.0	---	---	---	---	---	---
31	---	---	---	31.5	22.0	26.0	---	---	---	---	---	---
MONTH	33.5	16.5	25.1	35.0	20.0	26.8	35.0	21.0	26.7	---	---	---
YEAR	35.0	5.0	18.1									

094196784 LAS VEGAS WASH AT VEGAS VALLEY DRIVE NEAR LAS VEGAS, NV

LOCATION.--Lat 36°08'13", long 115°02'16" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec. 10, T.21 S., R.62 E., Clark County, Hydrologic Unit 15010015, at junction of Las Vegas Wash and Vegas Valley Drive.

DRAINAGE AREA.--1,019.28 mi^2.

PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Water stage recorder. Elevation of gage is 1,690 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,000 ft^3/s, July 8, 1999, gage height, 11.22 ft; minimum daily, 5.0 ft^3/s, September 4, 5, 6 2004. Maximum daily precipitation, 0.98 in, July 8, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,560 ft^3/s, February 22, gage height, 2.85 ft; minimum daily discharge, 5.0 ft^3/s, September 4, 5, 6. Maximum daily precipitation, 0.60 in, November 12.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e11	e15	e10	e14	e12	6.6	26	11	12	14	13	6.7
2	e11	e14	e10	e13	e12	107	603	12	16	13	22	6.6
3	e11	e14	e10	e13	e22	16	444	12	14	13	17	6.3
4	e12	e16	e10	e12	e14	13	28	12	13	14	17	5.0
5	e11	e15	e9.9	e13	e13	14	13	11	13	14	13	5.0
6	e11	e14	e9.8	e14	e12	13	12	12	13	15	12	5.0
7	e11	e15	e9.6	e13	e12	18	12	12	11	18	12	5.6
8	e10	e15	e9.5	e13	e12	15	14	13	11	15	12	5.3
9	e11	e16	e9.6	e13	e12	11	21	12	11	15	13	122
10	e10	e15	e9.8	e12	e12	10	11	13	14	14	13	26
11	e10	e15	e194	e12	e13	11	10	12	14	15	13	11
12	e10	e267	e36	e12	e12	12	11	10	13	14	62	9.2
13	e10	e60	e12	e13	e12	12	13	11	13	14	155	9.0
14	e10	e14	e18	e12	e12	13	13	9.5	13	16	13	8.7
15	e11	e12	e14	e13	e12	13	12	9.5	13	15	40	8.6
16	e12	e37	e11	e13	e12	14	14	12	18	18	302	8.6
17	e12	e13	e11	e13	e12	14	14	12	18	39	78	8.4
18	e12	e11	e11	e13	e12	14	13	11	14	36	13	7.7
19	e12	e11	e11	e13	e12	14	15	10	14	10	11	7.1
20	e12	e11	e12	e13	e14	14	15	10	13	10	11	7.8
21	e12	e11	e11	e13	154	14	15	9.6	13	9.7	13	6.8
22	e12	e10	e10	e13	722	15	15	8.7	13	11	8.7	6.0
23	e11	e10	e11	e13	799	15	15	8.9	13	11	8.3	6.0
24	e11	e10	e16	e13	44	15	15	10	12	10	8.5	6.2
25	e12	e11	e286	e12	16	15	14	11	14	11	8.7	6.8
26	e12	e11	e166	e12	318	15	12	11	12	11	8.5	7.1
27	e12	e10	e15	e13	18	16	12	11	14	12	8.2	7.2
28	e12	e10	e13	e14	10	15	12	10	14	12	6.6	8.1
29	e15	e10	e13	e13	8.3	16	11	9.7	14	12	6.5	6.7
30	e14	e9.4	e136	e13	---	17	11	9.3	14	12	6.6	6.9
31	e15	---	e20	e14	---	17	---	9.9	---	12	6.6	---
TOTAL	358	702.4	1,125.2	400	2,345.3	524.6	1,446	336.1	404	455.7	932.2	347.4
MEAN	11.5	23.4	36.3	12.9	80.9	16.9	48.2	10.8	13.5	14.7	30.1	11.6
MAX	15	267	286	14	799	107	603	13	18	39	302	122
MIN	10	9.4	9.5	12	8.3	6.6	10	8.7	11	9.7	6.5	5.0
†	0.00	0.76	0.76	0.00	1.28	0.08	0.76	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	15.0	14.3	17.2	14.4	60.3	19.0	21.5	11.6	12.8	33.1	30.1	13.7
MAX	26.5	23.4	36.3	26.5	80.9	26.2	48.2	14.3	16.0	125	61.5	18.6
(WY)	(2001)	(2004)	(2004)	(2001)	(2004)	(2003)	(2004)	(2003)	(2003)	(1999)	(2003)	(2003)
MIN	9.34	9.62	9.15	8.36	12.0	13.8	9.63	9.92	10.1	10.2	9.88	11.6
(WY)	(2000)	(2000)	(2000)	(2000)	(2002)	(2002)	(2001)	(2001)	(2001)	(2000)	(2002)	(2004)

094196784 LAS VEGAS WASH AT VEGAS VALLEY DRIVE NEAR LAS VEGAS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	10,052.6		9,376.9			
ANNUAL MEAN	27.5		25.6		20.3	
HIGHEST ANNUAL MEAN					25.6	2004
LOWEST ANNUAL MEAN					11.8	2002
HIGHEST DAILY MEAN	600	Feb 26	799	Feb 23	1,600	Jul 8, 1999
LOWEST DAILY MEAN	9.4	Nov 30	5.0	Sep 4	5.0	Sep 4, 2004
ANNUAL SEVEN-DAY MINIMUM	9.7	Dec 4	5.5	Sep 2	5.5	Sep 2, 2004
MAXIMUM PEAK FLOW			4,560	Feb 22	11,000	Jul 8, 1999
MAXIMUM PEAK STAGE			2.85	Feb 22	11.22	Jul 8, 1999
ANNUAL RUNOFF (AC-FT)	19,940		18,600		14,690	
10 PERCENT EXCEEDS	29		18		18	
50 PERCENT EXCEEDS	15		12		12	
90 PERCENT EXCEEDS	11		8.7		9.1	

e Estimated
† Precipitaiton total, in inches.

09419679 LAS VEGAS WASTEWAY NEAR EAST LAS VEGAS, NV

LOCATION.--Lat 36°06'22", long 115°01'07" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec. 23, T.21 S., R.62 E., Clark County, Hydrologic Unit 15010015, on left bank, 500 ft west of Hollywood Boulevard, and 1.5 mi northeast of East Las Vegas Civic Center.

DRAINAGE AREA.--Undetermined.

PERIOD OF RECORD.--May 1979 to September 1983, November 1983 to May 1984, and September 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,650 ft above National Geodetic Vertical Datum of 1929, from topographic map. See WDR NV-97-1 for history of changes prior to 1997 water year. Prior to November 21, 1997, at same site at datum 1.0 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by sewage treatment plant. At higher flows, some water can bypass the gage due to overbank flow upstream. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,300 ft^3/s, February 22, 2004, gage height, 7.30 ft; minimum daily, 45 ft^3/s, August 22, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,300 ft^3/s, February 22, 23, gage height, 7.30 ft; minimum daily discharge, 218 ft^3/s, October 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	218	228	237	249	256	e227	258	236	251	247	262	236
2	222	241	232	250	238	e370	674	233	252	253	275	235
3	224	223	227	251	245	e243	544	e230	246	258	266	231
4	e235	226	236	270	231	e231	320	e235	251	257	262	239
5	236	231	228	237	224	e231	301	e235	253	262	261	245
6	228	232	241	235	232	e237	288	e240	249	259	259	253
7	224	237	245	229	245	e239	271	e240	245	255	269	232
8	228	250	240	233	250	e235	266	e245	242	247	264	242
9	225	255	236	231	237	e233	287	e250	244	258	270	341
10	232	249	232	246	230	e242	268	258	245	262	256	270
11	240	245	382	253	223	e237	255	253	240	260	252	257
12	241	437	304	241	224	e237	248	254	250	251	248	257
13	238	335	256	231	228	e270	246	253	255	255	391	246
14	227	249	265	232	249	e270	239	251	250	262	261	235
15	233	258	245	234	245	e270	232	264	240	259	300	232
16	223	297	244	237	249	e285	228	267	245	268	474	233
17	222	253	227	246	235	278	240	252	250	299	420	232
18	238	242	228	253	231	276	244	246	256	325	288	234
19	240	236	227	251	226	275	243	253	260	279	272	240
20	229	239	242	241	232	283	233	230	251	274	260	230
21	227	240	248	227	386	286	237	254	249	261	265	224
22	231	247	242	232	561	271	230	266	248	258	255	225
23	226	249	241	230	841	267	228	253	253	265	249	228
24	231	233	253	245	e298	259	233	252	247	269	242	227
25	240	236	357	249	e220	247	238	247	254	273	240	237
26	239	234	449	235	e650	246	241	239	257	265	237	248
27	230	253	258	230	e280	256	236	243	254	265	240	235
28	227	238	256	231	e250	257	231	241	251	262	245	223
29	231	254	249	239	e248	244	227	250	250	257	244	225
30	231	249	430	234	---	239	227	251	251	251	245	227
31	222	---	281	252	---	247	---	260	---	267	239	---
TOTAL	7,138	7,596	8,238	7,454	8,464	7,988	8,213	7,681	7,489	8,183	8,511	7,219
MEAN	230	253	266	240	292	258	274	248	250	264	275	241
MAX	241	437	449	270	841	370	674	267	260	325	474	341
MIN	218	223	227	227	220	227	227	230	240	247	237	223
AC-FT	14,160	15,070	16,340	14,790	16,790	15,840	16,290	15,240	14,850	16,230	16,880	14,320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

MEAN	160	162	161	167	171	166	161	157	158	163	167	164
MAX	230	253	266	240	292	258	274	248	250	264	275	241
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	79.0	83.2	85.5	91.7	94.7	86.4	80.8	79.1	70.3	73.3	66.8	75.0
(WY)	(1980)	(1980)	(1980)	(1982)	(1981)	(1980)	(1981)	(1979)	(1979)	(1979)	(1979)	(1979)

09419679 LAS VEGAS WASTEWAY NEAR EAST LAS VEGAS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1979 - 2004	
ANNUAL TOTAL	90,745		94,174			
ANNUAL MEAN	249		257		166	
HIGHEST ANNUAL MEAN					257	2004
LOWEST ANNUAL MEAN					87.3	1981
HIGHEST DAILY MEAN	596	Feb 13	841	Feb 23	841	Feb 23, 2004
LOWEST DAILY MEAN	200	Jan 22	218	Oct 1	45	Aug 22, 1979
ANNUAL SEVEN-DAY MINIMUM	218	Jan 26	227	Oct 1	50	Aug 19, 1979
MAXIMUM PEAK FLOW			1,300	Feb 22	1,300	Feb 22, 2004
MAXIMUM PEAK STAGE			7.30	Feb 22	7.30	Feb 22, 2004
ANNUAL RUNOFF (AC-FT)	180,000		186,800		120,300	
10 PERCENT EXCEEDS	261		275		230	
50 PERCENT EXCEEDS	240		246		169	
90 PERCENT EXCEEDS	229		228		95	

e Estimated

09419696 DUCK CREEK AT BROADBENT BOULEVARD AT EAST LAS VEGAS, NV

LOCATION.--Lat 36°05'27", long 115°01'23" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec. 26, T.12 S., R.62 E., Clark County, Hydrologic Unit 15010015, on upstream side of culvert, 285 ft east of Broadbent Boulevard, and 1.2 mi upstream from Las Vegas Wash.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1988-September 2000, miscellaneous measurements and annual peak flow; October 2000 to current year. Previously published as "at Tropicana Avenue".

GAGE.--Water-stage recorder. Elevation of gage is 1,605 ft above sea level, from topographic map. See schematic diagram of Lower Colorado River Basins.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Temporary gage installed in July, 2003 at Duck Creek Wetlands Park while new bridge at gage site was being constructed.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,100 ft^3/s, July 8,1999, from slope-area determination of peak flow; minimum daily, 0.18 ft^3/s, July 25, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 100 ft^3/s, August 17, gage height, 4.74 ft; minimum daily discharge, 0.18 ft^3/s, July 25.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e5.0	e2.7	1.9	1.2	0.48	0.95	e4.2	0.99	e2.0	e0.30	0.26	5.0
2	e5.1	e2.7	1.8	1.1	0.48	e2.9	e5.1	1.0	e1.8	e0.38	e3.7	4.6
3	e4.9	e2.8	1.7	0.98	0.52	e4.6	e3.6	1.0	e1.6	e0.84	e5.3	4.8
4	e4.9	e2.5	1.7	0.99	0.43	e1.9	e2.7	1.0	0.33	e0.30	e3.9	5.2
5	e4.3	e2.6	1.7	0.92	0.42	0.73	1.0	e1.0	0.32	e0.30	0.19	5.2
6	e4.0	e2.4	1.6	1.0	0.50	0.69	1.0	e0.90	0.29	e1.7	e0.23	4.1
7	e3.9	e2.1	1.6	0.94	0.49	e2.1	1.0	0.81	0.28	e2.2	e0.46	4.8
8	e4.0	e2.3	1.6	0.93	0.48	e1.9	e3.0	0.68	0.26	e0.65	e0.23	e6.2
9	e3.8	e2.8	1.6	0.93	0.47	0.62	e5.7	0.54	0.26	e0.57	e0.46	e14
10	e3.7	e3.8	e2.3	0.91	0.47	0.62	e2.1	0.54	0.23	e0.84	0.22	e14
11	e3.7	e5.3	e3.4	0.92	0.42	0.62	0.81	0.50	e0.32	e1.1	e2.3	10
12	e3.3	8.3	e2.9	0.84	0.44	0.69	0.77	0.54	e0.54	e1.4	0.26	7.1
13	e3.2	7.8	1.6	0.78	0.48	0.67	0.80	0.51	e0.62	e2.2	1.00	8.2
14	e3.1	4.8	1.6	0.76	0.51	0.69	0.87	0.50	e0.98	e2.9	0.67	9.1
15	e3.2	4.1	1.4	0.76	0.49	0.68	0.92	0.47	e0.83	e3.3	0.55	e8.1
16	e3.2	4.3	1.3	0.75	0.50	0.65	0.92	0.42	e1.1	e5.8	e3.3	e7.9
17	e3.0	2.9	1.3	0.69	1.2	0.62	0.92	0.40	e0.52	e3.1	e5.8	e6.8
18	e2.9	2.2	1.2	0.69	1.8	0.62	0.90	0.37	e0.52	0.21	2.8	e7.0
19	e2.9	1.8	1.2	0.69	1.8	0.62	0.88	0.37	e0.30	0.22	2.3	e4.7
20	e3.1	1.4	1.2	0.66	e2.9	0.65	0.85	0.34	e0.57	0.23	2.2	e4.1
21	e2.6	1.2	1.1	0.61	e4.1	0.58	0.87	0.34	e0.57	e0.35	2.4	e4.5
22	e2.6	1.3	1.1	0.56	e5.6	0.64	0.86	0.30	e1.1	e0.35	2.2	e4.1
23	e2.5	1.2	1.1	0.56	e4.9	0.69	0.92	0.31	e0.57	e0.30	2.1	e4.9
24	e2.3	1.4	1.2	0.62	e2.9	0.69	0.94	0.28	e0.98	e0.46	2.3	6.2
25	e2.3	1.5	1.7	0.58	e2.4	0.69	0.93	0.27	e0.57	0.18	2.7	5.6
26	e2.3	1.5	2.3	0.55	1.5	0.69	0.93	0.26	e0.84	e0.30	2.6	5.8
27	e2.2	1.5	1.3	0.58	1.0	0.69	0.92	0.24	e0.83	e0.35	2.8	6.5
28	e2.1	1.6	1.3	0.55	1.0	0.70	0.92	e0.72	e0.84	e0.23	3.2	e7.0
29	e2.1	1.7	1.2	0.56	0.94	0.73	0.92	e0.72	e0.38	0.22	3.8	e4.9
30	e2.5	1.7	2.1	0.56	---	0.68	0.92	0.34	e0.29	e0.23	4.9	7.7
31	e2.2	---	1.2	0.51	---	0.67	---	e1.1	---	0.20	5.1	---
TOTAL	100.9	84.2	50.2	23.68	39.62	30.97	47.17	17.76	20.64	31.71	70.23	198.1
MEAN	3.25	2.81	1.62	0.76	1.37	1.00	1.57	0.57	0.69	1.02	2.27	6.60
MAX	5.1	8.3	3.4	1.2	5.6	4.6	5.7	1.1	2.0	5.8	5.8	14
MIN	2.1	1.2	1.1	0.51	0.42	0.58	0.77	0.24	0.23	0.18	0.19	4.1
AC-FT	200	167	100	47	79	61	94	35	41	63	139	393

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	5.35	4.76	4.18	4.48	13.9	6.64	12.3	4.51	4.48	7.10	5.07	5.48
MAX	7.37	7.25	7.12	7.11	26.0	10.4	29.9	6.65	6.46	14.7	7.26	6.60
(WY)	(2003)	(2003)	(2003)	(2003)	(2001)	(2003)	(2003)	(2001)	(2001)	(2001)	(2003)	(2004)
MIN	3.25	2.81	1.62	0.76	1.37	1.00	1.57	0.57	0.69	1.02	2.27	4.66
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)

09419696 DUCK CREEK AT BROADBENT BOULEVARD AT EAST LAS VEGAS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	3,194.0		715.18			
ANNUAL MEAN	8.75		1.95		5.77	
HIGHEST ANNUAL MEAN					9.93	2003
LOWEST ANNUAL MEAN					1.95	2004
HIGHEST DAILY MEAN	580	Apr 15	14	Sep 9	580	Apr 15, 2003
LOWEST DAILY MEAN	1.1	Dec 21	0.18	Jul 25	0.18	Jul 25, 2004
ANNUAL SEVEN-DAY MINIMUM	1.2	Dec 18	0.24	Jul 25	0.24	Jul 25, 2004
MAXIMUM PEAK FLOW			80	Sep 9	3,100	Jul 8, 1999
MAXIMUM PEAK STAGE					8.70	Jul 6, 2001
ANNUAL RUNOFF (AC-FT)	6,340		1,420		4,180	
10 PERCENT EXCEEDS	10		4.9		7.5	
50 PERCENT EXCEEDS	5.6		1.0		5.1	
90 PERCENT EXCEEDS	1.8		0.34		0.68	

e Estimated

09419700 LAS VEGAS WASH AT PABCO ROAD NEAR HENDERSON, NV

LOCATION.--Lat 36°05'15", long 114°59'06" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec. 30, T.21 S., R.63 E., Clark County, Hydrologic Unit 15010015, on right bank, at low-head dam, 3.5 mi north of Henderson and 6.0 mi upstream from Lake Mead.

DRAINAGE AREA.--2,125 mi^2 of which 607 mi^2 probably is noncontributing.

PERIOD OF RECORD.--May 1957 to September 1983 and, October 1984 to September 1988 (published as "near Henderson"), October 2000 to current year.

GAGE.--Water-stage recorder and low-head concrete dam. Elevation of gage is 1,540 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 4, 2000, at several sites and datums within 2.5 mi of current location.

REMARKS.--Records good except for estimated daily discharges, which are poor. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,510 ft^3/s, on basis of slope-area computation of peak flow, July 4, 1975, gage height, 10.67 ft, datum then in use, from floodmarks and rating curve extension above 3,340 ft^3/s; minimum daily, 4.8 ft^3/s, August 17, 1960.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 18,000 ft^3/s, July 8, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,010 ft^3/s, February 23, gage height, 7.67 ft; minimum daily discharge, 225 ft^3/s, October 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	253	233	250	264	251	275	289	264	247	248	250	268
2	258	238	249	269	235	354	890	264	247	249	264	269
3	261	234	246	265	239	286	635	266	246	250	265	270
4	257	234	251	264	229	281	295	263	248	247	265	277
5	247	236	245	253	233	283	283	259	248	251	261	282
6	245	240	249	247	234	287	278	255	244	258	264	282
7	243	246	263	244	247	288	273	251	245	252	267	276
8	241	245	274	241	250	288	271	261	244	247	264	285
9	239	247	269	240	248	289	285	259	243	254	272	454
10	242	247	269	244	243	296	283	260	242	254	255	348
11	239	244	443	253	237	294	276	258	242	246	263	319
12	238	446	310	251	245	295	275	259	242	247	261	310
13	244	322	262	246	255	313	275	256	240	249	441	289
14	237	251	264	248	270	314	277	257	e246	253	290	276
15	244	252	264	247	268	319	279	258	e243	251	322	273
16	237	274	273	255	274	326	279	264	e243	259	565	271
17	238	252	274	257	265	328	289	252	e246	289	505	272
18	240	251	286	263	266	330	279	258	e240	319	314	280
19	239	249	247	260	264	323	280	265	e243	261	303	277
20	239	248	238	269	269	325	272	251	e243	262	289	266
21	240	251	251	263	385	322	275	257	e243	252	296	268
22	240	256	259	268	538	313	263	263	e240	249	282	261
23	235	254	271	268	1,070	312	260	253	239	254	285	267
24	238	248	295	271	271	315	258	254	245	258	283	261
25	240	248	429	277	314	299	266	254	246	256	278	267
26	238	251	660	266	636	301	263	249	246	254	280	275
27	226	262	305	257	294	295	264	254	247	256	273	274
28	225	247	271	257	283	298	266	251	243	252	281	255
29	232	259	e250	258	279	287	265	256	241	249	267	259
30	238	258	308	251	---	286	261	247	247	247	275	268
31	234	---	246	256	---	286	---	249	---	254	279	---
TOTAL	7,467	7,723	8,971	7,972	9,092	9,408	9,204	7,967	7,319	7,927	9,259	8,499
MEAN	241	257	289	257	314	303	307	257	244	256	299	283
MAX	261	446	660	277	1,070	354	890	266	248	319	565	454
MIN	225	233	238	240	229	275	258	247	239	246	250	255
AC-FT	14,810	15,320	17,790	15,810	18,030	18,660	18,260	15,800	14,520	15,720	18,370	16,860

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2004, BY WATER YEAR (WY)

MEAN	78.3	84.3	85.3	87.2	92.7	83.2	78.6	72.8	69.2	70.9	81.1	76.6
MAX	242	264	289	288	344	303	307	257	244	256	340	283
(WY)	(2003)	(2003)	(2004)	(2001)	(2001)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2004)
MIN	17.3	19.5	22.5	22.1	21.8	20.9	18.2	14.5	8.76	7.54	8.19	13.2
(WY)	(1962)	(1963)	(1961)	(1962)	(1962)	(1962)	(1962)	(1962)	(1958)	(1962)	(1962)	(1964)

09419700 LAS VEGAS WASH AT PABCO ROAD NEAR HENDERSON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1957 - 2004	
ANNUAL TOTAL	95,776		100,808			
ANNUAL MEAN	262		275		80.8	
HIGHEST ANNUAL MEAN					275	2004
LOWEST ANNUAL MEAN					16.9	1962
HIGHEST DAILY MEAN	1,010	Feb 26	1,070	Feb 23	1,430	Jul 4, 1975
LOWEST DAILY MEAN	182	Jun 3	225	Oct 28	4.8	Aug 17, 1960
ANNUAL SEVEN-DAY MINIMUM	192	May 29	232	Oct 26	6.6	Jul 7, 1962
MAXIMUM PEAK FLOW			2,010	Feb 23	6,510	Jul 4, 1975
MAXIMUM PEAK STAGE			7.67	Feb 23	10.67	Jul 4, 1975
ANNUAL RUNOFF (AC-FT)	190,000		200,000		58,530	
10 PERCENT EXCEEDS	314		309		220	
50 PERCENT EXCEEDS	249		260		56	
90 PERCENT EXCEEDS	207		240		17	

e Estimated

09419740 C-1 CHANNEL NEAR WARM SPRINGS ROAD AT HENDERSON, NV

LOCATION.--Lat 36°02'41", long 114°57'30" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 08, T.22 S., R.63 E., Clark County, Hydrologic Unit 15010015, on left bank, 0.8 mi east of Lake Mead Drive and 0.3 mi south of Warm Springs Road.

DRAINAGE AREA.--3.78 mi^2.

PERIOD OF RECORD.--October 1990 to September 1994 (published as "at Warm Springs Road near Henderson"), May 1995 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,870 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to May 24, 1995, water-stage recorder at site 0.3 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,700 ft^3/s, August 10, 1997, gage height, 18.44 ft; no flow most of time. Maximum daily precipitation, 2.36 inches, August 10, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 54 ft^3/s, April 2, gage height, 11.24 ft; minimum daily discharge, 0.00 ft^3/s, on many days. Maximum daily precipitation, 1.12 in., April 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	3.1	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	1.3	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	0.42	0.04	0.00	1.42	0.00	4.40	0.00	0.00	0.00	0.00	0.00
MEAN	0.00	0.01	0.00	0.00	0.05	0.00	0.15	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.42	0.04	0.00	1.4	0.00	3.1	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.8	0.08	0.00	2.8	0.00	8.7	0.00	0.00	0.00	0.00	0.00
†	0.00	0.80	0.68	0.08	1.80	0.20	1.40	0.00	0.08	0.00	0.08	0.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	0.21	0.05	0.22	1.63	0.52	0.81	3.73	0.93	1.26	4.13	4.41	2.18
MAX	1.53	0.57	2.52	20.2	2.96	8.24	48.3	12.1	17.6	56.2	45.9	25.1
(WY)	(2003)	(2002)	(2002)	(2002)	(2002)	(1992)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1991)	(1991)	(1992)	(1994)	(1994)	(1994)	(1991)	(1991)	(1992)	(1991)	(1994)	(1992)

09419740 C-1 CHANNEL NEAR WARM SPRINGS ROAD AT HENDERSON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 200YEAR8TENDNGS

09419756 LAS VEGAS WASH OVERFLOW AT LAKE LAS VEGAS INLET

LOCATION.--Lat 36°06'09", long 114°56'01" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec. 22, T.21 S., R.63 E., Clark County, Hydrologic Unit 15010015, on right end of weir at Lake Las Vegas Inlet structure, about 3.5 mi northeast of Henderson.

DRAINAGE AREA.--2,190 mi^2.

PERIOD OF RECORD.--October 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,400 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,000 ft^3/s, July 8, 1999, gage height, 40.04 ft; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,200 ft^3/s, February 23, gage height, 28.84 ft; minimum daily discharge, 0.00 ft^3/s, most days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	343	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	253	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	103	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	3.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	539	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	93	0.00	1.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	100.00	93.00	0.00	544.10	0.00	596.25	0.00	0.00	0.00	144.00	19.00
MEAN	0.00	3.33	3.00	0.00	18.8	0.00	19.9	0.00	0.00	0.00	4.65	0.63
MAX	0.00	79	93	0.00	539	0.00	343	0.00	0.00	0.00	103	19
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	198	184	0.00	1,080	0.00	1,180	0.00	0.00	0.00	286	38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	0.00	0.56	0.23	1.87	14.2	3.87	1.53	0.00	0.00	11.8	1.14	5.88
MAX	0.01	3.97	3.00	23.5	64.4	46.2	19.9	0.00	0.00	146	8.42	75.1
(WY)	(1993)	(1997)	(2004)	(1995)	(2000)	(1992)	(2004)	(1992)	(1992)	(1999)	(2003)	(1998)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1992)	(1992)	(1992)	(1993)	(1995)	(1993)	(1992)	(1992)	(1992)	(1992)	(1992)	(1992)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	1,104.00		1,496.35			
ANNUAL MEAN	3.02		4.09		3.36	
HIGHEST ANNUAL MEAN					12.4	1999
LOWEST ANNUAL MEAN					0.00	1996
HIGHEST DAILY MEAN	306	Feb 26	539	Feb 23	4,100	Jul 8, 1999
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1991
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1991
MAXIMUM PEAK FLOW			2,200	Feb 23	17,000	Jul 8, 1999
MAXIMUM PEAK STAGE			28.84	Feb 23	40.04	Jul 8, 1999
ANNUAL RUNOFF (AC-FT)	2,190		2,970		2,430	
10 PERCENT EXCEEDS	0.00		0.00		0.00	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

09419800 LAS VEGAS WASH BELOW LAKE LAS VEGAS NEAR BOULDER CITY, NV

LOCATION.--Lat 36°07'20", long 114°54'15" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec. 14, T.21 S., R.63 E., Clark County, Hydrologic Unit 15010015, in Lake Mead Recreation Area, on right bank, under bridge at North Shore Road, and 11.0 mi northeast of Boulder City.

DRAINAGE AREA.--2,193 mi^2 of which 607 mi^2 probably is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1969 to September 1984, July 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,280 ft above National Geodetic Vertical Datum of 1929, from topographic map.
REMARKS.--Records good except for estimated daily discharges, which are poor. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,760 ft^3/s, August 14, 1984, gage height, 11.32 ft, from slope-area measurement of peak flow; minimum daily, 17 ft^3/s, July 8, 30, 1971.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 10,800 ft^3/s, July 8, 1999, from slope-area measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,780 ft^3/s, April 2, gage height, 6.84 ft; minimum daily discharge, 204 ft^3/s, June 9.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	267	283	288	284	272	281	263	e295	215	254	216	215
2	290	298	279	287	262	382	702	e305	221	245	227	214
3	307	280	273	289	268	282	620	e295	229	250	229	232
4	324	249	255	292	264	270	381	283	224	245	225	238
5	299	247	257	264	260	268	319	260	225	246	221	243
6	289	259	260	244	264	269	280	252	212	254	222	237
7	262	266	274	225	285	270	312	237	213	248	224	222
8	257	267	282	223	285	269	289	253	205	241	222	225
9	255	273	280	220	291	266	315	250	204	232	229	313
10	262	272	275	229	291	272	286	251	213	230	217	326
11	257	266	354	242	281	266	304	247	223	224	219	274
12	264	334	386	239	289	259	308	232	227	225	215	274
13	264	358	269	240	303	274	287	226	234	237	339	264
14	259	262	267	243	326	267	288	222	217	232	232	246
15	255	288	269	241	327	265	290	228	211	235	234	245
16	249	294	266	244	338	270	285	237	209	241	331	237
17	251	264	251	248	338	270	298	226	214	253	406	231
18	259	265	255	252	326	272	298	229	e230	278	255	231
19	260	264	253	241	292	255	299	239	e230	231	245	230
20	255	262	271	249	294	270	297	223	e230	231	230	231
21	253	268	294	238	417	284	305	236	e230	224	234	231
22	258	273	301	237	492	283	290	247	228	218	217	231
23	255	268	297	241	923	276	293	225	228	223	211	235
24	253	264	294	251	537	275	291	226	228	223	215	237
25	260	260	294	259	493	255	307	224	231	223	213	235
26	255	271	510	254	847	260	316	207	251	219	220	245
27	242	291	282	248	327	264	311	219	256	221	216	247
28	240	276	276	255	293	269	302	217	255	221	222	234
29	262	291	267	255	287	263	318	225	262	214	215	237
30	290	305	419	251	---	261	e300	217	278	224	221	245
31	289	---	307	271	---	253	---	218	---	224	224	---
TOTAL	8,242	8,318	9,105	7,756	10,472	8,440	9,754	7,451	6,833	7,266	7,346	7,305
MEAN	266	277	294	250	361	272	325	240	228	234	237	244
MAX	324	358	510	292	923	382	702	305	278	278	406	326
MIN	240	247	251	220	260	253	263	207	204	214	211	214
AC-FT	16,350	16,500	18,060	15,380	20,770	16,740	19,350	14,780	13,550	14,410	14,570	14,490

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2004, BY WATER YEAR (WY)

MEAN	105	105	112	110	122	111	105	94.3	86.5	106	108	108
MAX	266	277	294	274	361	287	325	245	234	272	282	290
(WY)	(2004)	(2004)	(2004)	(2003)	(2004)	(2003)	(2004)	(2003)	(2003)	(2002)	(2002)	(2002)
MIN	51.6	54.5	57.0	60.4	57.0	49.2	44.2	39.9	35.7	27.3	33.5	38.0
(WY)	(1971)	(1970)	(1970)	(1970)	(1970)	(1972)	(1971)	(1972)	(1974)	(1971)	(1969)	(1970)

09419800 LAS VEGAS WASH BELOW LAKE LAS VEGAS NEAR BOULDER CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1969 - 2004	
ANNUAL TOTAL	97,531		98,288			
ANNUAL MEAN	267		269		104	
HIGHEST ANNUAL MEAN					269	2004
LOWEST ANNUAL MEAN					48.6	1971
HIGHEST DAILY MEAN	773	Feb 13	923	Feb 23	1,400	Jul 23, 1984
LOWEST DAILY MEAN	205	Jul 13	204	Jun 9	17	Jul 8, 1971
ANNUAL SEVEN-DAY MINIMUM	211	Jul 9	214	Jun 5	21	Jul 4, 1971
MAXIMUM PEAK FLOW			1,780	Apr 2	7,760	Aug 14, 1984
MAXIMUM PEAK STAGE			6.84	Apr 2	11.32	Aug 14, 1984
ANNUAL RUNOFF (AC-FT)	193,500		195,000		75,370	
10 PERCENT EXCEEDS	300		307		230	
50 PERCENT EXCEEDS	260		257		87	
90 PERCENT EXCEEDS	229		221		49	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1964 to January 1965, September 1966 to February 1986, November 2001 to August 2002, May to September 2004.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1975 to March 1976, November 1976 to April 1978, and August 1979 to February 1986.
WATER TEMPERATURE: November 1979 to February 1986.

REMARKS.--Discharge includes sewage effluent and wastewater from industrial plants. City and county sewage plants implemented chemical removal of phosphorus from effluent during water year 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 6,140 microsiemens/cm February 7, 1976; minimum daily, 1,390 microsiemens/cm July 7, 1985.
WATER TEMPERATURE: Maximum, 30.5°C July 11, 12, 1985; minimum, 7.5°C February 8, 1982, January 19, 21, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	[a]Iso-butyl alcohol -d6, surrog, wat unf pct rcv (62835)	Methyl acetate water unfltrd ug/L (77032)	tert-Amyl alcohol water unfltrd ug/L (77073)	tert-Butyl-alcohol water unfltrd ug/L (77035)	[a]1,2-Di-chloro-ethane-d4, sur Sch2090 wat unf pct rcv (99832)	[a]14Bromo fluoro-benzene surrog. VOC Sch wat unf pct rcv (99834)	Acetone water unfltrd ug/L (81552)
MAY									
26...	1010	Environmental	108	<2.0	<.4	<1.00	98.9	94.9	2
JUN									
03...	1230	Environmental	104	<2.0	<.4	<1.00	98.5	93.2	2
24...	1715	Environmental	91.4	<.4	<.4	<1.00	98.1	100	2
JUL									
07...	1450	Environmental	96.6	<.4	<.4	<1.00	104	98.1	2
SEP									
07...	1425	Environmental	96.6	<.4	<.4	<1.00	99.1	102	2

Date	Benzene water unfltrd ug/L (34030)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl-benzene water unfltrd ug/L (34371)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	o-Xylene, water, unfltrd ug/L (77135)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	Toluene water unfltrd ug/L (34010)	[a]Toluene -d8, surrog, Sch2090 wat unf percent recovry (99833)
MAY										
26...	<.01	<.08	<.03	<.07	<.07	<.04	<.1	<.08	.06	99.7
JUN										
03...	<.01	<.08	<.03	<.07	<.07	<.04	<.1	<.08	.05	100
24...	<.01	<.08	<.03	<.07	<.07	<.04	<.1	<.08	.06	103
JUL										
07...	<.01	<.08	<.03	<.07	<.07	<.04	<.1	<.08	.05	99.5
SEP										
07...	<.01	<.08	<.03	<.07	<.07	<.04	<.1	<.08	E.02	103

Remark codes used in this table:
< -- Less than
E -- Estimated value

[a] -- Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

09421000 LAKE MEAD AT HOOVER DAM, AZ-NV

LOCATION.--Lat 36°00'58", long 114°44'13" referenced to North American Datum of 1927, Clark County, Hydrologic Unit 15010005, in powerhouse at downstream side of Hoover Dam.

DRAINAGE AREA.--171,700 mi^2 including 3,959 mi^2 in Great Divide basin in southern Wyoming, which is noncontributing (previously considered part of the Missouri River basin).

PERIOD OF RECORD.--Contents: February 1935 to current year. Diversions (monthly totals only): to Boulder City area, since October 1935; to Henderson and Las Vegas areas, since April 1942; combined diversions since October 1968. Prior to 1946 published as "at Boulder Dam."

REVISED RECORDS.--WSP 899: 1935-39.

GAGE.--Water-stage indicator read once daily at midnight, with supplementary water-stage recorder. Datum of gage is 0.00 ft to Local Powerhouse datum.

REMARKS.--Reservoir is formed by concrete arch-gravity dam; storage began February 1, 1935; dam completed March 1, 1936. Total capacity (based on 1963-64 resurvey by Coast and Geodetic Survey; capacity table put into use April 1, 1967), 29,755,000 acre-ft, consisting of the following: Dead storage, 2,378,000 acre-ft below gage height 895.0 ft--gate sills in outlet towers; usable contents, 26,159,000 acre-ft between gage heights 895.0 ft and 1,221.4 ft (top of automatic spillway gates in raised position); uncontrolled storage, 1,218,000 acre-ft between gage heights 1,221.4 ft and 1,229.0 ft (maximum water surface). Reservoir is used to store water for flood control, irrigation, municipal water supply, power development, and recreation. Figures given herein represent usable contents. See schematic diagram of Lower Colorado River Basins.

DIVERSIONS FROM LAKE MEAD.-- Diversions to Boulder City area at dam; diversions to Henderson and Las Vegas areas from intakes 6 mi upstream. Diversions measured by Venturi meters. Water used for municipal and industrial purposes.

COOPERATION.--Records of gage height and contents furnished by Bureau of Reclamation. Records of diversions from Lake Mead furnished by Bureau of Reclamation and Colorado River Commission of Nevada.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 27,790,000 acre-ft, July 29, 30, 1941 (on basis of original bathymetry), gage height, 1,220.45 ft; maximum gage height, 1,225.85 ft, July 24, 1983 (equivalent to 26,868,000 acre-ft on basis of resurveyed bathymetry of 1963-64); minimum contents (since 1940), 10,695,000 acre-ft, April 26, 1956, gage height, 1,083.21 ft.

EXTREMES FOR CURRENT YEAR.-- Maximum contents, 15,647,000 acre-ft, October 12, gage height 1,142.39 ft; minimum, 13,924,000 acre-ft, July 30, 31, gage height, 1,125.73 ft.

RESERVOIR STORAGE, THOUSAND ACRE FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15,612	15,514	15,334	15,306	15,437	15,399	15,252	14,850	14,309	14,025	13,935	14,025
2	15,621	15,513	15,326	15,306	15,438	15,390	15,251	14,828	14,284	14,023	13,932	14,032
3	15,625	15,500	15,323	15,315	15,433	15,383	15,237	14,810	14,265	14,031	13,931	14,032
4	15,627	15,489	15,330	15,319	15,435	15,387	15,234	14,788	14,267	14,036	13,932	14,035
5	15,632	15,479	15,330	15,319	15,436	15,401	15,221	14,774	14,266	14,026	13,936	14,035
6	15,638	15,468	15,327	15,314	15,432	15,402	15,205	14,755	14,272	14,012	13,943	14,037
7	15,638	15,466	15,334	15,324	15,436	15,396	15,192	14,730	14,279	14,012	13,956	14,033
8	15,637	15,466	15,334	15,323	15,439	15,386	15,182	14,719	14,270	14,009	13,969	14,022
9	15,638	15,459	15,326	15,327	15,444	15,380	15,175	14,707	14,272	14,005	13,972	14,004
10	15,646	15,456	15,319	15,341	15,437	15,369	15,162	14,697	14,256	14,005	13,970	14,001
11	15,645	15,455	15,315	15,349	15,421	15,366	15,155	14,696	14,231	14,006	13,966	13,988
12	15,647	15,451	15,317	15,357	15,419	15,364	15,139	14,674	14,215	13,993	13,967	13,983
13	15,638	15,438	15,314	15,369	15,410	15,369	15,125	14,657	14,204	13,977	13,981	13,984
14	15,639	15,428	15,321	15,378	15,419	15,374	15,114	14,645	14,185	13,967	13,995	13,987
15	15,640	15,429	15,321	15,385	15,429	15,371	15,094	14,629	14,165	13,959	14,005	13,985
16	15,625	15,431	15,307	15,398	15,435	15,359	15,073	14,620	14,150	13,949	14,015	13,980
17	15,624	15,429	15,306	15,404	15,434	15,345	15,065	14,608	14,140	13,958	14,013	13,974
18	15,624	15,422	15,304	15,412	15,434	15,342	15,054	14,590	14,126	13,951	14,021	13,971
19	15,624	15,411	15,302	15,415	15,443	15,335	15,049	14,569	14,130	13,945	14,017	13,967
20	15,617	15,403	15,296	15,422	15,432	15,330	15,026	14,545	14,126	13,952	14,028	13,976
21	15,608	15,382	15,308	15,423	15,436	15,332	15,002	14,532	14,121	13,954	14,034	13,977
22	15,601	15,382	15,305	15,428	15,438	15,323	14,981	14,526	14,108	13,952	14,047	13,970
23	15,598	15,368	15,303	15,440	15,440	15,317	14,958	14,523	14,093	13,947	14,054	13,970
24	15,590	15,355	15,302	15,441	15,437	15,305	14,940	14,508	14,082	13,945	14,058	13,965
25	15,588	15,351	15,299	15,449	15,418	15,301	14,934	14,478	14,074	13,943	14,046	13,960
26	15,589	15,347	15,309	15,443	15,408	15,294	14,916	14,395	14,068	13,940	14,034	13,962
27	15,585	15,337	15,306	15,441	15,394	15,299	14,902	14,421	14,068	13,944	14,023	13,956
28	15,566	15,339	15,302	15,438	15,390	15,293	14,894	14,385	14,066	13,941	14,032	13,950
29	15,544	15,337	15,300	15,436	15,404	15,292	14,884	14,364	14,060	13,931	14,031	13,944
30	15,529	15,337	15,294	15,436	---	15,284	14,866	14,345	14,042	13,924	14,025	13,937
31	15,517	---	15,300	15,434	---	15,255	---	14,324	---	13,924	14,018	---
MAX	15,647	15,514	15,334	15,449	15,444	15,402	15,252	14,850	14,309	14,036	14,058	14,037
MIN	15,517	15,337	15,294	15,306	15,390	15,255	14,866	14,324	14,042	13,924	13,931	13,937
*	1,141.17	1,139.48	1,139.12	1,140.39	1,140.11	1,138.70	1,134.98	1,129.70	1,126.93	1,125.73	1,126.67	1,125.86
#	-101,000	-180,000	-37,000	+134,000	-30,000	-149,000	-389,000	-542,000	-282,000	-118,000	+94,000	-81,000
##	48,065	36,066	34,878	30,693	26,483	35,324	38,463	51,110	45,754	46,842	43,357	38,557

CAL YR 2003 MAX 16,997 MIN 15,294 # -1,821,000 ## 469,955
WTR YR 2004 MAX 15,647 MIN 13,924 # -1,681,000 ## 475,592

Elevation, in feet above NGVD 1929, at end of month, present datum.
Change in contents, in acre-feet.
* Gage height, in feet, at end of month.

09421500 COLORADO RIVER BELOW HOOVER DAM, AZ-NV

LOCATION.--Lat 36°00'55", long 114°44'16" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec. 03, T.30 N., R.23 W., Clark County, Hydrologic Unit 15010005, in powerhouse at downstream side of Hoover Dam.

DRAINAGE AREA.--171,700 mi^2 including 3,959 mi^2 in Great Divide basin in southern Wyoming, which is noncontributing (previously considered part of the Missouri River basin).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1933 to current year (prior to April 1934, monthly discharge only, published in WSP 1313). Published as "near Willow Beach" 1933-39 and as "below Boulder Dam" 1939-45.

GAGE.--Acoustical velocity meters on each turbine in Hoover Dam. Prior to November 1, 1939, water-stage recorder at site 9 mi downstream at datum 594.8 ft above National Geodetic Vertical Datum of 1929. November 1, 1939, to June 30, 1958, water-stage recorder at site 0.8 mi downstream at datum 600.35 ft above NGVD of 1929. July 1, 1958, to November 7, 1979, totalizing flowmeter on each turbine.

REMARKS.--Flow regulated by Hoover Dam on Lake Mead since February 1, 1935. Many diversions above station for irrigation, industrial, and municipal use. See schematic diagram of Lower Colorado River Basins.

COOPERATION.--Discharge data provided by Bureau of Reclamation, Boulder City, Nevada.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 50,800 ft^3/s, July 29, 1983, no flow at Hoover Dam part of February 10, 1935; minimum daily, 152 ft^3/s, February 10, 1935.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 26,100 ft^3/s, May 28, minimum daily discharge, 4,270 ft^3/s, October 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,740	9,670	9,990	7,030	12,700	17,200	16,400	19,200	15,700	14,900	9,730	10,100
2	4,270	8,200	10,800	7,810	14,500	17,500	16,500	22,900	18,200	15,900	12,800	8,970
3	5,850	13,200	10,500	7,390	12,000	11,700	21,100	20,800	17,100	8,730	12,800	8,190
4	5,250	13,400	9,260	10,300	10,100	10,800	14,900	17,400	13,500	8,920	12,800	7,170
5	7,720	11,400	8,450	12,700	13,200	9,880	17,100	17,200	12,700	18,500	12,100	7,040
6	7,050	11,400	7,780	13,600	16,000	14,500	18,500	18,400	8,970	18,600	10,500	7,500
7	8,170	10,200	6,800	9,050	11,600	16,800	18,600	19,400	9,070	13,400	8,680	9,620
8	8,360	7,170	10,200	11,200	12,400	17,700	16,800	15,800	14,600	13,000	9,160	14,500
9	5,350	9,770	13,100	10,700	11,200	15,700	16,900	16,700	11,200	15,400	12,300	14,500
10	5,120	9,390	12,300	7,100	15,200	12,600	16,300	13,100	20,900	13,600	13,400	12,100
11	4,590	10,300	11,300	8,400	16,900	15,500	14,700	18,200	25,600	12,500	14,300	13,200
12	6,180	10,600	10,100	9,060	15,500	16,200	18,800	19,600	21,600	20,300	9,800	11,000
13	12,300	12,600	11,100	8,580	15,500	12,100	16,100	18,300	18,500	20,600	11,400	6,660
14	7,270	13,600	9,730	8,580	10,900	12,600	17,800	15,700	22,400	18,600	8,350	6,730
15	6,650	8,610	11,300	9,600	9,400	15,300	18,800	16,100	20,400	18,600	7,720	7,700
16	14,200	7,740	12,100	9,640	9,830	17,800	21,000	14,500	19,800	19,500	11,800	10,500
17	12,100	9,430	9,770	8,130	12,900	15,900	14,500	14,600	20,300	12,200	14,000	9,950
18	8,410	12,100	10,100	8,640	9,380	15,000	14,800	18,200	18,100	17,000	12,600	6,610
19	7,270	12,700	10,700	11,900	11,500	17,900	13,100	20,000	11,200	20,800	15,000	6,550
20	10,000	14,000	8,350	9,610	18,500	15,900	21,300	19,400	13,700	12,300	15,400	4,590
21	9,640	13,100	9,390	11,700	14,700	14,600	21,600	16,100	14,100	11,100	7,820	9,450
22	10,200	10,200	10,200	9,690	14,300	17,400	22,300	12,800	20,300	16,300	6,340	10,800
23	11,400	13,200	11,700	7,970	14,900	16,700	21,600	9,800	19,300	17,000	8,690	11,000
24	9,010	12,100	9,080	9,480	15,300	14,700	17,800	16,600	19,200	13,800	10,400	12,000
25	5,450	9,130	7,770	9,580	19,700	14,900	17,500	22,600	18,900	16,100	18,200	9,820
26	6,550	12,500	7,780	13,600	21,500	17,900	19,400	23,500	16,300	16,700	20,800	8,730
27	9,580	11,000	11,900	14,800	19,900	13,000	18,000	23,600	13,100	13,200	20,000	10,900
28	16,500	8,240	11,600	12,600	16,100	16,800	14,400	26,100	12,700	13,300	11,200	10,400
29	12,900	8,200	11,700	13,000	10,600	12,900	14,100	21,400	13,800	17,600	11,500	9,480
30	12,600	8,060	11,100	14,500	---	17,100	18,300	19,100	20,200	17,400	17,600	10,500
31	13,700	---	8,280	13,300	---	22,200	---	19,800	---	14,300	17,900	---
TOTAL	271,380	321,210	314,230	319,240	406,210	476,780	529,000	566,900	501,440	480,150	385,090	286,260
MEAN	8,754	10,710	10,140	10,300	14,010	15,380	17,630	18,290	16,710	15,490	12,420	9,542
MAX	16,500	14,000	13,100	14,800	21,500	22,200	22,300	26,100	25,600	20,800	20,800	14,500
MIN	4,270	7,170	6,800	7,030	9,380	9,880	13,100	9,800	8,970	8,730	6,340	4,590
AC-FT	538,300	637,100	623,300	633,200	805,700	945,700	1,049,000	1,124,000	994,600	952,400	763,800	567,800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2004, BY WATER YEAR (WY)

MEAN	11,640	11,590	12,000	12,240	12,680	14,910	16,010	16,360	15,710	15,480	14,920	13,090
MAX	34,250	30,530	33,670	32,700	30,680	28,790	26,290	33,330	34,890	41,870	39,390	36,750
(WY)	(1984)	(1942)	(1942)	(1942)	(1984)	(1984)	(1984)	(1986)	(1984)	(1983)	(1983)	(1983)
MIN	3,109	3,519	4,444	3,540	1,106	5,474	7,297	8,898	9,786	2,783	2,631	3,312
(WY)	(1935)	(1935)	(1935)	(1979)	(1993)	(1993)	(1935)	(1937)	(1940)	(1934)	(1934)	(1934)

09421500 COLORADO RIVER BELOW HOOVER DAM, AZ-NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1934 - 2004	
ANNUAL TOTAL	4,729,960		4,857,890			
ANNUAL MEAN	12,960		13,270		13,950	
HIGHEST ANNUAL MEAN					30,590	1984
LOWEST ANNUAL MEAN					7,674	1935
HIGHEST DAILY MEAN	24,500	Apr 23	26,100	May 28	50,800	Jul 29, 1983
LOWEST DAILY MEAN	4,270	Oct 2	4,270	Oct 2	152	Feb 10, 1935
ANNUAL SEVEN-DAY MINIMUM	6,400	Oct 6	6,400	Oct 6	927	Feb 25, 1980
ANNUAL RUNOFF (AC-FT)	9,382,000		9,636,000		10,100,000	
10 PERCENT EXCEEDS	19,500		19,400		21,600	
50 PERCENT EXCEEDS	12,300		12,800		13,400	
90 PERCENT EXCEEDS	7,760		7,820		6,670	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1940 to current year.

PERIOD OF DAILY RECORD.--
CHEMICAL ANALYSES: October 1939 to September 1944, October 1950 to September 1957, October 1967 to March 1970.
SPECIFIC CONDUCTANCE: October 1939 to July 1957, October 1977 to September 1987.
WATER TEMPERATURE: October 1941 to July 1957, October 1977 to September 1987.

REMARKS.--Samples collected at gaging station 0.3 mi downstream from Hoover Dam. Unpublished chemical analyses for period October 1939 to September 1940 available from the U.S. Geological Survey in Tucson, Arizona. Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data."

EXTREMES FOR PERIOD OF DAILY RECORD.--(Since October 1977)
SPECIFIC CONDUCTANCE: Maximum, 1,180 microsiemens, cm, June 10, 1980; minimum, 787 microsiemens, cm, April 20, 1987.
WATER TEMPERATURE: Maximum, 21.5°C, July 23, 1983; minimum, 9.0°C, January 10, 1978.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
NOV												
25...	0915	Environmental	5,830	.041	.027	745	7.4	76	7.9	982	27.5	15.2
MAR												
03...	1115	Environmental	7,400	.045	.031	741	9.6	93	8.1	988	22.0	12.4
JUN												
17...	1115	Environmental	E25,100	.038	.024	738	8.3	83	7.5	1,020	26.0	13.6
SEP												
09...	1030	Environmental	E7,530	.041	.028	747	7.6	75	7.8	1,020	36.0	13.6
09...	1045	**Replicate**	--	--	--	--	--	--	--	--	--	--

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
NOV													
25...	73.6	27.3	4.29	86.4	136	128	155	83.1	.3	8.51	235	634	.17
MAR													
03...	74.8	28.1	4.66	95.6	137	133	159	84.5	.4	8.73	245	663	.17
JUN													
17...	76.7	29.6	4.57	96.3	137	133	160	85.1	.3	8.51	242	665	.16
SEP													
09...	78.4	28.5	4.64	90.8	140	135	164	83.9	.3	8.33	243	661	.15
09...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)
NOV													
25...	.20	<.04	.44	<.008	.03	<.006	.006	.009	.3	<.1	.3	2.8	<2
MAR													
03...	.16	<.04	.44	E.005	<.02	<.006	E.004	.005	.1	<.1	.1	2.6	<2
JUN													
17...	.16	<.04	.42	<.008	<.02	<.006	.004	.005	.1	<.1	.1	2.9	<2
SEP													
09...	.15	<.04	.39	<.008	.03	<.006	<.004	E.003	.2	<.1	.2	3.0	E1
09...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Anti-mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryll-ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Mangan-ese, water, fltrd, ug/L (01056)
NOV													
25...	.22	2.6	137	<.06	122	E.04	<.8	.161	2.8	<6	E.07	42.6	.5
MAR													
03...	.27	2.7	155	<.06	126	<.04	<.8	.203	2.2	<6	E.04	43.5	.3
JUN													
17...	.28	2.4	151	<.06	118	<.04	<.8	.219	2.0	<6	<.08	41.6	.4
SEP													
09...	.29	2.3	158	<.06	118	E.02	<.8	.246	3.7	E4	E.05	40.8	.4
09...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Molyb-denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen-ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Stront-ium, water, fltrd, ug/L (01080)	Vanad-ium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	[a]2,4,5-T surrog, water, fltrd, percent recovry (99958)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)
NOV													
25...	5.0	1.10	1.9	<.2	1,050	2.5	4.4	81.4	<.009	<.02	<.02	<.006	<.006
MAR													
03...	5.3	2.43	2.3	<.2	1,100	3.0	1.3	90.8	<.009	<.02	<.02	<.006	E.004
JUN													
17...	5.3	1.25	2.0	<.2	1,080	2.1	1.3	85.2	<.009	<.02	<.02	<.006	<.006
SEP													
09...	5.2	1.56	1.8	<.2	1,070	2.0	1.4	90.8	<.009	<.02	<.02	<.006	<.006
09...	--	--	--	--	--	--	--	--	--	--	--	*<.006*	*<.006*

Date	CEAT, water, fltrd, ug/L (04038)	OIET, water, fltrd, ug/L (50355)	3-Hydroxy carbo-furan, wat flt 0.7u GF ug/L (49308)	3-Keto-carbo-furan, water, fltrd, ug/L (50295)	Aceto-chlor, water, fltrd, ug/L (49260)	Aci-fluor-fen, water, fltrd 0.7u GF ug/L (49315)	Ala-chlor, water, fltrd, ug/L (46342)	Aldi-carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt 0.7u GF ug/L (49314)	Aldi-carb, water, fltrd 0.7u GF ug/L (49312)	alpha-HCH, water, fltrd, ug/L (34253)

furanCH-0007d6]TJ0391 03Tc 0.2544326 -1.0075
ug/L(50353)
/L -1.00751 Tdrroalph,hed.fura21 Td60/t6391 -80.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chloramben methyl ester, water, fltrd, ug/L (61188)	Chlorimuron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-tri-azine, wat flt ug/L (04039)	Chlorothalonil, water, fltrd 0.7u GF ug/L (49306)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Clopyralid, water, fltrd 0.7u GF ug/L (49305)	Cyanazine, water, fltrd, ug/L (04041)	Cyclo-ate, water, fltrd, ug/L (04031)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)
NOV													
25...	<.041	<.006	<.020	<.02	<.010	<.01	<.04	<.005	<.006	<.01	<.018	<.01	<.01
MAR													
03...	<.041	<.006	<.020	<.02	<.010	<.01	<.04	<.005	<.006	<.01	<.018	<.01	<.01
JUN													
17...	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005	<.006	<.01	<.018	<.01	<.01
SEP													
09...	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005	<.006	<.01	<.018	<.01	<.01
09...	*<.041*	--	*<.020*	--	--	--	--	*<.005*	*<.006*	--	*<.018*	--	--

Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	[a]Diazinon-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Dicamba water fltrd 0.7u GF ug/L (38442)	Dichlorprop, water, fltrd 0.7u GF ug/L (49302)	Dieldrin, water, fltrd, ug/L (39381)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphenamid, water, fltrd, ug/L (04033)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Diuron, water, fltrd 0.7u GF ug/L (49300)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)
NOV													
25...	E.003	<.012	<.005	114	<.01	<.01	<.009	<.01	<.03	<.02	<.01	<.004	<.009
MAR													
03...	.003	<.012	<.005	120	<.01	<.01	<.009	<.01	<.03	<.02	<.01	<.004	<.009
JUN													
17...	<.003	<.012	<.005	125	<.01	<.01	<.009	<.01	<.03	<.02	<.01	<.004	<.009
SEP													
09...	<.003	<.012	<.005	97.8	<.01	<.01	<.009	<.01	<.03	<.02	<.01	<.004	<.009
09...	*<.003*	*<.012*	*<.005*	*93.7*	--	--	*<.009*	--	--	*<.02*	--	*<.004*	*<.009*

Date	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Flumetsulam, water, fltrd, ug/L (61694)	Fluometuron water fltrd 0.7u GF ug/L (38811)	Fonofos water, fltrd, ug/L (04095)	Imazaquin, water, fltrd, ug/L (50356)	Imazethapyr, water, fltrd, ug/L (50407)	Imidacloprid water, fltrd, ug/L (61695)	Lindane water, fltrd, ug/L (39341)
NOV													
25...	<.005	<.03	<.029	<.013	<.024	<.016	<.01	<.03	<.003	<.02	<.02	<.007	<.004
MAR													
03...	<.005	<.03	<.029	<.013	<.024	<.016	<.01	<.03	<.003	<.02	<.02	<.007	<.004
JUN													
17...	<.005	<.03	<.029	<.013	<.024	<.016	<.01	<.03	<.003	<.02	<.02	<.007	<.004
SEP													
09...	<.005	<.03	<.029	<.013	<.024	<.016	<.01	<.03	<.003	<.02	<.02	<.007	<.004
09...	*<.005*	--	*<.029*	*<.013*	*<.024*	*<.016*	--	--	*<.003*	--	--	--	*<.004*

Date	Linuron water fltrd 0.7u GF ug/L (38478)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Metalaxyl, water, fltrd, ug/L (50359)	Methiocarb, water, fltrd 0.7u GF ug/L (38501)	Methomyl, water, fltrd 0.7u GF ug/L (49296)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Metsulfuron, water, fltrd, ug/L (61697)	Molinate, water, fltrd 0.7u GF ug/L (82671)
NOV													
25...	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	<.015	E.007	<.006	<.03	<.003
MAR													
03...	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	<.015	E.006	<.006	<.03	<.003
JUN													
17...	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003
SEP													
09...	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003
09...	--	*<.035*	*<.027*	--	--	--	--	--	*<.015*	*<.013*	*<.006*	--	*<.003*

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	N-(4-Chlorophenyl)-N-'methylurea, ug/L (61692)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nicosulfuron, water, fltrd, ug/L (50364)	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	p,p-'DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Picloram, water, fltrd 0.7u GF ug/L (49291)
NOV													
25...	<.02	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011	<.02
MAR													
03...	<.02	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011	<.02
JUN													
17...	<.02	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011	<.02
SEP													
09...	<.02	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011	<.02
09...	--	*<.007*	--	--	--	--	--	*<.003*	*<.010*	*<.004*	*<.022*	*<.011*	--

Date	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfometruron, water, fltrd, ug/L (50337)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)
NOV													
25...	E.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02	<.005	<.009	<.02	<.034
MAR													
03...	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02	<.005	<.009	<.02	<.034
JUN													
17...	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02	<.005	<.009	<.02	<.034
SEP													
09...	M	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02	<.005	<.009	<.02	<.034
09...	*M*	*<.004*	*<.025*	*<.011*	*<.02*	--	--	--	--	*<.005*	--	*<.02*	*<.034*

Date	Terbacil, water, fltrd, ug/L (04032)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
NOV										
25...	<.010	<.02	<.010	<.002	<.02	<.009	4.46	56	2	31
MAR										
03...	<.010	<.02	<.010	<.002	<.02	<.009	4.75	50	.0	.00
JUN										
17...	<.010	<.02	<.010	<.002	<.02	<.009	4.59	46	2	--
SEP										
09...	<.010	<.02	<.010	<.002	<.02	<.009	4.47	62	2	--
09...	--	*<.02*	*<.010*	*<.002*	--	*<.009*	--	--	--	--

Remark codes used in this table:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

[a] -- Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

GREAT SALT LAKE, HAMLIN-SNAKE RIVER BASIN VALLEYS

10243260 LEHMAN CREEK NEAR BAKER, NV

LOCATION.--Lat 39°00'42", long 114°12'49" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec. 10, T.13 N., R.69 E., White Pine County, Hydrologic Unit 16020301, in Great Basin National Park, on left bank, 4.8 mi west of Baker.

DRAINAGE AREA.--11 mi^2.

PERIOD OF RECORD.--December 1947 to September 1955, October 1992 to September 1997, July 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,730 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 3, 1953, at site 45 ft downstream at same datum.

REMARKS.--Records fair except for estimated ice days which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80 ft^3/s, June 29, 1995, gage height, 5.01 ft; minimum daily, 0.63 ft^3/s, March 3, 1993

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 3	2115	*12	*3.96	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	2.2	1.8	e1.6	1.5	e1.1	1.5	3.0	8.8	8.0	5.0	3.1
2	3.1	2.1	1.8	e1.6	e1.2	e1.1	1.9	3.5	9.1	8.0	5.2	3.1
3	3.1	2.2	1.8	e1.5	e1.2	1.1	2.5	4.2	9.5	8.0	4.9	3.7
4	3.0	2.1	1.8	e1.5	e1.2	1.0	2.1	5.1	11	7.8	4.9	3.3
5	2.8	2.2	1.8	e1.5	e1.2	1.1	2.0	6.8	9.9	7.7	5.1	3.3
6	2.8	2.2	1.8	e1.4	e1.2	1.1	2.1	7.0	9.7	7.7	4.9	3.1
7	2.7	2.1	1.7	e1.4	e1.2	1.1	2.2	7.3	9.6	7.6	4.9	3.0
8	2.6	2.0	1.7	e1.4	e1.2	1.1	2.2	7.7	8.5	7.5	4.9	3.0
9	2.6	2.0	e1.7	e1.4	e1.2	1.1	2.1	8.0	7.9	7.4	4.7	3.0
10	2.6	2.0	e1.7	e1.5	e1.3	1.2	2.0	8.2	8.9	7.2	4.7	3.0
11	2.6	1.9	e1.7	e1.5	e1.3	1.1	1.9	8.2	8.6	7.3	4.6	3.0
12	2.6	1.9	e1.7	1.6	e1.3	1.2	1.8	8.2	8.4	7.1	4.6	3.0
13	2.5	2.0	e1.7	1.5	e1.3	1.2	1.8	8.0	8.0	7.0	4.5	2.9
14	2.5	1.9	e1.6	1.5	e1.3	1.3	1.9	7.8	7.5	7.1	4.0	2.8
15	2.5	1.9	e1.6	1.5	e1.3	1.3	1.9	7.6	7.3	7.4	4.0	2.8
16	2.4	1.9	e1.6	1.5	e1.3	1.3	1.8	7.5	7.0	7.2	3.7	2.7
17	2.3	1.9	e1.6	e1.5	1.4	1.3	1.8	7.5	7.1	6.9	3.8	2.7
18	2.4	1.9	e1.6	e1.5	1.2	1.3	1.9	7.7	6.7	6.6	4.1	2.7
19	2.3	1.9	e1.6	e1.5	1.1	1.4	1.8	8.0	6.5	6.7	4.2	2.8
20	2.3	1.9	1.8	1.5	1.0	1.4	1.7	8.1	6.2	6.7	4.1	2.9
21	2.4	1.9	1.6	1.5	1.1	1.5	1.7	8.2	6.1	6.7	4.1	2.8
22	2.1	2.1	1.6	e1.5	1.1	1.5	1.7	8.5	6.1	7.3	3.9	2.8
23	2.1	e1.8	e1.6	e1.6	1.2	1.5	1.7	8.4	5.8	6.6	4.0	2.6
24	2.1	e1.8	1.6	e1.6	1.2	1.5	1.6	8.7	6.1	6.2	3.8	2.5
25	2.1	e1.8	1.8	1.6	1.2	1.5	1.6	8.8	6.7	6.1	3.7	2.4
26	2.1	e1.8	e1.7	e1.6	1.2	1.5	1.8	8.6	6.8	5.9	3.7	2.4
27	2.1	1.9	e1.6	e1.6	1.3	1.3	2.1	8.7	7.4	5.8	3.6	2.3
28	2.1	1.9	e1.6	e1.7	e1.2	1.3	2.6	8.6	7.7	5.6	3.5	2.4
29	2.1	2.0	e1.6	1.7	e1.2	1.2	2.9	8.8	8.1	5.8	3.3	2.4
30	2.0	1.9	e1.7	1.7	---	1.2	2.9	8.6	8.2	6.2	3.3	2.4
31	2.1	---	e1.7	1.6	---	1.3	---	8.4	---	5.6	3.2	---
TOTAL	76.1	59.1	52.2	47.6	35.6	39.1	59.5	233.7	235.2	214.7	130.9	84.9
MEAN	2.45	1.97	1.68	1.54	1.23	1.26	1.98	7.54	7.84	6.93	4.22	2.83
MAX	3.1	2.2	1.8	1.7	1.5	1.5	2.9	8.8	11	8.0	5.2	3.7
MIN	2.0	1.8	1.6	1.4	1.0	1.0	1.5	3.0	5.8	5.6	3.2	2.3
AC-FT	151	117	104	94	71	78	118	464	467	426	260	168

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2004, BY WATER YEAR (WY)

MEAN	2.62	2.02	1.65	1.38	1.27	1.45	2.43	8.94	16.8	12.1	6.58	4.01
MAX	3.72	2.57	2.37	1.87	1.73	2.72	5.20	20.9	39.2	43.5	18.0	8.41
(WY)	(1996)	(1996)	(1996)	(1996)	(1996)	(1949)	(1952)	(1952)	(1995)	(1995)	(1995)	(1995)
MIN	1.58	1.43	1.13	0.82	0.74	1.04	1.31	1.85	4.19	4.90	3.65	2.09
(WY)	(1954)	(1954)	(2003)	(1954)	(1993)	(1953)	(2003)	(1953)	(1953)	(1953)	(2002)	(1953)

10243260 LEHMAN CREEK NEAR BAKER, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1948 - 2004	
ANNUAL TOTAL	1,505.36		1,268.6			
ANNUAL MEAN	4.12		3.47		5.13	
HIGHEST ANNUAL MEAN					11.0	1995
LOWEST ANNUAL MEAN					2.51	1953
HIGHEST DAILY MEAN	24	May 31	11	Jun 4	62	Jun 27, 1995
LOWEST DAILY MEAN	0.90	Jan 6	1.0	Feb 20	0.63	Mar 3, 1993
ANNUAL SEVEN-DAY MINIMUM	0.93	Jan 1	1.1	Mar 1	0.65	Feb 28, 1993
MAXIMUM PEAK FLOW			12	Jun 3	80	Jun 29, 1995
MAXIMUM PEAK STAGE			3.96	Jun 3	5.01	Jun 29, 1995
ANNUAL RUNOFF (AC-FT)	2,990		2,520		3,720	
10 PERCENT EXCEEDS	10		7.8		13	
50 PERCENT EXCEEDS	2.0		2.2		2.4	
90 PERCENT EXCEEDS	0.95		1.3		1.2	

e Estimated

CENTRAL NEVADA DESERT BASINS, SPRING-STEPTOE VALLEYS

10243700 CLEVE CREEK NEAR ELY, NV

LOCATION.--Lat 39°12'59.68", long 114°31'46.7" referenced to North American Datum of 1983, in SE ¼ SE ¼ sec. 27, T.16 N., R.66 E., White Pine County, Hydrologic Unit 16060008, on right bank, 2.3 mi downstream from North Fork, 4 mi southwest of Cleveland Ranch headquarters, and 18 mi east of Ely.

DRAINAGE AREA.--31.8 mi^2.

PERIOD OF RECORD.--June 1914 to December 1916 (published as Cleveland Creek near Osceola), October 1959 to September 1967, October 1976 to September 1981, December 1982 to September 1987, March 1990 to current year. Crest-stage partial-record station October 1967 to September 1976.

GAGE.--Water-stage recorder. Elevation of gage is 6,140 ft above National Geodetic Vertical Datum of 1929, from topographic map. October 1, 1967, to September 30, 1976, crest-stage gage at same site and datum. Prior to September 13, 1984, at site ¼ mi upstream, at different datum. Prior to April 18, 1985, at different datum. Prior to October 4, 1985, at datum 2.00 ft lower. From November 19, 1986, at site 75 ft downstream at datum, 5.2 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion above station. Practically entire flow diverted for irrigation by Cleveland Ranch below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 440 ft^3/s, May 30, 1983, gage height, unknown; minimum daily, 2.7 ft^3/s, December 22, 1990.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 7	0915	*15	*1.70				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	5.5	5.0	e5.4	e4.0	e4.8	8.8	9.7	9.3	5.8	5.1	4.9
2	5.7	5.4	5.0	e5.5	e4.1	4.8	9.1	9.7	9.2	5.8	5.3	4.9
3	5.8	5.5	4.9	e5.5	e4.1	5.0	10	11	9.2	5.8	5.0	6.3
4	5.7	5.4	4.7	e5.6	e4.1	4.9	9.6	12	9.2	5.8	5.1	5.5
5	5.8	5.4	4.9	e5.6	e4.1	4.9	9.5	13	9.2	5.7	5.1	5.3
6	5.7	5.4	4.7	e5.6	e4.1	5.1	9.8	14	9.2	5.6	5.0	5.1
7	5.6	5.4	4.8	e5.6	e4.1	5.6	9.8	14	9.2	5.6	5.0	5.0
8	5.4	5.3	4.6	5.6	e4.1	6.0	9.7	14	9.1	5.6	5.0	5.0
9	5.4	5.3	4.5	5.6	e4.1	6.4	9.6	14	9.0	5.5	5.0	5.0
10	5.4	5.1	e4.5	5.4	e4.2	6.6	9.5	14	9.1	5.5	5.2	5.0
11	5.6	5.1	e4.5	5.1	e4.3	6.6	9.5	14	8.8	5.5	4.8	5.1
12	5.7	5.1	e4.5	4.9	e4.3	6.8	9.3	14	8.6	5.4	5.0	5.1
13	5.6	5.4	e4.4	4.9	e4.3	6.8	9.4	13	8.2	5.4	5.1	5.0
14	5.6	5.3	e4.4	4.8	e4.4	7.2	9.5	13	8.1	5.4	5.1	5.0
15	5.6	5.2	e4.2	4.6	e4.5	7.5	9.5	12	8.0	5.5	5.2	5.0
16	5.6	5.3	e4.0	4.4	e4.6	7.5	9.5	12	8.0	5.6	5.4	4.9
17	5.4	5.1	e4.5	4.5	4.6	7.7	9.5	11	8.7	5.7	5.6	4.9
18	5.4	5.1	e4.8	4.7	4.6	7.9	9.5	11	7.3	5.5	5.6	4.9
19	5.5	5.1	e4.9	4.9	4.7	8.5	9.4	11	6.8	5.5	5.5	5.1
20	5.6	5.0	4.9	4.9	4.6	8.8	9.0	11	6.7	5.3	5.8	5.3
21	5.6	5.0	4.9	5.1	4.7	9.3	9.0	11	6.7	5.3	5.4	5.3
22	5.7	4.5	4.7	e5.2	4.7	9.5	8.9	11	6.6	5.4	5.2	5.3
23	5.6	4.2	4.6	e5.2	4.7	9.4	8.6	11	6.6	5.4	5.3	5.2
24	5.4	e4.8	4.7	e5.2	4.6	9.5	8.4	10	6.5	5.3	5.4	5.1
25	5.7	e4.9	5.0	e5.2	4.7	9.4	8.4	10	6.4	5.2	5.2	5.1
26	5.3	e4.9	e5.0	e5.2	4.9	9.4	8.5	9.8	6.3	5.2	5.1	5.0
27	5.2	4.9	e5.0	e5.2	4.8	9.0	8.9	9.6	6.2	5.4	5.1	5.1
28	5.2	5.3	e5.0	5.2	4.7	8.7	9.4	9.6	6.2	5.3	5.1	5.1
29	5.1	5.2	e5.1	5.1	e4.8	8.2	9.9	9.7	6.2	5.1	5.0	5.2
30	5.2	5.1	e5.2	4.6	---	8.1	9.8	9.6	5.9	5.0	5.0	5.3
31	5.4	---	e5.3	e4.1	---	8.3	---	9.4	---	5.0	4.9	---
TOTAL	171.1	154.2	147.2	158.4	128.5	228.2	279.3	358.1	234.5	169.1	160.6	154.0
MEAN	5.52	5.14	4.75	5.11	4.43	7.36	9.31	11.6	7.82	5.45	5.18	5.13
MAX	5.8	5.5	5.3	5.6	4.9	9.5	10	14	9.3	5.8	5.8	6.3
MIN	5.1	4.2	4.0	4.1	4.0	4.8	8.4	9.4	5.9	5.0	4.8	4.9
AC-FT	339	306	292	314	255	453	554	710	465	335	319	305

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2004, BY WATER YEAR (WY)

MEAN	7.27	7.20	6.76	6.49	6.80	8.42	12.2	22.0	23.0	10.5	7.92	7.27
MAX	16.8	15.3	12.9	11.5	11.8	15.4	30.3	82.9	117	30.0	21.1	16.2
(WY)	(1985)	(1985)	(1985)	(1984)	(1984)	(1984)	(1984)	(1983)	(1983)	(1983)	(1983)	(1983)
MIN	4.54	4.53	4.27	4.05	4.42	4.58	5.20	6.85	5.63	4.60	3.99	3.75
(WY)	(1993)	(1962)	(1961)	(1960)	(1960)	(1991)	(1991)	(1990)	(1992)	(1992)	(1960)	(1960)

10243700 CLEVE CREEK NEAR ELY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1914 - 2004	
ANNUAL TOTAL	2,664.5		2,343.2			
ANNUAL MEAN	7.30		6.40		10.0	
HIGHEST ANNUAL MEAN					22.2	1984
LOWEST ANNUAL MEAN					5.15	1960
HIGHEST DAILY MEAN	26	May 28	14	May 6	280	May 30, 1983
LOWEST DAILY MEAN	3.9	Feb 9	4.0	Dec 16	2.7	Dec 22, 1990
ANNUAL SEVEN-DAY MINIMUM	4.4	Dec 10	4.1	Jan 31	3.4	Dec 18, 1990
MAXIMUM PEAK FLOW			15	May 7	440	May 30, 1983
MAXIMUM PEAK STAGE			1.70	May 7	1.98	May 14, 2001
ANNUAL RUNOFF (AC-FT)	5,290		4,650		7,250	
10 PERCENT EXCEEDS	12		9.6		17	
50 PERCENT EXCEEDS	5.6		5.4		7.3	
90 PERCENT EXCEEDS	4.9		4.6		4.9	

e Estimated

10244950 STEPTOE CREEK NEAR ELY, NV

LOCATION.--Lat 39°12'05.54", long 114°41'20.98" referenced to North American Datum of 1983, in SW ¼ SW ¼ sec. 32, T.16 N., R.65 E., White Pine County, Hydrologic Unit 16060008, in Humboldt National Forest, on left bank, 0.1 mi downstream from Clear Creek, 0.8 mi upstream from Cave Creek, and 11 mi southeast of Ely.

DRAINAGE AREA.--11.1 mi^2.

PERIOD OF RECORD.--June 1966 to current year.
PRECIPITATION: July 1991 to March 1996 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 7,440 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 85 ft^3/s, July 21, 1985, gage height, 3.21 ft; minimum daily, 1.6 ft^3/s, February 20 and 21, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5.7 ft^3/s, June 17, gage height, 1.63 ft; minimum daily discharge, 1.9 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	3.6	2.8	2.6	2.0	2.1	2.5	2.6	3.8	3.7	3.1	2.5
2	3.4	3.5	2.7	2.7	2.0	2.1	2.5	2.7	4.0	3.6	2.9	2.4
3	3.4	3.6	2.7	2.7	2.0	2.0	2.5	2.7	4.1	3.5	2.8	2.6
4	3.4	3.4	2.7	2.5	2.0	2.0	2.5	3.0	4.2	3.6	2.8	2.6
5	3.3	3.4	2.6	2.6	2.0	2.0	2.5	3.7	4.2	3.4	2.8	2.6
6	3.3	3.4	2.5	2.7	2.0	2.0	2.6	4.2	4.2	3.3	2.8	2.6
7	3.3	3.4	2.6	2.6	2.0	2.0	2.7	4.3	4.2	3.3	2.7	2.5
8	3.3	3.3	2.5	2.3	2.0	2.0	2.7	4.3	4.1	3.3	2.7	2.6
9	3.3	3.3	2.4	2.2	2.0	2.0	2.7	4.6	4.0	3.2	2.7	2.5
10	3.4	3.3	2.5	2.2	2.0	2.0	2.7	4.9	3.9	3.2	2.6	2.5
11	3.4	3.3	2.5	2.2	2.0	2.0	2.7	4.9	3.7	3.2	2.6	2.6
12	3.4	3.1	2.5	2.2	2.0	2.0	2.7	4.7	3.6	3.2	2.6	2.7
13	3.4	3.2	2.5	2.2	2.0	2.1	2.7	4.1	3.6	3.2	2.6	2.7
14	3.6	3.2	2.5	2.1	2.0	2.2	2.7	3.9	3.6	3.2	2.6	2.6
15	3.6	3.2	2.5	2.1	1.9	2.1	2.7	3.8	3.6	3.2	3.0	2.6
16	3.6	3.2	2.3	2.1	1.9	2.1	2.7	3.9	3.6	3.1	2.9	2.6
17	3.6	3.2	2.3	2.1	1.9	2.1	2.7	4.2	4.0	3.1	2.8	2.5
18	3.6	3.1	2.3	2.1	1.9	2.2	2.6	4.8	4.3	3.1	2.8	2.4
19	3.6	3.1	2.3	2.1	1.9	2.2	2.5	4.9	4.1	3.1	2.8	2.6
20	3.4	3.1	2.3	2.1	1.9	2.3	2.5	4.8	4.1	3.1	2.8	2.7
21	3.4	3.0	2.3	2.0	1.9	2.4	2.5	4.6	4.1	3.0	2.8	2.7
22	3.4	2.9	2.2	2.0	1.9	2.5	2.5	4.4	4.1	3.0	2.7	2.6
23	3.4	2.8	2.3	2.0	1.9	2.5	2.5	4.3	3.9	3.1	2.7	2.4
24	3.4	2.8	2.3	2.1	1.9	2.7	2.5	4.1	3.8	3.0	2.6	2.4
25	3.4	2.9	2.3	2.0	1.9	2.6	2.5	4.2	3.8	2.9	2.6	2.4
26	3.4	2.9	2.2	2.0	2.0	2.7	2.5	4.1	3.8	3.1	2.6	2.4
27	3.5	2.7	2.2	2.1	2.1	2.6	2.5	3.8	3.8	3.2	2.6	2.5
28	3.6	2.7	2.3	2.1	2.1	2.5	2.7	4.0	3.8	3.1	2.7	2.4
29	3.6	2.7	2.4	2.0	2.1	2.5	2.7	4.1	3.8	3.1	2.7	2.4
30	3.7	2.8	2.5	2.0	---	2.4	2.7	3.9	3.8	3.0	2.6	2.4
31	3.6	---	2.6	2.0	---	2.4	---	3.8	---	3.0	2.6	---
TOTAL	107.0	94.1	75.6	68.7	57.2	69.3	78.0	126.3	117.6	99.1	84.6	76.0
MEAN	3.45	3.14	2.44	2.22	1.97	2.24	2.60	4.07	3.92	3.20	2.73	2.53
MAX	3.7	3.6	2.8	2.7	2.1	2.7	2.7	4.9	4.3	3.7	3.1	2.7
MIN	3.3	2.7	2.2	2.0	1.9	2.0	2.5	2.6	3.6	2.9	2.6	2.4
AC-FT	212	187	150	136	113	137	155	251	233	197	168	151

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2004, BY WATER YEAR (WY)

MEAN	4.90	4.44	3.93	3.62	3.57	4.01	5.81	11.6	14.5	9.89	6.57	5.31
MAX	10.7	9.74	8.49	7.02	7.09	8.85	13.9	39.7	59.4	33.5	18.0	11.9
(WY)	(1983)	(1983)	(1983)	(1984)	(1984)	(1983)	(1984)	(1983)	(1983)	(1983)	(1983)	(1983)
MIN	2.22	2.04	1.94	1.89	1.81	1.94	2.34	2.48	3.52	2.71	2.20	2.16
(WY)	(1993)	(1993)	(1993)	(1993)	(1993)	(1991)	(1991)	(1991)	(1992)	(1992)	(1992)	(1992)

10244950 STEPTOE CREEK NEAR ELY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1966 - 2004	
ANNUAL TOTAL	1,418.7		1,053.5			
ANNUAL MEAN	3.89		2.88		6.57	
HIGHEST ANNUAL MEAN					18.9	1983
LOWEST ANNUAL MEAN					2.84	1990
HIGHEST DAILY MEAN	17	May 30	4.9	May 10	73	May 29, 1983
LOWEST DAILY MEAN	2.0	Jan 7	1.9	Feb 15	1.6	Feb 20, 1993
ANNUAL SEVEN-DAY MINIMUM	2.1	Jan 1	1.9	Feb 15	1.7	Feb 20, 1993
MAXIMUM PEAK FLOW			5.7	Jun 17	85	Jul 21, 1985
MAXIMUM PEAK STAGE			1.64	May 10	3.21	May 24, 1983
ANNUAL RUNOFF (AC-FT)	2,810		2,090		4,760	
10 PERCENT EXCEEDS	6.2		3.9		13	
50 PERCENT EXCEEDS	3.4		2.7		4.5	
90 PERCENT EXCEEDS	2.2		2.0		2.6	

10245445 ILLIPAH CREEK NEAR HAMILTON, NV

LOCATION (REVISED).--Lat 39°19'03.95", long 115°23'42.21" referenced to North American Datum of 1983, in NE ¼ NW ¼ sec. 25, T.16 N., R.58 E., White Pine County, Hydrologic Unit 16060007, in Humboldt National Forest, on left bank, 4.5 mi southwest of Illipah, 6.7 mi northeast of Hamilton, and 28 mi northwest of Ely.

DRAINAGE AREA.--31.5 mi^2.

PERIOD OF RECORD.--June 1983 to September 1987, January 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,840 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to December 13, 1983 at present site, at datum 1.0 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversions above station.

EXTREMES FOR PERIOD OF RECORD.-- Maximum discharge, 446 ft^3/s, August 22, 1984, gage height, 6.05 ft; minimum daily, 0.3 ft^3/s, November 17, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5.8 ft^3/s, December 4, gage height, 2.21 ft; minimum daily discharge, 1.0 ft^3/s, December 26.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	e1.8	1.7	e1.3	1.2	1.4	1.4	1.3	1.7	1.6	1.7	1.8
2	3.0	e1.8	1.9	e1.3	e1.2	1.3	1.4	1.3	1.7	1.6	1.7	1.8
3	3.1	e1.8	1.9	e1.3	e1.2	1.3	2.0	1.3	1.7	1.6	1.7	1.9
4	3.0	e1.8	2.1	1.3	e1.2	1.3	1.6	1.3	1.7	1.6	1.6	1.9
5	3.0	e1.8	1.7	1.2	e1.2	1.3	1.3	1.3	1.7	1.6	1.6	1.8
6	3.1	e1.8	1.7	1.2	1.2	1.4	1.4	1.3	1.7	1.6	1.6	1.8
7	2.9	e1.8	1.7	e1.3	e1.2	1.4	1.3	1.4	1.7	1.6	1.6	1.8
8	2.9	1.9	1.7	e1.3	e1.2	1.4	1.3	1.5	1.7	1.6	1.6	1.8
9	2.8	1.8	e1.7	e1.3	e1.2	1.4	1.3	1.5	1.7	1.6	1.6	1.8
10	2.7	1.9	e1.6	e1.3	1.2	1.4	1.3	1.6	1.7	1.6	1.6	1.8
11	2.8	1.9	e1.5	e1.3	e1.1	1.4	1.2	1.6	1.6	1.6	1.6	1.8
12	2.7	e1.8	e1.4	e1.3	e1.1	1.4	1.2	1.7	1.6	1.7	1.6	1.8
13	2.6	1.8	e1.3	e1.3	e1.2	1.4	1.2	1.6	1.6	1.7	1.7	1.8
14	2.8	1.7	e1.2	e1.3	e1.3	1.4	1.2	1.6	1.6	1.7	1.7	1.8
15	2.8	1.8	e1.1	e1.3	1.5	1.3	1.2	1.7	1.6	1.7	1.8	1.8
16	2.5	1.7	e1.1	e1.3	1.5	1.2	1.2	1.6	1.6	1.7	1.7	1.8
17	2.4	1.7	e1.2	e1.3	1.5	1.2	1.2	1.7	1.6	1.7	1.8	1.8
18	2.2	1.7	e1.3	e1.3	1.5	1.2	1.3	1.7	1.6	1.7	1.7	1.7
19	2.2	1.7	e1.4	e1.3	1.5	1.3	1.2	1.7	1.5	1.7	1.7	1.9
20	2.2	1.7	e1.6	e1.3	1.4	1.2	1.2	1.7	1.5	1.7	1.8	1.9
21	2.2	1.7	1.9	1.4	1.5	1.3	1.2	1.7	1.5	1.7	1.8	1.8
22	2.1	e1.7	1.7	1.4	1.5	1.3	1.3	1.7	1.5	1.7	1.8	1.8
23	2.0	e1.7	1.7	e1.4	1.5	1.3	1.2	1.7	1.5	1.7	1.8	1.8
24	1.9	e1.7	1.7	e1.3	1.5	e1.3	1.2	1.7	1.5	1.7	1.8	1.8
25	1.9	e1.7	1.7	e1.3	1.5	e1.3	1.2	1.8	1.5	1.7	1.8	1.8
26	1.8	e1.7	1.0	1.2	1.5	e1.3	1.2	1.7	1.6	1.6	1.8	1.8
27	1.8	e1.7	1.2	e1.2	1.5	e1.3	1.3	1.7	1.6	1.6	1.8	1.7
28	1.8	e1.7	1.2	e1.2	1.4	e1.3	1.3	1.8	1.6	1.6	1.8	1.7
29	1.8	e1.7	1.2	e1.2	1.3	e1.3	1.3	1.7	1.6	1.6	1.8	1.8
30	1.8	1.7	1.3	e1.2	---	e1.3	1.3	1.7	1.6	1.6	1.8	1.8
31	e1.8	---	e1.3	e1.2	---	1.3	---	1.7	---	1.6	1.8	---
TOTAL	75.5	52.7	46.7	39.8	38.8	40.9	38.9	49.3	48.3	51.0	53.2	54.1
MEAN	2.44	1.76	1.51	1.28	1.34	1.32	1.30	1.59	1.61	1.65	1.72	1.80
MAX	3.1	1.9	2.1	1.4	1.5	1.4	2.0	1.8	1.7	1.7	1.8	1.9
MIN	1.8	1.7	1.0	1.2	1.1	1.2	1.2	1.3	1.5	1.6	1.6	1.7
AC-FT	150	105	93	79	77	81	77	98	96	101	106	107

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004, BY WATER YEAR (WY)

MEAN	3.17	2.89	2.79	2.55	2.56	2.68	2.68	2.70	3.18	3.17	3.26	3.28
MAX	7.70	6.12	8.25	8.13	8.61	7.59	8.28	7.81	9.40	9.36	9.59	8.38
(WY)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1983)	(1983)	(1984)	(1983)
MIN	0.79	0.60	0.30	0.39	0.41	0.67	0.69	0.60	0.63	0.48	0.51	0.63
(WY)	(1993)	(1992)	(1991)	(1993)	(1993)	(1992)	(1992)	(1992)	(1992)	(1992)	(1992)	(1991)

10245445 ILLIPAH CREEK NEAR HAMILTON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1983 - 2004	
ANNUAL TOTAL	615.39		589.2			
ANNUAL MEAN	1.69		1.61		2.94	
HIGHEST ANNUAL MEAN					8.11	1984
LOWEST ANNUAL MEAN					0.58	1992
HIGHEST DAILY MEAN	6.5	May 11	3.1	Oct 3	46	Aug 22, 1984
LOWEST DAILY MEAN	0.34	Feb 10	1.0	Dec 26	0.03	Nov 17, 1994
ANNUAL SEVEN-DAY MINIMUM	0.53	Feb 4	1.2	Feb 6	0.15	Dec 20, 1990
MAXIMUM PEAK FLOW			5.8	Dec 4	446	Aug 22, 1984
MAXIMUM PEAK STAGE			2.21	Dec 4	6.05	Aug 22, 1984
ANNUAL RUNOFF (AC-FT)	1,220		1,170		2,130	
10 PERCENT EXCEEDS	2.7		1.9		6.7	
50 PERCENT EXCEEDS	1.5		1.6		1.8	
90 PERCENT EXCEEDS	1.2		1.2		0.54	

e Estimated

10245900 PINE CREEK NEAR BELMONT, NV

LOCATION.--Lat 38°47'40", long 116°51'13" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec. 13, T.11 N., R.45 E., Nye County, Hydrologic Unit 16060005, on right bank, 2.9 mi west of Pine Creek Ranch, and 13.8 mi north of Belmont.

DRAINAGE AREA.--12.2 mi^2.

PERIOD OF RECORD.--October 1977 to current year.

GAGE.--Water-stage recorder.

REMARKS.--No estimated daily discharges. Records good. No diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 340 ft^3/s, May 29, 1983, gage height, 4.66 ft; minimum daily, 0.24 ft^3/s, August 26, 1997.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 9	2130	*12	*1.88				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.6	1.4	1.2	0.94	0.88	1.4	3.8	9.3	3.8	1.9	1.1
2	1.5	1.4	1.4	1.2	0.93	0.88	1.4	4.3	9.9	3.6	1.8	1.1
3	1.5	1.6	1.4	1.2	0.92	0.88	1.6	5.2	10	3.5	1.8	1.1
4	1.5	1.5	1.4	1.2	0.90	0.88	1.7	6.4	10	3.3	1.7	1.1
5	1.6	1.6	1.4	1.2	0.90	0.89	1.7	8.0	10	3.2	1.6	1.1
6	1.6	1.5	1.4	1.2	0.92	0.91	1.7	10	11	3.1	1.5	1.1
7	1.6	1.5	1.4	1.2	0.92	1.0	1.8	11	10	3.0	1.5	1.0
8	1.6	1.5	1.3	1.2	0.92	1.1	1.8	12	10	2.9	1.5	1.00
9	1.6	1.6	1.3	1.2	0.92	1.3	1.8	12	9.4	2.8	1.4	0.99
10	1.6	1.6	1.4	1.2	0.91	1.3	1.8	12	8.7	2.6	1.4	0.98
11	1.6	1.5	1.4	1.2	0.91	1.2	1.7	11	7.8	2.6	1.4	1.0
12	1.5	1.5	1.3	1.2	0.90	1.2	1.7	11	7.2	2.5	1.3	1.0
13	1.5	1.6	1.3	1.2	0.92	1.1	1.8	10	6.8	2.4	1.4	1.0
14	1.5	1.5	1.3	1.2	0.89	1.2	1.7	9.3	6.8	2.3	1.5	1.0
15	1.5	1.5	1.2	1.2	0.88	1.2	1.7	9.1	6.7	2.5	1.9	1.0
16	1.5	1.5	1.4	1.1	0.90	1.2	1.7	9.0	6.6	3.0	1.8	1.00
17	1.5	1.5	1.4	1.1	0.92	1.2	1.9	9.3	6.6	3.2	1.6	0.98
18	1.5	1.5	1.3	1.1	0.90	1.3	2.0	9.8	6.8	3.7	1.5	1.0
19	1.5	1.5	1.3	1.1	0.89	1.4	2.2	10	6.2	3.5	1.5	1.3
20	1.5	1.5	1.3	1.1	0.88	1.5	2.3	10	5.9	3.3	1.5	1.3

17 3.5 30-7(.5)-3706(1)-0(.)-1(4)-370694.1 0.90 1.2 1

10245900 PINE CREEK NEAR BELMONT, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1978 - 2004	
ANNUAL TOTAL	863.70		962.20			
ANNUAL MEAN	2.37		2.63		5.31	
HIGHEST ANNUAL MEAN					13.8	1983
LOWEST ANNUAL MEAN					2.23	1990
HIGHEST DAILY MEAN	23	May 30	12	May 8	290	May 29, 1983
LOWEST DAILY MEAN	0.79	Feb 8	0.88	Feb 15	0.24	Aug 26, 1997
ANNUAL SEVEN-DAY MINIMUM	0.82	Feb 3	0.88	Feb 19	0.27	Aug 25, 1997
MAXIMUM PEAK FLOW			12	May 9	340	May 29, 1983
MAXIMUM PEAK STAGE			1.88	May 9	4.66	May 29, 1983
ANNUAL RUNOFF (AC-FT)	1,710		1,910		3,850	
10 PERCENT EXCEEDS	3.6		8.2		13	
50 PERCENT EXCEEDS	1.5		1.5		1.9	
90 PERCENT EXCEEDS	0.92		0.94		1.0	

CENTRAL NEVADA DESERT BASINS, DIAMOND-MONITOR VALLEYS

10245910 MOSQUITO CREEK NEAR BELMONT, NV

LOCATION.--Lat 38°48'22", long 116°40'43" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec. 10, T.11 N., R.47 E., Nye County, Hydrologic Unit 16060005, on right bank, 17.9 mi northeast of Belmont, 27.4 mi east of Carvers on State Highway 376, and 59 mi northeast of Tonopah.

DRAINAGE AREA.--15.1 mi^2.

PERIOD OF RECORD.--October 1977 to September 1982, October 1983 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,200 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 92 ft^3/s, June 7, 1978, gage height, 3.55 ft; minimum daily, 0.01 ft^3/s, August 9-12, 2004.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 29, 1983; discharge, 119 ft^3/s, gage height, 5.00 ft, runoff from snowmelt.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4.0 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 29	0545	*1.3	*1.12				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.14	0.27	0.31	e0.29	e0.30	0.18	0.61	0.63	0.90	0.33	0.03	0.02
2	0.15	0.26	0.29	e0.29	e0.30	0.16	0.61	0.63	0.81	0.33	0.04	0.02
3	0.18	0.28	0.29	e0.29	e0.30	0.13	0.64	0.65	0.78	0.33	0.03	0.04
4	0.17	0.25	0.30	e0.29	e0.30	0.14	0.61	0.67	0.75	0.32	0.02	0.05
5	0.17	0.27	0.30	e0.29	e0.30	0.15	0.61	0.69	0.72	0.29	0.02	0.05
6	0.17	0.27	0.28	e0.29	e0.30	0.18	0.63	0.72	0.70	0.25	0.02	0.04
7	0.19	0.27	0.27	e0.29	e0.30	0.22	0.61	0.74	0.67	0.21	0.02	0.03
8	0.19	0.27	0.25	e0.29	e0.32	0.29	0.60	0.75	0.68	0.18	0.02	0.03
9	0.20	0.29	0.26	e0.29	e0.32	0.37	0.60	0.81	0.70	0.16	0.01	0.03
10	0.22	0.31	0.30	e0.29	e0.34	0.39	0.61	0.82	0.74	0.14	0.01	0.03
11	0.23	0.27	0.29	e0.29	e0.34	0.36	0.60	0.84	0.73	0.12	0.01	0.03
12	0.23	0.29	e0.29	e0.29	0.32	0.38	0.60	0.86	0.67	0.11	0.01	0.04
13	0.23	0.32	e0.28	e0.29	0.31	0.35	0.61	0.87	0.60	0.10	0.02	0.03
14	0.24	0.31	e0.28	e0.29	0.31	0.38	0.61	0.86	0.66	0.09	0.04	0.04
15	0.24	0.31	0.29	e0.29	0.33	0.42	0.59	0.87	0.83	0.09	0.06	0.05
16	0.24	0.32	0.28	e0.29	0.35	0.42	0.57	0.91	0.69	0.17	0.06	0.04
17	0.24	0.33	0.29	e0.30	0.36	0.44	0.59	0.92	0.67	0.23	0.05	0.04
18	0.22	0.32	e0.28	e0.30	0.36	0.49	0.62	0.96	0.78	0.26	0.05	0.04
19	0.22	0.32	e0.28	e0.30	0.35	0.57	0.66	1.0	0.64	0.23	0.05	0.06
20	0.22	0.32	e0.28	e0.30	0.33	0.64	0.66	1.1	0.56	0.09	0.05	0.07
21	0.22	0.32	e0.28	e0.30	0.30	0.71	0.66	1.1	0.54	0.07	0.05	0.08
22	0.23	0.24	e0.28	e0.30	0.29	0.75	0.65	1.1	0.51	0.06	0.05	0.08
23	0.23	e0.25	0.29	e0.30	0.28	0.74	0.63	1.1	0.47	0.05	0.05	0.08
24	0.24	e0.26	0.29	e0.30	0.27	0.74	0.62	1.1	0.44	0.05	0.05	0.07
25	0.24	e0.27	0.29	e0.30	0.27	0.70	0.63	1.1	0.42	0.05	0.05	0.07
26	0.25	e0.28	e0.28	e0.30	0.27	0.66	0.64	1.1	0.41	0.04	0.04	0.07
27	0.25	0.28	e0.28	e0.30	0.26	0.58	0.67	1.0	0.38	0.04	0.05	0.07
28	0.26	0.31	e0.28	e0.30	0.21	0.52	0.68	1.0	0.39	0.05	0.05	0.07
29	0.25	0.34	e0.28	e0.30	0.20	0.50	0.68	1.2	0.43	0.04	0.04	0.08
30	0.26	0.34	e0.29	e0.30	---	0.51	0.65	1.1	0.35	0.03	0.03	0.09
31	0.27	---	e0.29	e0.30	---	0.53	---	0.97	---	0.03	0.03	---
TOTAL	6.79	8.74	8.82	9.14	8.79	13.60	18.75	28.17	18.62	4.54	1.11	1.54
MEAN	0.22	0.29	0.28	0.29	0.30	0.44	0.62	0.91	0.62	0.15	0.04	0.05
MAX	0.27	0.34	0.31	0.30	0.36	0.75	0.68	1.2	0.90	0.33	0.06	0.09
MIN	0.14	0.24	0.25	0.29	0.20	0.13	0.57	0.63	0.35	0.03	0.01	0.02
AC-FT	13	17	17	18	17	27	37	56	37	9.0	2.2	3.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2004, BY WATER YEAR (WY)

MEAN	0.75	0.70	0.57	0.51	0.49	0.65	1.48	6.42	9.71	2.94	1.13	0.72
MAX	1.87	1.67	1.15	1.17	1.02	1.47	3.66	21.8	56.7	16.4	4.79	2.36
(WY)	(1996)	(1996)	(1999)	(1996)	(1988)	(1988)	(1985)	(2001)	(1995)	(1995)	(1995)	(1995)
MIN	0.22	0.21	0.18	0.16	0.09	0.27	0.49	0.91	0.62	0.15	0.04	0.05
(WY)	(2004)	(1978)	(1978)	(1991)	(1987)	(1991)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)

10245910 MOSQUITO CREEK NEAR BELMONT, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1978 - 2004	
ANNUAL TOTAL	172.85		128.61			
ANNUAL MEAN	0.47		0.35		2.18	
HIGHEST ANNUAL MEAN					7.87	1995
LOWEST ANNUAL MEAN					0.35	2004
HIGHEST DAILY MEAN	2.6	Jun 1	1.2	May 29	79	Jun 8, 1978
LOWEST DAILY MEAN	0.12	Sep 29	0.01	Aug 9	0.01	Aug 9, 2004
ANNUAL SEVEN-DAY MINIMUM	0.13	Sep 24	0.01	Aug 6	0.01	Aug 6, 2004
MAXIMUM PEAK FLOW			1.3	May 29	92	Jun 7, 1978
MAXIMUM PEAK STAGE			1.12	May 29	3.55	Jun 7, 1978
ANNUAL RUNOFF (AC-FT)	343		255		1,580	
10 PERCENT EXCEEDS	1.1		0.72		4.2	
50 PERCENT EXCEEDS	0.30		0.29		0.72	
90 PERCENT EXCEEDS	0.19		0.04		0.28	

e Estimated

10249280 KINGSTON CREEK BELOW COUGAR CANYON NEAR AUSTIN, NV

LOCATION.--Lat 39°12'45", long 117°06'45" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 35, T.16 N., R.43 E., Lander County, Hydrologic Unit 16060004, in Toiyabe National Forest, on left bank, 1.1 mi downstream from Cougar Canyon, and 19 mi southeast of Austin.

DRAINAGE AREA.--23.40 mi^2.

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,480 ft above National Geodetic Vertical Datum of 1929, from topographic map. August 22, 1975, to June 25, 1985, at site 40 ft upstream at datum 5.50 ft lower.

REMARKS.--No estimated daily discharges. Records fair. Two diversions above station. Flow affected by storage in Groves Reservoir, capacity, 190 acre-ft about 4 mi upstream since January 1970, when installation was completed by Nevada Department of Fish and Game for fishery enhancement and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 385 ft^3/s, May 28, 1983, gage height, 3.19 ft; maximum gage height, 3.86 ft, June 3, 1995; minimum daily, 1.7 ft^3/s, December 28, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7.9 ft^3/s, May 28, gage height, 1.18 ft; minimum daily discharge, 3.2 ft^3/s, October 29, November 7, 9, 10.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	3.3	3.5	3.7	3.6	3.9	4.6	5.2	6.6	6.5	6.2	4.8
2	4.0	3.4	3.6	3.7	3.6	3.9	4.5	5.1	6.5	6.4	6.1	4.8
3	4.0	3.4	3.7	3.7	3.6	3.9	4.4	5.0	6.4	6.5	6.0	4.8
4	4.0	3.3	3.7	3.6	3.7	4.1	4.3	5.2	6.4	6.5	6.0	4.8
5	4.0	3.3	3.7	3.7	3.6	4.2	4.3	5.1	6.5	6.5	5.9	4.8
6	3.9	3.3	3.7	3.8	3.6	4.1	4.3	5.3	6.6	6.4	5.9	4.7
7	3.9	3.2	3.7	3.7	3.7	4.1	4.4	5.2	6.5	6.4	6.0	4.6
8	3.9	3.3	3.7	3.7	3.7	4.1	4.5	5.3	6.5	6.4	6.0	4.5
9	3.9	3.2	3.7	3.7	3.8	4.2	4.4	5.3	6.8	6.4	5.9	4.5
10	3.9	3.2	3.7	3.7	3.8	4.2	4.5	5.3	6.8	6.3	5.8	4.5
11	3.9	3.3	3.7	3.7	3.8	4.3	4.4	5.4	6.8	6.3	5.8	4.4
12	3.9	3.4	3.8	3.7	3.8	4.4	4.3	5.3	6.8	6.3	5.8	4.4
13	3.9	3.4	3.9	3.7	3.8	4.4	4.4	5.1	6.7	6.3	6.2	4.4
14	3.8	3.4	3.9	3.7	3.8	4.3	4.2	5.2	6.7	6.3	5.9	4.5
15	3.8	3.4	3.9	3.7	3.7	4.2	4.3	5.3	6.7	6.2	6.0	4.3
16	3.7	3.4	3.9	3.7	3.7	4.3	4.6	5.4	6.7	6.4	5.9	4.2
17	3.6	3.4	3.9	3.7	3.7	4.3	4.9	5.5	6.8	6.6	5.6	4.1
18	3.5	3.4	3.8	3.7	3.9	4.3	4.8	5.6	6.8	6.6	5.5	4.3
19	3.5	3.4	3.8	3.7	3.8	4.3	4.7	5.7	6.8	6.8	5.5	4.3
20	3.5	3.4	3.8	3.7	3.9	4.4	4.6	5.9	6.8	6.7	5.5	4.3
21	3.5	3.4	3.8	3.7	3.9	4.4	4.8	6.1	6.8	6.5	5.4	4.2
22	3.5	3.6	3.8	3.7	3.9	4.3	4.9	6.0	6.9	6.4	5.4	4.1
23	3.5	3.6	3.8	3.7	3.9	4.3	4.7	6.1	6.7	6.4	5.3	4.0
24	3.5	3.5	3.9	3.7	3.9	4.4	4.6	6.3	6.6	6.4	5.3	4.0
25	3.4	3.5	3.9	3.7	3.9	4.5	4.6	6.4	6.6	6.2	5.2	4.0
26	3.4	3.5	3.7	3.7	3.9	4.6	4.8	6.5	6.6	6.2	5.3	3.9
27	3.4	3.5	3.8	3.6	3.9	4.6	4.9	6.6	6.4	6.2	5.2	3.9
28	3.3	3.5	4.0	3.5	3.8	4.6	5.1	7.1	6.5	6.1	5.2	3.9
29	3.2	3.5	3.9	3.5	3.9	4.6	5.2	7.1	6.5	6.1	5.1	4.0
30	3.3	3.5	3.9	3.6	---	4.3	5.1	7.1	6.5	6.0	5.0	4.0
31	3.3	---	3.7	3.6	---	4.3	---	7.0	---	6.0	4.8	---
TOTAL	113.9	101.9	117.3	114.0	109.6	132.8	138.1	178.7	199.3	197.3	174.7	130.0
MEAN	3.67	3.40	3.78	3.68	3.78	4.28	4.60	5.76	6.64	6.36	5.64	4.33
MAX	4.0	3.6	4.0	3.8	3.9	4.6	5.2	7.1	6.9	6.8	6.2	4.8
MIN	3.2	3.2	3.5	3.5	3.6	3.9	4.2	5.0	6.4	6.0	4.8	3.9
AC-FT	226	202	233	226	217	263	274	354	395	391	347	258

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2004, BY WATER YEAR (WY)

MEAN	6.21	5.57	5.01	4.64	4.51	5.06	7.35	16.9	21.6	13.4	9.41	7.15
MAX	12.9	12.7	10.3	9.62	8.86	11.6	45.3	106	79.7	42.4	19.6	13.6
(WY)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1998)	(1998)	(1984)	(1984)
MIN	3.17	3.14	2.85	2.64	2.75	2.96	2.99	4.37	6.09	5.36	4.24	3.76
(WY)	(1967)	(1967)	(1967)	(1967)	(1982)	(1967)	(1967)	(2003)	(2000)	(2000)	(1972)	(1992)

10249280 KINGSTON CREEK BELOW COUGAR CANYON NEAR AUSTIN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1967 - 2004	
ANNUAL TOTAL	1,662.2		1,707.6			
ANNUAL MEAN	4.55		4.67		8.91	
HIGHEST ANNUAL MEAN					29.3	1984
LOWEST ANNUAL MEAN					4.54	2003
HIGHEST DAILY MEAN	8.9	Jul 8	7.1	May 28	240	May 28, 1983
LOWEST DAILY MEAN	2.7	Jan 13	3.2	Oct 29	1.7	Dec 28, 1966
ANNUAL SEVEN-DAY MINIMUM	2.7	Jan 13	3.3	Nov 4	2.0	Dec 24, 1966
MAXIMUM PEAK FLOW			7.9	May 28	385	May 28, 1983
MAXIMUM PEAK STAGE			1.18	May 28	3.86	Jun 3, 1995
ANNUAL RUNOFF (AC-FT)	3,300		3,390		6,460	
10 PERCENT EXCEEDS	7.7		6.5		14	
50 PERCENT EXCEEDS	3.8		4.3		5.9	
90 PERCENT EXCEEDS	3.0		3.5		3.6	

CENTRAL NEVADA DESERT BASINS, NORTHERN BIG SMOKY VALLEY

10249300 SOUTH TWIN RIVER NEAR ROUND MOUNTAIN, NV

LOCATION.--Lat 38°53'15", long 117°14'40" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec. 22, T.12 N., R.42 E., Nye County, Hydrologic Unit 16060004, in Toiyabe National Forest, on right bank, 600 ft upstream from diversion, 3 mi west of State Highway 376, and 15 mi northwest of Round Mountain.

DRAINAGE AREA.--20 mi^2, approximately.

PERIOD OF RECORD.--1964 (miscellaneous site), 1965 (low-flow, partial-record site), August 1965 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,400 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 510 ft^3/s, May 29, 1983, gage height, 4.39 ft; minimum daily, 0.35 ft^3/s, August 27, 1991.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 10	0900	*12	*2.07				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.7	1.5	1.5	e1.4	1.6	4.4	7.4	7.1	3.3	1.5	0.65
2	1.1	1.7	1.6	1.6	e1.4	1.6	4.4	7.5	7.1	3.1	1.5	0.63
3	1.1	1.7	1.6	1.7	e1.4	1.6	5.3	7.9	7.1	3.0	1.4	0.67
4	1.1	1.7	1.5	e1.6	e1.4	1.7	6.5	8.8	7.1	2.8	1.3	0.66
5	1.1	1.7	1.5	e1.6	e1.4	1.7	7.0	9.5	7.1	2.6	1.2	0.63
6	1.0	1.7	1.5	e1.5	e1.5	1.7	6.8	10	6.8	2.5	1.1	0.61
7	1.0	1.7	1.6	1.5	e1.5	1.8	6.7	10	6.6	2.3	1.1	0.59
8	1.00	1.7	1.6	1.5	e1.5	1.8	6.8	11	6.7	2.2	1.0	0.58
9	0.98	1.8	1.7	1.5	e1.5	2.4	6.8	11	6.9	2.2	0.94	0.57
10	1.1	1.8	1.6	1.5	e1.5	3.6	6.6	11	7.5	2.0	0.90	0.58
11	1.1	1.8	1.6	1.5	e1.5	3.7	6.2	11	6.9	1.8	0.83	0.58
12	1.1	1.8	1.6	1.5	e1.5	3.7	5.9	11	6.5	1.8	0.78	0.59
13	1.0	1.9	1.6	1.5	1.5	3.5	5.7	10	6.1	1.6	0.77	0.61
14	1.1	1.8	1.6	1.5	1.5	3.5	5.5	10	5.8	1.4	0.78	0.65
15	1.1	1.8	e1.6	1.6	1.5	3.6	5.3	9.8	5.5	1.4	0.96	0.64
16	1.2	1.8	e1.5	1.6	1.5	3.8	5.1	9.5	5.4	1.8	1.1	0.64
17	1.2	1.9	1.5	1.6	1.5	3.8	5.5	9.3	5.4	4.2	1.2	0.64
18	1.2	1.8	1.4	1.6	1.5	3.9	5.9	9.2	5.4	6.4	1.2	0.70
19	1.2	1.8	1.4	1.6	1.5	4.0	6.5	9.2	5.1	4.6	1.1	0.88
20	1.2	1.8	1.4	1.6	1.5	4.2	6.6	9.4	4.9	3.8	1.1	0.95
21	1.3	1.8	1.4	1.6	1.4	4.5	6.7	9.5	4.7	3.3	1.1	0.97
22	1.3	1.9	1.4	1.6	1.5	5.0	6.5	9.0	4.7	2.9	1.0	1.0
23	1.3	e1.7	1.5	1.5	1.5	5.2	6.1	8.7	4.3	2.6	1.0	1.1
24	1.3	1.7	1.5	1.6	1.5	5.2	5.9	8.6	4.0	2.4	0.98	1.1
25	1.3	1.6	1.5	1.3	1.5	5.1	5.8	8.3	3.8	2.2	0.92	1.2
26	1.3	1.6	1.7	e1.3	1.6	4.9	5.9	8.0	3.7	2.0	0.92	1.3
27	1.3	1.6	e1.7	1.2	1.6	4.6	6.5	7.7	3.5	2.0	0.89	1.3
28	1.2	1.6	e1.7	e1.3	1.6	4.3	7.3	8.2	3.5	2.0	0.83	1.4
29	1.3	1.6	1.8	e1.3	1.6	4.0	7.8	7.9	3.5	1.8	0.81	1.8
30	1.5	1.6	1.5	e1.3	---	3.9	7.6	7.5	3.4	1.6	0.76	1.9
31	1.6	---	1.5	e1.3	---	3.8	---	7.2	---	1.5	0.72	---
TOTAL	36.68	52.1	48.1	46.4	43.3	107.7	185.6	283.1	166.1	79.1	31.69	26.12
MEAN	1.18	1.74	1.55	1.50	1.49	3.47	6.19	9.13	5.54	2.55	1.02	0.87
MAX	1.6	1.9	1.8	1.7	1.6	5.2	7.8	11	7.5	6.4	1.5	1.9
MIN	0.98	1.6	1.4	1.2	1.4	1.6	4.4	7.2	3.4	1.4	0.72	0.57
AC-FT	73	103	95	92	86	214	368	562	329	157	63	52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

MEAN	2.39	2.58	2.39	2.33	2.66	4.91	9.29	24.4	18.3	6.00	2.78	2.15
MAX	5.37	5.58	5.80	6.25	7.15	17.3	26.5	92.0	80.1	31.8	11.1	6.24
(WY)	(1984)	(1984)	(1984)	(1984)	(2001)	(2001)	(2001)	(1983)	(1998)	(1998)	(1983)	(1983)
MIN	1.18	1.37	1.06	0.92	1.08	1.74	2.93	4.03	4.17	1.37	0.80	0.51
(WY)	(2004)	(1991)	(1991)	(1991)	(1994)	(1991)	(2003)	(1990)	(1990)	(1966)	(2003)	(1987)

10249300 SOUTH TWIN RIVER NEAR ROUND MOUNTAIN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL TOTAL	1,082.56		1,105.99			
ANNUAL MEAN	2.97		3.02		6.70	
HIGHEST ANNUAL MEAN					20.1	1983
LOWEST ANNUAL MEAN					2.40	1990
HIGHEST DAILY MEAN	24	May 29	11	May 8	338	May 29, 1983
LOWEST DAILY MEAN	0.37	Aug 25	0.57	Sep 9	0.35	Aug 27, 1991
ANNUAL SEVEN-DAY MINIMUM	0.39	Aug 19	0.59	Sep 6	0.39	Aug 19, 2003
MAXIMUM PEAK FLOW			12	May 10	510	May 29, 1983
MAXIMUM PEAK STAGE			2.07	May 10	4.39	May 29, 1983
ANNUAL RUNOFF (AC-FT)	2,150		2,190		4,850	
10 PERCENT EXCEEDS	6.3		7.1		15	
50 PERCENT EXCEEDS	1.6		1.6		2.8	
90 PERCENT EXCEEDS	0.89		0.98		1.4	

e Estimated

NORTHERN MOJAVE, UPPER AMARGOSA RIVER BASIN

10251217 AMARGOSA RIVER AT BEATTY, NV

LOCATION.--Lat 36°54'38", long 116°45'23" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec. 07, T.12 S., R.47 E., Nye County, Hydrologic Unit 18090202, on upstream right side of culvert under U. S. Highway 95, approximately 0.5 mi north of intersection of state highway 374 and state highway 95.

DRAINAGE AREA.--458 mi^2.

PERIOD OF RECORD.--August 1993 to April 1995, January 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage 3,270 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair. See schematic diagram of Northern Mojave, Upper Amargosa River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,000 ft^3/s, March 11, 1995, gage height, 6.93 ft; minimum daily, 0.13 ft^3/s, August 13, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 240 ft^3/s, August 15, gage height, 5.96 ft; minimum daily discharge, 0.18 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.41	0.50	0.52	0.80	0.86	0.89	0.72	0.56	0.36	0.28	0.19	0.23
2	0.42	0.50	0.52	0.80	0.91	0.91	0.76	0.53	0.35	0.27	0.18	0.23
3	0.43	0.47	0.50	0.83	1.1	0.89	0.82	0.52	0.33	0.26	0.19	0.21
4	0.43	0.46	0.50	0.83	0.99	0.89	0.79	0.50	0.33	0.31	0.18	0.24
5	0.43	0.46	0.50	0.83	0.98	0.89	0.72	0.50	0.33	0.25	0.18	0.25
6	0.43	0.46	0.50	0.83	1.0	0.89	0.71	0.49	0.32	0.24	0.18	0.25
7	0.42	0.46	0.50	0.83	1.0	0.88	0.77	0.49	0.32	0.22	0.18	0.24
8	0.42	0.48	0.53	0.83	1.0	0.84	0.77	0.47	0.31	0.23	0.18	0.24
9	0.42	0.50	0.54	0.83	1.0	0.84	0.76	0.46	0.34	0.21	0.18	0.26
10	0.43	0.49	0.54	0.83	1.0	0.83	0.72	0.47	0.34	0.22	0.18	0.28
11	0.44	0.48	0.54	0.83	1.0	0.83	0.69	0.49	0.32	0.22	0.18	0.29
12	0.44	0.54	0.54	0.79	1.0	0.83	0.69	0.50	0.33	0.32	0.19	0.28
13	0.43	0.56	0.54	0.77	1.0	0.83	0.69	0.50	0.33	0.20	0.22	0.26
14	0.45	0.50	0.58	0.77	1.0	0.83	0.70	0.50	0.32	0.20	0.26	0.25
15	0.45	0.51	0.62	0.77	1.0	0.80	0.71	0.47	0.33	0.21	39	0.25
16	0.44	0.61	0.67	0.77	1.0	0.81	0.68	0.47	0.34	0.24	0.44	0.25
17	0.44	0.52	0.67	0.77	1.0	0.78	0.68	0.47	0.33	0.23	0.29	0.24
18	0.44	0.50	0.67	0.77	1.0	0.78	0.68	0.46	0.32	0.21	0.29	0.24
19	0.45	0.50	0.67	0.78	1.0	0.77	0.67	0.44	0.30	0.20	0.29	0.25
20	0.45	0.50	0.62	0.77	1.0	0.77	0.67	0.44	0.30	0.18	0.27	0.27
21	0.45	0.52	0.62	0.80	1.0	0.75	0.65	0.44	0.30	0.18	0.26	0.27
22	0.44	0.54	0.62	0.83	1.0	0.73	0.64	0.43	0.30	0.18	0.26	0.27
23	0.44	0.54	0.65	0.83	1.1	0.72	0.64	0.43	0.30	0.18	0.27	0.26
24	0.44	0.54	0.67	0.83	1.0	0.72	0.63	0.42	0.31	0.19	0.29	0.26
25	0.44	0.54	0.73	0.83	1.0	0.72	0.60	0.42	0.30	0.20	0.26	0.25
26	0.45	0.52	0.76	0.83	1.6	0.72	0.58	0.40	0.29	0.20	0.26	0.24
27	0.45	0.50	0.67	0.83	8.6	0.77	0.58	0.39	0.28	0.20	0.22	0.24
28	0.45	0.51	0.69	0.83	2.9	0.77	0.60	0.40	0.28	0.19	0.24	0.24
29	0.46	0.52	0.75	0.83	1.4	0.76	0.58	0.39	0.28	0.19	0.24	0.26
30	0.48	0.51	0.77	0.83	---	0.76	0.57	0.38	0.28	0.18	0.24	0.27
31	0.49	---	0.77	0.86	---	0.72	---	0.37	---	0.18	0.24	---
TOTAL	13.66	15.24	18.97	25.16	39.44	24.92	20.47	14.20	9.47	6.77	46.03	7.57
MEAN	0.44	0.51	0.61	0.81	1.36	0.80	0.68	0.46	0.32	0.22	1.48	0.25
MAX	0.49	0.61	0.77	0.86	8.6	0.91	0.82	0.56	0.36	0.32	39	0.29
MIN	0.41	0.46	0.50	0.77	0.86	0.72	0.57	0.37	0.28	0.18	0.18	0.21
AC-FT	27	30	38	50	78	49	41	28	19	13	91	15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	0.48	0.57	0.74	1.01	1.31	1.92	0.86	0.65	0.44	0.48	0.47	0.39
MAX	0.83	0.72	1.05	2.34	4.10	9.78	1.08	0.93	0.74	1.34	1.48	0.62
(WY)	(1999)	(1999)	(1995)	(1995)	(1998)	(1995)	(1998)	(1998)	(1998)	(1999)	(2004)	(1999)
MIN	0.32	0.41	0.55	0.67	0.47	0.73	0.68	0.46	0.27	0.20	0.17	0.23
(WY)	(1997)	(2003)	(2003)	(1997)	(1995)	(1999)	(2004)	(1996)	(1996)	(1996)	(1996)	(1996)

10251217 AMARGOSA RIVER AT BEATTY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	247.66		241.90			
ANNUAL MEAN	0.68		0.66		0.72	
HIGHEST ANNUAL MEAN					0.98	1998
LOWEST ANNUAL MEAN					0.49	1997
HIGHEST DAILY MEAN	16	Mar 16	39	Aug 15	231	Mar 11, 1995
LOWEST DAILY MEAN	0.34	Jul 15	0.18	Jul 20	0.13	Aug 13, 1997
ANNUAL SEVEN-DAY MINIMUM	0.35	Jul 11	0.18	Aug 4	0.14	Aug 23, 1997
MAXIMUM PEAK FLOW			240	Aug 15	1,000	Mar 11, 1995
MAXIMUM PEAK STAGE			5.96	Aug 15	6.93	Mar 11, 1995
ANNUAL RUNOFF (AC-FT)	491		480		521	
10 PERCENT EXCEEDS	0.95		0.87		0.99	
50 PERCENT EXCEEDS	0.54		0.50		0.61	
90 PERCENT EXCEEDS	0.42		0.23		0.31	

NORTHERN MOJAVE, UPPER AMARGOSA RIVER BASIN

10251300 AMARGOSA RIVER AT TECOPA, CA

LOCATION.--Lat 35°50'55", long 116°13'45" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec. 09, T.20 N., R.07 E., Inyo County, Hydrologic Unit 18090202, on right bank, 20 ft upstream from Old Spanish Trail Road, and 0.2 mi west of Tecopa.

DRAINAGE AREA.--3,090 mi^2 much of which is noncontributing.

PERIOD OF RECORD.--October 1961 to August 1983, October 1991 to September 1995, 1998 miscellaneous discharge, January 1999 to current year.

GAGE.--Water-stage recorder and culvert control. Elevation of gage is 1,310 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 16, 1991, at datum 16.52 ft higher.

REMARKS.--Records poor. City of Tecopa pumps water for municipal use upstream. See schematic diagram of Northern Mojave, Upper Amargosa River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,600 ft^3/s, August 19, 1983, determined from culvert computations and flow over road, gage height, 16.00 ft, datum then in use; no flow some days some years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
December 25	2130	*92	*6.11	March 4	0815	35	5.53
February 26	0959	44	5.71	August 15	2230	36	5.69
March 2	1159	69	5.94	September 13	1930	22	5.58

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.27	0.06	e0.75	e1.0	0.90	5.9	0.47	0.12	0.11	0.03	0.05	0.14
2	0.23	0.06	e0.75	e1.0	0.82	36	0.63	0.13	0.10	0.04	0.05	0.12
3	0.25	0.06	0.84	e1.0	1.4	25	0.68	0.14	0.10	0.06	0.06	0.11
4	0.21	0.09	0.85	e1.0	1.3	27	0.76	0.13	0.08	0.04	0.06	0.11
5	0.23	0.14	0.87	e1.0	1.1	16	0.69	0.09	0.10	0.03	0.06	0.10
6	0.27	0.19	0.83	e1.1	0.91	9.5	0.54	0.08	0.09	0.03	0.07	0.10
7	0.27	0.23	0.74	1.1	0.85	7.0	0.48	0.09	0.08	0.04	0.08	0.10
8	e0.25	0.25	0.75	1.1	0.74	5.5	0.42	0.10	0.08	0.03	0.09	0.09
9	e0.25	0.29	0.55	1.1	0.72	4.8	0.47	0.10	0.10	0.04	0.09	0.09
10	e0.25	0.33	0.65	1.2	0.70	2.7	0.46	0.11	0.12	0.05	0.09	0.09
11	e0.25	0.31	0.85	1.2	0.61	1.5	0.35	0.12	0.12	0.06	0.10	0.09
12	e0.25	1.2	0.79	1.2	0.55	1.0	0.35	0.13	0.08	0.06	0.09	0.11
13	e0.25	2.7	0.82	1.2	0.54	1.1	0.35	0.15	0.08	0.05	0.11	5.4
14	e0.25	0.87	0.83	1.2	0.69	0.97	0.30	0.16	0.08	0.06	0.13	11
15	e0.20	0.73	1.1	1.2	0.74	1.0	0.30	0.17	0.08	0.06	2.8	4.2
16	e0.20	1.3	0.87	1.1	0.78	0.89	0.29	0.15	0.08	0.07	3.7	0.65
17	e0.20	0.89	0.84	1.1	0.81	0.84	0.31	0.13	0.10	0.07	0.17	0.07
18	e0.20	0.72	1.1	1.1	1.8	0.89	0.36	0.12	0.11	0.07	2.6	0.07
19	e0.20	0.84	0.97	1.2	4.1	0.95	0.41	0.11	0.12	0.06	4.8	0.06
20	e0.20	0.93	1.2	1.1	2.6	0.95	0.44	0.12	0.12	0.05	1.7	0.07
21	e0.15	1.1	1.2	1.1	3.7	0.84	0.44	0.12	0.05	0.06	1.2	0.07
22	e0.15	0.77	1.2	1.0	4.5	0.86	0.40	0.12	0.03	0.06	0.94	0.08
23	e0.15	e0.70	1.3	0.86	28	0.84	0.26	0.10	0.02	0.06	0.13	0.08
24	e0.15	e0.70	1.5	0.90	8.7	0.74	0.22	0.12	0.02	0.05	0.57	0.08
25	e0.15	e0.70	15	0.94	6.4	0.75	0.23	0.11	0.02	0.05	1.1	0.09
26	e0.10	e0.70	17	0.79	20	0.67	0.22	0.13	0.02	0.05	0.45	0.08
27	e0.10	e0.70	3.2	0.84	8.7	0.69	0.18	0.15	0.03	0.05	0.19	0.08
28	e0.10	e0.70	1.5	0.97	7.8	0.57	0.17	0.14	0.04	0.06	0.22	0.08
29	e0.10	e0.70	1.0	0.93	7.2	0.55	0.14	0.12	0.03	0.05	0.29	0.08
30	e0.10	e0.70	e1.0	0.98	---	0.55	0.12	0.11	0.03	0.05	0.33	0.07
31	e0.10	---	e1.0	1.0	---	0.55	---	0.13	---	0.05	0.20	---
TOTAL	6.03	19.66	61.85	32.51	117.66	157.10	11.44	3.80	2.22	1.59	22.52	23.56
MEAN	0.19	0.66	2.00	1.05	4.06	5.07	0.38	0.12	0.07	0.05	0.73	0.79
MAX	0.27	2.7	17	1.2	28	36	0.76	0.17	0.12	0.07	4.8	11
MIN	0.10	0.06	0.55	0.79	0.54	0.55	0.12	0.08	0.02	0.03	0.05	0.06
AC-FT	12	39	123	64	233	312	23	7.5	4.4	3.2	45	47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2004, BY WATER YEAR (WY)

MEAN	1.41	0.87	3.94	6.16	11.5	6.35	1.82	0.44	0.14	0.55	6.09	3.95
MAX	39.1	11.4	65.3	56.2	95.6	54.2	16.2	3.19	2.55	3.52	103	93.1
(WY)	(1977)	(1966)	(1966)	(1995)	(1993)	(1983)	(2003)	(1977)	(1969)	(1965)	(1983)	(1976)
MIN	0.00	0.01	0.39	0.70	0.69	0.36	0.07	0.02	0.00	0.00	0.00	0.00
(WY)	(1972)	(1993)	(1994)	(1994)	(1979)	(1994)	(1994)	(1993)	(1966)	(1963)	(1962)	(1964)

10251300 AMARGOSA RIVER AT TECOPA, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1962 - 2004	
ANNUAL TOTAL	1,944.55		459.94			
ANNUAL MEAN	5.33		1.26		3.62	
HIGHEST ANNUAL MEAN					14.9	1983
LOWEST ANNUAL MEAN					0.22	1994
HIGHEST DAILY MEAN	490	Aug 20	36	Mar 2	1,500	Feb 26, 1969
LOWEST DAILY MEAN	0.05	May 24	0.02	Jun 23	0.00	Jul 23, 1962
ANNUAL SEVEN-DAY MINIMUM	0.05	May 23	0.03	Jun 22	0.00	Aug 1, 1962
MAXIMUM PEAK FLOW			92	Dec 25	10,600	Aug 19, 1983
MAXIMUM PEAK STAGE			6.11	Dec 25	16.00	Aug 19, 1983
ANNUAL RUNOFF (AC-FT)	3,860		912		2,630	
10 PERCENT EXCEEDS	5.0		1.5		2.4	
50 PERCENT EXCEEDS	0.45		0.27		0.24	
90 PERCENT EXCEEDS	0.09		0.06		0.00	

e Estimated

10288500 WALKER LAKE NEAR HAWTHORNE, NV

LOCATION.--Lat 38°40'36", long 118°46'16" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 27, T.10 N., R.29 E., Mineral County, Hydrologic Unit 16050304, 14.5 mi northwest of Hawthorne.

DRAINAGE AREA.--4,050 mi^2, approximately.

PERIOD OF RECORD.--August 1928 to current year. Occasional readings prior to August 1928.

GAGE.--Nonrecording gage. Datum of gage is above National Geodetic Vertical Datum of 1929 (U.S. Coast and Geodetic Survey bench mark at U.S. Army Depot). Prior to December 6, 1978, at site 5.5 mi northwest of Hawthorne, at same datum.

REMARKS.--Elevations determined from reference points referred to U.S.C.G.S. bench mark. Elevations are given to the nearest 0.1 ft and contents to four significant figures in order to reflect trends of change. Any single observation, however, may be affected by wind and seiche movements of the lake surface. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed 6,955,000 acre-ft, March 13, 1928, elevation 4,051.8 ft, U.S. Bureau of Indian Affairs; minimum observed 1,814,000 acre-ft, August 30, 2004, elevation 3,936.2 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--An elevation of 4,078.0 ft, adjustment of 1912, was observed September 27, 1908, by U.S. Geological Survey (contents 8,622,000 acre-ft, table now in use). An elevation of about 4,083 ft for 1882 is estimated by Rush (U.S. Geological Survey Hydrologic Investigations Atlas HA-415, 1970), on the basis of bathymetric data.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 1,898,000 acre-ft, October 30, 2003 elevation 3,938.8 ft; minimum observed, 1,814,000 acre-ft, August 30, 2004, elevation 3,936.2 ft.

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND TOTAL CONTENTS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30	3,939.2	1,911,000	--
October 31	3,938.8	1,898,000	-13,000
November 30	3,938.3	1,882,000	-16,000
December 31	3,938.0	1,872,000	-10,000
CALENDAR YEAR 2003	--	--	-134,000
January 31	3,937.9	1,869,000	-3,000
February 29	3,938.0	1,872,000	+3,000
March 31	3,937.9	1,869,000	-3,000
April 30	3,937.7	1,862,000	-7,000
May 31	3,937.3	1,850,000	-12,000
June 30	3,936.9	1,837,000	-13,000
July 31	3,936.4	1,821,000	-16,000
August 31	3,936.1	1,811,000	-10,000
September 30	3,935.2	1,782,000	-29,000
WATER YEAR 2004	--	--	-129,000

NOTE.--Monthend elevations are interpolated from readings made during the year.

WALKER RIVER BASIN, EAST WALKER RIVER BASIN

10290300 UPPER TWIN LAKE NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°09'15", long 119°20'58" referenced to North American Datum of 1927, Mono County, Hydrologic Unit 16050301, in Toiyabe National Forest, at outlet of upper lake dam on Robinson Creek, and 10 mi southwest of Bridgeport.

DRAINAGE AREA.--29.5 mi^2.

PERIOD OF RECORD.--December 1961 to February 1964, September 1964 to current year.

GAGE.--Non-recording gage. Datum of gage is 7,212.86 ft above NGVD of 1929 (project datum of U.S. Indian Irrigation Service).

REMARKS.--Contents regulated by dam outlet. Figures given herein represent usable contents. Usable contents, 2,070 acre-ft between elevations 7,200 ft, natural rim, and 7,207 ft, spillway crest. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 2,990 acre-ft, July 7, 1983, elevation, 7,209.85 ft; minimum observed, 30 acre-ft, November 1, 1990, elevation, 7,200.11 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--No usable contents observed October 17, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 2,580 acre-ft, June 3, elevation, 7,208.59 ft; minimum observed, 1,150 acre-ft, September 14, elevation, 7,204.05 ft.

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND TOTAL CONTENTS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30	7,204.77	1,370	--
October 31	7,205.06	1,460	+90
November 30	7,205.58	1,620	+160
December 31	7,207.27	2,160	+540
CALENDAR YEAR 2003	--	--	-30
January 31	7,207.04	2,080	-80
February 29	7,207.10	2,100	+20
March 31	7,207.64	2,270	+170
April 30	7,208.30	2,490	+220
May 31	7,208.56	2,570	+80
June 30	7,208.15	2,440	-130
July 31	7,207.61	2,260	-180
August 31	7,204.94	1,420	-840
September 30	7,204.40	1,250	-170
WATER YEAR 2004	--	--	-120

NOTE.--Monthend elevations are interpolated from readings made during the year.

10290400 LOWER TWIN LAKE NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°10'05", long 119°19'33" referenced to North American Datum of 1927, Mono County, Hydrologic Unit 16050301, in Toiyabe National Forest, at outlet of lower lake dam on Robinson Creek, and 8 mi southwest of Bridgeport.

DRAINAGE AREA.--38.9 mi^2.

PERIOD OF RECORD.--December 1961 to current year.

GAGE.--Non-recording gage. Datum of gage is 7,205.45 ft above NGVD of 1929 (project datum of U.S. Indian Irrigation Service).

REMARKS.--Contents regulated by dam at outlet and by Upper Twin Lake. Figures given herein represent usable contents. Usable contents, 4,010 acre-ft between elevations 7,190 ft, natural rim, and 7,200 ft, spillway crest. One transarea diversion out of Tamarack Creek into Summers Creek. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 5,560 acre-ft, June 19, 1983, elevation, 7,203.58 ft; no contents, November 17, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed 4,830 acre-ft, June 3, elevation, 7,201.93 ft; minimum observed, 2,680 acre-ft, October 1, elevation 7,196.71 ft.

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND TOTAL CONTENTS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30	7,196.72	2,690	--
October 31	7,196.80	2,720	+30
November 30	7,197.51	3,000	+280
December 31	7,199.36	3,750	+750
CALENDAR YEAR 2003	--	--	-400
January 31	7,200.25	4,120	+370
February 29	7,200.62	4,270	+150
March 31	7,200.85	4,370	+100
April 30	7,201.53	4,660	+290
May 31	7,201.90	4,820	+160
June 30	7,201.66	4,710	-110
July 31	7,200.68	4,300	-410
August 31	7,196.92	2,770	-1,530
September 30	7,197.07	2,830	+60
WATER YEAR 2004	--	--	+140

NOTE.--Monthend elevations are interpolated from readings made during the year.

WALKER RIVER BASIN, EAST WALKER RIVER BASIN

10290500 ROBINSON CREEK AT TWIN LAKES OUTLET NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°10'20", long 119°19'25" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 28, T.04 N., R.24 E., Mono County, Hydrologic Unit 16050301, on left bank, 0.2 mi downstream from Lower Twin Lake, and 8 mi southwest of Bridgeport.

DRAINAGE AREA.--39.1 mi^2.

PERIOD OF RECORD.--October 1953 to September 1975, May 1992 to September 1994 (irrigation season only), October 1994 to current year.

REVISIONS.--WSP 1927: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,050 ft. above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Upper and Lower Twin Lakes. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,170 ft^3/s, January 3, 1997, gage height, 5.44 ft; no flow many days, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 183 ft^3/s, June 7, 8, gage height, 2.96 ft; minimum daily discharge, 1.9 ft^3/s, December 17, 18, 19, 20, 21.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	6.0	3.2	3.7	16	24	43	67	141	115	60	34
2	12	6.0	3.1	3.7	16	24	43	72	142	108	73	34
3	12	6.0	3.0	3.6	22	24	43	80	148	103	74	31
4	12	6.0	3.0	3.4	21	23	43	92	158	101	79	26
5	12	6.0	3.0	3.4	20	22	44	108	167	100	84	24
6	12	6.0	3.0	3.2	19	21	46	123	174	102	88	24
7	12	6.0	2.8	3.2	19	21	47	133	179	105	88	20
8	12	6.0	2.7	3.2	18	21	49	133	179	105	88	19
9	11	6.3	2.7	3.2	17	20	50	129	172	107	87	19
10	8.2	6.2	2.6	5.3	17	20	51	128	157	106	86	18
11	7.2	6.4	2.6	7.3	17	20	53	124	141	103	85	17
12	6.7	6.4	e2.6	9.1	16	20	54	118	129	97	86	16
13	6.6	6.2	e2.5	11	16	20	56	111	124	92	86	15
14	6.2	5.8	e2.3	12	15	21	56	105	128	89	83	14
15	5.4	5.7	e2.2	13	15	21	56	102	140	87	67	14
16	5.1	5.7	e2.0	14	15	22	56	100	153	86	55	14
17	5.0	5.7	e1.9	14	19	23	54	101	160	86	55	13
18	4.8	5.7	e1.9	15	24	24	52	103	164	87	60	10
19	4.6	5.5	e1.9	15	23	24	50	104	164	86	61	9.4
20	4.6	4.8	e1.9	16	23	25	48	106	159	83	60	8.6
21	4.6	4.3	e1.9	16	23	27	48	106	153	82	61	7.5
22	4.6	4.0	e2.0	16	23	29	42	105	149	81	60	6.3
23	4.5	4.0	e2.0	16	23	33	40	103	146	80	54	6.0
24	4.3	3.9	e2.0	16	22	37	39	101	146	77	53	6.1
25	4.1	3.7	e2.1	16	22	41	39	101	146	73	47	5.8
26	4.0	3.6	e2.1	16	29	44	41	102	145	70	40	5.7
27	4.0	3.5	e4.7	15	28	43	44	104	143	69	36	5.7
28	3.8	3.5	4.0	14	26	43	49	117	139	73	36	5.5
29	3.7	3.3	4.0	15	25	43	55	138	131	74	35	5.4
30	5.9	3.2	4.0	12	---	43	61	147	123	67	34	7.0
31	7.6	---	4.0	17	---	43	---	143	---	63	34	---
TOTAL	222.5	155.4	83.7	331.3	589	866	1,452	3,406	4,500	2,757	1,995	441.0
MEAN	7.18	5.18	2.70	10.7	20.3	27.9	48.4	110	150	88.9	64.4	14.7
MAX	12	6.4	4.7	17	29	44	61	147	179	115	88	34
MIN	3.7	3.2	1.9	3.2	15	20	39	67	123	63	34	5.4
AC-FT	441	308	166	657	1,170	1,720	2,880	6,760	8,930	5,470	3,960	875

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2004, BY WATER YEAR (WY)

MEAN	20.5	9.01	7.43	16.3	16.8	17.7	45.3	108	189	157	93.6	47.5
MAX	42.4	30.9	36.1	166	63.4	44.8	79.4	187	349	400	199	89.0
(WY)	(1999)	(1999)	(1997)	(1997)	(1963)	(1997)	(1959)	(1997)	(1969)	(1995)	(1995)	(1974)
MIN	7.00	0.67	0.00	0.00	0.00	0.00	22.3	59.1	68.2	62.0	35.1	12.6
(WY)	(1995)	(1958)	(1954)	(1954)	(1954)	(1955)	(1975)	(1955)	(1992)	(1992)	(1992)	(2002)

10290500 ROBINSON CREEK AT TWIN LAKES OUTLET NEAR BRIDGEPORT, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1954 - 2004	
ANNUAL TOTAL	18,422.6		16,798.9			
ANNUAL MEAN	50.5		45.9		62.2	
HIGHEST ANNUAL MEAN					100	1995
LOWEST ANNUAL MEAN					33.8	1961
HIGHEST DAILY MEAN	329	Jun 1	179	Jun 7	998	Jan 3, 1997
LOWEST DAILY MEAN	1.9	Dec 17	1.9	Dec 17	0.00	Nov 3, 1953
ANNUAL SEVEN-DAY MINIMUM	1.9	Dec 16	1.9	Dec 16	0.00	Nov 3, 1953
MAXIMUM PEAK FLOW			183	Jun 7	1,170	Jan 3, 1997
MAXIMUM PEAK STAGE			2.96	Jun 7	5.44	Jan 3, 1997
ANNUAL RUNOFF (AC-FT)	36,540		33,320		45,090	
10 PERCENT EXCEEDS	117		124		159	
50 PERCENT EXCEEDS	16		23		28	
90 PERCENT EXCEEDS	4.0		3.6		0.70	

e Estimated

WALKER RIVER BASIN, EAST WALKER RIVER BASIN

10291500 BUCKEYE CREEK NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°14'20", long 119°19'30" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 04, T.04 N., R.24 E., Mono County, Hydrologic Unit 16050301, in Toiyabe National Forest, on right bank at Buckeye Hot Springs, 0.6 mi downstream from Eagle Creek, and about 5.5 mi southwest of Bridgeport.

PERIOD OF RECORD.--November 1910 to September 1914 (fragmentary), October 1953 to September 1979, October 1995 to current year.

REVISIONS.--WSP 1927: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,900 ft above National Geodetic Vertical Datum of 1929, from topographic map. November 1910 to September 1914, non-recording gage at site 0.5 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. No regulation or diversion above station. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,750 ft^3/s, January 02, 1997; gage height, 7.49 ft.; minimum daily, 4.5 ft^3/s, January 12, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 21, 1911, reached an observed stage of 4.8 ft., discharge not determined, site and datum then in use.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
March 23	0115	101	2.31	May 28	1145	*233	*2.83
May 5	0100	204	2.74	July 6	0100	118	2.40

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	14	13	e18	16	20	64	111	147	82	29	15
2	14	14	13	e18	16	17	55	126	155	81	28	15
3	14	14	13	e18	e15	16	53	152	167	77	27	16
4	14	e14	13	e18	e15	15	60	168	168	78	26	16
5	14	e14	22	e18	e15	16	79	174	165	81	25	16
6	14	14	26	e18	e15	17	83	159	170	96	23	16
7	14	14	20	e18	e15	18	74	139	173	84	23	15
8	13	14	16	e18	e15	20	74	130	153	81	22	15
9	13	e14	e16	e18	e15	23	77	135	131	77	21	14
10	14	15	e17	18	e15	29	83	134	113	73	20	14
11	14	e15	18	17	e15	29	82	109	113	67	20	13
12	13	e15	e18	16	e16	32	86	102	117	63	20	13
13	14	15	e18	16	e18	34	91	106	129	62	23	13
14	13	15	19	16	e20	38	78	114	146	61	26	13
15	13	15	e19	17	23	47	73	120	148	56	24	14
16	13	14	e19	19	25	50	68	123	148	56	24	14
17	13	15	e18	20	24	50	62	127	141	55	22	14
18	13	15	e18	18	20	57	57	125	137	55	21	14
19	13	15	e18	17	19	68	54	117	129	53	22	15
20	13	15	19	17	18	71	52	119	124	50	22	16
21	13	14	17	17	18	80	50	116	120	47	22	16
22	13	12	e17	e17	17	86	50	113	117	47	21	15
23	13	e13	18	e18	17	90	50	115	122	45	20	15
24	13	e14	21	e18	16	82	55	115	121	41	20	14
25	13	15	20	18	17	73	67	118	115	40	19	14
26	13	15	19	e17	15	63	84	114	113	38	18	14
27	13	e15	e19	17	17	56	105	129	108	36	19	13
28	13	15	e19	16	19	55	119	193	101	34	18	13
29	13	15	e19	16	20	59	112	145	93	32	17	14
30	12	14	e19	16	---	66	103	134	87	31	16	14
31	12	---	e18	16	---	66	---	145	---	30	16	---
TOTAL	411	432	559	539	506	1,443	2,200	4,027	3,971	1,809	674	433
MEAN	13.3	14.4	18.0	17.4	17.4	46.5	73.3	130	132	58.4	21.7	14.4
MAX	14	15	26	20	25	90	119	193	173	96	29	16
MIN	12	12	13	16	15	15	50	102	87	30	16	13
AC-FT	815	857	1,110	1,070	1,000	2,860	4,360	7,990	7,880	3,590	1,340	859

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2004, BY WATER YEAR (WY)

MEAN	22.2	21.6	21.5	23.6	21.2	26.3	52.0	140	200	123	49.4	28.3
MAX	41.4	44.4	52.2	158	55.8	70.6	115	322	432	399	115	65.6
(WY)	(1957)	(1974)	(1965)	(1997)	(1997)	(1997)	(1997)	(1969)	(1911)	(1911)	(1967)	(1911)
MIN	7.43	11.6	10.2	10.2	10.2	11.7	22.3	32.2	43.4	18.8	9.76	7.55
(WY)	(1978)	(1962)	(1978)	(1960)	(1977)	(1977)	(1967)	(1977)	(1976)	(1977)	(1977)	(1977)

10291500 BUCKEYE CREEK NEAR BRIDGEPORT, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1911 - 2004	
ANNUAL TOTAL	17,019		17,004			
ANNUAL MEAN	46.6		46.5		59.5	
HIGHEST ANNUAL MEAN					114	1969
LOWEST ANNUAL MEAN					19.5	1977
HIGHEST DAILY MEAN	298	May 30	193	May 28	1,050	Jan 2, 1997
LOWEST DAILY MEAN	12	Jan 11	12	Oct 30	4.5	Jan 12, 1963
ANNUAL SEVEN-DAY MINIMUM	13	Jan 8	13	Oct 25	5.5	Jan 11, 1963
MAXIMUM PEAK FLOW			233	May 28	2,750	Jan 2, 1997
MAXIMUM PEAK STAGE			2.83	May 28	7.49	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	33,760		33,730		43,120	
10 PERCENT EXCEEDS	120		120		162	
50 PERCENT EXCEEDS	20		20		27	
90 PERCENT EXCEEDS	14		14		13	

e Estimated

WALKER RIVER BASIN, EAST WALKER RIVER BASIN

10292500 BRIDGEPORT RESERVOIR NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°19'30", long 119°12'40" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec. 34, T.06 N., R.25 E., Mono County, Hydrologic Unit 16050301, in Toiyabe National Forest, at Bridgeport Dam on East Walker River, and 4.5 mi north of Bridgeport.

DRAINAGE AREA.--358 mi^2.

PERIOD OF RECORD.--March 1926 to current year. Month end contents only for some periods, published in WSP 1314.

REVISED RECORDS.--WSP 1180: 1949. WSP 1927: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,466.44 ft above National Geodetic Vertical Datum of 1929 (project datum).

REMARKS.--Reservoir is formed by earthfill, rock-faced dam. Storage began December 8, 1923. Dam completed in November 1924. Capacity, 42,460 acre-ft between elevations 6,415 ft, approximate elevation of bottom of reservoir, and 6,461 ft Crest of spillway is at elevation 6,460.75 ft; however, there are four siphons that become operative prior to reaching this spillway. Elevation of sill of outlet gate, 6,412 ft. No dead storage. Figures given herein represent total contents. Water is used for irrigation by Walker River Irrigation District. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 44,880 acre-ft, June 16, 1974, elevation 6,460.78 ft; no usable contents at times in water years 1929, 1930, 1960, 1977, 1988, and 1989.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 24,790 acre-ft, March 30, gage height, 53.06 ft; minimum contents, 2,230 acre-ft, September 29, gage height, 33.46 ft.

Capacity table, (elevation, in feet, and contents, in acre-feet)

6,425	334	6,440	6,240	6,455	29,160
6,430	1,130	6,445	11,380	6,460	42,460
6,435	2,920	6,450	18,780	6,461	45,490

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9,980	7,440	9,330	12,340	15,340	19,170	24,660	21,460	20,720	19,940	13,090	7,140
2	9,890	7,460	9,400	12,430	15,470	19,330	24,640	21,400	20,780	19,790	12,790	6,810
3	9,770	7,480	9,460	e12,500	15,610	19,520	24,600	21,420	20,860	19,610	12,530	6,550
4	9,670	7,520	9,540	e12,580	15,710	19,640	24,620	21,440	20,930	19,480	12,240	6,320
5	9,570	7,560	9,720	e12,660	15,760	19,830	24,580	21,460	21,030	19,390	11,900	6,030
6	9,470	7,600	9,820	e12,740	15,850	20,030	24,490	21,520	21,130	19,310	11,600	5,720
7	9,390	7,630	10,010	e12,820	15,960	20,270	24,410	21,600	21,130	19,170	11,330	5,430
8	9,290	7,730	10,080	e12,900	16,030	20,530	24,220	21,560	21,150	18,980	11,110	5,130
9	9,170	7,870	10,220	12,980	16,110	20,860	24,040	21,580	21,170	18,820	10,860	4,820
10	9,050	7,930	10,270	13,110	16,190	21,310	23,810	21,540	21,190	18,660	10,610	4,550
11	8,970	7,980	10,310	13,210	16,260	21,780	23,640	21,400	21,130	18,450	10,380	4,270
12	8,870	8,060	10,370	13,340	16,310	22,210	23,500	21,310	21,070	18,250	10,160	4,010
13	8,750	8,160	10,450	13,450	16,360	22,580	23,310	21,190	21,030	18,010	9,920	3,770
14	8,680	8,230	10,550	13,550	16,460	22,910	23,250	21,070	20,990	17,830	9,740	3,530
15	8,600	8,310	10,580	13,650	16,540	23,270	22,930	20,930	21,010	17,660	9,550	3,350
16	8,520	8,410	10,650	13,750	16,660	23,580	22,790	20,800	21,010	17,460	9,410	3,190
17	8,440	8,450	10,710	13,840	16,850	23,770	22,730	20,700	21,010	17,230	9,290	3,040
18	8,350	8,520	10,780	13,920	17,060	23,950	22,620	20,530	21,030	17,000	9,210	2,900
19	8,300	8,530	10,930	14,020	17,230	24,100	22,520	20,360	21,050	16,740	9,140	2,820
20	8,240	8,710	11,000	14,110	17,440	24,290	22,340	20,200	21,050	16,470	9,140	2,720
21	8,140	8,720	11,120	14,210	17,590	24,450	22,030	20,030	21,010	16,220	9,130	2,610
22	8,050	8,790	11,210	14,270	17,780	24,580	22,130	19,960	20,870	15,980	9,080	2,520
23	7,970	8,830	11,320	14,360	17,970	24,680	22,010	19,850	20,720	15,760	9,010	2,450
24	7,900	8,890	11,480	14,430	18,160	24,730	21,890	19,810	20,620	15,490	8,900	2,420
25	7,800	8,960	11,680	14,570	18,330	24,770	21,850	19,810	20,560	15,220	8,690	2,400
26	7,720	8,980	11,790	14,660	18,500	24,730	21,760	19,810	20,470	14,920	8,470	2,370
27	7,650	9,040	11,820	14,770	18,660	24,700	21,660	19,790	20,360	14,610	8,240	2,350
28	7,570	9,100	11,890	14,880	18,840	24,680	21,540	19,990	20,270	14,270	8,030	2,320
29	7,570	9,170	12,020	15,010	18,980	24,730	21,520	20,250	20,160	13,940	7,870	2,300
30	7,390	9,180	12,100	15,110	---	24,730	21,520	20,440	20,030	13,680	7,690	2,270
31	7,410	---	12,200	15,220	---	24,660	---	20,580	---	13,410	7,470	---
MAX	9980	9180	12200	15220	18980	24770	24660	21600	21190	19940	13090	7140
MIN	7390	7440	9330	12340	15340	19170	21520	19790	20030	13410	7470	2270
#	6,441.30	6,443.07	6,445.66	6,447.83	6,450.11	6,453.00	6,451.46	6,450.98	6,450.68	6,446.57	6,441.36	6,433.56
##	-2,700	+1,770	+3,020	+3,020	+3,760	+5,680	-3,140	-940	-550	-6620	-5940	-5200

CAL YR 2003	MAX	29,620	MIN	7,390	##	+2,100
WTR YR 2004	MAX	24,770	MIN	2,270	##	-7,840

e Estimated
Elevation, in feet above NGVD 1929, at end of month, present datum.
Change in contents, in acre-feet.

WALKER RIVER BASIN, EAST WALKER RIVER BASIN

10293000 EAST WALKER RIVER NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°19'40", long 119°12'50" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec. 34, T.06 N., R.25 E., Mono County, Hydrologic Unit 16050301, in Toiyabe National Forest, on right bank, 1,500 ft downstream from Bridgeport Reservoir, 5 mi north of Bridgeport, and 10 mi upstream from Sweetwater Creek.

DRAINAGE AREA.--359 mi^2.

PERIOD OF RECORD.--July 1911 to September 1914 (gage height only), October and November 1921, May 1922 to September 1924, March to July 1925, October 1925 to current year.

REVISED RECORDS.--WSP 1927: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,400 ft. above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 01, 1921, nonrecording gage at site 0.5 mi upstream at different datum. October 01, 1921, to February 21, 1924, water-stage recorder at site 1 mi downstream at different datum. February 22, 1924, to September 30, 1931, water-stage recorder, and October 01, 1931 to May 25, 1939, nonrecording gage at present site at datum 2.34 ft lower. May 26, 1939, to November 27, 1988, water-stage recorder at datum 2.00 ft. higher.

REMARKS.--No estimated daily discharges. Records good. Diversions for irrigation of meadow pasturelands near Bridgeport. Flow regulated by Bridgeport Reservoir (station 10292500). See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,910 ft^3/s, January 4, 1997, gage height, 6.74 ft; minimum daily, 0.20 ft^3/s, November 2, 1955.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 271 ft^3/s, June 22, 23, 24, gage height, 3.84 ft; minimum daily discharge, 18 ft^3/s, December 20, 21, 22, 23, 24.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	29	22	19	21	25	106	105	153	202	172	174
2	102	29	19	19	21	26	93	109	210	210	162	183
3	99	29	19	26	20	21	102	96	217	233	158	161
4	93	29	19	32	28	21	114	117	222	213	180	148
5	93	29	19	32	33	21	114	135	237	183	187	168
6	93	29	19	32	33	21	126	125	249	182	174	187
7	89	29	19	23	33	21	158	113	249	183	158	176
8	86	29	22	19	33	25	175	117	250	167	146	180
9	91	29	23	20	33	27	187	123	246	148	140	186
10	91	29	22	20	33	25	181	140	235	157	138	173
11	90	29	30	20	33	36	173	176	230	170	143	171
12	90	29	30	20	33	46	168	177	216	177	149	158
13	86	29	30	20	33	57	160	166	197	162	138	153
14	81	29	30	23	33	63	147	158	192	139	130	142
15	81	29	30	27	33	68	131	177	185	155	129	124
16	81	29	30	27	26	79	124	193	195	168	113	104
17	81	29	25	28	21	86	115	170	206	177	92	99
18	77	29	25	32	21	92	97	178	203	190	81	89
19	73	23	23	27	21	99	106	187	200	184	81	75
20	76	19	18	32	21	101	115	193	197	178	80	78
21	80	19	18	28	21	102	98	186	220	172	91	82
22	76	19	18	32	21	112	91	166	260	161	106	75
23	75	19	18	32	21	137	91	145	267	154	110	62
24	80	25	18	25	21	152	88	139	257	163	116	52
25	80	28	19	20	21	146	81	133	242	176	144	46
26	79	28	22	20	21	134	90	128	248	175	166	46
27	78	28	30	20	21	122	97	121	256	185	165	46
28	78	28	28	21	21	116	91	122	240	197	147	46
29	78	28	19	21	21	116	91	123	218	183	123	45
30	61	28	19	21	---	99	91	123	214	162	122	45
31	29	---	19	21	---	103	---	123	---	166	143	---
TOTAL	2,561	814	702	759	752	2,299	3,601	4,464	6,711	5,472	4,184	3,474
MEAN	82.6	27.1	22.6	24.5	25.9	74.2	120	144	224	177	135	116
MAX	114	29	30	32	33	152	187	193	267	233	187	187
MIN	29	19	18	19	20	21	81	96	153	139	80	45
AC-FT	5,080	1,610	1,390	1,510	1,490	4,560	7,140	8,850	13,310	10,850	8,300	6,890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2004, BY WATER YEAR (WY)

MEAN	61.8	29.6	37.8	45.3	50.8	89.1	173	253	308	296	237	153
MAX	301	325	398	804	345	417	721	880	1,001	797	638	406
(WY)	(1984)	(1983)	(1984)	(1997)	(1997)	(1983)	(1952)	(1938)	(1938)	(1967)	(1983)	(1983)
MIN	7.35	1.10	2.50	0.50	0.62	5.39	27.5	57.5	36.0	20.4	13.3	17.1
(WY)	(1931)	(1956)	(1960)	(1950)	(1950)	(1927)	(1961)	(1991)	(1924)	(1924)	(1924)	(1977)

10293000 EAST WALKER RIVER NEAR BRIDGEPORT, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1922 - 2004	
ANNUAL TOTAL	35,227		35,793			
ANNUAL MEAN	96.5		97.8		145	
HIGHEST ANNUAL MEAN					443	1983
LOWEST ANNUAL MEAN					37.5	1931
HIGHEST DAILY MEAN	251	Aug 12	267	Jun 23	1,880	Jan 4, 1997
LOWEST DAILY MEAN	18	Dec 20	18	Dec 20	0.20	Nov 2, 1955
ANNUAL SEVEN-DAY MINIMUM	19	Dec 20	19	Dec 20	0.20	Nov 2, 1955
MAXIMUM PEAK FLOW			271	Jun 22	1,910	Jan 4, 1997
MAXIMUM PEAK STAGE			3.84	Jun 22	6.74	Jan 4, 1997
ANNUAL RUNOFF (AC-FT)	69,870		71,000		104,900	
10 PERCENT EXCEEDS	208		188		341	
50 PERCENT EXCEEDS	76		91		92	
90 PERCENT EXCEEDS	24		21		7.2	

WALKER RIVER BASIN, WALKER RIVER BASIN

10293500 EAST WALKER RIVER ABOVE STROSNIDER DITCH NEAR MASON, NV

LOCATION (REVISED).--Lat 38°48'49.37", long 119°02'52.77" referenced to North American Datum of 1983, in NW ¼ SW ¼ sec. 14, T.11 N., R.26 E., Lyon County, Hydrologic Unit 16050303, on right bank, 0.9 mi upstream from head of Strosnider ditch, 12 mi southeast of Mason, and 13.5 mi southeast of Yerington.

DRAINAGE AREA.--1,100 mi^2.

PERIOD OF RECORD.--January 1947 to current year (irrigation season only, l979 to 1994).

GAGE.--Water-stage recorder. Datum of gage is 4,574.10 ft above National Geodetic Vertical Datum of 1929. Prior to October 24, 1957, near present site at datum 0.56 ft higher. October 24, 1957, to April 3, 1974, at site 400 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation above station. Flow regulated by Bridgeport Reservoir (station 10292500). See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,610 ft^3/s, January 4, 1997, gage height, 9.61 ft; minimum daily, 2.3 ft^3/s, March 12, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 284 ft^3/s, August 16, gage height, 4.46 ft; minimum daily discharge, 29 ft^3/s, March 9.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	58	44	39	34	35	82	63	86	155	106	96
2	97	53	43	36	33	37	89	65	97	145	108	116
3	89	51	38	34	36	41	78	78	135	153	103	128
4	90	50	36	e31	34	38	78	63	142	176	97	120
5	82	49	36	e38	35	34	86	69	145	168	112	112
6	79	48	36	47	39	30	87	86	157	145	120	120
7	78	47	36	54	43	31	91	84	169	144	116	136
8	77	46	36	56	45	30	113	73	170	133	103	133
9	75	50	35	45	43	29	129	73	175	124	99	130
10	79	50	37	40	44	32	133	80	177	107	93	139
11	80	47	38	38	44	30	132	88	166	110	86	126
12	81	45	40	36	43	31	127	116	158	118	94	127
13	81	45	41	36	44	37	128	117	149	119	103	119
14	79	45	48	35	44	47	123	114	128	115	109	113
15	75	45	46	35	44	50	113	107	124	97	111	107
16	75	46	37	40	45	52	97	113	116	105	163	100
17	74	45	41	41	45	66	91	128	121	119	111	83
18	76	44	50	42	38	72	89	110	132	146	87	75
19	75	44	46	42	37	74	78	114	134	147	71	76
20	69	44	45	45	36	84	76	121	131	140	68	66
21	68	40	41	42	35	92	88	128	133	129	73	67
22	72	38	37	e45	35	92	75	127	140	123	72	66
23	72	37	35	e37	34	97	67	118	177	114	83	67
24	66	36	36	47	34	112	65	103	188	106	81	60
25	72	37	36	47	34	122	63	99	187	103	85	55
26	75	42	38	39	38	120	57	92	173	112	97	48
27	73	42	e35	36	37	113	58	90	176	112	121	46
28	67	43	e38	37	36	106	68	85	180	115	127	44
29	71	44	e40	35	35	99	61	89	172	127	118	44
30	72	45	e43	35	---	99	63	90	155	121	95	44
31	76	---	42	34	---	87	---	91	---	109	91	---
TOTAL	2,395	1,356	1,230	1,244	1,124	2,019	2,685	2,974	4,493	3,937	3,103	2,763
MEAN	77.3	45.2	39.7	40.1	38.8	65.1	89.5	95.9	150	127	100	92.1
MAX	100	58	50	56	45	122	133	128	188	176	163	139
MIN	66	36	35	31	33	29	57	63	86	97	68	44
AC-FT	4,750	2,690	2,440	2,470	2,230	4,000	5,330	5,900	8,910	7,810	6,150	5,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2004, BY WATER YEAR (WY)

MEAN	72.0	45.0	53.5	70.3	77.5	92.1	177	254	313	278	218	154
MAX	173	173	178	813	383	363	755	905	1,420	885	708	446
(WY)	(1957)	(1999)	(1951)	(1997)	(1997)	(1969)	(1969)	(1969)	(1986)	(1995)	(1983)	(1983)
MIN	22.0	18.3	15.4	13.9	15.9	8.78	15.5	30.5	58.1	32.7	23.1	13.3
(WY)	(1978)	(1978)	(1962)	(1962)	(1950)	(1948)	(1961)	(1991)	(1990)	(1992)	(1992)	(1977)

10293500 EAST WALKER RIVER ABOVE STROSNIDER DITCH NEAR MASON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1948 - 2004	
ANNUAL TOTAL	30,592		29,323			
ANNUAL MEAN	83.8		80.1		150	
HIGHEST ANNUAL MEAN					401	1969
LOWEST ANNUAL MEAN					38.7	1961
HIGHEST DAILY MEAN	237	Aug 22	188	Jun 24	2,580	Jun 4, 1986
LOWEST DAILY MEAN	29	Feb 2	29	Mar 9	2.3	Mar 12, 1977
ANNUAL SEVEN-DAY MINIMUM	33	Jan 27	30	Mar 6	3.6	Mar 20, 1948
MAXIMUM PEAK FLOW			284	Aug 16	2,610	Jan 4, 1997
MAXIMUM PEAK STAGE			4.46	Aug 16	9.61	Jan 4, 1997
ANNUAL RUNOFF (AC-FT)	60,680		58,160		108,300	
10 PERCENT EXCEEDS	159		133		335	
50 PERCENT EXCEEDS	72		75		97	
90 PERCENT EXCEEDS	35		36		25	

e Estimated

WALKER RIVER BASIN, WEST WALKER RIVER BASIN

10295500 LITTLE WALKER RIVER NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°21'39", long 119°26'38" referenced to North American Datum of 1927, in NW ¼ NW ¼ sec. 22, T.06 N., R.23 E., Mono County, Hydrologic Unit 16050302, in Toiyabe National Forest, on right bank, 0.8 mi North of Sonora Junction, 1.5 mi upstream from mouth, and 14 mi northwest of Bridgeport.

DRAINAGE AREA.--63 mi^2.

PERIOD OF RECORD.--April to August 1910, October 1944 to September 1986, October 1995 to current year. Prior to October 1958, published as East Fork Walker River near Bridgeport.

REVISED RECORDS.--WDR 82-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,790 ft above National Geodetic Vertical Datum of 1929, from topographic map. April to August 1910, nonrecording gage at site 1 mi upstream at different datum. Prior to January 02, 1997 at same site, at datum 1.0 ft higher.

REMARKS.--Records good except for daily discharges, which are poor. Small diversions above station. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,540 ft^3/s, January 02, 1997, gage height, 5.70 ft; minimum daily, 2.6 ft^3/s, August 16, 1977.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 28	1000	*153	*2.17				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	13	13	e16	e15	16	42	68	115	65	22	11
2	11	e13	13	e16	15	14	37	75	128	61	22	11
3	11	13	14	e16	e15	15	37	93	127	59	21	11
4	11	e14	16	e17	e15	13	43	109	125	58	21	12
5	12	14	20	e17	e15	14	51	110	124	57	20	12
6	12	16	21	e17	e14	15	50	108	129	62	19	11
7	12	13	17	e17	e14	16	46	104	129	59	19	11
8	12	13	15	e17	e14	19	47	97	120	53	19	12
9	12	13	e14	e17	e14	21	48	96	108	51	18	11
10	12	e13	14	17	e14	25	50	102	94	48	18	10
11	12	e13	e14	18	e14	26	50	92	85	45	20	9.9
12	12	e14	e15	16	e14	28	52	86	77	43	19	9.3
13	12	14	15	18	e13	29	55	85	85	42	20	9.8
14	12	17	e15	21	e13	32	50	86	91	40	20	9.4
15	12	14	e15	19	13	42	47	92	96	38	19	10
16	12	15	e15	e19	16	45	44	97	113	39	18	10
17	12	14	e15	e18	16	44	42	91	117	40	18	10
18	12	14	e14	17	14	56	40	87	109	38	17	11
19	12	15	14	e17	15	59	38	83	104	37	17	11
20	12	14	15	e17	14	59	38	80	100	35	21	11
21	12	13	14	16	14	73	37	75	96	35	19	11
22	12	13	e14	e16	13	72	37	74	94	37	17	11
23	12	e14	14	e17	13	62	37	75	93	35	17	11
24	12	e15	16	17	13	59	39	75	92	32	16	10
25	12	16	15	e17	13	52	42	84	89	30	15	10
26	12	e15	e15	e16	e13	44	50	93	86	29	14	10
27	12	e14	e16	15	e14	38	61	93	81	27	13	10
28	12	14	e16	18	e15	32	68	126	77	25	13	10
29	12	15	e16	16	e16	34	66	97	71	24	12	11
30	12	14	e16	15	---	36	62	90	68	23	13	11
31	13	---	e16	15	---	42	---	93	---	22	12	---
TOTAL	369	422	472	525	411	1,132	1,406	2,816	3,023	1,289	549	318.4
MEAN	11.9	14.1	15.2	16.9	14.2	36.5	46.9	90.8	101	41.6	17.7	10.6
MAX	13	17	21	21	16	73	68	126	129	65	22	12
MIN	11	13	13	15	13	13	37	68	68	22	12	9.3
AC-FT	732	837	936	1,040	815	2,250	2,790	5,590	6,000	2,560	1,090	632

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2004, BY WATER YEAR (WY)

MEAN	19.9	21.3	21.5	22.2	22.3	27.4	50.5	125	172	99.9	38.0	22.6
MAX	47.7	65.3	98.4	101	58.9	85.7	97.0	323	388	297	137	55.5
(WY)	(1983)	(1951)	(1951)	(1997)	(1986)	(1986)	(1986)	(1969)	(1983)	(1967)	(1983)	(1983)
MIN	6.79	9.84	9.10	9.26	11.0	10.8	20.9	16.5	36.6	9.48	5.41	4.95
(WY)	(1978)	(1949)	(1949)	(1949)	(1977)	(1977)	(1976)	(1977)	(1976)	(1977)	(1977)	(1977)

10295500 LITTLE WALKER RIVER NEAR BRIDGEPORT, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1945 - 2004	
ANNUAL TOTAL	15,500		12,732.4			
ANNUAL MEAN	42.5		34.8		53.7	
HIGHEST ANNUAL MEAN					113	1983
LOWEST ANNUAL MEAN					13.9	1977
HIGHEST DAILY MEAN	328	May 30	129	Jun 6	730	May 16, 1996
LOWEST DAILY MEAN	11	Sep 24	9.3	Sep 12	2.6	Aug 16, 1977
ANNUAL SEVEN-DAY MINIMUM	11	Sep 24	9.8	Sep 10	3.0	Aug 11, 1977
MAXIMUM PEAK FLOW			153	May 28	2,540	Jan 2, 1997
MAXIMUM PEAK STAGE			2.17	May 28	5.70	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	30,740		25,250		38,880	
10 PERCENT EXCEEDS	103		91		142	
50 PERCENT EXCEEDS	18		17		25	
90 PERCENT EXCEEDS	12		12		13	

e Estimated

WALKER RIVER BASIN, WEST WALKER RIVER BASIN

10296000 WEST WALKER RIVER BELOW LITTLE WALKER RIVER NEAR COLEVILLE, CA

LOCATION.--Lat 38°22'47", long 119°26'57" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec. 09, T.06 N., R.23 E., Mono County, Hydrologic Unit 16050302, in Toiyabe National Forest, on left bank, 10 ft upstream from bridge on U.S. Highway 395, and 13 mi southeast of Coleville.

DRAINAGE AREA.--181 mi^2.

PERIOD OF RECORD.--April 1938 to current year. Prior to October 1958, published as "below East Fork."

REVISED RECORDS.--WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,591.39 ft above National Geodetic Vertical Datum of 1929. Prior to October 01, 1939, at site, 125 ft downstream at datum 1.00 ft higher. October 01, 1939, to September 30, 1969, at present site and datum. October 01, 1969, to July 10, 1987, at site 100 ft downstream at same datum. July 10, 1987 to March 05, 1997, at site upstream 100 ft at same datum. March 06, 1997 at site 150 ft downstream at datum 2.00 ft lower.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station is above diversions except for a few small ranch ditches. Flow slightly regulated by Poore Lake, capacity, 1,200 acre-ft, 7 mi upstream. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,300 ft^3/s, January 02, 1997, gage height, 10.11 ft; minimum daily, 9.7 ft^3/s, September 11, 1997.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed prior to 1938, 5,800 ft^3/s, December 11, 1937, on basis of slope-area measurement of peak flow.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,120 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 5	0300	*1,350	*4.16	May 28	1645	1,350	4.16

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	31	e34	e32	e38	63	370	745	867	277	83	34
2	26	27	e34	e32	38	60	317	893	925	288	78	33
3	26	31	33	e32	e38	50	301	1,050	984	295	75	36
4	26	28	34	e32	e38	49	356	1,150	983	308	71	38
5	26	31	54	e32	e38	50	474	1,220	944	291	67	38
6	26	30	e58	e32	e38	53	523	1,140	997	321	64	34
7	25	32	e49	e32	e38	62	467	1,000	1,000	303	62	34
8	24	31	e45	e32	e38	74	461	918	816	279	58	32
9	23	e32	e40	e36	e39	89	496	936	612	257	57	30
10	23	e32	e37	e40	e39	115	513	910	485	242	55	28
11	24	e32	e33	e41	e39	129	492	705	483	212	53	28
12	24	e33	e40	e41	e39	146	520	602	505	188	51	27
13	23	e34	e44	e40	e40	158	561	634	600	185	56	27
14	23	e35	e39	e40	e40	180	493	730	731	192	63	26
15	22	e36	e35	e40	40	230	430	777	762	185	56	26
16	21	36	e35	e40	48	260	391	765	718	190	59	26
17	22	40	e35	e40	60	271	349	796	680	199	52	25
18	22	39	e39	e40	53	308	319	765	645	196	47	27
19	22	40	e41	e40	55	359	310	694	580	191	73	29
20	21	41	e41	e40	49	398	279	705	549	178	95	30
21	21	38	e42	e40	53	451	258	657	528	166	85	32
22	21	32	e37	e40	51	492	263	629	487	167	69	32
23	21	e32	e38	e40	48	517	262	653	519	164	66	30
24	20	e33	e40	e40	50	481	306	659	503	160	61	28
25	21	e33	e40	e40	40	430	386	652	460	147	53	27
26	21	e33	e38	e39	41	371	526	616	434	137	47	26
27	25	e33	e32	e39	51	313	728	708	406	118	45	25
28	29	e33	e32	e39	51	300	862	1,170	363	108	43	26
29	29	e34	e32	e39	56	323	774	907	316	94	41	26
30	27	e34	e32	e38	---	358	674	743	299	86	39	27
31	24	---	e32	e38	---	370	---	833	---	87	36	---
TOTAL	733	1,006	1,195	1,166	1,286	7,510	13,461	25,362	19,181	6,211	1,860	887
MEAN	23.6	33.5	38.5	37.6	44.3	242	449	818	639	200	60.0	29.6
MAX	29	41	58	41	60	517	862	1,220	1,000	321	95	38
MIN	20	27	32	32	38	49	258	602	299	86	36	25
MED	23	33	38	40	40	260	446	765	590	190	58	28
AC-FT	1,450	2,000	2,370	2,310	2,550	14,900	26,700	50,310	38,050	12,320	3,690	1,760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2004, BY WATER YEAR (WY)

MEAN	54.0	66.7	70.3	77.4	74.2	112	303	784	954	485	149	72.8
MAX	219	539	448	854	246	369	609	1,655	2,066	1,864	663	246
(WY)	(1983)	(1951)	(1951)	(1997)	(1963)	(1986)	(1997)	(1969)	(1983)	(1995)	(1983)	(1983)
MIN	16.6	22.2	20.0	18.1	26.0	32.1	108	139	188	41.1	18.5	12.3
(WY)	(1978)	(1978)	(1991)	(1977)	(1991)	(1977)	(1975)	(1977)	(1976)	(1977)	(1977)	(1977)

10296000 WEST WALKER RIVER BELOW LITTLE WALKER RIVER NEAR COLEVILLE, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1938 - 2004	
ANNUAL TOTAL	94,872		79,858			
ANNUAL MEAN	260		218		265	
HIGHEST ANNUAL MEAN					537	1983
LOWEST ANNUAL MEAN					65.3	1977
HIGHEST DAILY MEAN	2,550	May 30	1,220	May 5	8,660	Jan 2, 1997
LOWEST DAILY MEAN	20	Oct 24	20	Oct 24	9.7	Sep 11, 1977
ANNUAL SEVEN-DAY MINIMUM	21	Oct 20	21	Oct 20	10	Sep 5, 1977
MAXIMUM PEAK FLOW			1,350	May 5	12,300	Jan 2, 1997
MAXIMUM PEAK STAGE			4.16	May 5	10.11	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	188,200		158,400		191,800	
10 PERCENT EXCEEDS	712		697		800	
50 PERCENT EXCEEDS	67		51		86	
90 PERCENT EXCEEDS	28		27		34	

e Estimated

WALKER RIVER BASIN, WEST WALKER RIVER BASIN

10296500 WEST WALKER RIVER NEAR COLEVILLE, CA

LOCATION.--Lat 38°30'48", long 119°26'56" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 28, T.08 N., R.23 E., Mono County, Hydrologic Unit 16050302, in Toiyabe National Forest, on left bank, 250 ft downstream from Rock Creek, and 5 mi southeast of Coleville.

DRAINAGE AREA.--250 mi^2.

PERIOD OF RECORD.--October 1902 to July 1908 (published as West Fork of Walker River near Coleville, 1903, 1905-08 and as Walker River (West Fork) near Coleville, 1904), March 1909 to September 1910, June 1915 to March 1938, May 1957 to current year.

REVISED RECORDS.--WSP 880: 1917 (runoff in acre-ft). WSP 1514: 1918, 1923. WDR NV-80-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,520 ft above National Geodetic Vertical Datum of 1929, from topographic map. See WSP 1927 for history of changes prior to July 25, 1964. July 26, 1964 to January 02, 1997(gage destroyed by flood) at several sites and datums 2,000 ft downstream from present location, when re-established October 28, 1997, at new datum.

REMARKS.--Records fair except for estimated daily discharges and discharges greater than 220 ft^3/s, which are poor. Station is above diversions except for a few small ranch ditches. Flow slightly regulated by Poore Lake, capacity, 1,200 acre-ft, 17 mi upstream. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft^3/s, January 02, 1997, gage height, 10.23 ft; minimum daily, 14 ft^3/s, several days July-September 1924 and September 12, 1977.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,120 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 28	2000	*1,400	*6.97	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	32	29	e42	49	75	318	598	732	310	102	e38
2	30	e33	29	44	52	77	275	725	766	313	98	38
3	31	34	29	e44	49	74	256	898	796	299	95	38
4	31	e33	28	e46	e50	73	291	1,020	790	302	92	e38
5	30	32	34	e49	e52	72	384	1,160	752	293	88	e38
6	32	29	55	59	e53	76	421	1,080	799	314	85	e38
7	32	31	59	60	55	80	377	885	812	307	83	e38
8	31	30	39	59	e54	86	381	795	690	292	79	e36
9	30	e32	37	58	54	98	400	819	534	266	76	e36
10	30	34	44	59	49	117	424	814	434	253	73	e32
11	32	e35	36	59	e49	132	409	621	429	225	71	32
12	31	35	40	58	e50	138	419	531	445	203	68	31
13	31	37	44	57	e51	148	446	544	504	195	e76	32
14	31	36	39	55	51	174	401	631	617	197	e87	32
15	31	37	36	56	51	213	363	682	640	185	e72	33
16	31	35	40	53	58	228	321	668	615	186	e80	32
17	31	36	54	55	75	236	292	699	604	194	e64	32
18	31	37	54	57	71	258	265	671	607	193	e70	32
19	31	37	54	55	64	312	246	602	580	187	e98	35
20	30	37	60	56	67	334	233	612	549	182	e102	35
21	30	36	56	56	65	375	228	575	522	177	e85	37
22	30	32	50	51	65	400	232	547	492	171	e76	37
23	30	e35	54	e53	65	421	228	564	523	168	e70	36
24	31	e35	62	58	62	401	264	568	517	164	e65	35
25	31	33	68	50	64	364	328	562	474	153	e60	34
26	31	e35	59	51	57	318	433	526	456	144	e52	33
27	30	31	e53	55	63	271	580	594	432	136	e46	33
28	30	32	e51	49	64	255	725	1,100	401	130	e46	33
29	30	30	54	53	66	262	654	837	346	117	e42	33
30	30	31	e46	52	---	295	553	640	327	111	e42	34
31	29	---	e44	52	---	311	---	708	---	108	e40	---
TOTAL	949	1,012	1,437	1,661	1,675	6,674	11,147	22,276	17,185	6,475	2,283	1,041
MEAN	30.6	33.7	46.4	53.6	57.8	215	372	719	573	209	73.6	34.7
MAX	32	37	68	60	75	421	725	1,160	812	314	102	38
MIN	29	29	28	42	49	72	228	526	327	108	40	31
AC-FT	1,880	2,010	2,850	3,290	3,320	13,240	22,110	44,180	34,090	12,840	4,530	2,060

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2004, BY WATER YEAR (WY)

MEAN	68.9	69.9	67.1	78.4	80.9	128	307	792	989	520	164	82.4
MAX	299	214	270	905	280	403	636	1,756	2,055	2,492	721	269
(WY)	(1905)	(1974)	(1965)	(1997)	(1963)	(1986)	(1910)	(1969)	(1983)	(1907)	(1995)	(1907)
MIN	21.5	25.4	28.7	26.9	32.0	42.1	118	149	106	26.9	17.4	16.1
(WY)	(1978)	(1930)	(1960)	(1930)	(1929)	(1933)	(1975)	(1977)	(1924)	(1924)	(1924)	(1924)

10296500 WEST WALKER RIVER NEAR COLEVILLE, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1903 - 2004	
ANNUAL TOTAL	100,052		73,815			
ANNUAL MEAN	274		202		279	
HIGHEST ANNUAL MEAN					669	1907
LOWEST ANNUAL MEAN					74.5	1977
HIGHEST DAILY MEAN	2,670	May 30	1,160	May 5	9,000	Jan 2, 1997
LOWEST DAILY MEAN	28	Dec 4	28	Dec 4	14	Jul 24, 1924
ANNUAL SEVEN-DAY MINIMUM	30	Nov 28	30	Nov 28	14	Aug 28, 1924
MAXIMUM PEAK FLOW			1,400	May 28	12,500	Jan 2, 1997
MAXIMUM PEAK STAGE			6.97	May 28	10.23	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	198,500		146,400		201,800	
10 PERCENT EXCEEDS	732		599		832	
50 PERCENT EXCEEDS	77		65		94	
90 PERCENT EXCEEDS	31		31		37	

e Estimated

WALKER RIVER BASIN, WEST WALKER RIVER BASIN

10297000 TOPAZ LAKE NEAR TOPAZ, CA

LOCATION.--Lat 38°41'35.64", long 119°31'13.11" referenced to North American Datum of 1983, in NW ¼ NE ¼ sec. 33, T.10 N., R.22 E., Douglas County, Hydrologic Unit 16050302, at outlet works of Topaz Lake on West Walker River, and 5.5 mi north of Topaz.

PERIOD OF RECORD.--December 1921 to September 1931 (monthly contents only published in WSP 1734), October 1931 to current year.

GAGE.--Water-stage recorder. Datum of gage is above National Geodetic Vertical Datum of 1929. Prior to October 1, 1978, at datum 4.62 ft higher.

REMARKS.--Topaz Lake, formerly known as Alkali Lake and Topaz Reservoir, was formed by the diversion of water from West Walker River through a feeder canal and the construction of an outlet tunnel through a low saddle in rim of lake. Storage began about December 1921. Usable capacity, 59,440 acre-ft, between elevations 4,967.68 ft (lowest practical elevation for diversion through tunnel) and 5,000.38 ft (3 ft below top of levee). Usable capacity of reservoir was increased from about 45,000 acre-ft to 59,440 acre-ft in October 1937 by an earthfill, rock-faced levee at south end. Figures given herein represent usable contents. There is 65,000 acre-ft of lake volume below the point of controllable storage. Water is used for irrigation in Walker River Irrigation District. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 60,680 acre-ft, July 3, 1980, July 10, 1995, elevation 5,000.92 ft, present datum; no usable contents at times in some years.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 23,260 acre-ft, June 8, gage height, 86.69 ft; minimum contents, 2,340 acre-ft, September 28, 30, gage height, 73.82 ft.

Capacity table, (elevation, in feet, and contents, in acre-feet)

4,968	490	4,980	19,760	4,995	47,540
4,970	3,580	4,985	28,310	5,000	58,570
4,975	11,520	4,990	37,360	5,001	60,870

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13,510	6,750	8,470	11,770	14,740	18,350	21,360	19,920	21,340	19,420	10,950	4,330
2	13,220	6,640	8,590	11,890	14,900	18,470	21,410	19,890	21,590	19,150	10,610	4,190
3	12,930	6,610	8,660	11,970	14,970	18,570	21,410	20,060	21,880	18,900	10,180	3,910
4	12,630	6,660	8,690	12,050	15,050	18,670	21,440	20,360	22,220	18,680	9,790	3,820
5	12,390	6,740	8,820	12,110	15,120	18,770	21,540	20,850	22,440	18,480	9,440	3,650
6	12,160	6,780	8,910	12,230	15,200	18,870	21,680	21,100	22,750	18,270	9,060	3,520
7	11,920	6,850	9,090	12,280	15,280	18,970	21,730	21,220	23,090	18,110	8,770	3,400
8	11,630	6,910	9,180	12,340	15,350	19,080	21,640	21,240	23,190	17,950	8,500	3,290
9	11,290	7,160	9,310	12,410	15,450	19,200	21,540	21,290	23,050	17,780	8,260	3,180
10	10,980	7,240	9,390	12,540	15,530	19,280	21,420	21,340	22,760	17,570	8,020	3,150
11	10,710	7,320	9,490	12,650	15,650	19,420	21,290	21,250	22,460	17,370	7,780	3,050
12	10,470	7,400	9,600	12,760	15,760	19,520	21,170	21,030	22,200	17,130	7,750	2,960
13	10,260	7,460	9,650	12,890	e15,910	19,590	21,120	20,810	22,080	16,870	7,510	2,900
14	10,050	7,540	9,890	12,990	e16,060	19,650	21,050	20,660	22,170	16,600	7,350	2,820
15	9,890	7,590	9,970	13,110	e16,210	19,770	20,870	20,610	22,360	16,400	7,230	2,790
16	9,760	7,640	10,000	13,200	e16,360	19,890	20,680	20,560	22,490	16,220	7,100	2,740
17	9,580	7,690	10,130	13,320	e16,500	19,970	20,530	20,540	22,540	15,990	6,970	2,710
18	9,490	7,770	10,230	13,420	16,600	20,040	20,390	20,490	22,540	15,710	6,820	2,650
19	9,310	7,850	10,400	13,530	16,740	20,210	20,290	20,440	22,440	15,450	6,660	2,510
20	9,220	7,860	10,480	13,690	16,890	20,390	20,060	20,410	22,300	15,120	6,550	2,510
21	9,090	7,910	10,580	13,790	17,030	20,650	19,960	20,330	22,100	14,820	6,500	2,500
22	8,940	7,960	10,630	13,870	17,170	20,900	19,840	20,220	21,810	14,530	6,360	2,500
23	8,820	8,040	10,790	13,970	17,330	21,080	19,720	20,060	21,590	14,230	6,150	2,480
24	8,590	8,120	10,850	14,040	17,470	21,150	19,600	19,970	21,340	13,900	6,030	2,480
25	8,310	8,130	11,110	14,130	17,750	21,140	19,540	19,920	21,100	13,580	5,870	2,470
26	8,040	8,180	11,210	14,250	17,900	21,070	19,600	19,840	20,870	13,190	5,600	2,450
27	7,780	8,270	11,270	14,330	18,000	20,970	19,840	19,740	20,580	12,800	5,400	2,430
28	7,480	8,350	11,300	14,410	18,110	20,980	20,120	20,220	20,280	12,440	5,220	2,400
29	7,230	8,390	11,450	14,510	18,230	21,030	20,190	20,710	19,970	12,100	5,080	2,430
30	6,930	8,500	11,580	14,590	---	21,140	20,090	20,880	19,700	11,690	4,910	2,420
31	6,880	---	11,680	14,660	---	21,250	---	21,100	---	11,350	4,740	---
MAX	13,510	8,500	11,680	14,660	18,230	21,250	21,730	21,340	23,190	19,420	10,950	4,330
MIN	6,880	6,610	8,470	11,770	14,740	18,350	19,540	19,740	19,700	11,350	4,740	2,400
#	4,972.10	4,973.12	4,975.10	4,976.93	4,979.09	4,980.89	4,980.20	4,980.80	4,979.97	4,974.90	4,970.74	4,969.25
##	-6,930	+1,620	+3,180	+2,980	+3,570	+3,020	-1,160	+1,010	-1,400	-8,350	-6,610	-2,320

CAL YR 2003 MAX 57,820 MIN 6,610 ## +1,280
WTR YR 2004 MAX 23,190 MIN 2,400 ## -11,390

e Estimated
Elevation, in feet above NGVD 1929, at end of month, present datum.
Change in contents, in acre-feet.

WALKER RIVER BASIN, WEST WALKER RIVER BASIN

10297500 WEST WALKER RIVER AT HOYE BRIDGE NEAR WELLINGTON, NV

LOCATION (REVISED).--Lat 38°43'41.03", long 119°25'40.3" referenced to North American Datum of 1983, in NE ¼ SE ¼ sec. 17, T.10 N., R.23 E., Douglas County, Hydrologic Unit 16050302, on left bank, 20 ft upstream from Hoye Bridge, 2 mi upstream from head of Saroni Canal, and 4 mi southwest of Wellington.

DRAINAGE AREA.--497 mi^2.

PERIOD OF RECORD.--May to August 1910 (published as West Walker River near Wellington), July 1920 to September 1923, March 1924 to August 1925, October 1925 to September 1932, October 1957 to current year. Monthly discharge only for some periods published in WSP 1314.

REVISED RECORDS.--WDR NV-80-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,980 ft above National Geodetic Vertical Datum of 1929, from topographic map. May to August 1910, nonrecording gage at same site at different datum. July 1, 1920, to September 30, 1923, water-stage recorder at site 3 mi downstream, 1 mi downstream from Saroni Canal, at different datum, and supplemental nonrecording gage at Saroni Canal 1 mi downstream from head. March 1, 1924, to September 30, 1932, water-stage recorder at site at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by off-channel storage in Topaz Lake (station 10297000), since January 30, 1922. Diversions for irrigation of about 10,500 acres above station. Records include releases from Topaz Lake and all return flow from Antelope Valley. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,500 ft^3/s, January 3, 1997, gage height, 13.68 ft; minimum daily, 3.6 ft^3/s, February 5, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 615 ft^3/s, May 6, gage height, 4.00 ft; minimum daily discharge, 21 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	83	33	34	35	33	160	478	503	336	220	112
2	161	86	33	33	36	45	168	495	522	319	205	106
3	164	82	33	32	36	36	175	526	543	305	210	101
4	163	42	34	e31	36	33	177	560	541	297	203	93
5	157	35	36	e31	36	28	183	583	551	300	192	87
6	148	34	36	31	36	29	208	603	551	283	184	83
7	136	33	36	34	36	31	254	588	559	259	164	77
8	154	35	36	39	37	33	283	561	567	240	172	70
9	180	39	35	38	34	40	292	555	537	230	173	64
10	185	40	34	34	29	43	319	556	542	223	157	62
11	167	37	32	33	27	45	347	551	520	216	164	61
12	145	37	31	33	22	62	354	518	508	214	163	58
13	138	37	30	32	21	83	323	503	429	210	162	57
14	114	36	30	32	21	100	316	494	441	196	145	57
15	115	36	29	32	21	105	328	509	490	189	140	56
16	102	36	29	32	21	124	320	498	506	187	129	55
17	94	36	28	32	21	133	307	502	521	199	127	53
18	91	36	28	32	22	135	260	496	506	210	134	50
19	95	35	29	32	23	130	247	481	493	221	133	49
20	95	33	31	34	22	130	227	473	492	230	131	48
21	89	33	30	33	22	136	214	457	505	218	128	50
22	93	32	33	37	22	154	201	452	512	227	130	51
23	98	32	31	39	21	208	197	452	502	219	125	51
24	123	30	31	32	21	260	198	461	499	214	133	51
25	148	31	31	33	22	275	210	449	490	219	127	49
26	160	32	e30	33	27	304	219	443	490	212	129	48
27	161	31	e30	32	33	297	230	443	471	235	125	48
28	163	32	e30	35	32	192	283	468	442	228	122	47
29	142	32	30	35	32	180	426	519	392	209	105	45
30	123	33	31	35	---	151	441	493	371	210	106	43
31	96	---	33	35	---	156	---	492	---	212	115	---
TOTAL	4,181	1,186	983	1,040	804	3,711	7,867	15,659	14,996	7,267	4,653	1,882
MEAN	135	39.5	31.7	33.5	27.7	120	262	505	500	234	150	62.7
MAX	185	86	36	39	37	304	441	603	567	336	220	112
MIN	89	30	28	31	21	28	160	443	371	187	105	43
AC-FT	8,290	2,350	1,950	2,060	1,590	7,360	15,600	31,060	29,740	14,410	9,230	3,730

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2004, BY WATER YEAR (WY)

MEAN	81.3	44.5	44.4	56.4	53.8	83.2	268	611	700	496	285	160
MAX	286	332	399	1,032	500	477	730	1,303	1,949	1,611	721	390
(WY)	(1984)	(1983)	(1983)	(1997)	(1997)	(1983)	(1982)	(1969)	(1983)	(1995)	(1983)	(1983)
MIN	12.6	13.3	9.20	5.56	7.66	8.03	59.7	115	150	97.1	26.6	19.5
(WY)	(1978)	(1982)	(1985)	(1985)	(1985)	(1962)	(1929)	(1977)	(1924)	(1992)	(1977)	(1931)

10297500 WEST WALKER RIVER AT HOYE BRIDGE NEAR WELLINGTON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1910 - 2004	
ANNUAL TOTAL	68,284		64,229			
ANNUAL MEAN	187		175		245	
HIGHEST ANNUAL MEAN					620	1983
LOWEST ANNUAL MEAN					61.0	1977
HIGHEST DAILY MEAN	822	May 25	603	May 6	4,000	Jan 3, 1997
LOWEST DAILY MEAN	25	Feb 15	21	Feb 13	3.6	Feb 5, 1985
ANNUAL SEVEN-DAY MINIMUM	25	Feb 14	21	Feb 12	3.8	Feb 9, 1985
MAXIMUM PEAK FLOW			615	May 6	11,500	Jan 3, 1997
MAXIMUM PEAK STAGE			4.00	May 6	13.68	Jan 3, 1997
ANNUAL RUNOFF (AC-FT)	135,400		127,400		177,500	
10 PERCENT EXCEEDS	517		494		631	
50 PERCENT EXCEEDS	102		124		107	
90 PERCENT EXCEEDS	31		31		20	

e Estimated

WALKER RIVER BASIN, WEST WALKER RIVER BASIN

10300000 WEST WALKER RIVER NEAR HUDSON, NV

LOCATION.--Lat 38°48'35", long 119°13'35" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec. 18, T.11 N., R.25 E., Lyon County, Hydrologic Unit 16050302, on left bank, 0.5 mi upstream from Wilson Canyon, and 3 mi southeast of Hudson.

DRAINAGE AREA.--964 mi^2.

PERIOD OF RECORD.--August 1914 to March 1925, January 1947 to September 1978, April 1979 to September 1994, (irrigation season only) October 1994 to current year. August 1914 to April 1921 published as "at Hudson."

GAGE.--Water-stage recorder. Prior to May 1921, nonrecording gage at site 2.5 mi upstream at different datum. May 1921 to March 1925, water-stage recorder at approximately same site at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by off-channel storage in Topaz Lake (station 10297000) since January 30, 1922. Many diversions above station for irrigation. Station is below return flow from irrigated areas in Smith Valley. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,400 ft^3/s, January 3, 1997, gage height, 12.18 ft; minimum daily, 10 ft^3/s, January 23, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 415 ft^3/s, May 29, gage height, 2.38 ft; minimum daily discharge, 25 ft^3/s, September 12, 13, 14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	81	42	40	51	46	148	263	381	226	112	55
2	121	94	42	e38	51	55	151	280	363	214	98	49
3	114	95	42	e35	52	55	154	290	348	204	100	50
4	107	78	41	e34	52	49	156	316	320	198	104	60
5	114	58	42	e36	53	44	146	349	325	196	100	64
6	106	50	42	e40	53	41	149	335	331	194	107	62
7	92	49	44	43	54	41	178	327	342	177	109	54
8	82	48	43	45	53	43	194	300	334	168	107	44
9	102	55	42	49	54	45	190	297	320	163	111	34
10	110	52	44	46	50	50	196	316	322	157	93	28
11	113	50	43	44	46	50	221	322	300	148	101	26
12	100	50	42	43	41	60	228	297	306	147	116	25
13	93	50	42	43	38	73	213	284	262	147	117	25
14	89	50	44	43	37	96	208	266	256	134	116	25
15	73	49	42	43	37	100	223	272	305	130	136	26
16	59	49	38	43	37	102	220	280	313	120	128	28
17	60	51	35	43	36	121	219	294	325	124	104	32
18	59	51	34	44	36	131	196	297	321	138	81	33
19	58	50	32	44	37	128	186	289	304	145	83	32
20	61	45	35	46	38	119	179	287	298	147	73	35
21	57	43	32	47	38	126	169	278	295	134	73	43
22	52	42	32	e46	38	133	160	289	298	135	92	50
23	52	41	37	e48	37	162	152	298	280	135	85	46
24	49	42	38	48	35	200	153	311	274	129	78	47
25	60	41	39	46	37	214	157	313	272	134	69	46
26	91	41	39	47	39	232	156	308	282	126	67	46
27	106	41	e37	47	46	240	161	320	281	127	62	51
28	104	42	e33	48	48	191	176	339	279	134	60	50
29	96	42	e39	50	47	171	241	383	250	107	55	46
30	90	42	37	50	---	154	250	397	244	97	49	43
31	72	---	39	51	---	143	---	381	---	99	56	---
TOTAL	2,676	1,572	1,213	1,370	1,271	3,415	5,530	9,578	9,131	4,634	2,842	1,255
MEAN	86.3	52.4	39.1	44.2	43.8	110	184	309	304	149	91.7	41.8
MAX	134	95	44	51	54	240	250	397	381	226	136	64
MIN	49	41	32	34	35	41	146	263	244	97	49	25
AC-FT	5,310	3,120	2,410	2,720	2,520	6,770	10,970	19,000	18,110	9,190	5,640	2,490

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2004, BY WATER YEAR (WY)

MEAN	71.8	63.8	69.9	80.1	87.8	98.8	211	437	584	352	170	106
MAX	203	178	493	1,064	527	450	528	1,231	1,718	1,490	568	290
(WY)	(1917)	(1951)	(1951)	(1997)	(1997)	(1969)	(1982)	(1997)	(1983)	(1995)	(1983)	(1983)
MIN	21.7	20.8	20.7	22.0	26.1	30.3	56.9	92.1	86.4	55.8	14.6	14.7
(WY)	(1978)	(1962)	(1962)	(1962)	(1961)	(1961)	(1922)	(1977)	(1924)	(1924)	(1920)	(1920)

10300000 WEST WALKER RIVER NEAR HUDSON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1915 - 2004	
ANNUAL TOTAL	47,803		44,487			
ANNUAL MEAN	131		122		196	
HIGHEST ANNUAL MEAN					435	1997
LOWEST ANNUAL MEAN					56.4	1977
HIGHEST DAILY MEAN	580	May 26	397	May 30	4,230	Jan 3, 1997
LOWEST DAILY MEAN	27	Feb 19	25	Sep 12	10	Jan 23, 1962
ANNUAL SEVEN-DAY MINIMUM	28	Feb 16	26	Sep 10	13	Aug 7, 1920
MAXIMUM PEAK FLOW			415	May 29	11,400	Jan 3, 1997
MAXIMUM PEAK STAGE			2.38	May 29	12.18	Jan 3, 1997
ANNUAL RUNOFF (AC-FT)	94,820		88,240		142,000	
10 PERCENT EXCEEDS	380		297		430	
50 PERCENT EXCEEDS	72		80		99	
90 PERCENT EXCEEDS	39		38		34	

e Estimated

WALKER RIVER BASIN, WALKER RIVER BASIN

10301500 WALKER RIVER NEAR WABUSKA, NV

LOCATION (REVISED).--Lat 39°09'08.86", long 119°05'56" referenced to North American Datum of 1983, in SE ¼ NW ¼ sec. 20, T.15 N., R.26 E., Lyon County, Hydrologic Unit 16050303, on left bank, 600 ft upstream from timber bridge at Julian Ranch, 1.8 mi downstream from Southern Pacific Railroad bridge, 4.6 mi east of Wabuska, and 16 mi upstream from Weber Dam.

DRAINAGE AREA.--2,600 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1902 to December 1904, January 1905 to July 1908 (fragmentary), January 1920 to September 1924, March 1925 to September 1935, January 1939 to current year. Monthly discharge only for some periods published in WSP 1734.

REVISED RECORDS.--WSP 1314: 1923 (M). WSP 1634: 1904.

GAGE.--Water-stage recorder. Elevation of gage is 4,280 ft above National Geodetic Vertical Datum of 1929, from topographic map. July 22, 1902, to July 31, 1908, nonrecording gage at site 2.5 mi upstream at different datum. January 15, 1920, to September 30, 1929, nonrecording gage or water-stage recorder at several sites near present site at various datums; October 1, 1929, to September 30, 1935, water-stage recorder at site 1.5 mi downstream at different datum. January 1939 to September 1958, non-recording gage on bridge 300 ft downstream at datum 1.19 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Many diversions for irrigation above station. Flow regulated by Bridgeport Reservoir (station 10292500) and Topaz Lake (station 10297000), combined capacity, 101,900 acre-ft. No flow at times in 1924, 1925, and 1931. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 3,280 ft^3/s, July 10, 11, 1906, gage height, 5.9 ft, site and datum then in use; no flow at times, 1924, 1925, and 1931.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 145 ft^3/s, June 17, gage height, 4.65 ft; minimum daily discharge, 3.1 ft^3/s, August 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	14	44	40	38	68	e66	33	75	50	24	19
2	32	61	35	43	38	58	e59	22	84	57	30	16
3	44	101	38	36	42	45	46	24	85	79	29	26
4	59	107	41	24	43	33	41	32	61	74	50	30
5	56	97	40	26	41	39	34	55	45	80	55	45
6	60	71	37	27	42	34	27	82	42	83	40	47
7	43	62	35	35	43	28	22	103	48	99	39	46
8	30	55	37	62	48	25	29	116	64	104	30	24
9	29	55	30	64	59	23	23	78	80	67	24	24
10	35	62	32	66	66	22	22	76	81	38	15	20
11	53	52	33	59	61	16	30	85	82	26	6.7	20
12	63	50	37	45	49	14	53	84	63	28	5.1	21
13	65	46	32	40	47	13	51	66	54	42	4.5	22
14	53	49	40	39	46	14	39	48	39	45	17	21
15	54	50	41	35	39	34	44	41	56	48	37	23
16	36	48	47	32	40	55	82	48	117	51	55	21
17	23	50	33	32	49	45	71	63	138	46	100	16
18	15	48	32	34	50	38	64	87	138	36	68	12
19	16	49	42	36	45	42	55	86	105	48	38	7.0
20	19	46	45	38	51	36	107	82	73	53	32	8.8
21	12	45	42	49	49	21	113	100	57	47	33	8.1
22	23	47	39	e49	48	25	113	92	47	28	50	18
23	28	e47	35	e56	51	13	83	98	57	42	74	21
24	27	e48	31	e46	60	18	59	101	61	33	61	24
25	24	e36	32	49	58	43	59	82	69	42	37	25
26	16	e39	33	55	57	55	61	81	81	47	12	25
27	34	e43	26	43	56	e63	56	68	89	46	5.7	21
28	41	50	22	38	62	e63	58	66	85	35	3.1	24
29	31	50	20	38	68	e56	72	62	56	45	8.8	22
30	22	48	39	39	---	e65	116	77	35	35	9.4	23
31	15	---	47	39	---	e67	---	91	---	25	11	---
TOTAL	1,094	1,626	1,117	1,314	1,446	1,171	1,755	2,229	2,167	1,579	1,004.3	679.9
MEAN	35.3	54.2	36.0	42.4	49.9	37.8	58.5	71.9	72.2	50.9	32.4	22.7
MAX	65	107	47	66	68	68	116	116	138	104	100	47
MIN	12	14	20	24	38	13	22	22	35	25	3.1	7.0
AC-FT	2,170	3,230	2,220	2,610	2,870	2,320	3,480	4,420	4,300	3,130	1,990	1,350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 2004, BY WATER YEAR (WY)

MEAN	75.3	89.6	109	129	139	149	153	253	471	251	90.6	67.9
MAX	585	704	854	1,669	905	949	1,344	1,262	2,255	1,604	922	357
(WY)	(1984)	(1983)	(1984)	(1997)	(1997)	(1983)	(1952)	(1969)	(1983)	(1995)	(1983)	(1983)
MIN	0.00	1.53	3.42	7.17	14.0	10.6	10.0	6.00	5.00	0.23	0.00	0.00
(WY)	(1932)	(1932)	(1993)	(1978)	(1930)	(1931)	(1924)	(1924)	(1924)	(1931)	(1924)	(1924)

10301500 WALKER RIVER NEAR WABUSKA, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1902 - 2004	
ANNUAL TOTAL	15,243.0		17,182.2			
ANNUAL MEAN	41.8		46.9		166	
HIGHEST ANNUAL MEAN					832	1983
LOWEST ANNUAL MEAN					12.9	1931
HIGHEST DAILY MEAN	141	Aug 23	138	Jun 17	2,740	Jun 6, 1986
LOWEST DAILY MEAN	5.4	Aug 12	3.1	Aug 28	0.00	Aug 1, 1924
ANNUAL SEVEN-DAY MINIMUM	6.8	Mar 8	9.9	Aug 26	0.00	Aug 1, 1924
MAXIMUM PEAK FLOW			145	Jun 17	3,280	Jul 10, 1906
MAXIMUM PEAK STAGE			5.14	Aug 17	10.92	Jan 6, 1997
ANNUAL RUNOFF (AC-FT)	30,230		34,080		119,900	
10 PERCENT EXCEEDS	81		81		378	
50 PERCENT EXCEEDS	36		44		68	
90 PERCENT EXCEEDS	14		21		16	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960 to June 1996; November 1996 to current year.

PERIOD OF DAILY RECORD.--
CHEMICAL ANALYSES: October 1968 to September 1969.
SPECIFIC CONDUCTANCE: October 1968 to September 1976, once-daily; May 1995 to June 1996, November 1996 to current year, four times per hour.
WATER TEMPERATURE: October 1968 to September 1976, once-daily; May 1995 to June 1996, November 1996 to current year, four times per hour.

INSTRUMENTATION.--Water quality monitor May 1995 to June 1996, November 1996 to current year, four times per hour.

REMARKS.--Inflow from two drainage ditches occasionally enters stream less than a mile above sampling site. Because inflow and streamflow differ in quality, and because the waters do not mix thoroughly above sampling site, flow at site is not homogenous either chemically or thermally when ditches discharge to the stream. Doubtless, this was responsible for some of the variation shown by daily specific-conductance and temperature data during water years 1969-76. Detailed sampling information is available from U.S. Geological Survey, Carson City, NV. Pesticide analyses prior to October 1981 from U.S. Environmental Protection Agency. Records represent water temperature at probe within 0.5°C.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 792 microsiemens, cm at 25°C, December 12, 1972; minimum daily, 116 microsiemens, cm at 25°C, July 23, 1998.
WATER TEMPERATURE: Maximum daily, 35.0°C, July 22, 2003; minimum daily, freezing point on many days during winter months of most years.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 518 microsiemens/cm at 25°C, March 13; minimum, 193 microsiemens/cm at 25°C, June 18.
WATER TEMPERATURE: Maximum, 34.0°C, August 11; minimum, 0.0°C, many days.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	298	270	281	376	359	370	434	425	429	441	431	437
2	298	273	286	368	343	354	435	420	430	441	427	435
3	285	272	280	343	318	328	430	419	424	450	434	442
4	293	282	288	343	333	339	435	422	429	466	443	459
5	290	282	288	344	334	338	432	415	424	474	466	470
6	283	276	279	370	343	358	434	421	427	479	473	476
7	340	282	300	404	369	389	440	430	434	478	452	469
8	312	304	307	421	401	407	441	426	432	452	422	438
9	320	307	313	411	400	405	443	434	439	427	408	421
10	315	281	300	403	397	400	440	429	435	413	392	404
11	285	276	281	405	399	402	441	432	437	407	392	399
12	280	272	276	408	400	404	440	421	428	406	394	401
13	282	271	277	446	401	411	436	428	432	414	399	409
14	300	280	290	432	411	416	433	418	427	418	407	413
15	293	284	288	416	404	409	434	411	423	423	413	417
16	315	292	305	410	407	408	431	410	419	431	421	426
17	345	313	327	409	399	406	444	423	433	430	420	426
18	358	343	350	412	400	409	462	431	447	424	419	421
19	358	344	352	410	394	406	450	423	438	421	413	416
20	348	340	344	412	401	408	433	422	428	416	402	410
21	370	346	361	416	407	413	434	423	429	403	393	398
22	352	343	346	423	414	417	436	424	429	404	395	399
23	383	348	359	427	415	423	444	431	436	401	393	399
24	392	374	384	436	420	427	446	438	443	406	393	400
25	398	377	392	439	429	433	446	439	443	406	398	402
26	415	365	397	439	422	431	442	434	439	400	393	396
27	365	310	334	440	422	432	469	442	457	400	391	396
28	310	296	302	427	418	423	483	469	476	409	399	404
29	329	297	317	422	415	418	496	468	485	410	406	408
30	345	327	339	430	412	417	473	440	462	411	406	409
31	370	344	357	---	---	---	440	430	433	414	406	410
MONTH	415	270	319	446	318	400	496	410	437	479	391	420

	FEBRUARY			MARCH			APRIL			MAY		
1	409	405	407	432	415	427	318	311	313	317	277	295
2	409	402	406	432	415	423	332	317	324	326	297	310
3	405	397	400	445	426	432	343	327	335	306	276	286
4	399	393	396	446	416	438	348	332	339	276	247	266
5	397	391	394	429	416	421	354	339	345	250	238	244
6	397	390	393	451	428	442	372	341	356	240	221	229
7	397	392	395	470	449	459	372	354	364	231	217	222
8	395	387	391	489	465	480	364	325	334	225	212	217
9	389	380	385	494	483	488	344	325	334	231	221	227
10	386	380	382	503	484	490	344	318	334	237	228	230
11	386	380	383	516	500	506	356	298	323	237	224	230
12	407	382	391	507	485	495	298	277	285	231	222	225
13	411	392	400	518	485	502	292	274	281	242	225	234
14	406	396	401	498	442	482	301	289	294	250	238	243
15	426	404	413	443	367	402	308	280	298	287	244	261
16	419	412	416	368	349	356	281	270	275	284	233	246
17	417	406	412	362	354	358	283	272	278	240	230	236
18	415	407	411	363	340	352	282	276	278	233	221	229
19	419	412	415	354	331	340	312	278	295	230	223	226
20	423	413	420	378	339	356	296	286	292	232	225	229
21	427	419	423	403	376	390	307	286	295	233	224	227
22	438	416	426	400	355	373	328	303	311	238	231	234
23	422	414	417	475	400	450	327	309	317	240	233	237
24	425	420	423	468	345	391	341	321	329	239	232	234
25	430	416	425	348	281	309	336	316	326	244	234	239
26	430	417	420	282	270	275	341	324	331	242	234	238
27	432	423	427	271	262	265	339	321	329	251	238	244
28	429	422	426	269	264	266	338	318	326	243	234	237
29	431	424	427	327	264	297	318	301	308	237	232	234
30	---	---	---	313	300	307	310	271	288	233	210	222
31	---	---	---	314	296	304	---	---	---	217	209	214
MONTH	438	380	408	518	262	396	372	270	315	326	209	240

	JUNE			JULY			AUGUST			SEPTEMBER		
1	219	215	217	232	227	229	291	274	284	374	348	365
2	236	213	217	249	226	234	276	263	271	357	338	351
3	228	212	216	248	238	242	274	260	267	338	326	330
4	229	216	225	253	238	246	272	265	269	329	308	323
5	235	225	230	248	241	245	270	260	265	309	290	300
6	233	217	223	255	241	245	278	265	272	299	287	292
7	228	218	222	242	238	240	278	267	273	293	284	288
8	220	212	217	248	236	241	270	261	266	307	286	295
9	220	206	213	261	242	252	281	267	273	305	286	298
10	215	206	211	273	254	265	310	278	287	313	282	295
11	216	208	211	277	267	273	364	304	317	315	291	298
12	234	213	222	280	269	275	328	301	314	312	290	300
13	237	228	233	283	266	274	340	281	315	304	291	297
14	260	231	245	273	261	267	281	259	267	295	284	291
15	254	226	247	267	256	261	260	252	255	294	284	288
16	233	210	218	266	255	261	275	243	251	292	284	288
17	215	199	208	273	262	267	322	262	291	308	290	299
18	209	193	198	273	265	269	348	315	332	334	291	312
19	207	196	202	298	246	261	393	346	370	346	334	339
20	218	202	209	299	247	262	372	346	362	34263(248)-3007(3)8(39)]TJT*[(2)8(0)JT*[(2		

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.5	15.0	19.0	12.5	3.5	6.5	5.5	0.0	2.5	3.0	0.0	1.5
2	23.0	13.5	18.0	5.5	1.0	3.5	6.5	0.5	3.0	2.5	0.0	0.5
3	22.5	13.0	17.5	7.5	3.5	5.0	7.0	1.5	3.5	2.0	0.0	0.5
4	22.0	14.0	17.5	7.5	2.5	4.5	4.5	0.5	2.5	0.0	0.0	0.0
5	21.0	14.0	17.5	9.0	4.5	6.0	7.0	3.0	4.5	0.0	0.0	0.0
6	22.0	13.0	17.0	7.0	2.5	5.0	8.0	4.0	6.0	0.5	0.0	0.0
7	23.5	13.0	17.5	8.0	3.5	5.0	8.5	4.0	6.0	3.0	0.0	0.5
8	23.0	11.5	16.5	7.0	3.5	5.0	6.0	1.5	3.5	2.5	0.0	0.5
9	21.5	11.0	16.0	8.0	4.5	6.0	4.0	0.0	1.5	1.0	0.0	0.0
10	18.0	9.0	13.0	8.5	4.0	6.0	5.0	0.5	2.5	2.5	0.0	0.5
11	17.0	7.5	12.0	8.5	3.0	5.5	5.5	1.5	3.0	3.5	0.0	1.0
12	17.0	9.0	12.5	8.5	2.5	5.5	3.5	0.0	1.5	4.0	0.0	1.0
13	16.0	8.5	12.0	10.0	5.5	7.0	7.0	1.5	3.5	4.5	0.0	1.5
14	16.5	7.0	11.5	9.0	3.5	6.0	5.5	1.0	3.0	4.5	0.0	1.5
15	14.5	7.5	11.5	6.0	4.5	5.5	4.0	0.0	1.0	5.0	0.0	1.5
16	17.5	7.5	12.0	8.5	3.5	5.5	3.0	0.0	0.5	4.5	0.0	1.5
17	19.0	7.5	13.0	11.0	5.5	7.5	3.5	0.0	0.5	5.0	0.0	1.5
18	19.0	8.0	12.5	10.0	4.0	6.5	3.5	0.0	0.5	4.5	0.0	1.5
19	18.0	9.0	13.5	10.0	4.0	6.5	2.0	0.0	0.5	5.0	0.0	1.5
20	20.0	8.0	13.5	10.0	5.0	7.0	3.0	0.0	1.5	3.5	1.0	2.0
21	21.0	8.0	13.5	7.0	3.0	5.0	6.5	1.5	3.0	4.0	0.0	1.0
22	19.0	8.5	13.5	5.5	1.0	2.5	4.0	0.5	2.0	3.5	0.0	0.5
23	19.0	9.5	13.5	3.5	0.0	1.0	4.5	0.5	2.0	2.5	0.0	0.5
24	17.0	6.0	11.0	3.5	0.0	1.0	3.0	1.0	2.0	5.5	0.0	2.0
25	16.5	5.0	10.0	5.0	0.0	1.5	3.5	1.0	2.5	5.0	0.0	2.0
26	17.5	4.5	10.0	5.0	0.0	1.5	3.5	0.0	0.5	2.0	0.0	0.5
27	15.5	6.0	10.5	3.5	0.0	1.5	1.0	0.0	0.0	2.0	0.0	0.5
28	15.5	7.5	11.0	4.5	1.5	3.0	0.5	0.0	0.0	4.5	0.0	1.5
29	15.5	8.0	11.0	5.5	2.5	4.0	1.5	0.0	0.5	6.5	0.0	3.0
30	11.5	5.0	7.5	4.5	2.0	3.5	4.0	0.0	1.0	5.0	1.0	3.0
31	8.5	3.0	5.5	---	---	---	1.5	0.0	0.5	7.0	1.5	3.5
MONTH	24.5	3.0	13.2	12.5	0.0	4.7	8.5	0.0	2.1	7.0	0.0	1.2
		FEBRUARY			MARCH			APRIL			MAY	
1	6.5	0.5	3.0	9.5	4.0	6.0	15.5	8.5	11.0	25.0	10.0	16.5
2	5.0	2.0	3.5	9.0	3.5	5.5	16.5	6.0	11.0	28.0	11.5	19.0
3	4.5	0.0	2.0	10.5	2.0	6.0	20.5	7.5	13.5	28.5	13.5	20.0
4	6.0	1.0	3.0	12.0	2.5	7.0	22.5	11.0	16.0	25.5	14.0	19.5
5	5.5	0.0	2.0	12.5	3.5	8.0	24.0	10.5	16.0	23.5	14.5	18.5
6	4.0	0.0	1.5	16.5	4.5	9.5	22.5	9.5	15.0	23.0	14.5	18.0
7	7.0	0.0	3.0	17.0	4.5	10.0	21.5	8.0	14.0	21.5	13.0	17.0
8	6.5	0.0	2.5	18.5	4.5	11.0	22.0	9.0	14.5	22.0	13.5	17.5
9	6.5	1.0	3.0	19.5	5.5	12.0	23.0	8.0	14.5	23.5	14.0	18.5
10	6.0	0.0	2.5	19.5	7.0	12.0	22.0	7.5	14.0	20.0	12.5	16.5
11	6.5	0.0	2.5	19.5	4.5	11.0	22.5	7.0	14.0	18.0	12.5	15.0
12	6.5	0.0	2.5	19.5	4.5	11.0	20.0	9.5	14.5	21.0	10.5	15.5
13	3.5	0.0	1.5	21.0	4.0	11.5	19.0	10.5	14.0	23.5	12.5	17.5
14	7.0	0.0	2.5	21.5	5.0	12.0	19.5	9.0	13.5	24.5	13.5	18.5
15	8.0	1.5	4.5	19.5	7.5	13.0	15.0	7.5	11.5	23.0	14.5	18.0
16	8.0	4.5	6.5	18.0	7.5	12.5	13.5	6.5	10.5	24.0	13.5	18.5
17	10.5	4.0	7.0	19.5	7.0	13.0	13.5	8.0	10.5	23.5	14.0	18.5
18	8.0	5.0	6.5	19.0	7.5	13.0	17.5	5.5	11.0	21.5	12.5	17.0
19	10.0	2.0	5.5	19.0	9.5	13.5	19.0	8.0	13.0	23.0	14.0	18.0
20	9.0	3.5	6.0	21.5	8.0	14.0	13.5	10.0	11.5	22.5	14.5	17.5
21	9.0	4.0	6.0	23.0	8.5	15.0	17.0	9.0	12.5	21.5	13.5	17.0
22	9.5	4.5	7.0	22.5	10.5	15.5	18.0	9.0	13.0	23.0	14.0	18.0
23	10.5	5.0	7.0	24.5	8.0	15.0	20.0	9.0	14.0	22.0	14.0	17.5
24	11.0	4.0	6.5	21.0	7.0	13.0	22.0	9.5	15.5	21.5	13.5	17.5
25	6.5	4.5	5.5	16.0	7.5	11.5	22.5	11.0	16.5	22.0	14.0	18.0
26	10.0	2.5	6.0	14.5	5.5	9.5	23.5	12.0	17.5	23.5	13.5	18.5
27	8.5	3.5	5.5	16.5	6.5	11.0	23.5	13.0	18.0	22.0	16.5	19.0
28	8.0	3.0	5.0	17.0	7.0	12.0	19.0	12.0	15.5	22.5	15.5	18.5
29	10.5	2.0	6.0	21.0	7.0	13.5	19.5	8.5	13.5	23.5	14.0	18.5
30	---	---	---	18.5	11.0	14.0	19.5	10.5	14.5	24.5	14.0	19.0
31	---	---	---	19.0	10.0	14.0	---	---	---	24.0	16.0	19.5
MONTH	11.0	0.0	4.3	24.5	2.0	11.5	24.0	5.5	13.8	28.5	10.0	17.9

10301500 WALKER RIVER NEAR WABUSKA, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.0	16.0	20.5	28.0	17.5	22.0	31.5	17.5	23.5	28.0	17.0	21.5
2	27.0	17.0	21.5	28.5	18.0	23.0	30.5	18.0	23.5	27.0	16.5	20.5
3	25.5	18.0	21.5	27.0	19.0	22.5	30.0	16.0	22.5	23.0	13.0	17.0
4	27.0	16.5	21.5	29.0	19.0	23.5	28.5	18.0	22.5	24.0	12.0	17.5
5	27.0	17.0	21.5	29.0	20.0	24.5	28.5	17.0	22.0	24.0	13.5	18.5
6	26.5	16.0	21.0	29.5	21.0	24.5	29.5	17.5	22.5	25.0	15.0	19.5
7	25.5	16.0	20.0	28.5	20.0	24.0	28.5	16.5	22.0	26.0	16.0	20.5
8	23.0	14.0	17.5	28.0	19.0	23.5	31.0	16.5	23.5	28.5	16.0	21.0
9	18.0	13.5	15.5	29.0	20.5	24.0	32.0	17.5	24.0	26.5	14.5	20.0
10	23.0	13.5	17.5	30.0	18.0	23.5	33.0	17.0	24.5	28.0	15.0	20.5
11	24.0	14.5	19.0	30.5	17.0	23.5	34.0	17.5	25.0	27.0	15.5	20.5
12	25.5	15.5	20.5	31.5	18.0	24.5	32.0	18.5	24.0	24.5	16.5	20.0
13	27.5	16.5	21.5	31.0	19.0	24.5	27.5	20.0	23.0	25.0	14.5	19.0
14	27.5	17.0	21.5	30.5	19.5	24.5	29.5	18.0	23.0	23.5	13.5	17.5
15	26.5	16.0	21.0	30.0	18.5	24.0	25.5	20.0	21.5	24.5	11.0	17.0
16	25.5	17.5	21.0	30.0	20.0	25.0	21.0	18.5	20.0	25.5	12.5	18.5
17	25.5	18.0	21.0	30.0	21.5	25.0	23.5	17.5	20.5	25.5	12.5	18.0
18	26.0	17.5	21.0	31.0	20.0	24.5	25.5	18.5	21.5	17.0	12.0	14.5
19	27.5	18.0	22.5	29.5	20.5	24.5	27.0	19.0	22.5	17.0	10.0	12.5
20	27.5	17.5	22.5	29.5	20.0	24.5	27.5	18.5	22.0	17.5	8.0	12.0
21	27.5	18.0	22.5	30.5	20.5	24.5	26.5	18.0	21.5	22.0	5.5	12.5
22	28.0	17.0	22.0	32.0	19.5	25.0	22.0	18.0	19.5	21.5	7.5	13.5
23	28.5	18.0	22.5	31.0	20.5	25.5	23.0	16.0	19.0	23.0	9.5	15.5
24	27.5	18.0	22.0	31.5	21.0	26.0	26.0	17.0	21.0	24.0	11.0	17.0
25	28.5	17.0	22.5	31.5	20.5	25.5	26.5	16.5	21.0	24.0	11.5	17.5
26	27.5	18.0	22.5	31.0	20.5	25.0	24.5	14.0	19.0	24.0	12.0	17.5
27	28.0	19.0	23.0	30.5	19.5	24.5	28.5	12.5	19.5	24.0	10.5	16.5
28	26.5	19.5	22.5	32.0	19.5	25.5	28.5	13.5	20.0	23.5	12.0	17.0
29	28.0	18.0	22.5	31.0	20.0	24.5	30.0	13.5	21.0	22.5	12.0	17.0
30	28.0	17.5	22.5	31.0	18.0	23.5	30.5	15.0	22.0	22.0	12.0	16.5
31	---	---	---	32.0	18.0	24.0	30.5	16.5	22.5	---	---	---
MONTH	28.5	13.5	21.1	32.0	17.0	24.3	34.0	12.5	21.9	28.5	5.5	17.6
YEAR	34.0	0.0	12.8									

WALKER RIVER BASIN, WALKER RIVER BASIN

10301600 WALKER RIVER ABOVE WEBER RESERVOIR NEAR SCHURZ, NV

LOCATION.--Lat 39°06'12", long 118°55'42" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec. 02, T.14 N., R.27 E., Lyon County, Hydrologic Unit 16050303, on left bank, 5.5 mi upstream from Weber Dam, about 11 mi downstream from gage near Wabuska, and 12 mi northwest of Schurz.

DRAINAGE AREA.--2,700 mi^2.

PERIOD OF RECORD.--June 1977 to September 1982, June 1994 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,215 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to September 1982, at same site at datum 1.0 ft higher.

REMARKS.--No estimated daily discharges. Records fair. Many diversions for irrigation above station. Flow regulated by Bridgeport Reservoir (station 10292500) and Topaz Lake (station 10297000), combined capacity, 101,900 acre-ft. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 2,000 ft^3/s, July 5, 1980, gage height, unknown; maximum gage height, 10.37 ft, January 8, 1997 (different datum); no flow July 16-18, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 78 ft^3/s, June 19, gage height, 6.23 ft; minimum daily discharge, 3.5 ft^3/s, September 1, 22.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	16	42	38	36	42	43	60	66	29	16	3.5
2	30	15	40	32	36	45	41	43	63	29	12	6.8
3	25	31	35	33	37	39	37	35	65	38	16	12
4	27	52	34	23	38	32	34	34	65	50	21	15
5	29	56	36	17	38	24	31	39	55	53	26	20
6	27	53	37	15	37	25	29	50	45	55	31	23
7	26	49	37	17	39	24	26	59	38	55	27	25
8	22	48	36	25	39	21	23	67	37	58	23	25
9	18	49	36	36	41	19	23	71	43	59	20	21
10	18	48	33	41	44	22	21	64	50	42	16	18
11	23	49	33	41	46	28	20	67	52	23	14	17
12	29	47	32	40	44	29	21	68	53	13	12	14
13	34	46	34	37	40	27	26	68	48	11	9.4	13
14	38	46	32	33	39	25	27	64	41	18	7.6	12
15	34	47	33	32	39	26	25	59	31	25	15	11
16	30	47	31	30	36	32	27	56	28	31	41	11
17	23	44	33	28	36	42	36	58	56	35	55	11
18	18	42	27	30	39	41	37	63	71	36	65	9.8
19	13	42	24	32	40	39	39	71	76	30	59	8.5
20	10	42	34	33	37	39	39	72	65	28	51	6.5
21	9.2	40	37	32	39	38	50	71	51	39	46	4.4
22	9.9	40	34	32	38	34	56	75	38	42	43	3.5
23	10	38	33	30	37	33	60	72	30	26	43	4.2
24	13	40	31	38	37	29	55	74	35	23	46	7.7
25	13	41	28	40	42	26	49	73	37	21	40	9.6
26	14	37	27	35	42	34	48	68	40	20	32	11
27	14	36	21	41	39	38	49	66	45	26	22	11
28	16	41	15	37	38	41	47	62	54	28	12	11
29	20	43	14	37	40	42	48	60	58	20	7.6	12
30	19	43	16	36	---	37	52	57	46	22	4.3	14
31	18	---	28	36	---	43	---	61	---	22	3.7	---
TOTAL	668.1	1,268	963	1,007	1,133	1,016	1,119	1,907	1,482	1,007	836.6	371.5
MEAN	21.6	42.3	31.1	32.5	39.1	32.8	37.3	61.5	49.4	32.5	27.0	12.4
MAX	38	56	42	41	46	45	60	75	76	59	65	25
MIN	9.2	15	14	15	36	19	20	34	28	11	3.7	3.5
AC-FT	1,330	2,520	1,910	2,000	2,250	2,020	2,220	3,780	2,940	2,000	1,660	737

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	42.0	66.2	71.5	152	163	138	143	338	399	246	76.6	60.2
MAX	149	206	182	1,146	722	387	563	864	1,017	1,155	260	236
(WY)	(1981)	(1999)	(1996)	(1997)	(1997)	(1996)	(1982)	(1997)	(1995)	(1995)	(1980)	(1980)
MIN	3.39	0.03	3.97	6.12	20.0	9.87	16.5	32.0	18.3	20.6	14.6	12.4
(WY)	(1978)	(1978)	(1978)	(1978)	(1978)	(2002)	(2002)	(2003)	(2002)	(1977)	(2002)	(2004)

10301600 WALKER RIVER ABOVE WEBER RESERVOIR NEAR SCHURZ, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	10,861.1		12,778.2			
ANNUAL MEAN	29.8		34.9		163	
HIGHEST ANNUAL MEAN					374	1997
LOWEST ANNUAL MEAN					18.5	2002
HIGHEST DAILY MEAN	109	Jun 2	76	Jun 19	1,900	Jul 5, 1980
LOWEST DAILY MEAN	1.1	Aug 13	3.5	Sep 1	0.00	Jul 16, 1977
ANNUAL SEVEN-DAY MINIMUM	4.6	Aug 10	6.3	Sep 19	0.00	Oct 14, 1994
MAXIMUM PEAK FLOW			78	Jun 19	2,000	Jul 5, 1980
MAXIMUM PEAK STAGE			6.28	Nov 5	10.37	Jan 8, 1997
ANNUAL RUNOFF (AC-FT)	21,540		25,350		118,400	
10 PERCENT EXCEEDS	54		58		492	
50 PERCENT EXCEEDS	26		36		58	
90 PERCENT EXCEEDS	12		13		14	

WALKER RIVER BASIN, WALKER RIVER BASIN

10301700 WEBER RESERVOIR NEAR SCHURZ, NV

LOCATION.--Lat 39°02'41", long 118°51'33" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec. 28, T.14 N., R.28 E., Mineral County, Hydrologic Unit 16050303, approximately 8 mi above Schurz.

DRAINAGE AREA.--2,770 mi^2.

PERIOD OF RECORD.--April 1995 to June 1996; November 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,221 ft above National Geodetic Vertical Datum of 1929 (project datum Bureau of Indian Affairs).

REMARKS.--Reservoir is formed by earth and gravel-fill dam, constructed by Bureau of Indian Affairs (formerly U. S. Indian Service). Construction started September 21, 1933. Storage began July 27, 1934, although it was nearly a year later before the dam was completely finished. Capacity 10,700 acre-ft, with a surface area at 900 acres, determined from Bathymetric Survey by U. S. Geological Survey in 1973. Many diversions for irrigation above reservoir. Flow regulated by Bridgeport Reservoir (station 10292500) and Topaz Lake (station 10297000), combined capacity, 101,900 acre-ft. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 10,600 acre-ft, June 5, 1999, elevation, 4207.93 ft; minimum, 53 acre-ft, August 12, 2000, elevation 4182.05.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 6,180 acre-ft, January 14, 15, gage height, 4,202.31 ft; minimum contents, 771 acre-ft, September 18, gage height, 4,189.47 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

4,181	0	4,200	4,750
4,185	250	4,205	8,200
4,190	850	4,208	10,700
4,195	2,100		

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,920	2,090	4,570	5,620	5,990	5,410	5,260	5,390	4,870	3,730	2,400	1,650
2	3,990	2,050	4,650	5,680	5,970	5,530	5,350	5,470	4,830	3,730	2,410	1,570
3	4,030	2,020	4,720	5,730	5,950	5,620	5,420	5,510	4,770	3,670	2,420	1,460
4	4,070	2,040	4,760	5,770	5,930	5,700	5,500	5,400	4,740	3,610	2,420	1,390
5	4,130	2,120	4,810	5,790	5,910	5,740	5,560	5,290	4,680	3,560	2,430	1,350
6	4,060	2,220	4,840	5,820	5,920	5,790	5,590	5,180	4,610	3,510	2,440	1,310
7	3,950	2,310	4,860	5,840	5,880	5,840	5,620	5,090	4,530	3,440	2,470	1,300
8	3,850	2,390	4,860	5,880	5,880	5,880	5,650	5,060	4,500	3,400	2,490	1,290
9	3,710	2,500	4,850	5,930	5,870	5,920	5,670	5,060	4,430	3,360	2,510	1,270
10	3,570	2,620	4,870	6,010	5,870	5,880	5,700	5,010	4,230	3,300	2,530	1,240
11	3,430	2,750	4,870	6,090	5,810	5,720	5,720	4,990	3,940	3,230	2,540	1,200
12	3,310	2,870	4,860	6,150	5,650	5,530	5,750	4,940	3,680	3,120	2,540	1,200
13	3,210	2,980	4,860	6,170	5,460	5,280	5,770	4,880	3,480	2,990	2,540	1,150
14	3,130	3,080	4,870	6,180	5,270	5,060	5,790	4,840	3,310	2,860	2,530	1,050
15	3,040	3,180	4,870	6,160	5,100	4,850	5,840	4,810	3,190	2,730	2,580	962
16	2,970	3,290	4,900	6,140	4,990	4,650	5,880	4,780	3,170	2,590	2,590	886
17	2,890	3,390	4,950	6,110	4,930	4,600	5,950	4,720	3,180	2,490	2,670	799
18	2,820	3,490	5,000	6,080	4,860	4,650	6,050	4,690	3,250	2,440	2,790	785
19	2,730	3,580	5,040	6,060	4,780	4,690	5,870	4,670	3,320	2,400	2,920	802
20	2,650	3,690	5,090	6,030	4,690	4,740	5,550	4,680	3,370	2,370	2,890	817
21	2,560	3,770	5,160	6,010	4,720	4,780	5,150	4,700	3,370	2,340	2,790	829
22	2,490	3,860	5,220	5,990	4,790	4,820	4,920	4,720	3,390	2,330	2,680	840
23	2,440	3,940	5,250	6,000	4,870	4,850	4,810	4,730	3,390	2,340	2,580	844
24	2,390	4,020	5,320	6,010	4,930	4,860	4,910	4,730	3,390	2,330	2,480	850
25	2,340	4,100	5,380	6,040	5,000	4,890	4,990	4,720	3,390	2,330	2,410	862
26	2,300	4,180	5,420	6,050	5,090	4,890	5,050	4,710	3,390	2,320	2,330	877
27	2,250	4,260	5,450	6,090	5,160	4,930	5,120	4,680	3,400	2,300	2,220	894
28	2,200	4,320	5,480	6,090	5,220	4,990	5,170	4,660	3,460	2,310	2,110	906
29	2,160	4,410	5,500	6,080	5,290	5,050	5,210	4,720	3,550	2,340	1,990	919
30	2,140	4,490	5,520	6,050	---	5,110	5,280	4,800	3,650	2,360	1,870	934
31	2,130	---	5,560	6,020	---	5,170	---	4,880	---	2,390	1,740	---
MAX	4,130	4,490	5,560	6,180	5,990	5,920	6,050	5,510	4,870	3,730	2,920	1,650
MIN	2,130	2,020	4,570	5,620	4,690	4,600	4,810	4,660	3,170	2,300	1,740	785
#	4,195.07	4,199.53	4,201.40	4,202.09	4,200.99	4,200.77	4,200.97	4,200.23	4,198.08	4,195.72	4,193.97	4,190.56
##	-1,720	+2,360	+1,070	+460	-730	-120	+110	-400	-1230	-1,260	-650	-806

CAL YR 2003	MAX	5,560	MIN	78,140	##	+3,860
WTR YR 2004	MAX	6,180	MIN	785	##	-292

Elevation, in feet above NGVD 1929, at end of month, present datum.
Change in contents, in acre-feet.

WALKER RIVER BASIN, WALKER RIVER BASIN

10301742 CANAL NO 2 ABOVE LITTLE DAM NEAR SCHURZ, NV

LOCATION.--Lat 39°00'51", long 118°51'36" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec. 04, T.13 N., R.28 E., Mineral County, Hydrologic Unit 16050303, on right bank of canal, about 2 mi downstream from Weber Dam, and about 5 mi northwest of Schurz.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1995 to June 1996, November 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by control gate on Walker River and many diversions above station. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 89 ft^3/s, April 26, 1997; no flow many days, most years.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.22	0.67	0.01	0.00	0.00	0.00	0.18	0.00	27	0.63	0.27	36
2	0.21	0.64	0.00	0.00	0.00	0.00	0.19	0.00	45	0.51	0.09	34
3	0.15	0.47	0.00	0.00	0.00	0.00	0.20	0.00	45	16	0.08	36
4	0.14	0.32	0.00	e0.00	0.00	0.00	0.20	25	45	26	0.03	37
5	0.14	0.28	0.00	0.00	0.00	0.00	0.15	35	46	27	0.04	29
6	17	0.27	0.00	0.00	0.00	0.04	0.09	39	47	32	0.25	27
7	30	0.28	0.00	0.00	0.00	0.04	0.10	41	51	e38	0.15	27
8	23	0.31	0.00	0.00	0.00	0.02	0.07	41	40	e38	0.05	26
9	22	0.27	0.00	0.00	0.01	0.01	0.04	40	38	35	0.05	27
10	24	0.19	0.00	0.00	0.00	0.01	0.05	39	42	36	0.00	29
11	24	0.00	0.00	0.00	0.00	0.02	0.11	46	43	38	0.00	29
12	29	0.01	0.00	0.00	0.00	0.04	0.09	50	43	41	0.00	15
13	31	0.00	0.00	0.00	0.00	0.03	0.06	49	42	43	0.00	3.9
14	29	0.00	0.00	0.00	0.00	0.00	0.06	45	37	43	0.00	0.25
15	28	0.02	0.00	0.00	0.00	0.00	0.06	38	35	42	0.01	0.21
16	28	0.02	0.00	0.00	0.00	0.03	0.04	36	35	42	0.04	0.16
17	28	0.05	0.00	0.00	0.00	0.04	0.03	39	34	38	0.03	0.17
18	28	0.07	0.00	0.00	0.00	0.06	0.02	41	23	37	0.00	0.16
19	28	0.06	0.00	0.00	0.00	0.06	0.05	41	0.30	30	0.01	0.14
20	24	0.06	0.00	0.00	0.00	0.05	0.10	39	0.11	30	22	0.14
21	24	0.06	0.00	0.00	0.00	0.04	0.10	37	0.06	26	35	0.01
22	29	0.04	0.00	0.00	0.00	0.06	0.10	32	0.08	27	35	0.00
23	36	0.02	0.00	0.00	0.00	0.07	0.08	31	0.06	25	35	0.00
24	38	0.01	0.00	0.00	0.00	0.18	0.05	31	0.02	23	35	0.00
25	38	0.01	0.00	0.00	0.01	0.22	0.01	33	0.05	26	35	0.00
26	38	0.05	0.00	0.00	0.00	0.30	0.04	34	0.23	26	35	0.00
27	38	0.03	0.00	0.00	0.00	0.41	0.03	33	0.15	25	36	0.00
28	30	0.04	0.00	0.01	0.00	0.36	0.02	33	0.05	21	35	0.00
29	24	0.06	0.00	0.00	0.00	0.54	0.02	16	0.09	4.4	35	0.00
30	6.7	0.05	0.00	0.00	---	0.46	0.00	0.32	0.43	0.18	35	0.00
31	0.66	---	0.00	0.00	---	0.24	---	0.14	---	0.54	36	---
TOTAL	696.22	4.36	0.01	0.01	0.02	3.33	2.34	964.46	719.63	837.26	410.10	357.14
MEAN	22.5	0.15	0.00	0.00	0.00	0.11	0.08	31.1	24.0	27.0	13.2	11.9
MAX	38	0.67	0.01	0.01	0.01	0.54	0.20	50	51	43	36	37
MIN	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.18	0.00	0.00
AC-FT	1,380	8.6	0.02	0.02	0.04	6.6	4.6	1,910	1,430	1,660	813	708

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	16.4	1.03	0.16	0.03	0.03	0.04	11.2	34.6	30.4	32.6	26.9	22.5
MAX	22.5	3.40	0.63	0.13	0.17	0.13	30.7	47.1	45.7	52.7	54.3	45.9
(WY)	(2004)	(1998)	(2000)	(2000)	(2000)	(2000)	(1996)	(1999)	(1999)	(1998)	(1998)	(1998)
MIN	7.35	0.00	0.00	0.00	0.00	0.00	0.08	23.3	20.2	14.3	6.79	0.85
(WY)	(2001)	(2002)	(1996)	(1996)	(2001)	(2001)	(2004)	(2003)	(2002)	(2001)	(2001)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1995 - 2004	
ANNUAL TOTAL	3,847.53		3,994.88			
ANNUAL MEAN	10.5		10.9		13.0	
HIGHEST ANNUAL MEAN					21.0	1998
LOWEST ANNUAL MEAN					7.61	2002
HIGHEST DAILY MEAN	57	Jul 2	51	Jun 7	89	Apr 26, 1997
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Nov 11	0.00	Nov 22, 1995
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Dec 2	0.00	Nov 22, 1995
ANNUAL RUNOFF (AC-FT)	7,630		7,920		9,440	
10 PERCENT EXCEEDS	35		38		42	
50 PERCENT EXCEEDS	0.08		0.08		0.22	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

WALKER RIVER BASIN, WALKER RIVER BASIN

10301755 CANAL NO 1 BELOW LITTLE DAM NEAR SCHURZ, NV

LOCATION.--Lat 39°00'45", long 118°51'37" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec. 04, T.13 N., R.28 E., Mineral County, Hydrologic Unit 16050303, on left bank of canal which diverts from the right bank of river, about 2 mi downstream from Weber Dam, and about 5 mi northwest of Schurz.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1995 to June 1996, November 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for daily discharges below 0.10 cfs, which are poor. Flow regulated by control gate on Walker River. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 55 ft^3/s, July 15, 1998, no flow many days, most years.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.02	0.27	0.01	0.01	0.00	0.00	0.00	0.00	19	0.03	0.01	33
2	0.03	0.26	0.01	0.01	0.00	0.00	0.00	0.00	34	14	0.00	27
3	0.03	0.26	0.01	0.01	0.00	0.00	0.00	0.99	34	36	0.01	25
4	0.03	0.26	0.01	0.01	0.00	0.00	0.00	20	34	35	0.01	8.2
5	0.03	0.25	0.01	0.01	0.00	0.00	0.00	39	35	35	0.01	0.07
6	19	0.26	0.01	0.00	0.00	0.00	0.00	39	32	33	0.01	0.05
7	34	0.25	0.02	0.00	0.00	0.00	0.00	41	22	33	0.00	0.04
8	35	0.24	0.03	0.00	0.00	0.00	0.01	41	11	32	0.03	0.05
9	35	0.24	0.03	0.00	0.00	0.00	0.00	43	9.4	32	0.03	0.04
10	37	0.13	0.02	0.00	0.00	0.00	0.00	45	0.12	33	0.02	0.03
11	38	0.01	0.01	0.00	0.00	0.00	0.01	47	0.05	33	0.01	0.03
12	38	0.01	0.01	0.00	0.00	0.00	0.00	49	0.05	34	0.01	0.04
13	37	0.02	0.01	0.00	0.00	0.00	0.00	48	0.05	34	0.00	0.05
14	37	0.02	0.02	0.00	0.00	0.00	0.00	41	0.05	33	0.00	0.05
15	38	0.02	0.03	0.00	0.00	0.00	0.00	33	0.04	33	0.01	0.05
16	38	0.01	0.03	0.00	0.00	0.00	0.00	31	0.05	33	0.02	0.05
17	38	0.01	0.03	0.00	0.00	0.00	0.00	27	0.03	33	0.01	0.05
18	31	0.02	0.03	0.00	0.00	0.00	0.00	24	0.02	25	0.02	0.04
19	26	0.02	0.02	0.00	0.00	0.01	0.00	23	0.03	21	0.03	0.03
20	20	0.02	0.01	0.00	0.00	0.03	0.00	22	0.03	16	17	0.03
21	20	0.02	0.02	0.00	0.00	0.03	0.00	22	0.03	14	37	0.03
22	5.9	0.01	0.02	0.00	0.00	0.05	0.00	26	0.03	6.8	38	0.03
23	0.72	0.00	0.01	0.00	0.00	0.05	0.00	27	0.02	0.10	38	0.03
24	0.65	0.00	0.01	0.00	0.00	0.05	0.00	34	0.01	0.08	38	0.02
25	0.55	0.01	0.02	0.00	0.00	0.03	0.00	38	0.01	0.06	37	0.01
26	0.50	0.01	0.01	0.00	0.00	0.03	0.00	37	0.01	0.06	37	0.01
27	0.43	0.01	0.02	0.00	0.00	0.02	0.00	37	0.02	0.03	36	0.00
28	8.2	0.01	0.02	0.00	0.00	0.02	0.00	37	0.02	0.02	36	0.00
29	11	0.01	0.02	0.00	0.00	0.01	0.00	17	0.02	0.00	36	0.00
30	3.0	0.01	0.02	0.00	---	0.01	0.00	0.08	0.02	0.00	36	0.00
31	0.29	---	0.01	0.00	---	0.01	---	0.09	---	0.01	36	---
TOTAL	552.38	2.67	0.54	0.05	0.00	0.35	0.02	889.16	231.11	599.19	422.24	94.03
MEAN	17.8	0.09	0.02	0.00	0.00	0.01	0.00	28.7	7.70	19.3	13.6	3.13
MAX	38	0.27	0.03	0.01	0.00	0.05	0.01	49	35	36	38	33
MIN	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
AC-FT	1,100	5.3	1.1	0.1	0.00	0.7	0.04	1,760	458	1,190	838	187

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	7.15	0.22	0.69	0.26	0.00	0.01	7.26	21.7	18.1	21.7	17.9	12.8
MAX	17.8	1.40	5.81	2.26	0.01	0.02	15.1	32.4	29.3	33.7	30.9	25.5
(WY)	(2004)	(2000)	(1997)	(1997)	(2000)	(2000)	(1996)	(1997)	(1996)	(1998)	(1998)	(1997)
MIN	0.07	0.00	0.00	0.00	0.00	0.00	0.00	10.9	7.70	10.6	4.22	1.64
(WY)	(2003)	(2002)	(1996)	(2001)	(1997)	(1997)	(2004)	(2003)	(2004)	(2002)	(2001)	(2003)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1995 - 2004	
ANNUAL TOTAL	2,637.64		2,791.74			
ANNUAL MEAN	7.23		7.63		7.91	
HIGHEST ANNUAL MEAN					11.4	1999
LOWEST ANNUAL MEAN					5.71	2003
HIGHEST DAILY MEAN	45	Jul 13	49	May 12	55	Jul 15, 1998
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Nov 23	0.00	Nov 21, 1995
ANNUAL SEVEN-DAY MINIMUM	0.00	Feb 5	0.00	Jan 6	0.00	Nov 21, 1995
ANNUAL RUNOFF (AC-FT)	5,230		5,540		5,730	
10 PERCENT EXCEEDS	29		35		32	
50 PERCENT EXCEEDS	0.03		0.02		0.05	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

10302002 WALKER RIVER AT LATERAL 2-A SIPHON NEAR SCHURZ, NV

LOCATION.--Lat 38°56'25", long 118°48'10" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec. 36, T.13 N., R.28 E., Mineral County, Hydrologic Unit 16050303, on left bank, 0.4 mi east of U.S. Highway 95 and U.S. Alternate Highway 95 Junction, and 0.9 mi southeast of U.S. Highway 95 Highway Bridge in Schurz.

DRAINAGE AREA.--Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,140 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation above station. Flow regulated by Bridgeport Reservoir (station 10292500), Topaz Lake (station 10297000), and Weber Reservoir (station 10301700), combined capacity, 112,600 acre-ft. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,400 ft^3/s, January 9, 1997, gage height, 7.39 ft, maximum gage height, 7.82 ft, July 16, 1995; no flow many days, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 232 ft^3/s, April 21, gage height, 4.12 ft; minimum daily discharge, 0.00 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	11	0.00	0.00	42	2.1	0.47	1.1	0.00	3.2	0.00	0.00
2	0.00	21	0.00	0.00	42	2.6	0.43	0.56	0.00	2.2	0.00	0.00
3	0.00	24	0.00	0.00	42	2.3	0.37	0.49	0.00	1.3	0.00	0.00
4	0.00	23	0.00	0.00	42	1.7	0.10	0.55	0.00	0.73	0.00	0.00
5	0.00	24	0.00	0.00	41	1.6	0.00	0.21	0.00	0.49	0.00	0.00
6	0.00	19	0.00	0.00	37	1.1	0.00	0.00	0.00	0.54	0.00	0.00
7	0.00	13	1.3	0.00	37	0.69	0.00	0.00	0.15	1.0	0.00	0.00
8	0.00	11	9.1	0.00	36	0.59	0.00	0.00	1.2	0.63	0.00	0.00
9	0.00	6.9	17	0.00	36	0.52	0.00	0.00	1.1	0.48	0.00	0.00
10	0.00	6.0	23	0.00	36	0.49	0.00	0.00	11	0.56	0.00	0.00
11	0.00	4.4	25	0.00	38	44	0.00	0.00	91	0.48	0.00	0.00
12	0.00	1.5	25	0.00	93	87	0.00	0.00	123	0.40	0.00	0.00
13	0.00	0.57	26	0.00	127	126	0.00	0.00	107	0.11	0.00	0.00
14	0.00	0.49	26	e8.5	127	133	0.00	0.00	87	0.00	0.00	0.00
15	0.00	0.43	26	e19	129	128	0.00	0.00	74	0.00	0.00	26
16	0.00	0.25	25	27	128	123	0.00	0.00	49	0.00	0.00	44
17	0.00	0.00	13	30	67	109	0.00	0.00	19	0.00	0.00	48
18	0.00	0.00	e3.9	32	69	28	0.00	0.00	8.8	0.08	0.00	51
19	0.00	0.00	e1.8	33	78	14	0.43	0.00	8.9	0.09	0.00	21
20	0.00	0.00	0.58	34	78	9.3	130	0.00	30	0.68	0.00	5.5
21	0.00	0.00	0.50	33	73	7.0	224	0.00	38	0.72	0.00	2.5
22	0.00	0.00	0.41	33	22	5.8	196	0.00	37	0.49	0.00	0.74
23	0.00	0.00	0.27	e29	11	4.7	165	0.00	27	0.41	0.00	0.50
24	0.00	0.00	0.01	23	7.8	3.7	65	0.00	24	0.25	0.00	0.27
25	0.00	0.00	0.00	22	6.4	3.0	17	0.00	23	0.00	0.00	0.00
26	0.00	0.00	0.00	22	4.9	2.5	10	0.00	22	0.00	0.00	0.00
27	0.00	0.00	0.00	22	3.4	1.8	6.7	0.00	21	0.00	0.00	0.00
28	0.00	0.00	0.00	24	2.8	1.3	4.4	0.00	20	0.00	0.00	0.00
29	0.00	0.00	0.00	32	2.4	0.82	3.1	0.00	12	0.00	0.00	0.00
30	0.00	0.00	0.00	40	---	0.58	2.0	0.00	4.9	0.00	0.00	0.00
31	0.00	---	0.00	41	---	0.51	---	0.00	---	0.00	0.00	---
TOTAL	0.00	166.54	223.87	504.50	1,458.7	846.70	825.00	2.91	840.05	14.84	0.00	199.51
MEAN	0.00	5.55	7.22	16.3	50.3	27.3	27.5	0.09	28.0	0.48	0.00	6.65
MAX	0.00	24	26	41	129	133	224	1.1	123	3.2	0.00	51
MIN	0.00	0.00	0.00	0.00	2.4	0.49	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	330	444	1,000	2,890	1,680	1,640	5.8	1,670	29	0.00	396

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	21.8	61.1	78.0	216	197	138	89.1	332	445	243	54.9	18.0
MAX	74.5	220	198	1,557	914	410	321	918	1,206	1,438	339	76.2
(WY)	(1999)	(1999)	(1999)	(1997)	(1997)	(1996)	(1998)	(1997)	(1995)	(1995)	(1995)	(1998)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1995)	(1995)	(1995)	(1995)	(1995)	(1995)	(2002)	(2002)	(2002)	(2002)	(2001)	(2001)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1995 - 2004	
ANNUAL TOTAL	612.91		5,082.62			
ANNUAL MEAN	1.68		13.9		158	
HIGHEST ANNUAL MEAN					431	1997
LOWEST ANNUAL MEAN					0.39	2002
HIGHEST DAILY MEAN	26	Dec 13	224	Apr 21	2,300	Jan 10, 1997
LOWEST DAILY MEAN	0.00	Jan 16	0.00	Oct 1	0.00	Oct 1, 1994
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 16	0.00	Oct 1	0.00	Oct 1, 1994
MAXIMUM PEAK FLOW			232	Apr 21	2,400	Jan 9, 1997
MAXIMUM PEAK STAGE			4.12	Apr 21	7.82	Jul 16, 1995
ANNUAL RUNOFF (AC-FT)	1,220		10,080		114,200	
10 PERCENT EXCEEDS	2.7		41		510	
50 PERCENT EXCEEDS	0.00		0.11		26	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November and December 1993, May to June 1996, November 1996 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1995 to June 1996 (seasonal), November 1996 to current year.
WATER TEMPERATURE: May 1995 to June 1996 (seasonal), November 1996 to current year.

INSTRUMENTATION.--Specific conductance and water temperature monitor May 1995 to June 1996, November 1996 to current year, four times per hour.

REMARKS.--Instantaneous specific-conductance and water-temperature measurements during a site visit can be slightly outside the range of values recorded during the same day by the water-quality monitor. This presumably is due to fluctuations in conductance and temperature during the interval between periodic monitor recordings. Records represent water temperature at probe within 0.5°C. Interruptions in record due to partial or no flow during the day or during some days.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 931 microsiemens, cm at 25°C, October 17, 2000; minimum, 143 microsiemens, cm at 25°C, May 12, 1998.
WATER TEMPERATURE: Maximum recorded, 34.0°C, July 24, 2004; minimum daily, freezing point many days during winter months of most years.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 916 microsiemens/cm at 25°C, July 19; minimum, 358 microsiemens/cm at 25°C, June 22.
WATER TEMPERATURE: Maximum, 34.0°C, July 24; minimum, 0.0°C, on several days.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	698	390	492	---	---	---	---	---	---
2	---	---	---	391	376	383	---	---	---	---	---	---
3	---	---	---	380	373	377	---	---	---	---	---	---
4	---	---	---	381	375	378	---	---	---	---	---	---
5	---	---	---	383	379	381	---	---	---	---	---	---
6	---	---	---	385	378	381	---	---	---	---	---	---
7	---	---	---	396	382	390	789	722	756	---	---	---
8	---	---	---	402	388	395	767	492	573	---	---	---
9	---	---	---	409	396	403	492	431	456	---	---	---
10	---	---	---	414	407	410	433	426	429	---	---	---
11	---	---	---	419	407	413	427	422	425	---	---	---
12	---	---	---	434	417	427	429	423	426	---	---	---
13	---	---	---	455	434	446	430	425	428	---	---	---
14	---	---	---	473	452	464	430	423	426	736	531	612
15	---	---	---	480	471	476	429	425	426	532	459	490
16	---	---	---	498	477	490	432	427	429	461	454	458
17	---	---	---	---	---	---	436	428	432	460	453	456
18	---	---	---	---	---	---	450	435	443	458	452	454
19	---	---	---	---	---	---	464	450	457	460	453	456
20	---	---	---	---	---	---	475	462	470	460	454	457
21	---	---	---	---	---	---	486	473	481	461	452	456
22	---	---	---	---	---	---	501	484	493	460	453	456
23	---	---	---	---	---	---	505	494	500	460	450	456
24	---	---	---	---	---	---	506	502	504	461	455	458
25	---	---	---	---	---	---	---	---	---	465	455	460
26	---	---	---	---	---	---	---	---	---	465	455	459
27	---	---	---	---	---	---	---	---	---	463	452	457
28	---	---	---	---	---	---	---	---	---	461	450	456
29	---	---	---	---	---	---	---	---	---	458	451	455
30	---	---	---	---	---	---	---	---	---	456	446	451
31	---	---	---	---	---	---	---	---	---	453	444	448
MONTH	---	---	---	698	373	419	789	422	475	736	444	466

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SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	452	444	447	534	512	522	572	556	561	568	537	551
2	451	442	447	528	507	517	582	559	569	580	549	563
3	450	442	446	534	520	525	589	561	575	592	559	573
4	448	441	445	538	521	527	585	570	575	600	568	583
5	450	440	445	538	521	527	---	---	---	607	578	589
6	450	440	444	542	524	530	---	---	---	---	---	---
7	450	440	444	546	526	534	---	---	---	---	---	---
8	449	440	444	551	529	540	---	---	---	---	---	---
9	448	440	443	558	535	544	---	---	---	---	---	---
10	445	437	441	564	539	549	---	---	---	---	---	---
11	447	436	441	583	452	528	---	---	---	---	---	---
12	456	442	447	452	443	447	---	---	---	---	---	---
13	444	438	442	450	442	445	---	---	---	---	---	---
14	444	437	439	449	441	445	---	---	---	---	---	---
15	444	436	439	450	443	446	---	---	---	---	---	---
16	445	437	440	451	443	446	---	---	---	---	---	---
17	452	438	445	454	444	448	---	---	---	---	---	---
18	457	442	449	469	448	460	---	---	---	---	---	---
19	447	440	442	485	466	476	---	---	---	---	---	---
20	445	440	442	493	478	485	714	468	496	---	---	---
21	445	440	442	502	486	492	479	465	473	---	---	---
22	464	444	454	509	491	499	472	462	467	---	---	---
23	480	464	473	516	498	506	470	461	466	---	---	---
24	491	475	483	522	507	513	488	461	475	---	---	---
25	492	483	488	530	512	518	510	487	499	---	---	---
26	504	485	494	538	516	525	524	501	512	---	---	---
27	510	496	501	545	522	531	531	512	521	---	---	---
28	513	503	507	553	528	538	539	520	527	---	---	---
29	523	509	516	558	533	545	548	523	534	---	---	---
30	---	---	---	563	544	554	559	530	542	---	---	---
31	---	---	---	577	552	561	---	---	---	---	---	---
MONTH	523	436	456	583	441	507	714	461	519	607	537	572
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	464	434	452	---	---	---	---	---	---
2	---	---	---	490	462	474	---	---	---	---	---	---
3	---	---	---	512	487	498	---	---	---	---	---	---
4	---	---	---	533	497	514	---	---	---	---	---	---
5	---	---	---	551	502	526	---	---	---	---	---	---
6	---	---	---	553	522	539	---	---	---	---	---	---
7	767	605	662	581	540	562	---	---	---	---	---	---
8	771	631	717	592	555	573	---	---	---	---	---	---
9	774	737	756	599	567	582	---	---	---	---	---	---
10	779	508	742	619	572	596	---	---	---	---	---	---
11	508	396	406	632	592	610	---	---	---	---	---	---
12	399	390	395	628	599	613	---	---	---	---	---	---
13	395	385	391	620	600	609	---	---	---	---	---	---
14	392	383	388	---	---	---	---	---	---	---	---	---
15	385	377	381	---	---	---	---	---	---	912	385	478
16	389	374	382	---	---	---	---	---	---	395	386	390
17	434	386	408	---	---	---	---	---	---	400	390	395
18	470	434	454	909	867	887	---	---	---	399	392	395
19	508	468	488	916	600	773	---	---	---	418	395	406
20	515	385	432	679	636	659	---	---	---	453	417	437
21	388	370	376	721	670	698	---	---	---	480	451	466
22	371	358	364	704	672	688	---	---	---	502	475	488
23	375	364	368	702	672	686	---	---	---	522	493	507
24	379	362	372	703	676	689	---	---	---	539	514	549
25	381	365	374	---	---	---	---	---	---	---	---	---
26	383	364	375	---	---	---	---	---	---	---	---	---
27	383	361	374	---	---	---	---	---	---	---	---	---
28	383	361	373	---	---	---	---	---	---	---	---	---
29	397	370	384	---	---	---	---	---	---	---	---	---
30	436	396	412	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	779	358	449	916	434	611	---	---	---	912	385	451
YEAR	916	358	488									

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	9.0	5.0	7.0	---	---	---	---	---	---
2	---	---	---	7.0	5.5	6.5	---	---	---	---	---	---
3	---	---	---	8.5	5.5	6.5	---	---	---	---	---	---
4	---	---	---	8.5	5.5	7.0	---	---	---	---	---	---
5	---	---	---	9.0	6.5	7.5	---	---	---	---	---	---
6	---	---	---	8.0	5.5	6.5	---	---	---	---	---	---
7	---	---	---	8.5	5.0	6.5	5.5	4.5	4.5	---	---	---
8	---	---	---	7.0	5.0	6.0	6.0	2.5	4.0	---	---	---
9	---	---	---	10.0	5.5	7.0	3.5	1.5	2.0	---	---	---
10	---	---	---	10.0	5.5	7.0	4.0	1.5	2.5	---	---	---
11	---	---	---	8.5	4.5	6.0	5.0	3.0	3.5	---	---	---
12	---	---	---	9.0	3.5	5.5	3.0	2.0	2.5	---	---	---
13	---	---	---	10.5	5.5	7.0	4.5	2.5	3.5	---	---	---
14	---	---	---	10.0	3.5	6.0	4.5	2.0	3.0	2.5	0.0	0.5
15	---	---	---	6.0	4.0	5.0	2.5	0.5	1.5	1.5	0.0	0.5
16	---	---	---	9.5	2.5	6.0	2.5	0.0	1.0	3.0	0.5	1.5
17	---	---	---	---	---	---	2.0	0.0	1.0	3.5	1.5	2.0
18	---	---	---	---	---	---	3.0	0.0	0.5	3.5	2.0	2.5
19	---	---	---	---	---	---	2.0	0.0	0.5	4.0	2.0	2.5
20	---	---	---	---	---	---	3.0	0.0	1.5	4.0	2.5	3.5
21	---	---	---	---	---	---	5.0	0.5	2.0	4.0	1.5	2.5
22	---	---	---	---	---	---	3.5	0.0	1.5	2.5	0.5	1.5
23	---	---	---	---	---	---	4.5	1.0	2.5	2.5	0.0	1.0
24	---	---	---	---	---	---	2.0	1.5	2.0	4.0	1.0	2.5
25	---	---	---	---	---	---	---	---	---	4.5	1.5	3.0
26	---	---	---	---	---	---	---	---	---	2.5	0.5	1.5
27	---	---	---	---	---	---	---	---	---	2.5	1.5	2.0
28	---	---	---	---	---	---	---	---	---	3.0	1.0	2.0
29	---	---	---	---	---	---	---	---	---	4.5	1.5	3.0
30	---	---	---	---	---	---	---	---	---	4.0	3.0	3.5
31	---	---	---	---	---	---	---	---	---	5.0	3.5	4.0
MONTH	---	---	---	10.5	2.5	6.4	6.0	0.0	2.2	5.0	0.0	2.2
	FEBRUARY			MARCH			APRIL			MAY		
1	4.5	2.5	3.5	11.0	4.5	7.0	14.5	8.0	11.0	25.0	10.5	17.5
2	4.0	3.5	4.0	9.0	4.5	6.0	19.5	5.5	12.0	27.0	12.5	19.5
3	4.0	2.5	3.5	11.0	4.5	7.0	22.0	7.5	14.5	28.5	15.5	21.0
4	4.0	3.0	3.5	12.0	4.5	7.5	16.5	11.5	13.5	27.5	14.5	19.5
5	4.0	1.5	3.0	13.5	4.5	8.5	---	---	---	27.5	14.0	17.5
6	3.0	1.0	2.5	17.0	6.5	11.0	---	---	---	---	---	---
7	4.0	2.5	3.0	17.5	6.0	11.0	---	---	---	---	---	---
8	4.0	1.5	2.5	18.5	6.0	12.0	---	---	---	---	---	---
9	4.5	2.5	3.5	20.0	7.0	12.5	---	---	---	---	---	---
10	4.5	2.0	3.0	21.0	8.5	14.0	---	---	---	---	---	---
11	4.0	1.5	3.0	14.0	6.5	11.0	---	---	---	---	---	---
12	4.0	1.5	3.0	13.5	9.5	11.5	---	---	---	---	---	---
13	3.5	2.0	3.0	13.5	9.5	11.5	---	---	---	---	---	---
14	5.0	2.5	3.5	14.0	10.5	12.5	---	---	---	---	---	---
15	6.0	4.0	4.5	15.0	11.5	13.5	---	---	---	---	---	---
16	6.0	5.0	5.5	14.5	11.5	13.0	---	---	---	---	---	---
17	7.5	4.5	6.0	15.0	11.5	13.5	---	---	---	---	---	---
18	7.0	5.5	6.5	16.0	11.0	13.5	---	---	---	---	---	---
19	7.0	4.0	5.5	18.0	13.0	14.5	---	---	---	---	---	---
20	7.0	4.5	6.0	19.0	11.0	14.5	14.5	12.5	13.5	---	---	---
21	8.0	5.5	6.5	20.0	12.0	15.0	15.5	11.0	13.5	---	---	---
22	8.0	6.0	7.0	21.0	13.0	16.0	15.5	11.0	13.5	---	---	---
23	8.5	5.5	6.5	21.5	12.5	16.0	16.5	11.5	14.0	---	---	---
24	10.0	4.5	6.5	21.0	11.5	15.5	18.0	13.0	15.5	---	---	---
25	6.5	5.0	6.0	17.5	10.0	13.5	20.0	13.5	16.5	---	---	---
26	11.5	4.0	7.0	17.5	9.0	12.5	22.0	14.0	17.5	---	---	---
27	10.5	4.5	7.0	20.5	8.0	13.0	23.5	15.0	18.0	---	---	---
28	8.5	4.0	6.0	20.0	8.0	13.5	20.0	13.0	16.5	---	---	---
29	12.0	4.0	7.0	20.5	8.5	14.0	22.5	10.5	15.5	---	---	---
30	---	---	---	19.0	11.0	14.0	24.5	9.5	16.0	---	---	---
31	---	---	---	23.0	9.0	14.5	---	---	---	---	---	---
MONTH	12.0	1.0	4.8	23.0	4.5	12.4	24.5	5.5	14.7	28.5	10.5	19.0

10302002 WALKER RIVER AT LATERAL 2-A SIPHON NEAR SCHURZ, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	29.5	19.5	22.5	---	---	---	---	---	---
2	---	---	---	30.5	19.0	23.0	---	---	---	---	---	---
3	---	---	---	29.0	19.5	23.0	---	---	---	---	---	---
4	---	---	---	31.5	18.5	23.5	---	---	---	---	---	---
5	---	---	---	33.0	19.5	25.0	---	---	---	---	---	---
6	---	---	---	32.5	21.0	25.0	---	---	---	---	---	---
7	29.5	16.0	20.0	32.0	19.5	24.0	---	---	---	---	---	---
8	27.0	14.0	18.5	32.5	18.5	24.5	---	---	---	---	---	---
9	21.5	14.5	17.5	33.5	21.0	25.5	---	---	---	---	---	---
10	28.0	14.0	19.0	32.5	17.5	23.5	---	---	---	---	---	---
11	22.5	18.0	20.5	32.5	17.5	24.0	---	---	---	---	---	---
12	23.5	19.5	21.5	33.5	18.0	24.5	---	---	---	---	---	---
13	24.5	20.0	22.5	32.0	18.5	21.5	---	---	---	---	---	---
14	25.0	21.0	23.0	---	---	---	---	---	---	---	---	---
15	24.5	21.0	23.0	---	---	---	---	---	---	19.0	13.0	17.0
16	24.5	20.5	22.5	---	---	---	---	---	---	20.0	16.5	18.5
17	26.0	21.0	23.0	---	---	---	---	---	---	20.0	17.5	19.0
18	27.0	19.5	22.0	23.0	21.0	22.0	---	---	---	20.0	16.5	18.0
19	29.0	19.5	23.0	23.0	20.5	21.5	---	---	---	16.5	14.0	15.5
20	26.0	21.5	23.5	30.0	20.5	26.5	---	---	---	16.0	12.0	13.5
21	26.0	22.0	24.0	31.0	20.0	24.5	---	---	---	19.5	9.0	13.0
22	25.0	21.5	23.5	33.0	21.0	25.0	---	---	---	20.5	8.0	13.5
23	26.5	21.5	23.5	33.5	21.0	26.0	---	---	---	21.5	10.0	15.0
24	26.0	22.0	24.0	34.0	22.0	26.5	---	---	---	24.5	11.5	16.5
25	26.5	21.5	23.5	---	---	---	---	---	---	---	---	---
26	26.5	21.5	24.0	---	---	---	---	---	---	---	---	---
27	26.5	22.0	24.0	---	---	---	---	---	---	---	---	---
28	26.5	22.5	24.5	---	---	---	---	---	---	---	---	---
29	27.5	22.0	24.0	---	---	---	---	---	---	---	---	---
30	26.5	20.5	23.0	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	29.5	14.0	22.4	34.0	17.5	24.1	---	---	---	24.5	8.0	15.9
YEAR	34.0	0.0	11.8									

10308200 EAST FORK CARSON RIVER BELOW MARKLEEVILLE CREEK NEAR MARKLEEVILLE, CA

LOCATION.--Lat 38°42'53", long 119°45'50" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec. 15, T.10 N., R.20 E., Alpine County, Hydrologic Unit 16050201, on right bank, 0.5 mi downstream from Markleeville Creek, 1.5 mi northeast of Markleeville, and at mi 114.75 upstream from Lahontan Dam.

DRAINAGE AREA.--276 mi^2.

PERIOD OF RECORD.--August 1960 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,400 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 1, 1967, at present site at datum 2.00 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. A few small diversions for irrigation above station. Flow slightly regulated by several small reservoirs, total capacity, about 5,000 acre-ft. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,900 ft^3/s, January 2, 1997, gage height, 11.78 ft; minimum daily, 12 ft^3/s, September 10-13, 23, 1997.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 5	0000	*1,560	*4.32	May 28	1015	1,390	4.15

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	40	44	63	62	111	545	792	696	178	67	38
2	46	35	44	58	67	108	452	960	699	171	71	38
3	47	44	42	60	60	101	443	1,150	711	166	72	46
4	45	35	42	65	64	103	525	1,270	687	156	81	47
5	44	45	67	e70	58	110	648	1,330	653	147	89	40
6	45	42	166	e75	66	130	685	1,230	640	148	95	39
7	45	46	178	e80	69	157	605	1,070	621	144	95	38
8	43	43	80	82	57	197	634	999	542	131	81	37
9	41	55	67	86	73	247	658	973	479	123	74	44
10	41	38	68	78	65	303	671	952	424	116	71	38
11	43	45	59	77	58	316	645	787	404	107	68	35
12	43	49	57	75	58	319	674	700	392	100	63	34
13	43	53	72	74	60	331	713	706	390	102	74	33
14	44	49	64	75	67	369	632	755	406	102	81	39
15	42	52	42	76	61	425	566	770	402	98	75	37
16	41	48	58	72	127	425	489	769	377	97	85	35
17	42	51	69	74	217	409	444	789	368	93	74	34
18	41	51	71	74	223	481	404	753	357	89	69	34
19	41	51	70	70	155	564	377	684	341	84	73	42
20	41	55	72	72	130	561	363	679	317	80	67	40
21	40	51	69	71	118	663	358	648	299	88	61	42
22	39	42	59	57	111	716	357	623	280	91	60	41
23	39	31	63	85	103	659	338	629	275	91	66	40
24	39	52	137	79	97	659	396	614	266	85	65	38
25	39	51	120	68	166	592	485	594	250	79	57	38
26	39	46	83	61	165	412	598	582	234	77	65	44
27	39	46	53	69	121	363	774	625	222	74	64	44
28	38	47	70	62	115	331	898	1,100	212	76	61	44
29	38	47	85	66	111	351	822	832	201	75	57	45
30	37	45	73	65	---	515	722	714	192	72	51	44
31	37	---	73	64	---	545	---	709	---	70	47	---
TOTAL	1,288	1,385	2,317	2,203	2,904	11,573	16,921	25,788	12,337	3,310	2,179	1,188
MEAN	41.5	46.2	74.7	71.1	100	373	564	832	411	107	70.3	39.6
MAX	47	55	178	86	223	716	898	1,330	711	178	95	47
MIN	37	31	42	57	57	101	338	582	192	70	47	33
AC-FT	2,550	2,750	4,600	4,370	5,760	22,960	33,560	51,150	24,470	6,570	4,320	2,360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2004, BY WATER YEAR (WY)

MEAN	78.0	107	130	191	203	286	547	1,124	977	384	141	86.5
MAX	346	476	718	1,722	917	983	1,121	2,447	2,996	1,721	477	239
(WY)	(1983)	(1984)	(1965)	(1997)	(1986)	(1986)	(1982)	(1969)	(1983)	(1995)	(1983)	(1983)
MIN	24.0	32.6	41.4	44.2	43.9	58.7	183	197	135	58.0	33.0	18.0
(WY)	(1978)	(1977)	(1991)	(1977)	(1991)	(1977)	(1977)	(1977)	(1992)	(1977)	(1977)	(1987)

10308200 EAST FORK CARSON RIVER BELOW MARKLEEVILLE CREEK NEAR MARKLEEVILLE, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1960 - 2004	
ANNUAL TOTAL	109,384		83,393			
ANNUAL MEAN	300		228		355	
HIGHEST ANNUAL MEAN					809	1983
LOWEST ANNUAL MEAN					83.7	1977
HIGHEST DAILY MEAN	2,480	May 30	1,330	May 5	12,500	Jan 2, 1997
LOWEST DAILY MEAN	31	Nov 23	31	Nov 23	12	Sep 10, 1987
ANNUAL SEVEN-DAY MINIMUM	38	Oct 27	35	Sep 12	12	Sep 7, 1987
MAXIMUM PEAK FLOW			1,560	May 5	18,900	Jan 2, 1997
MAXIMUM PEAK STAGE			4.32	May 5	11.78	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	217,000		165,400		257,100	
10 PERCENT EXCEEDS	844		672		952	
50 PERCENT EXCEEDS	125		76		141	
90 PERCENT EXCEEDS	44		41		50	

e Estimated

10308783 LEVIATHAN CREEK ABOVE LEVIATHAN MINE, NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'05", long 119°39'20", in SW ¼ NE ¼ sec.22, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, on right bank, 2 mi north of Highway 89, and 6.5 mi east of Markleeville.

DRAINAGE AREA.—4.16 mi^2.

PERIOD OF RECORD.—October 1998 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 7,200 ft above NGVD of 1929, from topographic map.

REMARKS.—Records fair except those below 0.2 ft^3/s and estimated values, which are poor.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 21 ft^3/s, May 7, 1999, gage height, 4.40 ft, maximum gage height, 4.67 ft, Jan. 7, 2001, backwater from ice; minimum daily, 0.01 ft^3/s, Sept. 15, 26–28, 2004.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base discharge of 10 ft^3/s, or maximum:

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 19	0445	7.0	4.23

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.06	0.14	e0.15	e0.09	e0.16	0.15	e0.79	0.59	0.16	0.07	0.02	0.07
2	0.06	0.13	0.15	e0.09	0.20	0.15	e0.44	0.60	0.15	0.07	0.03	0.10
3	0.07	0.13	0.14	e0.09	e0.14	0.14	e0.61	0.59	0.13	0.07	0.04	0.10
4	0.07	0.16	0.15	e0.09	e0.12	0.14	e1.1	0.48	0.12	0.06	0.06	0.02
5	0.08	0.15	0.21	e0.09	e0.17	0.12	e1.4	0.43	0.13	0.06	0.04	0.03
6	0.07	0.12	0.23	e0.09	0.20	0.13	e0.91	0.37	0.11	0.07	0.03	0.02
7	0.07	0.14	0.19	e0.09	e0.17	0.17	e0.77	0.33	0.12	0.13	0.09	0.04
8	0.07	0.13	e0.11	e0.09	0.20	0.17	e0.76	0.33	0.11	0.07	0.05	0.03
9	0.08	0.27	e0.13	e0.09	0.19	0.19	e0.79	0.32	0.10	0.07	0.05	0.04
10	0.10	0.13	e0.14	e0.09	0.19	0.22	e0.87	0.33	0.09	0.05	0.04	0.02
11	0.09	0.17	e0.12	e0.09	0.20	0.18	e1.0	0.34	0.09	0.11	0.04	0.03
12	0.08	0.15	e0.08	e0.09	0.20	0.19	e0.86	0.35	0.09	0.07	0.27	0.07
13	0.08	0.16	e0.08	e0.09	0.19	0.22	e0.99	0.31	0.11	0.13	0.13	0.02
14	0.08	0.16	e0.08	e0.09	0.20	0.27	e1.2	0.35	0.09	0.05	0.10	0.02
15	0.08	0.17	e0.07	e0.09	0.19	0.39	e0.96	0.43	0.12	0.03	0.09	0.01
16	0.10	0.16	e0.06	e0.09	0.19	0.56	e1.4	0.25	0.12	0.03	0.09	0.02
17	0.09	0.15	e0.07	e0.09	0.18	1.1	e1.7	0.26	0.15	0.02	0.06	0.02
18	0.08	0.15	e0.07	e0.09	0.17	1.8	e0.97	0.30	0.09	0.02	0.06	0.02
19	0.08	0.15	e0.07	e0.09	e0.16	2.2	e1.0	0.25	0.08	0.02	0.10	0.02
20	0.08	0.16	e0.08	e0.09	e0.16	1.1	1.6	0.29	0.08	0.02	0.07	0.02
21	0.09	0.16	e0.08	e0.08	e0.15	1.8	1.3	0.27	0.10	0.02	0.06	0.02
22	0.10	e0.17	e0.08	e0.08	e0.15	1.6	1.1	0.23	0.10	0.03	0.08	0.02
23	0.09	e0.14	e0.08	e0.10	e0.15	1.5	1.0	0.23	0.09	0.03	0.13	0.03
24	0.10	e0.20	e0.08	e0.10	e0.15	1.5	0.72	0.22	0.08	0.02	0.08	0.02
25	0.10	0.20	e0.08	e0.10	e0.15	e1.4	0.84	0.21	0.07	0.02	0.06	0.03
26	0.11	0.18	e0.08	e0.11	e0.15	e1.1	0.93	0.21	0.06	0.02	0.05	0.01
27	0.11	e0.17	e0.08	e0.10	e0.15	e1.2	0.88	0.21	0.06	0.02	0.05	0.01
28	0.10	e0.17	e0.08	e0.14	0.16	1.1	0.73	0.22	0.08	0.02	0.06	0.01
29	0.09	e0.16	e0.09	e0.14	0.15	1.1	0.72	0.18	0.08	0.03	0.06	0.02
30	0.11	e0.16	e0.09	e0.14	---	1.3	0.55	0.18	0.12	0.02	0.06	0.02
31	0.09	---	e0.09	e0.14	---	1.4	---	0.20	---	0.02	0.07	---
TOTAL	2.66	4.79	3.29	3.03	4.94	24.59	28.89	9.86	3.08	1.47	2.22	0.91
MEAN	0.09	0.16	0.11	0.10	0.17	0.79	0.96	0.32	0.10	0.05	0.07	0.03
MAX	0.11	0.27	0.23	0.14	0.20	2.2	1.7	0.60	0.16	0.13	0.27	0.10
MIN	0.06	0.12	0.06	0.08	0.12	0.12	0.44	0.18	0.06	0.02	0.02	0.01
AC-FT	5.3	9.5	6.5	6.0	9.8	49	57	20	6.1	2.9	4.4	1.8

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	0.08	0.13	0.13	0.16	0.16	0.52	1.31	1.43	0.26	0.09	0.06	0.06
MAX	0.11	0.20	0.24	0.27	0.29	0.83	2.56	6.17	0.80	0.19	0.10	0.11
(WY)	2000	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999
MIN	0.04	0.09	0.07	0.09	0.08	0.29	0.47	0.18	0.08	0.05	0.03	0.03
(WY)	2002	2001	2003	2001	2001	2002	2001	2001	2001	2004	2001	2004

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	133.04		89.73			
ANNUAL MEAN	0.36		0.25		0.24	
HIGHEST ANNUAL MEAN					0.36	2003
LOWEST ANNUAL MEAN					0.13	2001
HIGHEST DAILY MEAN	2.5	Apr 12	2.2	Mar 19	15	May 7 1999
LOWEST DAILY MEAN	0.03	Aug 8	0.01	Sep 15	0.01	Sep 15 2004
ANNUAL SEVEN-DAY MINIMUM	0.03	Aug 8	0.02	Sep 24	0.02	Sep 24 2004
MAXIMUM PEAK FLOW			7.0	Mar 19	21	May 7 1999
MAXIMUM PEAK STAGE			4.23	Mar 19	4.67	Jan 7 2001
ANNUAL RUNOFF (AC-FT)	264		178		175	
10 PERCENT EXCEEDS	1.3		0.79		0.60	
50 PERCENT EXCEEDS	0.14		0.11		0.10	
90 PERCENT EXCEEDS	0.05		0.03		0.04	

e Estimated.

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10308784 LEVIATHAN MINE ADIT DRAIN NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'15", long 119°39'28", in NW ¼ NE ¼ sec.22, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, 2.2 mi north of State Highway 89, and 6.5 mi southeast of Markleeville.

PERIOD OF RECORD.—November 1998 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 7,100 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily discharge, 0.09 ft^3/s, May 15–18, 1999; minimum daily, 0.0219 ft^3/s, Feb. 19, 20, 2002.

EXTREMES FOR CURRENT YEAR.—Maximum daily discharge, 0.0453 ft^3/s, Apr. 22; minimum daily, 0.0256 ft^3/s, Feb. 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0302	0.0286	0.0269	0.0267	0.0267	0.0259	0.0351	0.0428	0.0311	0.0300	0.0284	0.0272
2	0.0314	0.0289	0.0272	0.0269	0.0270	0.0258	0.0353	0.0426	0.0307	0.0300	0.0284	0.0275
3	0.0321	0.0288	0.0272	0.0267	0.0266	0.0264	0.0359	0.0419	0.0307	0.0296	0.0289	0.0281
4	0.0311	0.0288	0.0267	0.0268	0.0264	0.0263	0.0367	0.0423	0.0305	0.0293	0.0288	0.0280
5	0.0304	0.0284	0.0268	0.0269	0.0269	0.0260	0.0373	0.0426	0.0311	0.0292	0.0287	0.0274
6	0.0295	0.0284	0.0268	0.0266	0.0267	0.0258	0.0379	0.0427	0.0307	0.0294	0.0285	0.0276
7	0.0287	0.0280	0.0271	0.0262	0.0269	0.0259	0.0391	0.0422	0.0312	0.0293	0.0284	0.0272
8	0.0278	0.0282	0.0273	0.0265	0.0268	0.0262	0.0395	0.0423	0.0314	0.0294	0.0282	0.0272
9	0.0280	0.0279	0.0272	0.0266	0.0265	0.0263	0.0398	0.0422	0.0318	0.0291	0.0280	0.0274
10	0.0283	0.0277	0.0275	0.0268	0.0267	0.0264	0.0412	0.0422	0.0311	0.0293	0.0284	0.0271
11	0.0283	0.0282	0.0274	0.0268	0.0268	0.0276	0.0416	0.0426	0.0310	0.0291	0.0282	0.0267
12	0.0275	0.0282	0.0270	0.0264	0.0267	0.0279	0.0419	0.0422	0.0306	0.0290	0.0284	0.0271
13	0.0281	0.0277	0.0270	0.0267	0.0266	0.0281	0.0428	0.0410	0.0303	0.0288	0.0285	0.0272
14	0.0278	0.0278	0.0273	0.0269	0.0265	0.0285	0.0431	0.0401	0.0299	0.0286	0.0279	0.0273
15	0.0277	0.0282	0.0271	0.0268	0.0260	0.0293	0.0437	0.0396	0.0299	0.0288	0.0286	0.0271
16	0.0272	0.0277	0.0270	0.0269	0.0259	0.0297	0.0440	0.0385	0.0302	0.0287	0.0285	0.0272
17	0.0275	0.0272	0.0271	0.0269	0.0256	0.0301	0.0446	0.0377	0.0303	0.0287	0.0281	0.0272
18	0.0273	0.0273	0.0270	0.0267	0.0259	0.0301	0.0445	0.0374	0.0300	0.0288	0.0284	0.0279
19	0.0270	0.0273	0.0268	0.0268	0.0260	0.0303	0.0448	0.0366	0.0299	0.0285	0.0284	0.0281
20	0.0269	0.0270	0.0268	0.0268	0.0265	0.0303	0.0447	0.0358	0.0299	0.0284	0.0284	0.0281
21	0.0272	0.0275	0.0267	0.0270	0.0262	0.0307	0.0450	0.0352	0.0297	0.0289	0.0282	0.0280
22	0.0272	0.0281	0.0271	0.0273	0.0262	0.0307	0.0453	0.0345	0.0299	0.0292	0.0286	0.0277
23	0.0274	0.0279	0.0269	0.0270	0.0259	0.0308	0.0445	0.0333	0.0297	0.0289	0.0283	0.0275
24	0.0274	0.0277	0.0270	0.0269	0.0262	0.0315	0.0447	0.0327	0.0301	0.0282	0.0282	0.0273
25	0.0275	0.0279	0.0270	0.0270	0.0264	0.0315	0.0438	0.0326	0.0296	0.0286	0.0277	0.0271
26	0.0274	0.0273	0.0270	0.0269	0.0258	0.0324	0.0433	0.0318	0.0297	0.0288	0.0279	0.0273
27	0.0277	0.0274	0.0270	0.0268	0.0261	0.0321	0.0433	0.0318	0.0298	0.0287	0.0282	0.0275
28	0.0276	0.0270	0.0272	0.0267	0.0261	0.0323	0.0439	0.0324	0.0297	0.0284	0.0278	0.0272
29	0.0276	0.0269	0.0269	0.0269	0.0258	0.0326	0.0439	0.0315	0.0300	0.0285	0.0277	0.0278
30	0.0279	0.0272	0.0265	0.0271	---	0.0327	0.0434	0.0316	0.0302	0.0285	0.0276	0.0277
31	0.0292	---	0.0265	0.0269	---	0.0334	---	0.0314	---	0.0285	0.0272	---
TOTAL	0.8769	0.8352	0.8370	0.8309	0.7644	0.9036	1.2546	1.1741	0.9107	0.8972	0.8755	0.8237
MEAN	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.03
MAX	0.0321	0.0289	0.0275	0.0273	0.0270	0.0334	0.0453	0.0428	0.0318	0.0300	0.0289	0.0281
MIN	0.0269	0.0269	0.0265	0.0262	0.0256	0.0258	0.0351	0.0314	0.0296	0.0282	0.0272	0.0267
AC-FT	1.7	1.7	1.7	1.6	1.5	1.8	2.5	2.3	1.8	1.8	1.7	1.6

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

103087853 LEVIATHAN MINE POND 1 NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'15", long 119°39'28", in NW ¼ NE ¼ sec.22, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, 2.2 mi north of Highway 89 and 6.5 mi southeast of Markleeville.

PERIOD OF RECORD.—November 1999 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 7,100 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum elevation, 7.88 ft, Apr. 19, 20, 2000; minimum, 4.34 ft, Sept. 27, 2001.

EXTREMES FOR CURRENT YEAR.—Maximum elevation, 7.22 ft, May 6; minimum, 4.43 ft, Oct. 2, 5, July 16–18.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.55	4.45	4.72	5.52	5.96	6.65	7.03	7.19	7.18	5.12	4.50	5.14
2	4.43	4.45	4.73	5.54	6.03	6.68	7.05	7.18	7.17	5.10	4.49	5.15
3	4.44	4.45	4.74	5.55	6.03	6.69	7.06	7.18	7.16	5.10	4.50	5.16
4	4.44	4.45	4.75	5.56	6.03	6.70	7.10	7.21	7.15	5.10	4.50	5.18
5	4.43	4.46	4.78	5.57	6.05	6.71	7.11	7.21	7.14	5.10	4.51	5.20
6	4.44	4.46	4.86	5.59	e6.04	6.73	7.11	7.22	7.12	5.23	4.51	5.22
7	4.44	4.46	4.90	5.60	6.03	6.75	7.11	7.16	7.10	5.35	4.52	5.24
8	4.44	4.46	4.90	5.61	6.04	6.77	7.12	7.16	7.09	5.44	4.53	5.25
9	4.44	4.48	4.92	5.62	6.05	6.80	7.12	7.16	7.09	5.61	4.54	5.27
10	4.45	4.49	4.98	5.63	6.07	6.84	7.12	7.15	7.09	5.71	4.55	5.29
11	4.44	4.50	5.00	5.65	6.08	6.85	7.14	7.17	7.09	5.76	4.56	4.67
12	4.45	4.51	5.02	5.66	6.09	6.88	7.14	7.18	7.12	5.66	4.67	4.45
13	4.45	4.51	5.02	5.67	6.10	6.91	7.14	7.18	7.05	5.34	4.71	4.45
14	4.45	4.53	5.10	5.73	6.11	6.94	7.13	7.18	7.04	4.91	4.74	4.45
15	4.46	4.54	5.11	5.74	6.17	6.97	7.13	7.17	6.99	4.49	4.77	4.45
16	4.46	4.55	5.12	5.75	6.26	7.00	7.13	7.19	6.89	4.43	4.80	4.45
17	4.46	4.56	5.13	5.76	6.25	7.03	7.13	7.19	6.79	4.43	4.82	4.45
18	4.47	4.58	5.14	5.78	6.30	7.06	7.14	7.18	6.73	4.43	4.84	4.45
19	4.47	4.59	5.15	5.79	6.31	7.09	7.15	7.18	6.63	4.44	4.87	4.44
20	4.47	4.60	5.17	5.83	6.32	6.97	e7.17	7.18	6.50	4.44	4.91	4.44
21	4.47	4.61	5.18	5.84	6.33	6.96	e7.18	7.18	6.38	4.44	4.92	4.45
22	4.48	4.62	5.17	5.85	6.36	6.97	e7.19	7.18	6.33	4.44	4.96	4.45
23	4.48	4.63	5.18	5.88	6.35	6.98	7.19	7.18	6.49	4.46	4.97	4.46
24	4.47	4.64	5.27	5.88	6.36	6.99	7.18	7.16	e6.49	4.46	4.99	4.46
25	4.48	4.65	5.34	5.88	6.48	7.00	7.19	7.16	5.78	4.47	5.01	4.46
26	4.48	4.66	5.35	5.90	6.64	6.99	7.19	7.16	5.66	4.47	5.02	4.46
27	4.48	4.67	5.36	5.91	6.65	7.02	7.19	7.17	5.53	4.50	5.04	4.46
28	4.46	4.68	5.38	5.93	6.62	7.03	7.18	7.20	5.39	4.48	5.06	4.46
29	4.46	4.70	5.42	5.93	6.64	7.03	7.18	7.20	5.39	4.48	5.08	4.47
30	4.46	4.72	5.44	5.93	---	7.02	7.19	7.19	5.27	4.49	5.10	4.46
31	4.46	---	5.45	5.95	---	7.03	---	7.18	---	4.54	5.12	---
MEAN	4.46	4.56	5.09	5.74	6.23	6.90	7.14	7.18	6.63	4.85	4.78	4.71
MAX	4.55	4.72	5.45	5.95	6.65	7.09	7.19	7.22	7.18	5.76	5.12	5.29
MIN	4.43	4.45	4.72	5.52	5.96	6.65	7.03	7.15	5.27	4.43	4.49	4.44

CAL YR 2003 MEAN 5.73 MAX 7.05 MIN 4.43
WTR YR 2004 MEAN 5.69 MAX 7.22 MIN 4.43

e Estimated.

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10308785 LEVIATHAN MINE PIT DRAIN NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'15", long 119°39'28", in NW ¼ NE ¼ sec.22, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, 2.2 mi north of Highway 89, and 6.5 mi southeast of Markleeville.

PERIOD OF RECORD.—February 2000 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 7,100 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily discharge, 0.0120 ft^3/s, Apr. 15, 17, 28, 2004; no flow Nov. 10, to Dec. 11, 2003.

EXTREMES FOR CURRENT YEAR.—Maximum daily discharge, 0.0120 ft^3/s, Apr. 15, 17, 28; no flow Nov. 10, to Dec. 11.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0005	0.0005	e0.0000	0.0006	0.0006	0.0009	0.0045	0.0065	0.0027	0.0012	0.0008	0.0011
2	0.0005	0.0005	e0.0000	0.0006	0.0006	0.0009	0.0042	0.0076	0.0027	0.0012	0.0008	0.0011
3	0.0004	0.0005	e0.0000	0.0006	0.0006	0.0011	0.0042	e0.0080	0.0025	0.0012	0.0008	0.0011
4	0.0004	0.0005	e0.0000	0.0006	0.0006	0.0011	0.0046	e0.0070	0.0023	0.0012	0.0008	0.0011
5	0.0004	e0.0004	e0.0000	0.0006	0.0006	0.0008	0.0061	e0.0070	0.0025	0.0011	0.0008	0.0011
6	0.0004	e0.0003	e0.0000	0.0006	0.0006	0.0008	0.0064	0.0065	0.0026	0.0011	0.0008	0.0011
7	0.0004	e0.0002	e0.0000	0.0006	0.0006	0.0009	0.0065	0.0064	0.0027	0.0012	0.0007	0.0011
8	0.0004	e0.0001	e0.0000	0.0006	0.0006	0.0009	0.0066	e0.0060	0.0027	0.0012	0.0007	0.0011
9	0.0004	e0.0001	e0.0000	0.0006	0.0006	e0.0009	0.0067	e0.0070	0.0023	0.0012	0.0007	0.0011
10	0.0005	e0.0000	e0.0000	0.0006	0.0006	e0.0010	0.0081	0.0073	0.0021	0.0011	0.0006	0.0010
11	0.0004	e0.0000	e0.0000	0.0006	0.0006	e0.0012	0.0094	0.0067	0.0021	0.0010	0.0006	0.0010
12	0.0004	e0.0000	e0.0001	0.0006	0.0006	0.0013	0.0099	0.0065	0.0020	0.0010	0.0006	0.0011
13	0.0005	e0.0000	e0.0001	0.0006	0.0006	0.0016	0.0117	0.0061	0.0019	0.0009	0.0006	0.0011
14	0.0005	e0.0000	e0.0002	0.0006	0.0006	0.0016	0.0114	0.0060	0.0019	0.0009	0.0006	0.0011
15	0.0005	e0.0000	e0.0003	0.0006	0.0006	0.0020	0.0120	0.0064	0.0020	0.0009	0.0006	0.0011
16	0.0005	e0.0000	e0.0003	0.0006	0.0006	0.0023	0.0119	0.0064	0.0019	0.0009	0.0006	0.0011
17	0.0004	e0.0000	e0.0004	0.0006	0.0005	0.0028	0.0120	0.0061	0.0018	0.0009	0.0006	0.0011
18	0.0005	e0.0000	e0.0004	0.0006	0.0006	0.0035	0.0105	0.0050	0.0017	0.0009	0.0006	0.0011
19	0.0005	e0.0000	e0.0005	0.0006	0.0006	0.0086	0.0103	0.0050	0.0016	0.0009	0.0006	0.0011
20	0.0004	e0.0000	0.0006	0.0006	0.0006	0.0085	0.0104	0.0049	0.0016	0.0009	0.0006	0.0011
21	0.0005	e0.0000	0.0006	0.0006	0.0007	0.0085	0.0110	0.0047	0.0016	0.0009	0.0006	0.0010
22	0.0005	e0.0000	0.0006	0.0006	0.0007	0.0092	0.0100	0.0045	0.0016	0.0009	0.0006	0.0011
23	0.0005	e0.0000	0.0006	0.0006	0.0007	0.0080	0.0100	0.0047	0.0015	0.0009	0.0006	0.0010
24	0.0005	e0.0000	0.0006	0.0007	0.0007	0.0075	0.0100	0.0042	0.0014	0.0009	0.0006	0.0010
25	0.0004	e0.0000	0.0006	0.0006	0.0007	0.0067	0.0086	0.0042	0.0014	0.0008	0.0009	0.0010
26	0.0004	e0.0000	0.0006	0.0006	0.0008	0.0053	0.0070	0.0040	0.0015	0.0009	0.0011	0.0011
27	0.0005	e0.0000	0.0006	0.0006	0.0008	0.0041	0.0090	0.0038	0.0015	0.0009	0.0011	0.0011
28	0.0005	e0.0000	0.0006	0.0006	0.0007	0.0044	0.0120	0.0042	0.0014	0.0009	0.0011	0.0011
29	0.0005	e0.0000	0.0006	0.0006	0.0008	0.0052	0.0099	0.0033	0.0013	0.0009	0.0011	0.0011
30	0.0006	e0.0000	0.0006	0.0006	---	0.0054	0.0066	0.0027	0.0012	0.0008	0.0011	0.0011
31	0.0006	---	0.0006	0.0006	---	0.0048	---	0.0027	---	0.0009	0.0011	---
TOTAL	0.0144	0.0031	0.0095	0.0187	0.0185	0.1118	0.2615	0.1714	0.0580	0.0306	0.0234	0.0324
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
MAX	0.0006	0.0005	0.0006	0.0007	0.0008	0.0092	0.0120	0.0080	0.0027	0.0012	0.0011	0.0011
MIN	0.0004	0.0000	0.0000	0.0006	0.0005	0.0008	0.0042	0.0027	0.0012	0.0008	0.0006	0.0010
AC-FT	0.03	0.01	0.02	0.04	0.04	0.2	0.5	0.3	0.1	0.06	0.05	0.06

e Estimated.

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

103087885 LEVIATHAN CREEK CHANNEL UNDERDRAIN NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'34", long 119°39'41", in SE ¼ SW ¼ sec.15, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, 2.9 mi north of State Highway 89, and 6.5 mi east of Markleeville.

PERIOD OF RECORD.—November 1999 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 6,800 ft above NGVD of 1929, from topographic map.

REMARKS.—Records fair. Days that indicate no flow are days when all flow is being pumped to Leviathan Mine Pond 4 (station 103087887) for treatment.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily discharge, 0.09 ft^3/s, Apr. 20, 21, 2000; no flow on many days in most years.

EXTREMES FOR CURRENT YEAR.—Maximum daily discharge, 0.0745 ft^3/s, Apr. 28; no flow on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0249	0.0299	0.0322	0.0326	0.0328	0.0446	0.0580	0.0740	0.0221	0.0000	0.0000	0.0000
2	0.0375	0.0301	0.0318	0.0326	0.0304	0.0469	0.0590	e0.0740	0.0036	0.0000	0.0000	0.0000
3	0.0367	0.0304	0.0313	0.0329	0.0312	0.0473	0.0597	e0.0740	0.0038	0.0000	0.0000	0.0000
4	0.0350	0.0303	0.0310	0.0330	0.0315	0.0483	0.0612	e0.0730	0.0033	0.0000	0.0000	0.0000
5	0.0337	0.0298	0.0313	0.0330	0.0329	e0.0460	0.0630	e0.0730	0.0033	0.0000	0.0000	0.0000
6	0.0329	0.0296	0.0316	0.0330	e0.0325	0.0441	0.0644	0.0730	0.0030	0.0000	0.0000	0.0000
7	0.0321	0.0285	0.0326	0.0334	e0.0325	0.0446	0.0650	0.0679	0.0023	0.0000	0.0000	0.0000
8	0.0317	0.0288	0.0322	0.0382	e0.0325	0.0450	0.0654	0.0637	0.0007	0.0000	0.0000	0.0000
9	0.0332	0.0285	0.0330	0.0396	e0.0325	0.0455	0.0670	0.0615	0.0000	0.0000	0.0000	0.0000
10	0.0348	0.0287	0.0328	0.0368	e0.0325	0.0456	0.0701	0.0613	0.0000	0.0000	0.0000	0.0000
11	0.0340	0.0290	0.0342	0.0369	e0.0325	0.0441	0.0715	0.0595	0.0000	0.0000	0.0000	0.0000
12	0.0353	0.0293	0.0338	0.0364	e0.0325	0.0425	e0.0712	0.0704	0.0000	0.0000	0.0000	0.0000
13	0.0336	0.0295	0.0332	0.0359	e0.0325	0.0427	e0.0712	0.0568	0.0000	0.0000	0.0000	0.0000
14	0.0342	0.0297	0.0332	0.0354	0.0323	0.0413	0.0709	0.0511	0.0000	0.0000	0.0000	0.0000
15	0.0345	0.0300	0.0360	0.0349	0.0326	0.0394	0.0711	0.0492	0.0000	0.0000	0.0000	0.0000
16	0.0341	0.0302	0.0354	0.0344	0.0327	0.0398	0.0712	0.0545	0.0000	0.0000	0.0000	0.0000
17	0.0338	0.0306	0.0338	0.0340	0.0324	0.0400	0.0708	0.0492	0.0000	0.0000	0.0000	0.0000
18	0.0339	0.0308	0.0309	0.0335	0.0334	0.0401	0.0708	0.0517	0.0000	0.0000	0.0000	0.0000
19	0.0341	0.0328	0.0303	0.0345	0.0337	0.0394	0.0710	0.0412	0.0000	0.0000	0.0000	0.0000
20	0.0341	0.0357	0.0308	0.0346	0.0341	0.0387	0.0714	0.0393	0.0000	0.0000	0.0000	0.0000
21	0.0341	0.0351	0.0314	0.0353	0.0343	0.0480	0.0710	e0.0390	0.0000	0.0000	0.0000	0.0000
22	0.0345	0.0333	0.0315	0.0349	0.0346	0.0513	0.0706	e0.0370	0.0000	0.0000	0.0000	0.0000
23	0.0347	0.0328	0.0317	0.0347	0.0349	0.0537	0.0709	e0.0370	0.0000	0.0000	0.0000	0.0000
24	0.0337	0.0325	0.0313	0.0351	0.0357	0.0509	0.0711	e0.0350	0.0000	0.0000	0.0000	0.0000
25	0.0327	0.0341	0.0319	0.0354	0.0376	0.0527	0.0712	e0.0330	0.0000	0.0000	0.0000	0.0000
26	0.0329	0.0349	0.0319	0.0344	0.0369	0.0523	0.0715	e0.0310	0.0000	0.0000	0.0000	0.0000
27	0.0335	0.0344	0.0322	0.0345	0.0402	0.0523	0.0735	e0.0290	0.0000	0.0000	0.0000	0.0000
28	0.0346	0.0338	0.0323	0.0338	0.0410	0.0526	0.0745	0.0291	0.0000	0.0000	0.0000	0.0000
29	0.0356	0.0332	0.0323	0.0327	0.0416	0.0536	0.0725	0.0257	0.0000	0.0000	0.0000	0.0000
30	0.0334	0.0327	0.0324	0.0312	---	0.0545	0.0724	0.0554	0.0000	0.0000	0.0000	0.0000
31	0.0302	---	0.0326	0.0320	---	0.0561	---	0.0538	---	0.0000	0.0000	---
TOTAL	1.0440	0.9390	1.0029	1.0696	0.9868	1.4439	2.0631	1.6233	0.0421	0.0000	0.0000	0.0000
MEAN	0.03	0.03	0.03	0.03	0.03	0.05	0.07	0.05	0.00	0.00	0.00	0.00
MAX	0.0375	0.0357	0.0360	0.0396	0.0416	0.0561	0.0745	0.0740	0.0221	0.0000	0.0000	0.0000
MIN	0.0249	0.0285	0.0303	0.0312	0.0304	0.0387	0.0580	0.0257	0.0000	0.0000	0.0000	0.0000
AC-FT	2.1	1.9	2.0	2.1	2.0	2.9	4.1	3.2	0.08	0.00	0.00	0.00

e Estimated.

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

103087887 LEVIATHAN MINE POND 4 NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'34", long 119°39'41", in SE ¼ SW ¼ sec.15, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, 2.9 mi north of State Highway 89, and 6.5 mi east of Markleeville.

PERIOD OF RECORD.—October 1998 to September 2003, discharge. October 2003 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 6,800 ft above NGVD of 1929, from topographic map.

REMARKS.—Records excellent.

EXTREMES FOR PERIOD OF RECORD.—Prior to Oct. 1, 2003, maximum daily discharge, 0.3431 ft^3/s, Feb. 10, 1999; no flow on many days in each year. Since Oct. 1, 2003 (at 2400 hours), maximum gage height, 7.83 ft, June 9, 2004; minimum, 2.85 ft, Aug. 30, 2004.

EXTREMES (AT 2400 HOURS) FOR CURRENT YEAR.—Maximum gage height, 7.83 ft, June 9; minimum, 2.85 ft, Aug. 30.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.67	7.11	5.08	5.70	5.84	6.36	7.01	6.83	6.54	4.40	7.02	3.19
2	7.40	7.09	5.08	5.73	5.91	6.38	7.01	6.81	6.68	4.64	7.13	3.30
3	7.39	7.10	5.07	5.74	5.92	6.38	7.02	6.79	6.82	4.90	7.27	3.40
4	7.38	7.10	5.08	5.74	5.93	6.40	7.07	6.76	7.01	5.10	7.37	3.54
5	7.36	7.10	5.11	5.74	5.93	6.41	7.06	6.75	7.18	5.32	7.50	3.67
6	7.37	7.10	5.20	5.73	5.95	6.43	7.06	6.73	7.33	5.50	7.20	3.80
7	7.36	7.09	5.26	5.74	5.96	6.45	7.05	6.72	7.46	5.70	6.72	3.92
8	7.33	7.10	5.25	5.75	5.96	6.49	7.06	6.70	7.64	5.88	6.25	4.01
9	7.31	7.22	5.25	5.77	5.96	6.52	7.05	6.69	7.83	6.04	5.73	4.11
10	7.30	7.22	5.30	5.77	5.96	6.54	7.04	6.67	7.37	6.21	5.19	4.24
11	7.30	7.23	5.32	5.77	5.97	6.57	7.03	6.67	7.08	6.45	4.60	4.34
12	7.28	7.23	5.32	5.78	5.97	6.59	7.02	6.66	7.28	6.55	4.84	4.42
13	7.29	7.23	5.32	5.78	5.97	6.61	7.01	6.65	7.47	6.70	4.95	4.47
14	7.28	7.23	5.38	5.78	5.97	6.65	6.98	6.63	7.63	6.85	5.11	4.57
15	7.27	7.23	5.39	5.78	5.98	6.68	6.97	6.62	7.80	7.00	5.22	4.69
16	7.26	7.24	5.38	5.79	6.02	6.71	6.96	6.60	7.62	7.18	5.34	4.78
17	7.25	7.23	5.39	5.79	6.05	6.73	6.96	6.57	6.97	7.34	5.46	4.88
18	7.23	7.24	5.40	5.80	6.11	6.78	6.95	6.56	7.14	7.47	5.58	4.93
19	7.23	6.68	5.40	5.80	6.11	6.81	6.93	6.55	7.26	7.23	5.67	5.00
20	7.21	6.19	5.41	5.83	6.13	6.83	6.92	6.54	7.46	6.71	5.80	5.09
21	7.21	5.17	5.42	5.84	6.14	6.87	6.93	6.53	7.62	6.19	5.91	5.19
22	7.22	5.07	5.41	5.84	6.15	6.95	6.93	6.49	7.41	5.66	6.01	5.29
23	7.20	5.07	5.43	5.84	6.15	6.97	6.93	6.50	6.54	5.58	6.09	4.94
24	7.19	5.07	5.53	5.85	6.16	6.97	6.92	6.49	5.69	5.78	6.22	4.24
25	7.18	5.06	5.58	5.85	6.27	6.99	6.91	6.46	4.76	5.94	6.31	3.47
26	7.17	5.06	5.60	5.83	6.32	7.00	6.89	6.44	3.86	6.08	6.38	3.17
27	7.16	5.06	5.60	5.85	6.33	7.00	6.89	6.45	3.46	6.26	5.85	3.29
28	7.15	5.08	5.60	5.85	6.34	7.00	6.86	6.50	3.69	6.43	4.88	3.40
29	7.11	5.07	5.63	5.85	6.35	7.00	6.85	6.47	3.92	6.56	3.81	3.50
30	7.10	5.08	5.65	5.84	---	6.99	6.83	6.45	4.16	6.72	2.85	3.60
31	7.11	---	5.65	5.86	---	6.99	---	6.42	---	6.88	3.06	---
MEAN	7.267	6.425	5.371	5.794	6.062	6.711	6.970	6.603	6.556	6.169	5.720	4.148
MAX	7.670	7.240	5.650	5.860	6.350	7.000	7.070	6.830	7.830	7.470	7.500	5.290
MIN	7.100	5.060	5.070	5.700	5.840	6.360	6.830	6.420	3.460	4.400	2.850	3.170

CAL YR 2003 MEAN 5.543 MAX 7.900 MIN 3.050
WTR YR 2004 MEAN 6.152 MAX 7.830 MIN 2.850

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

103087889 4-L CREEK NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'39", long 119°39'47", in SW ¼ NE ¼ sec.15, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, on left bank, 3.2 mi north of State Highway 89, and 6.5 mi east of Markleeville.

DRAINAGE AREA.—1.14 mi^2.

PERIOD OF RECORD.—October 2003 to September 2004.

GAGE.—Water-stage recorder. Elevation of gage is 6,733 ft above NGVD of 1929, from topographic map.

REMARKS.—Records fair.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 3.6 ft^3/s, Mar. 18, 2004, gage height, 4.36 ft; no flow on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.02	0.04	0.03	0.03	e0.02	0.53	0.12	0.07	0.02	0.00	0.00
2	0.00	0.02	0.04	0.02	0.03	0.03	0.36	0.11	0.07	0.02	0.00	0.00
3	0.01	0.03	0.03	0.02	0.03	0.03	0.55	0.11	0.06	0.01	0.00	0.00
4	0.01	0.03	0.03	0.04	0.03	0.02	1.0	0.11	0.06	0.01	0.00	0.00
5	0.00	0.03	0.04	0.06	0.05	0.03	1.1	0.10	0.06	0.01	0.00	0.00
6	0.01	0.03	0.05	0.03	0.07	0.02	e1.2	0.07	0.05	0.01	0.00	0.00
7	0.00	0.03	0.05	0.03	0.03	0.02	e0.99	0.07	0.05	0.01	0.00	0.00
8	0.00	0.03	0.03	0.03	0.03	0.03	e0.93	0.06	0.06	0.01	0.00	0.00
9	0.00	0.04	0.03	0.03	0.04	0.05	e0.84	0.06	0.07	0.01	0.00	0.00
10	0.01	0.04	0.03	0.03	0.04	0.07	e0.82	0.06	0.06	0.01	0.00	0.00
11	0.01	0.03	0.03	0.03	0.05	0.08	e0.88	0.07	0.05	0.01	0.00	0.00
12	0.01	0.03	0.03	0.03	0.08	0.10	e0.74	0.07	0.05	0.01	0.00	0.00
13	0.01	0.04	0.03	0.03	0.08	0.12	e0.65	0.06	0.05	0.01	0.00	0.00
14	0.01	0.03	0.03	0.03	0.05	0.54	e0.48	0.06	0.04	0.01	0.00	0.00
15	0.01	0.04	0.03	0.03	0.05	1.3	e0.44	0.07	0.04	0.00	0.00	0.00
16	0.01	0.04	0.03	0.03	0.06	1.4	e0.55	0.08	0.04	0.01	0.00	0.00
17	0.01	0.04	0.03	0.03	0.03	1.5	e0.42	0.08	0.03	0.01	0.00	0.00
18	0.01	0.03	0.03	0.03	e0.03	1.8	e0.64	0.08	0.03	0.00	0.00	0.00
19	0.01	0.04	0.03	0.03	e0.03	1.8	e0.37	0.09	0.03	0.00	0.00	0.00
20	0.01	0.04	0.03	0.03	e0.03	2.0	0.28	0.09	0.03	0.00	0.00	0.00
21	0.00	0.04	0.03	0.03	e0.03	1.9	0.37	0.09	0.03	0.00	0.00	0.00
22	0.01	0.03	0.03	0.03	e0.03	1.5	0.54	0.09	0.03	0.01	0.00	0.00
23	0.01	0.03	0.03	0.03	e0.02	1.2	0.43	0.09	0.03	0.01	0.00	0.00
24	0.01	0.04	0.04	0.02	e0.02	0.99	0.18	0.09	0.03	0.01	0.00	0.00
25	0.01	0.04	0.03	0.02	e0.02	0.66	0.16	0.09	0.03	0.00	0.00	0.00
26	0.01	0.04	0.03	0.03	e0.02	0.40	0.14	0.09	0.02	0.00	0.00	0.00
27	0.01	0.04	0.05	0.03	e0.02	0.31	0.13	0.08	0.02	0.00	0.00	0.00
28	0.01	0.04	0.03	0.03	e0.02	0.44	0.11	0.11	0.02	0.00	0.00	0.00
29	0.01	0.04	0.03	0.03	e0.02	0.62	0.14	0.09	0.02	0.00	0.00	0.00
30	0.02	0.04	0.03	0.03	---	0.84	0.17	0.08	0.02	0.00	0.00	0.00
31	0.02	---	0.03	0.03	---	0.78	---	0.08	---	0.00	0.00	---
TOTAL	0.26	1.04	1.03	0.93	1.07	20.60	16.14	2.60	1.25	0.21	0.00	0.00
MEAN	0.01	0.03	0.03	0.03	0.04	0.66	0.54	0.08	0.04	0.01	0.00	0.00
MAX	0.02	0.04	0.05	0.06	0.08	2.0	1.2	0.12	0.07	0.02	0.00	0.00
MIN	0.00	0.02	0.03	0.02	0.02	0.02	0.11	0.06	0.02	0.00	0.00	0.00
AC-FT	0.5	2.1	2.0	1.8	2.1	41	32	5.2	2.5	0.4	0.00	0.00

e Estimated.

103087891 ASPEN CREEK ABOVE LEVIATHAN MINE, NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'31", long 119°38'55", in SW ¼ SW ¼ sec.14, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, on left bank, 2.7 mi north of State Highway 89, and 2.1 mi east of Markleeville.

PERIOD OF RECORD.—October 2003 to September 2004.

GAGE.—Water-stage recorder. Elevation of gage is 7,190 ft above NGVD of 1929, from topographic map.

REMARKS.—Records poor. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 4.78 ft^3/s, Aug. 12, 2004, gage height, 1.46 ft; minimum daily, 0.08 ft^3/s, Sept. 8, 30, 2004.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.15	0.22	0.17	0.21	0.23	0.17	e0.19	0.21	0.17	0.15	0.18	0.16
2	0.14	0.21	0.17	0.20	e0.23	0.15	e0.10	0.21	0.16	0.16	0.18	0.13
3	0.13	0.20	0.17	0.16	e0.24	0.16	e0.13	0.22	0.17	0.15	0.18	0.12
4	0.13	0.20	0.17	0.16	0.24	0.16	e0.23	0.27	0.17	0.15	0.18	0.13
5	0.13	0.23	0.18	0.16	e0.26	0.16	e0.32	0.24	0.17	0.14	0.18	0.09
6	0.13	0.23	0.20	0.17	0.28	0.17	e0.15	0.22	0.18	0.14	0.17	0.09
7	0.13	0.20	0.18	0.17	e0.28	0.16	e0.11	0.23	0.17	0.14	0.17	0.09
8	0.13	0.20	0.17	0.17	e0.26	0.16	e0.09	0.24	0.17	0.14	0.17	0.08
9	0.14	0.22	0.17	0.17	0.24	0.18	e0.09	0.23	0.17	0.14	0.16	0.10
10	0.14	0.19	0.20	0.17	e0.26	0.18	e0.11	0.21	0.17	0.14	0.17	0.11
11	0.14	0.18	0.18	0.17	0.28	0.17	e0.15	0.26	0.16	0.13	0.17	0.11
12	0.14	0.18	0.17	0.17	0.31	0.16	e0.10	0.26	0.16	0.13	0.23	0.10
13	0.14	0.18	0.17	0.19	0.24	0.18	e0.17	0.26	0.16	0.13	0.17	0.12
14	0.14	0.18	e0.17	0.19	0.23	0.25	e0.10	0.21	0.16	0.13	0.16	0.11
15	0.14	0.18	e0.18	0.18	0.23	0.39	e0.17	0.20	0.16	0.13	0.17	0.09
16	0.14	0.18	0.19	0.19	0.27	0.50	e0.26	0.22	0.15	0.13	0.16	0.09
17	0.14	0.19	0.19	0.18	0.21	0.53	e0.39	0.24	0.15	0.13	0.17	0.09
18	0.16	0.19	0.19	0.18	0.26	0.69	e0.10	0.24	0.15	0.13	0.16	0.09
19	0.17	0.18	0.19	0.18	0.24	0.60	e0.13	0.24	0.15	e0.14	0.15	0.09
20	0.19	e0.18	0.19	0.19	0.24	0.44	e0.18	0.18	0.15	0.16	0.16	0.10
21	0.17	0.19	0.19	0.21	0.22	0.43	0.22	0.18	0.15	0.16	0.15	0.09
22	0.17	e0.19	0.19	e0.20	0.17	0.36	0.25	0.18	0.15	0.16	0.15	0.09
23	0.17	0.19	0.19	0.19	0.15	0.27	0.26	0.17	0.15	0.16	0.15	0.09
24	0.18	0.19	e0.19	0.23	0.14	e0.25	0.24	0.17	0.15	0.17	0.15	0.09
25	0.17	0.18	e0.19	0.23	e0.15	e0.24	0.24	0.15	0.15	0.17	0.17	0.09
26	0.18	0.19	e0.19	0.21	e0.15	e0.20	0.26	0.15	0.16	0.17	0.19	0.09
27	0.18	0.17	e0.18	0.25	0.16	e0.25	0.25	0.15	0.16	0.17	0.17	0.09
28	0.17	0.17	0.18	0.24	0.16	e0.24	0.25	0.17	0.16	0.17	0.18	0.09
29	0.20	0.17	0.19	0.24	0.16	e0.22	0.24	0.15	0.16	0.17	0.17	0.09
30	0.21	0.17	0.20	0.22	---	e0.21	0.23	0.16	0.15	0.17	0.14	0.08
31	0.22	---	0.20	0.22	---	e0.20	---	0.16	---	0.18	0.15	---
TOTAL	4.87	5.73	5.69	6.00	6.49	8.43	5.71	6.38	4.79	4.64	5.21	2.98

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

103087892 ASPEN CREEK OVERBURDEN SEEP NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'45", long 119°39'11", in NE ¼ SE ¼ sec.15, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, 2.8 mi north of State Highway 89, and 2.1 mi east of Markleeville.

PERIOD OF RECORD.—November 1998 to September 2002 (low-flow records only), April 2003 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 7,100 ft above NGVD of 1929, from topographic map.

REMARKS.—Records fair. Storms or snowmelt that cause peaks greater than 0.25 ft^3/s can bypass this site.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.0040	0.0262	0.0189	0.0113	0.0175	0.0164	0.0411	0.0241	0.0241	0.0223	0.0175	0.0151
2	e0.0040	0.0257	0.0187	0.0113	0.0177	0.0158	0.0309	0.0245	0.0238	0.0208	0.0171	0.0153
3	e0.0040	0.0254	0.0189	0.0110	0.0172	0.0163	0.0303	0.0248	0.0235	0.0200	0.0168	0.0158
4	e0.0040	0.0247	0.0195	0.0109	0.0162	0.0168	0.0321	0.0250	0.0232	0.0181	0.0164	0.0155
5	e0.0040	0.0242	0.0212	0.0109	0.0160	0.0173	0.0315	0.0253	0.0230	0.0188	0.0160	0.0157
6	e0.0040	0.0230	0.0232	0.0109	0.0166	0.0185	0.0317	0.0252	0.0230	0.0201	0.0157	0.0157
7	e0.0040	0.0229	0.0211	0.0109	0.0162	0.0189	0.0305	0.0260	0.0229	0.0148	0.0155	0.0156
8	e0.0040	0.0223	0.0192	0.0109	0.0157	0.0193	0.0327	0.0267	0.0228	0.0126	0.0154	0.0155
9	e0.0040	0.0223	0.0192	0.0137	0.0154	0.0203	0.0336	0.0269	0.0229	0.0125	0.0154	0.0158
10	e0.0040	0.0216	0.0197	0.0163	0.0152	0.0209	0.0341	0.0276	0.0224	0.0121	0.0157	0.0167
11	0.0061	0.0210	0.0198	0.0164	0.0152	0.0207	0.0340	0.0279	0.0220	0.0119	0.0157	0.0165
12	0.0067	0.0204	0.0196	0.0165	0.0148	0.0213	0.0343	0.0270	0.0218	0.0119	0.0362	0.0173
13	0.0068	0.0200	0.0199	0.0165	0.0147	0.0216	0.0320	0.0265	0.0216	0.0120	0.0160	0.0183
14	0.0075	0.0195	0.0199	0.0167	0.0147	0.0226	0.0288	0.0253	0.0216	0.0126	0.0158	0.0159
15	0.0081	0.0193	0.0194	0.0168	0.0148	0.0231	0.0281	0.0252	0.0214	0.0156	0.0156	0.0134
16	0.0095	0.0186	0.0196	0.0169	0.0168	0.0232	0.0274	0.0252	0.0216	0.0176	0.0155	0.0144
17	0.0137	0.0183	0.0197	0.0170	0.0161	0.0232	0.0269	0.0253	0.0217	0.0180	0.0155	0.0137
18	0.0153	0.0177	0.0198	0.0172	0.0154	0.0246	0.0260	0.0254	0.0215	0.0187	0.0159	0.0141
19	0.0169	0.0180	0.0205	0.0172	0.0159	0.0257	0.0253	0.0256	0.0213	0.0192	0.0167	0.0138
20	0.0185	0.0183	0.0205	0.0171	0.0172	0.0266	0.0245	0.0255	0.0212	0.0195	0.0174	0.0134
21	0.0204	0.0178	0.0200	0.0173	0.0172	0.0283	0.0238	0.0257	0.0212	0.0197	0.0164	0.0134
22	0.0233	0.0176	0.0199	0.0174	0.0172	0.0299	0.0244	0.0256	0.0210	0.0205	0.0165	0.0132
23	0.0235	0.0175	0.0202	0.0182	0.0168	0.0304	0.0235	0.0258	0.0213	0.0196	0.0163	0.0132
24	0.0236	0.0178	0.0225	0.0182	0.0168	0.0313	0.0234	0.0258	0.0211	0.0197	0.0161	0.0130
25	0.0242	0.0178	0.0211	0.0177	0.0167	0.0333	0.0235	0.0256	0.0211	0.0194	0.0163	0.0130
26	0.0252	0.0176	0.0208	0.0172	0.0167	0.0342	0.0236	0.0255	0.0223	0.0191	0.0165	0.0130
27	0.0264	0.0175	0.0205	0.0174	0.0165	0.0341	0.0239	0.0257	0.0253	0.0188	0.0159	0.0128
28	0.0273	0.0184	0.0202	0.0174	0.0162	0.0375	0.0245	0.0286	0.0251	0.0187	0.0158	0.0129
29	0.0283	0.0191	0.0209	0.0173	0.0164	0.0410	0.0243	0.0251	0.0240	0.0184	0.0155	0.0129
30	0.0287	0.0189	0.0205	0.0177	---	0.0433	0.0240	0.0244	0.0236	0.0180	0.0155	0.0127
31	0.0264	---	0.0162	0.0177	---	0.0447	---	0.0244	---	0.0178	0.0154	---
TOTAL	0.4264	0.6094	0.6211	0.4799	0.4698	0.8011	0.8547	0.7972	0.6733	0.5388	0.5180	0.4376
MEAN	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.01
MAX	0.0287	0.0262	0.0232	0.0182	0.0177	0.0447	0.0411	0.0286	0.0253	0.0223	0.0362	0.0183
MIN	0.0040	0.0175	0.0162	0.0109	0.0147	0.0158	0.0234	0.0241	0.0210	0.0119	0.0154	0.0127
AC-FT	0.8	1.2	1.2	1.0	0.9	1.6	1.7	1.6	1.3	1.1	1.0	0.9

e Estimated.

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10308789 LEVIATHAN CREEK ABOVE ASPEN CREEK, NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°43'01", long 119°39'33", in NE ¼ NW ¼ sec.15, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, on left bank, 3.2 mi north of State Highway 89, and 6.5 mi east of Markleeville.

DRAINAGE AREA.—7.07 mi^2.

PERIOD OF RECORD.—October 1998 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 6,700 ft above NGVD of 1929, from topographic map.

REMARKS.—Records fair except those below 0.5 ft^3/s, which are poor.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 24 ft^3/s, Apr. 28, 1999, gage height, 5.14 ft; no flow on some days in most years.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 10 ft^3/s, or maximum:

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 21	1830	13	4.83

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.09	0.17	0.21	0.28	e0.49	0.24	1.3	e0.84	0.29	0.32	0.00	0.01
2	0.20	0.20	0.22	0.27	e0.57	0.25	0.92	e0.76	0.26	0.26	0.00	0.01
3	0.10	0.18	0.22	0.25	e0.41	0.24	1.2	e0.74	0.23	0.08	0.00	0.02
4	0.09	0.18	0.24	0.26	e0.34	0.21	2.2	e0.70	0.21	0.06	0.00	0.02
5	0.09	0.17	0.27	0.29	e0.38	0.23	2.4	e0.69	0.18	0.05	0.00	0.02
6	0.08	0.18	0.47	0.29	0.48	0.34	1.6	e0.63	0.18	0.17	0.05	0.01
7	0.09	0.18	0.40	0.27	0.38	0.35	1.4	e0.57	0.16	0.26	0.10	0.01
8	0.09	0.21	e0.20	e0.26	e0.29	0.43	1.3	e0.53	0.16	0.22	0.10	0.01
9	0.10	e0.23	e0.22	e0.27	e0.30	0.73	1.3	e0.46	0.19	0.27	0.09	0.01
10	0.12	0.36	e0.22	0.29	e0.29	0.54	1.3	e0.44	0.35	0.27	0.09	0.01
11	0.13	0.29	0.23	0.28	e0.29	0.49	1.2	e0.57	0.31	0.26	0.09	0.01
12	0.14	0.28	0.24	0.28	e0.29	0.70	1.2	e0.44	0.15	0.26	0.49	0.01
13	0.14	0.22	0.23	e0.29	e0.30	0.82	e1.3	0.35	0.14	0.25	0.04	0.01
14	0.14	e0.23	e0.30	e0.31	e0.33	1.1	e1.5	0.41	0.12	0.25	0.03	0.02
15	0.13	0.20	0.29	0.33	0.22	2.0	e1.2	0.41	0.12	0.24	0.03	0.03
16	0.15	e0.22	0.41	e0.32	0.34	1.8	e1.6	0.39	0.18	0.25	0.03	0.02
17	0.14	0.21	0.36	0.29	0.35	2.3	e1.9	0.38	0.32	0.24	0.01	0.02
18	0.14	0.23	0.31	0.27	e0.31	3.9	e1.4	0.38	0.12	0.15	0.01	0.03
19	0.17	0.47	0.28	0.28	e0.26	5.6	e1.3	0.42	0.19	0.20	0.01	0.04
20	0.17	0.39	e0.26	0.32	e0.25	5.6	e1.2	0.41	0.24	0.24	0.03	0.04
21	0.17	0.50	e0.25	0.25	e0.24	5.8	1.3	0.41	0.36	0.21	0.02	0.04
22	0.17	0.33	e0.25	e0.25	e0.24	5.7	1.5	0.40	0.44	0.23	0.02	0.04
23	0.19	0.18	e0.29	e0.27	e0.30	4.5	1.4	0.38	0.73	0.14	0.02	0.09
24	0.18	0.22	0.53	0.28	e0.30	4.2	e1.3	0.37	0.77	0.03	0.02	0.14
25	0.16	0.18	e0.46	0.31	e0.30	3.1	e1.2	0.37	0.72	0.02	0.01	0.16
26	0.18	0.18	e0.39	0.32	e0.30	2.3	e1.1	0.36	0.61	0.01	0.01	0.09
27	0.17	0.20	0.37	e0.30	e0.30	1.9	e1.1	0.34	0.46	0.01	0.08	0.04
28	0.16	0.19	e0.36	e0.30	0.29	1.9	e1.0	0.51	0.32	0.00	0.14	0.04
29	0.16	0.19	e0.33	e0.31	0.34	2.2	e0.99	0.36	0.35	0.00	0.14	0.04
30	0.17	0.19	0.40	e0.31	---	2.9	e0.91	0.33	0.25	0.00	0.10	0.04
31	0.16	---	0.30	e0.30	---	2.2	---	0.32	---	0.00	0.02	---
TOTAL	4.37	7.16	9.51	8.90	9.48	64.57	40.52	14.67	9.11	4.95	1.78	1.08
MEAN	0.14	0.24	0.31	0.29	0.33	2.08	1.35	0.47	0.30	0.16	0.06	0.04
MAX	0.20	0.50	0.53	0.33	0.57	5.8	2.4	0.84	0.77	0.32	0.49	0.16
MIN	0.08	0.17	0.20	0.25	0.22	0.21	0.91	0.32	0.12	0.00	0.00	0.01
AC-FT	8.7	14	19	18	19	128	80	29	18	9.8	3.5	2.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	0.16	0.25	0.25	0.32	0.48	1.31	2.38	2.27	0.60	0.21	0.15	0.17
MAX	0.34	0.36	0.39	0.47	1.10	2.08	5.38	9.69	2.18	0.56	0.31	0.46
(WY)	2000	1999	1999	1999	1999	2004	1999	1999	1999	1999	1999	1999
MIN	0.08	0.16	0.15	0.16	0.20	0.71	1.30	0.47	0.12	0.07	0.04	0.04
(WY)	2002	2001	2003	2001	2001	2001	2001	2004	2001	2001	2001	2004

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	228.37		176.10			
ANNUAL MEAN	0.63		0.48		0.48	
HIGHEST ANNUAL MEAN					0.61	2003
LOWEST ANNUAL MEAN					0.30	2001
HIGHEST DAILY MEAN	5.4	Mar 26	5.8	Mar 21	17	May 7 1999
LOWEST DAILY MEAN	0.00	Aug 20	0.00	Jul 28	0.00	Aug 5 2001
ANNUAL SEVEN-DAY MINIMUM	0.02	Jul 30	0.00	Jul 28	0.00	Jul 28 2004
MAXIMUM PEAK FLOW			13	Mar 21	24	Apr 28 1999
MAXIMUM PEAK STAGE			4.83	Mar 21	5.14	Apr 28 1999
ANNUAL RUNOFF (AC-FT)	453		349		344	
10 PERCENT EXCEEDS	2.0		1.2		1.3	
50 PERCENT EXCEEDS	0.29		0.26		0.22	
90 PERCENT EXCEEDS	0.07		0.02		0.06	

e Estimated

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10308792 LEVIATHAN CREEK ABOVE MOUNTAINEER CREEK, NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°44'12", long 119°38'39", in SW ¼ SW ¼ sec.2, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, on left bank, 4.4 mi north of State Highway 89, and 7.5 mi northeast of Markleeville.

DRAINAGE AREA.—10.8 mi^2.

PERIOD OF RECORD.—December 1999 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 6,300 ft above NGVD of 1929, from topographic map.

REMARKS.—Records fair except estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 16 ft^3/s, Feb. 14, 2000, gage height, 8.05 ft; minimum daily, 0.02 ft^3/s, Aug. 11, 2001.

EXTREMES FOR CURRENT YEAR.—Peak discharges geater than base discharge of 20 ft^3/s and maximum:

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 14	1930	13	8.00

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.13	0.15	e0.17	0.48	0.69	0.62	e2.1	1.0	0.44	0.37	0.10	0.08
2	0.20	0.16	e0.18	0.46	0.80	0.61	e1.7	1.00	0.39	0.34	0.10	0.09
3	0.12	0.15	0.18	0.47	0.61	0.62	e1.7	0.95	0.33	0.15	0.10	0.10
4	0.12	0.17	0.22	0.46	0.53	0.66	e2.3	0.90	0.30	0.13	0.10	0.11
5	0.12	0.16	0.24	0.46	0.62	0.75	e2.8	0.88	0.27	0.12	0.10	0.11
6	0.12	0.16	0.41	0.52	0.88	1.2	e3.0	0.85	0.26	0.19	0.13	0.11
7	0.11	0.15	0.39	0.50	0.74	1.8	e2.0	0.82	0.25	0.31	0.22	0.10
8	0.11	0.13	0.13	0.42	0.54	2.4	e1.9	0.80	0.25	0.21	0.22	0.09
9	0.10	0.15	0.18	0.40	0.55	3.4	e1.9	0.80	0.33	0.29	0.21	0.04
10	0.12	0.31	0.17	0.40	0.54	3.7	e2.0	0.82	0.51	0.30	0.21	0.04
11	0.12	0.28	e0.20	0.39	0.59	3.8	e2.1	0.90	0.52	0.29	0.22	0.04
12	0.12	0.29	e0.25	0.38	0.58	4.1	e1.9	0.84	0.28	0.27	0.90	0.03
13	0.12	0.29	e0.25	0.37	0.65	4.6	e2.1	0.79	0.25	0.27	0.27	0.04
14	0.12	0.26	0.28	e0.40	0.67	6.4	e2.1	0.75	0.23	0.26	0.17	0.06
15	0.11	0.22	e0.40	e0.42	0.67	6.1	e1.8	0.73	0.22	0.26	0.16	0.08
16	0.12	0.21	e0.60	0.41	0.82	5.2	e2.5	0.71	0.25	0.28	0.16	0.08
17	0.12	0.21	e0.73	0.39	1.2	5.5	e2.7	0.69	0.46	0.29	0.13	0.07
18	0.12	0.21	e0.74	0.39	1.1	8.1	e1.7	0.68	0.20	0.21	0.12	0.08
19	0.12	0.36	0.67	0.39	0.88	7.3	1.6	0.70	0.25	0.18	0.13	0.09
20	0.12	0.31	0.59	0.44	0.81	6.0	1.6	0.69	0.27	0.26	0.45	0.11
21	0.12	0.37	0.46	0.36	0.74	6.7	1.5	0.69	0.44	0.25	0.18	0.12
22	0.12	0.20	0.34	0.52	0.71	6.8	1.7	0.67	0.47	0.30	0.13	0.12
23	0.12	0.26	0.37	0.68	0.57	6.2	1.5	0.63	0.78	0.23	0.13	0.14
24	0.12	0.27	0.72	0.61	0.59	5.4	1.4	0.63	0.83	0.11	0.12	0.22
25	0.13	0.24	0.60	0.48	0.75	4.5	1.3	0.62	0.76	0.11	0.11	0.20
26	0.13	0.18	0.55	0.57	0.94	3.8	1.3	0.60	0.64	0.10	0.11	0.15
27	0.13	0.16	e0.55	0.54	0.86	3.2	1.2	0.58	0.52	0.10	0.19	0.09
28	0.13	e0.16	e0.53	0.49	0.73	3.1	1.2	1.0	0.36	0.11	0.34	0.09
29	0.12	e0.16	e0.53	0.51	0.76	e3.3	1.2	0.62	0.40	0.10	0.27	0.10
30	0.12	e0.17	0.67	0.46	---	e3.7	1.1	0.56	0.30	0.10	0.21	0.11
31	0.12	---	0.52	0.50	---	e3.0	---	0.53	---	0.10	0.12	---
TOTAL	3.80	6.50	12.82	14.27	21.12	122.56	54.9	23.43	11.76	6.59	6.11	2.89
MEAN	0.12	0.22	0.41	0.46	0.73	3.95	1.83	0.76	0.39	0.21	0.20	0.10
MAX	0.20	0.37	0.74	0.68	1.2	8.1	3.0	1.0	0.83	0.37	0.90	0.22
MIN	0.10	0.13	0.13	0.36	0.53	0.61	1.1	0.53	0.20	0.10	0.10	0.03
AC-FT	7.5	13	25	28	42	243	109	46	23	13	12	5.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	0.23	0.48	0.49	0.83	0.95	2.45	2.84	1.14	0.41	0.24	0.26	0.23
MAX	0.34	0.66	0.65	1.70	1.40	3.95	3.83	2.30	0.70	0.39	0.46	0.29
(WY)	2001	2002	2003	2003	2000	2004	2002	2003	2003	2000	2000	2000
MIN	0.12	0.22	0.41	0.43	0.62	1.56	1.83	0.76	0.21	0.13	0.11	0.10
(WY)	2004	2004	2004	2002	2002	2001	2004	2004	2001	2001	2001	2004

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	403.30		286.75			
ANNUAL MEAN	1.10		0.78		0.85	
HIGHEST ANNUAL MEAN					1.15	2003
LOWEST ANNUAL MEAN					0.65	2001
HIGHEST DAILY MEAN	6.1	Mar 26	8.1	Mar 18	8.1	Mar 18 2004
LOWEST DAILY MEAN	0.10	Oct 9	0.03	Sep 12	0.02	Aug 11 2001
ANNUAL SEVEN-DAY MINIMUM	0.11	Oct 3	0.05	Sep 9	0.05	Sep 9 2004
MAXIMUM PEAK FLOW			13	Mar 14	16	Feb 14 2000
MAXIMUM PEAK STAGE			8.00	Mar 14	8.05	Feb 14 2000
ANNUAL RUNOFF (AC-FT)	800		569		619	
10 PERCENT EXCEEDS	3.0		1.9		2.3	
50 PERCENT EXCEEDS	0.65		0.37		0.46	
90 PERCENT EXCEEDS	0.13		0.11		0.12	

e Estimated.

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10308794 BRYANT CREEK BELOW CONFLUENCE, NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°44'12", long 119°38'39", in SW ¼ SW ¼ sec.2, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, on left bank, 4.4 mi north of State Highway 89, and 7.5 mi northeast of Markleeville.

DRAINAGE AREA.—12.4 mi^2.

PERIOD OF RECORD.—November 1998 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 6,300 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 44 ft^3/s, Apr. 19, 1999, gage height, 5.35 ft, maximum gage height, 7.39 ft, Nov. 12, 2000, backwater from ice; minimum daily, 0.54 ft^3/s, Aug. 18, 2003.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 40 ft^3/s or maximum:

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 19	1545	42	5.33

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.63	1.6	1.0	1.4	2.1	2.4	e3.0	2.6	1.5	1.1	0.73	0.75
2	0.76	1.5	1.1	1.5	2.3	2.3	e2.2	2.4	1.5	1.1	0.73	0.80
3	0.69	1.5	1.2	1.6	2.5	2.3	e2.2	2.3	1.4	0.96	0.75	0.90
4	0.68	1.2	1.0	e1.6	1.9	2.4	e3.6	2.2	1.3	0.88	0.78	0.89
5	0.66	1.3	0.98	e1.5	2.0	2.6	e4.2	2.3	1.2	0.81	0.77	0.88
6	0.72	1.1	1.3	e1.5	2.2	3.7	e4.4	2.3	1.3	0.89	0.77	0.90
7	0.74	1.1	1.6	e1.6	2.0	4.9	e3.1	2.1	1.2	0.97	0.89	0.90
8	0.73	1.1	e1.6	1.8	2.0	6.1	e2.8	2.1	1.2	0.87	0.86	0.88
9	0.70	1.3	e1.6	1.8	2.0	7.4	e2.7	2.2	1.3	0.97	0.81	0.83
10	0.82	1.8	1.5	1.7	1.9	8.0	e2.7	2.2	1.3	0.98	0.84	0.81
11	0.89	1.8	e1.5	1.8	2.0	7.4	e2.8	2.4	1.3	1.00	0.81	0.74
12	0.88	1.9	e1.5	1.8	2.0	7.8	e2.5	2.1	1.0	0.95	2.1	0.73
13	0.88	1.8	e1.7	1.9	2.2	8.4	e2.5	2.1	0.98	0.97	1.3	0.74
14	0.85	1.4	2.1	2.1	2.1	11	e2.7	1.9	0.97	0.93	0.94	0.77
15	0.87	1.4	e2.0	2.1	2.0	12	e2.3	1.9	0.91	0.93	0.95	0.83
16	0.87	1.4	e2.0	e2.1	2.3	11	3.5	1.9	0.92	0.95	1.0	0.82
17	0.88	1.8	e2.0	e2.1	2.5	11	3.7	1.9	1.2	1.0	0.86	0.79
18	0.97	1.6	e2.0	e2.1	2.5	17	3.7	1.8	0.86	0.94	0.86	0.85
19	1.1	1.8	1.9	e2.1	2.2	21	3.3	1.9	0.96	1.00	0.87	0.96
20	1.0	1.7	1.4	e2.1	2.1	22	3.1	1.8	0.98	1.0	1.7	0.98
21	0.98	e1.5	1.4	1.9	2.1	18	3.2	1.9	1.1	1.00	1.1	0.97
22	1.0	1.1	1.4	e1.8	2.1	16	3.6	1.9	1.1	1.1	1.00	0.97
23	1.0	e1.1	0.94	e1.9	2.0	13	3.3	1.8	1.5	0.98	0.92	1.00
24	1.2	e1.1	1.2	1.9	2.0	10	3.1	1.8	1.6	0.83	0.89	1.1
25	1.3	e1.1	1.0	1.8	2.3	9.6	3.2	1.8	1.5	0.87	0.91	1.1
26	1.3	1.1	1.1	1.9	2.8	7.7	3.1	1.7	1.2	0.78	0.99	1.0
27	1.4	1.2	e1.1	1.8	2.7	5.7	3.0	1.8	1.2	0.76	1.0	0.91
28	1.5	1.2	e1.1	1.8	2.3	4.8	2.7	2.8	1.1	0.79	1.1	0.91
29	1.5	1.1	e1.1	1.8	2.9	4.6	3.0	1.9	1.2	0.73	1.1	0.96
30	1.6	1.0	1.4	1.8	---	e4.9	2.8	1.7	0.98	0.75	1.0	1.0
31	1.6	---	1.3	1.8	---	e4.0	---	1.6	---	0.76	0.83	---
TOTAL	30.70	41.6	44.02	56.4	64.0	269.0	92.0	63.1	35.76	28.55	30.16	26.67
MEAN	0.99	1.39	1.42	1.82	2.21	8.68	3.07	2.04	1.19	0.92	0.97	0.89
MAX	1.6	1.9	2.1	2.1	2.9	22	4.4	2.8	1.6	1.1	2.1	1.1
MIN	0.63	1.0	0.94	1.4	1.9	2.3	2.2	1.6	0.86	0.73	0.73	0.73
AC-FT	61	83	87	112	127	534	182	125	71	57	60	53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	1.50	1.83	1.89	2.54	2.88	5.38	6.74	5.49	2.23	1.29	1.25	1.42
MAX	2.47	2.59	2.48	3.26	4.78	8.68	15.6	19.2	6.12	2.61	2.53	2.66
(WY)	2000	2000	2000	1999	1999	2004	1999	1999	1999	1999	1999	1999
MIN	0.99	1.39	1.28	1.77	2.06	3.53	3.07	1.91	1.09	0.91	0.79	0.84
(WY)	2004	2004	2003	2001	2001	2001	2004	2001	2001	2003	2002	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004		
ANNUAL TOTAL	902.43		781.96				
ANNUAL MEAN	2.47		2.14		2.29		
HIGHEST ANNUAL MEAN					2.79		2000
LOWEST ANNUAL MEAN					1.89		2001
HIGHEST DAILY MEAN	11	Mar 26	22	Mar 20	29	Apr 21	1999
LOWEST DAILY MEAN	0.54	Aug 18	0.63	Oct 1	0.54	Aug 18	2003
ANNUAL SEVEN-DAY MINIMUM	0.70	Sep 30	0.70	Oct 1	0.69	Aug 16	2002
MAXIMUM PEAK FLOW			42	Mar 19	44	Apr 19	1999
MAXIMUM PEAK STAGE			5.33	Mar 19	7.39	Nov 12	2000
ANNUAL RUNOFF (AC-FT)	1790		1550		1660		
10 PERCENT EXCEEDS	5.9		3.2		4.4		
50 PERCENT EXCEEDS	1.6		1.5		1.8		
90 PERCENT EXCEEDS	0.81		0.83		0.90		

e Estimated.

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10308800 BRYANT CREEK NEAR GARDNERVILLE, NV

LOCATION.--Lat 38°47'38", long 119°40'18" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 30, T.11 N., R.21 E., Douglas County, Hydrologic Unit 16050201, on right bank, 500 ft upstream from Doud Springs, 1.7 mi upstream from mouth, and 11 mi southeast of Gardnerville.

DRAINAGE AREA.--31.5 mi^2.

PERIOD OF RECORD.--May 1961 to September 1969, October 1977 to September 1980, April 1994 to current year; October 1969 to September 1973 (annual maximum).

GAGE.--Water-stage recorder. Datum of gage is 5,445.91 ft above National Geodetic Vertical Datum of 1929. Prior to July 22, 1963, at same site at datum 0.04 ft higher. Prior to April 1994 at site 50 ft downstream at datum 3.79 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversions above station. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,360 ft^3/s, January 02, 1997, gage height, 8.70 ft; minimum daily, 0.78 ft^3/s, August 19, 2003.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
March 18	2130	*70	*6.27	April 4	2145	22	6.03

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	e2.0	2.4	3.3	2.5	4.4	7.5	4.4	3.2	4.3	1.4	1.5
2	1.9	e2.1	2.3	3.2	2.6	4.4	6.3	4.0	2.8	4.4	1.4	1.5
3	1.9	e2.3	2.4	2.8	2.5	4.2	6.2	3.8	2.4	3.6	1.7	1.7
4	2.0	e2.0	e2.1	2.9	2.4	4.2	8.5	3.6	2.2	2.8	1.7	1.8
5	1.9	e2.3	2.6	3.1	2.2	4.3	13	3.7	2.0	2.6	1.6	1.8
6	1.9	e2.2	2.9	3.1	2.6	5.0	12	3.5	1.9	2.3	1.6	1.7
7	1.9	e2.1	3.3	3.1	2.6	6.2	10	3.4	1.9	2.8	1.7	1.7
8	1.8	e2.1	2.2	3.1	2.2	7.0	9.8	3.3	2.1	2.1	1.7	1.6
9	1.8	e2.0	e2.3	3.1	2.5	7.9	9.4	3.2	2.6	2.1	1.6	1.5
10	e1.5	e2.0	2.8	3.0	2.4	9.1	8.9	3.2	2.8	2.2	1.6	1.5
11	e1.9	e2.0	2.6	3.0	2.3	8.6	8.4	3.5	3.0	2.2	1.6	1.5
12	e1.7	e2.2	2.5	3.0	2.3	8.5	8.1	3.5	2.3	2.0	1.7	1.5
13	e1.7	e2.2	2.9	2.9	2.3	8.9	7.9	3.4	2.4	1.9	2.4	1.6
14	e1.9	e2.2	2.6	2.9	2.3	12	7.4	3.2	3.5	1.9	1.8	1.7
15	e1.9	e1.9	2.2	2.9	2.3	17	7.0	3.1	3.6	1.9	1.7	1.7
16	e1.8	e2.1	2.4	2.9	2.5	15	6.9	3.0	3.4	2.1	1.8	1.7
17	e1.8	e2.3	2.7	2.9	2.7	13	7.1	2.8	4.1	2.3	1.6	1.7
18	e1.7	e2.2	2.8	3.0	2.9	24	6.7	2.8	3.8	2.0	1.6	1.7
19	1.8	e2.1	3.1	2.8	2.5	30	6.5	2.7	3.5	1.6	1.6	1.9
20	e1.8	e2.0	3.1	2.9	2.5	22	6.2	2.6	3.3	2.0	1.9	2.1
21	e1.8	e2.0	3.0	2.8	2.4	22	6.0	2.5	3.7	1.9	2.2	2.2
22	e1.9	e2.1	2.8	2.2	2.5	19	6.5	2.4	3.6	2.2	1.8	2.1
23	1.9	e2.2	2.8	2.9	2.4	15	6.3	2.2	4.4	2.4	1.8	2.1
24	e2.1	e2.2	3.3	3.0	2.3	12	5.8	2.1	5.2	1.6	1.7	2.2
25	e1.9	2.3	3.4	2.8	5.1	10	5.5	2.1	5.2	1.4	1.6	2.2
26	e2.0	2.1	2.7	2.6	6.3	8.8	5.2	1.9	4.9	1.3	1.6	2.1
27	e2.1	e2.2	2.3	2.8	5.0	7.6	4.9	1.7	4.9	1.3	1.8	1.9
28	e2.2	2.5	2.5	2.7	4.9	7.3	4.8	4.5	4.3	1.3	2.0	2.0
29	2.3	2.6	3.2	2.7	4.4	7.6	4.7	4.2	4.3	1.3	1.9	2.0
30	e2.2	2.4	3.4	2.6	---	8.3	4.5	3.8	4.2	1.3	1.8	2.1
31	e2.1	---	3.3	2.6	---	8.1	---	3.4	---	1.3	1.7	---
TOTAL	59.0	64.9	84.9	89.6	84.4	341.4	218.0	97.5	101.5	66.4	53.6	54.3
MEAN	1.90	2.16	2.74	2.89	2.91	11.0	7.27	3.15	3.38	2.14	1.73	1.81
MAX	2.3	2.6	3.4	3.3	6.3	30	13	4.5	5.2	4.4	2.4	2.2
MIN	1.5	1.9	2.1	2.2	2.2	4.2	4.5	1.7	1.9	1.3	1.4	1.5
AC-FT	117	129	168	178	167	677	432	193	201	132	106	108

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2004, BY WATER YEAR (WY)

MEAN	3.12	3.45	3.92	8.28	7.02	13.9	18.3	19.9	8.49	3.82	2.97	3.03
MAX	4.43	4.62	10.7	59.1	21.2	52.0	71.8	71.5	33.9	9.16	5.59	5.05
(WY)	(1999)	(1999)	(1997)	(1997)	(1996)	(1995)	(1969)	(1969)	(1995)	(1969)	(1969)	(1969)
MIN	1.90	2.15	2.25	2.23	2.91	4.32	5.75	3.15	2.09	1.83	1.73	1.41
(WY)	(2004)	(1962)	(1962)	(1962)	(2004)	(1964)	(2001)	(2004)	(2001)	(1961)	(1994)	(2003)

10308800 BRYANT CREEK NEAR GARDNERVILLE, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1961 - 2004	
ANNUAL TOTAL	1,286.29		1,315.5			
ANNUAL MEAN	3.52		3.59		8.16	
HIGHEST ANNUAL MEAN					20.0	1969
LOWEST ANNUAL MEAN					3.22	2001
HIGHEST DAILY MEAN	12	Mar 26	30	Mar 19	600	Jan 2, 1997
LOWEST DAILY MEAN	0.78	Aug 19	1.3	Jul 26	0.78	Aug 19, 2003
ANNUAL SEVEN-DAY MINIMUM	1.0	Sep 22	1.3	Jul 25	1.0	Sep 22, 2003
MAXIMUM PEAK FLOW			70	Mar 18	1,360	Jan 2, 1997
MAXIMUM PEAK STAGE			6.27	Mar 18	8.70	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	2,550		2,610		5,910	
10 PERCENT EXCEEDS	6.9		7.0		16	
50 PERCENT EXCEEDS	2.8		2.5		4.0	
90 PERCENT EXCEEDS	1.5		1.7		2.3	

e Estimated

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10309000 EAST FORK CARSON RIVER NEAR GARDNERVILLE, NV

LOCATION.--Lat 38°50'42", long 119°42'13" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec. 02, T.11 N., R.20 E., Douglas County, Hydrologic Unit 16050201, on left bank, at lower end of Horseshoe Bend, 2 mi east of mud Lake Reservoir, 4.5 mi downstream from Bryant Creek, 7 mi southeast of Gardnerville, and at mi 99.90 upstream from Lahontan Dam.

DRAINAGE AREA.--356 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1890 to December 1893, October 1900 to December 1906 (gage heights only August to December 1904 and July 1905 to December 1906), January 1908 to December 1910, June to October 1917, December 1924 to September 1928, June to September 1929, October 1935 to December 1937, and May 1939 to current year.

REVISED RECORDS.--WSP 1214: 1938 (M), 1942-43 (M), 1945 (M). WSP 1514: 1909-10. WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,987.68 ft above National Geodetic Vertical Datum of 1929. Prior to May 19, 1939, nonrecording gages at several sites within 2 mi of present site at various datums. Prior to July 20, 2001, at site 300 ft downstream and 2.57 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Station is above all diversions in Carson Valley. Diversions for irrigation above station. Flow slightly regulated by several small reservoirs, total capacity, about 5,000 acre-ft. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,300 ft^3/s, January 2, 1997, gage height, 13.00 ft; minimum daily, 11 ft^3/s, September 4, 1977.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 5	0030	*1,580	*5.84	May 28	1245	1,390	5.62

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	62	55	93	94	204	637	791	715	207	78	49
2	62	60	53	90	104	198	517	928	720	193	80	44
3	65	62	52	89	103	184	479	1,130	740	193	81	52
4	64	62	50	e87	98	183	569	1,280	724	180	88	57
5	64	63	54	e92	97	190	720	1,360	683	169	97	50
6	64	68	138	e95	95	203	794	1,270	671	165	106	46
7	63	68	188	e99	109	230	682	1,100	663	169	110	44
8	63	67	99	106	92	264	707	1,010	583	154	97	43
9	61	78	70	113	99	311	735	987	509	145	88	46
10	60	58	84	108	99	373	757	972	446	137	83	47
11	61	57	71	107	90	400	714	802	427	125	81	41
12	62	65	61	107	92	397	742	684	418	122	75	40
13	62	68	78	104	92	415	799	677	420	121	79	39
14	64	64	80	102	100	438	718	733	438	120	94	41
15	64	68	70	104	97	544	636	757	437	117	81	45
16	63	64	e74	101	115	553	549	754	417	118	93	41
17	62	63	e78	103	264	533	489	786	410	115	84	39
18	63	64	e82	102	264	576	436	763	399	108	76	39
19	63	62	e86	102	207	694	409	671	393	103	77	47
20	63	65	e77	106	181	706	390	663	372	97	79	50
21	63	63	e78	107	170	823	388	631	353	101	70	50
22	63	59	80	102	168	e880	391	601	334	107	66	50
23	61	59	84	106	168	e830	367	605	322	105	72	49
24	60	58	128	111	162	e830	405	593	311	100	73	47
25	59	58	171	101	231	e750	485	570	292	88	63	45
26	60	50	123	95	285	e530	609	553	271	87	66	48
27	61	49	102	103	192	e460	781	591	256	87	70	50
28	61	55	e97	97	185	e440	930	1,080	246	85	66	51
29	60	57	e95	99	188	e460	882	899	233	85	63	52
30	59	56	e92	98	---	e550	739	737	223	82	58	52
31	61	---	92	98	---	624	---	731	---	80	56	---
TOTAL	1,923	1,852	2,742	3,127	4,241	14,773	18,456	25,709	13,426	3,865	2,450	1,394
MEAN	62.0	61.7	88.5	101	146	477	615	829	448	125	79.0	46.5
MAX	65	78	188	113	285	880	930	1,360	740	207	110	57
MIN	59	49	50	87	90	183	367	553	223	80	56	39
AC-FT	3,810	3,670	5,440	6,200	8,410	29,300	36,610	50,990	26,630	7,670	4,860	2,760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1890 - 2004, BY WATER YEAR (WY)

MEAN	98.4	138	175	192	224	307	607	1,193	1,013	408	152	104
MAX	416	1,110	1,127	1,789	947	1,038	1,140	2,541	3,056	1,794	597	416
(WY)	(1893)	(1951)	(1951)	(1997)	(1986)	(1986)	(1969)	(1890)	(1983)	(1890)	(1890)	(1893)
MIN	31.2	37.9	34.0	31.9	31.1	67.8	185	205	138	62.9	29.5	19.4
(WY)	(1989)	(1991)	(1901)	(1904)	(1903)	(1977)	(1977)	(1977)	(1992)	(1977)	(1977)	(1977)

10309000 EAST FORK CARSON RIVER NEAR GARDNERVILLE, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1890 - 2004	
ANNUAL TOTAL	112,441		93,958			
ANNUAL MEAN	308		257		379	
HIGHEST ANNUAL MEAN					905	1893
LOWEST ANNUAL MEAN					91.6	1977
HIGHEST DAILY MEAN	2,540	May 29	1,360	May 5	17,000	Jan 2, 1997
LOWEST DAILY MEAN	49	Nov 27	39	Sep 13	11	Sep 4, 1977
ANNUAL SEVEN-DAY MINIMUM	54	Nov 26	41	Sep 12	12	Sep 2, 1977
MAXIMUM PEAK FLOW			1,580	May 5	20,300	Jan 2, 1997
MAXIMUM PEAK STAGE			5.84	May 5	13.00	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	223,000		186,400		274,600	
10 PERCENT EXCEEDS	874		721		1,050	
50 PERCENT EXCEEDS	133		102		158	
90 PERCENT EXCEEDS	62		55		58	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955-72, 1977-84, 1990 to November 1996, February 2002 to August 2004.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1993 to September 1996, February 2002 to August 2004, discontinued.
WATER TEMPERATURE: July 1955 to June 1966, November 1966 to September 1972, November 1993 to September 1996, and February 2002 to August 2004, discontinued.

INSTRUMENTATION.--Specific conductance monitor since November 1993 to September 1996, February to September 2002, hourly. Water temperature recorder July 1955 to June 1966 and November 1966 to September 1972 provided continuous recordings. Water temperature monitor November 1993 to September 1996 and Februrary 2002 to August 2004, hourly.

REMARKS.--Instantaneous specific-conductance and water-temperature measurements during a site visit can be slightly outside the range of values recorded during the same day by the water-quality monitor. This presumably is due to fluctuations in conductance and temperature during the interval between periodic monitor recordings. Records represent water temperature at probe within 0.5°C.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 375 microsiemens, cm at 25°C, September 28, 29, 1994; minimum daily, 24 microsiemens, cm at 25°C, May 17, 1996.
WATER TEMPERATURE: Maximum daily, 29.5°C, August 7, 1960; minimum, -0.5°C, on several days in water years 2003 and 2004.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 274 microsiemens/cm at 25°C, November 24; minimum, 52 microsiemens/cm at 25°C, April 28, 29, May 5.
WATER TEMPERATURE: Maximum, 26.5°C, July 25, August 11; minimum, -0.5°C, on several days.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	239	228	232	234	232	233	229	226	228	241	221	229
2	229	218	224	235	229	231	233	228	230	230	223	227
3	226	220	223	253	232	243	234	229	231	233	224	230
4	223	217	220	237	226	231	240	232	235	256	233	241
5	225	219	222	253	235	245	248	237	244	257	247	253
6	226	221	224	239	230	233	237	187	212	247	221	236
7	227	221	224	241	229	236	194	185	189	221	203	211
8	229	222	226	233	229	230	210	187	198	208	203	205
9	231	224	228	239	223	229	225	210	217	209	203	206
10	231	225	228	240	219	227	226	213	218	211	204	207
11	231	224	227	253	240	247	220	210	215	213	208	211
12	229	222	226	251	231	239	241	218	224	213	205	210
13	229	221	225	235	217	225	242	216	231	211	194	202
14	232	224	228	222	212	216	216	207	212	198	192	196
15	234	224	229	228	215	221	243	210	223	197	190	195
16	236	224	230	222	214	216	254	240	249	201	193	197
17	244	227	233	227	219	223	240	223	232	200	191	197
18	240	228	234	221	216	219	228	222	225	197	194	196
19	240	230	235	226	218	222	226	217	220	199	192	195
20	241	230	235	226	219	223	219	215	218	199	191	194
21	241	233	237	226	220	224	218	213	215	195	192	193
22	241	233	237	231	224	227	226	215	218	214	195	201
23	242	234	238	263	228	244	229	225	226	230	197	217
24	241	235	238	274	249	268	226	214	223	200	191	196
25	238	234	236	249	235	240	214	197	203	198	189	193
26	238	231	235	249	227	235	223	205	215	208	196	201
27	239	232	236	257	236	243	246	223	233	207	193	199
28	240	235	238	257	233	239	268	246	258	203	194	198
29	246	239	241	237	231	233	268	256	261	203	198	200
30	246	232	237	232	227	228	264	251	261	201	200	200
31	233	227	230	---	---	---	251	241	246	201	199	200
MONTH	246	217	231	274	212	232	268	185	226	257	189	208

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	206	198	201	208	193	200	90	86	88	62	57	59
2	205	192	199	195	187	192	89	84	87	62	56	59
3	207	194	201	206	191	198	94	86	90	61	55	57
4	211	204	208	220	198	208	96	89	92	59	54	57
5	215	200	207	214	199	206	90	79	84	58	52	55
6	224	202	213	213	198	206	87	73	78	65	53	57
7	204	195	198	210	188	199	83	77	80	62	57	59
8	225	199	208	204	184	190	86	83	84	64	59	61
9	224	201	213	185	172	176	86	82	84	65	61	63
10	208	200	204	172	156	161	85	82	83	65	56	60
11	222	201	208	156	146	150	85	81	83	60	57	58
12	218	205	211	151	147	149	84	81	82	62	59	61
13	216	203	210	148	142	144	85	81	83	67	62	66
14	213	201	206	145	138	141	88	84	86	70	67	68
15	206	200	203	155	113	131	88	79	81	70	67	69
16	205	203	204	129	72	80	85	81	83	72	68	70
17	203	146	154	85	75	80	84	59	64	72	70	71
18	166	152	159	87	77	82	66	61	63	72	69	71
19	189	166	179	81	78	80	69	65	66	71	69	70
20	196	187	191	86	74	78	72	67	68	71	69	70
21	202	196	197	86	80	83	73	70	72	70	69	70
22	205	200	202	85	78	81	73	72	73	72	69	71
23	210	199	206	81	77	78	79	72	75	73	71	72
24	216	208	212	81	76	78	79	73	75	73	71	72
25	217	170	209	81	78	80	102	74	85	73	71	72
26	176	148	164	80	74	78	102	54	64	74	72	73
27	195	176	184	82	74	78	62	54	56	73	72	73
28	207	184	190	86	81	83	58	52	55	72	65	70
29	211	195	204	89	82	85	58	52	55	69	63	65
30	---	---	---	94	87	90	61	57	59	67	65	66
31	---	---	---	92	88	90	---	---	---	66	65	65
MONTH	225	146	198	220	72	128	102	52	76	74	52	65
		JUNE			JULY			AUGUST			SEPTEMBER	
1	67	64	66	107	102	104	166	158	162	---	---	---
2	68	65	66	110	105	108	167	161	164	---	---	---
3	68	66	67	111	106	109	164	158	161	---	---	---
4	68	65	66	115	108	112	161	154	160	---	---	---
5	67	64	66	118	113	115	154	144	149	---	---	---
6	67	65	66	119	115	117	144	135	140	---	---	---
7	67	64	65	119	112	116	136	133	134	---	---	---
8	66	64	65	123	116	120	141	131	136	---	---	---
9	68	66	67	125	120	122	149	136	144	---	---	---
10	72	67	69	127	122	124	153	145	149	---	---	---
11	76	71	73	131	125	128	155	149	152	---	---	---
12	79	74	77	137	129	133	160	151	156	---	---	---
13	81	78	79	139	134	137	168	159	163	---	---	---
14	80	78	79	139	101	135	164	157	160	---	---	---
15	79	77	78	140	115	136	177	162	169	---	---	---
16	78	71	74	141	137	139	178	167	172	---	---	---
17	74	72	73	144	140	142	177	168	172	---	---	---
18	75	73	74	149	143	146	181	175	179	---	---	---
19	76	75	76	153	147	150	181	168	178	---	---	---
20	79	76	77	157	150	153	168	156	163	---	---	---
21	82	79	80	157	155	156	179	165	174	---	---	---
22	84	82	83	158	145	149	182	178	180	---	---	---
23	85	82	83	148	144	146	182	168	176	---	---	---
24	85	83	84	147	144	146	168	163	167	---	---	---
25	88	84	86	152	145	148	---	---	---	---	---	---
26	91	87	89	155	149	152	---	---	---	---	---	---
27	94	89	92	157	151	154	---	---	---	---	---	---
28	97	92	95	158	151	156	---	---	---	---	---	---
29	100	95	97	158	151	154	---	---	---	---	---	---
30	102	99	101	161	153	157	---	---	---	---	---	---
31	---	---	---	163	156	159	---	---	---	---	---	---
MONTH	102	64	77	163	101	136	182	131	161	---	---	---
YEAR	274	52	158									

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.5	13.5	16.5	6.0	2.5	4.0	5.0	1.0	3.0	1.0	0.0	0.0
2	18.5	12.5	16.0	5.0	0.5	3.0	6.0	1.5	3.5	0.5	0.0	0.0
3	19.5	12.0	15.5	7.0	2.0	4.0	6.0	1.5	3.5	0.0	0.0	0.0
4	19.0	13.0	15.5	6.5	0.5	3.5	4.5	1.0	3.0	0.0	0.0	0.0
5	18.5	12.0	15.5	7.0	2.5	4.5	9.0	4.5	6.5	0.0	0.0	0.0
6	19.0	12.0	15.0	5.5	1.5	3.5	6.5	5.0	5.5	0.0	0.0	0.0
7	19.0	12.5	15.5	7.0	3.0	5.0	6.0	3.0	4.5	0.0	0.0	0.0
8	18.5	12.0	15.0	6.5	3.5	5.0	4.0	1.0	2.5	3.0	0.0	1.0
9	18.0	12.0	14.5	5.5	3.0	4.5	3.0	0.0	1.5	3.0	0.0	1.0
10	15.5	10.0	12.5	6.5	1.0	4.0	2.5	0.5	1.0	3.5	0.0	1.5
11	15.0	7.5	11.0	6.5	1.0	4.0	3.5	0.0	1.5	2.5	0.0	1.0
12	16.5	9.5	12.5	5.0	1.5	3.5	2.5	-0.5	1.0	3.0	0.0	1.5
13	14.5	7.5	11.0	7.0	3.0	4.5	4.5	2.5	3.0	4.0	0.0	2.0
14	15.0	8.0	11.0	6.5	2.0	4.0	3.0	-0.5	1.5	3.5	0.0	1.5
15	14.0	8.0	11.0	5.5	3.5	4.5	0.5	-0.5	0.0	4.0	0.0	2.0
16	15.0	7.5	11.5	6.5	1.5	4.0	0.0	0.0	0.0	3.5	-0.5	1.5
17	15.0	8.5	12.0	8.5	4.0	6.0	0.5	0.0	0.0	3.5	0.0	1.5
18	14.0	8.0	11.0	8.0	2.5	5.5	1.0	0.0	0.0	4.0	0.5	2.0
19	15.0	9.0	12.0	8.5	3.0	5.5	3.0	0.0	1.0	4.5	0.0	2.0
20	16.0	8.5	12.5	9.5	4.0	6.0	3.5	1.5	2.5	2.5	0.5	1.5
21	16.0	9.0	12.5	6.0	2.0	4.0	5.5	2.0	3.5	3.0	0.0	1.0
22	15.5	9.5	12.5	3.5	0.0	1.0	3.5	1.0	2.5	2.5	0.0	0.5
23	16.0	10.0	12.5	2.0	0.0	0.5	3.5	1.5	2.0	2.5	0.0	0.5
24	13.5	7.5	10.5	4.0	0.0	1.5	3.5	1.5	2.5	4.0	0.0	1.5
25	12.5	6.5	9.5	4.5	0.0	2.0	2.5	0.0	1.5	3.5	0.0	1.5
26	12.5	5.5	9.0	4.0	0.0	1.5	2.0	0.0	0.5	1.5	-0.5	0.5
27	13.0	6.0	9.5	3.0	0.0	1.0	0.0	0.0	0.0	4.5	0.5	2.0
28	13.5	6.5	10.0	3.5	0.5	2.0	0.0	0.0	0.0	4.0	0.0	2.0
29	14.5	9.0	11.0	5.0	2.5	4.0	0.0	0.0	0.0	5.5	1.0	3.0
30	9.5	5.0	7.5	4.5	3.0	3.5	1.0	0.0	0.0	4.5	2.0	3.5
31	5.5	3.0	4.0	---	---	---	2.5	0.0	1.0	5.5	1.5	3.0
MONTH	20.5	3.0	12.1	9.5	0.0	3.6	9.0	-0.5	1.9	5.5	-0.5	1.3
		FEBRUARY			MARCH			APRIL			MAY	
1	4.5	1.0	2.5	5.0	2.5	4.0	8.0	4.0	6.0	11.5	6.0	9.0
2	3.0	0.0	2.0	4.0	2.0	3.0	8.5	3.0	5.5	12.5	7.0	10.0
3	2.5	0.0	1.0	6.0	1.0	3.5	10.5	5.0	8.0	12.0	7.0	9.5
4	3.0	0.0	1.0	8.0	3.0	5.5	10.5	6.0	8.5	12.0	6.5	9.5
5	3.5	0.0	1.0	7.5	4.0	5.5	10.5	6.0	8.5	11.0	6.5	8.5
6	4.5	0.0	1.5	9.5	4.0	6.5	9.5	5.5	7.5	10.0	6.5	8.5
7	4.5	0.0	2.0	9.5	4.0	7.0	10.0	4.5	7.5	11.0	5.5	8.5
8	4.0	0.0	1.5	10.5	4.0	7.5	10.5	5.5	8.0	11.5	6.0	9.0
9	4.0	0.0	1.5	10.5	4.5	7.5	9.5	6.0	8.0	11.5	6.5	9.5
10	4.5	0.0	2.0	10.5	5.0	7.5	9.0	5.5	7.5	11.0	7.0	9.5
11	5.0	0.0	2.0	9.0	3.5	6.5	10.0	5.0	7.5	10.5	6.0	8.5
12	4.5	0.0	2.0	9.5	4.0	6.5	9.5	6.5	8.0	12.0	5.5	9.0
13	1.5	-0.5	0.5	9.5	4.0	6.5	9.0	7.0	8.0	13.0	7.0	10.5
14	5.0	-0.5	2.0	10.0	4.5	7.5	9.5	5.5	7.5	13.0	8.0	11.0
15	4.5	1.0	3.0	9.5	5.0	7.5	9.5	4.5	7.0	12.0	8.0	10.5
16	7.0	3.0	5.0	8.5	4.5	6.5	10.0	4.0	7.0	13.0	7.5	10.5
17	4.5	2.5	3.5	9.0	4.0	7.0	8.5	4.5	6.5	13.5	8.0	11.0
18	4.0	2.5	3.0	10.0	4.5	7.0	7.5	3.5	5.5	12.5	7.0	10.0
19	6.5	1.0	3.5	9.0	5.5	7.5	9.5	4.0	6.5	13.0	7.5	10.5
20	5.0	2.5	3.5	9.0	5.0	7.0	10.5	5.5	7.5	13.0	7.5	10.5
21	5.5	2.5	3.5	9.0	5.5	7.5	11.5	6.0	9.0	12.0	7.5	9.5
22	5.0	3.0	4.0	9.0	6.0	7.5	10.0	6.5	8.0	13.5	7.5	10.5
23	7.0	3.0	4.5	8.5	5.5	7.5	11.5	4.5	8.0	14.0	8.0	11.0
24	5.5	2.0	4.0	8.5	5.5	7.5	12.5	6.5	9.5	13.0	8.0	11.0
25	4.0	1.0	2.5	8.0	5.0	6.5	13.0	7.0	10.0	13.0	8.0	11.0
26	3.5	0.0	1.5	6.0	3.0	5.0	12.5	7.0	10.0	15.0	8.5	12.0
27	5.5	-0.5	2.5	9.0	3.5	6.0	12.0	7.5	10.0	15.5	10.5	13.0
28	5.5	1.0	3.0	9.5	4.0	7.0	11.0	6.5	8.5	13.5	10.0	11.5
29	5.5	1.0	3.5	10.5	5.0	8.0	9.5	5.0	7.5	13.0	7.0	10.5
30	---	---	---	10.5	5.5	8.5	10.5	5.0	8.0	15.0	9.0	12.5
31	---	---	---	10.0	5.0	8.0	---	---	---	15.0	10.0	12.5
MONTH	7.0	-0.5	2.5	10.5	1.0	6.6	13.0	3.0	7.8	15.5	5.5	10.3

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.0	9.5	13.0	18.5	11.5	14.5	24.5	15.5	20.0	---	---	---
2	16.5	10.5	13.5	20.0	12.0	15.5	23.5	16.0	19.5	---	---	---
3	15.5	11.0	13.5	21.0	12.5	16.5	24.5	14.5	19.5	---	---	---
4	16.0	10.0	13.5	22.5	14.5	18.5	23.5	16.0	19.5	---	---	---
5	16.0	11.0	14.0	24.0	15.5	19.5	22.5	14.5	18.5	---	---	---
6	17.0	11.0	14.0	22.5	16.5	19.5	23.5	15.0	19.0	---	---	---
7	15.5	10.5	13.0	22.5	15.5	18.5	24.0	14.0	19.0	---	---	---
8	14.0	8.5	11.5	23.5	14.5	19.0	25.0	15.5	20.0	---	---	---
9	11.5	8.5	10.0	23.0	16.0	19.0	25.0	16.5	21.0	---	---	---
10	15.5	8.5	12.0	22.5	14.0	18.0	25.5	16.0	20.5	---	---	---
11	16.5	10.5	13.5	22.5	13.5	18.0	26.5	17.0	21.5	---	---	---
12	17.5	11.5	14.5	22.5	14.5	18.5	23.0	17.0	20.5	---	---	---
13	19.0	13.0	16.0	22.5	15.0	19.0	23.0	17.5	20.0	---	---	---
14	18.5	13.5	16.0	23.0	14.5	19.0	24.5	15.5	20.0	---	---	---
15	18.5	13.0	16.0	23.0	14.5	18.5	22.0	17.5	19.5	---	---	---
16	18.5	13.0	16.0	22.5	15.5	19.0	21.5	16.5	18.5	---	---	---
17	17.5	13.5	15.5	23.0	17.0	20.0	23.5	13.5	18.5	---	---	---
18	19.0	13.0	16.0	23.5	17.0	20.5	24.5	15.5	20.0	---	---	---
19	19.5	13.5	16.5	24.0	17.0	20.5	22.0	16.5	19.5	---	---	---
20	19.5	13.0	16.5	25.5	16.5	21.0	20.5	15.5	18.0	---	---	---
21	20.0	13.5	17.0	24.5	17.0	20.5	23.5	14.5	18.5	---	---	---
22	20.0	14.0	17.0	25.0	16.0	20.5	19.5	15.5	17.0	---	---	---
23	19.0	14.5	17.0	24.5	17.5	21.0	21.0	13.0	16.5	---	---	---
24	19.5	14.5	17.5	25.5	17.0	21.0	23.0	13.5	18.0	---	---	---
25	20.5	14.0	17.0	26.5	17.0	21.5	---	---	---	---	---	---
26	21.0	13.5	17.5	25.5	17.0	21.5	---	---	---	---	---	---
27	20.5	14.5	17.5	25.5	16.0	20.5	---	---	---	---	---	---
28	18.5	13.5	16.0	26.0	17.0	21.5	---	---	---	---	---	---
29	18.5	13.0	15.5	25.0	17.5	21.0	---	---	---	---	---	---
30	17.5	12.0	14.5	24.5	15.5	20.0	---	---	---	---	---	---
31	---	---	---	24.5	15.5	20.0	---	---	---	---	---	---
MONTH	21.0	8.5	15.0	26.5	11.5	19.4	26.5	13.0	19.3	---	---	---
YEAR	26.5	-0.5	8.9									

10309010 EAST FORK CARSON RIVER NEAR DRESSLERVILLE, NV

LOCATION.--Lat 38°52'42", long 119°41'18" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 25, T.12 N., R.20 E., Douglas County, Hydrologic Unit 16050201, at Dresslerville Bridge, about 600 ft downstream from the old diversion dam, and about 2 mi southeast of Dresslerville.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1993 to 1995, 1997 to 1998, and 2000 to current year.

REMARKS.--In April 1993, station incorporated into the National Water-Quality Assessment Program (NAWQA) to monitor water-quality conditions in the Carson River Basin. Estimated discharge values are based on the East Fork Carson River near Gardnerville gaging station.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)
OCT												
21...	0955	Environmental	62	644	9.8	103	8.1	229	15.5	9.9	85	70
21...	1030	**Replicate**	--	*644*	*9.9*	*103*	*8.1*	*230*	*17.0*	*9.9*	*85*	*70*
DEC												
15...	1145	Environmental	82	645	11.9	97	8.0	211	.5	.2	66	81
FEB												
24...	0935	Environmental	151	633	11.3	103	7.5	199	8.0	3.3	66	81
APR												
20...	1015	Environmental	377	637	9.9	99	7.1	105	12.5	7.4	39	47
MAY												
12...	1130	Environmental	795	636	9.8	103	7.0	71	19.5	9.4	28	35
JUN												
14...	1115	**Field Blank**	--	--	--	--	--	--	--	--	--	--
14...	1230	Environmental	530	639	8.3	102	7.2	78	27.0	16.6	28	35
JUL												
21...	1030	Environmental	105	640	8.0	106	7.8	154	26.5	20.5	52	64
AUG												
12...	1010	Environmental	66	639	8.3	107	7.9	153	--	18.9	51	62

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)
OCT													
21...	7.93	30.4	<.04	<.06	<.008	.02	E.004n	.015	.10	.2	<.1	.2	1.1
21...	*7.95*	*30.3*	*<.04*	*<.06*	*<.008*	*.03*	*E.003n*	*.016*	*.08*	*.2*	*<.1*	*.2*	*1.1*
DEC													
15...	7.54	29.0	<.04	<.06	<.008	.05	.008	.029	.10	.4	<.1	.4	5.1
FEB													
24...	6.13	23.9	<.04	<.06	<.008	.03	.011	.026	.09	.3	<.1	.2	6.0
APR													
20...	2.03	8.1	<.04	<.06	<.008	.05	.009	.029	.10	.5	<.1	.5	2.3
MAY													
12...	1.10	4.6	E.02n	<.06	<.008	.04	.010	.045	.10	.4	<.1	.4	2.1
JUN													
14...	*<.20*	*<.2*	*<.04*	*<.06*	*<.008*	*<.02*	*<.006*	*<.004*	*<.03*	*<.1*	*<.1*	*<.1*	*.4*
14...	1.39	5.0	<.04	<.06	<.008	.05	.012	.057	.07	.7	<.1	.7	1.3
JUL													
21...	4.43	16.0	<.04	<.06	<.008	.10	E.005n	.019	.13	4.7	.2	4.5	1.9
AUG													
12...	4.71	17.5	<.04	<.06	<.008	.09	E.003n	.018	.11	.4	<.1	.4	1.7

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)
OCT			
21...	95	9	1.5
21...	*96*	*3*	--
DEC			
15...	70	35	7.7
FEB			
24...	91	5	2.0
APR			
20...	76	13	13
MAY			
12...	56	28	60
JUN			
14...	*75*	*1*	--
14...	86	18	26
JUL			
21...	80	6	1.7
AUG			
12...	74	5	.89

Remark codes used in this table:
< -- Less than
E -- Estimated value

Value qualifier codes used in this table:
n -- Below the LRL and above the LT-MDL

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10310000 WEST FORK CARSON RIVER AT WOODFORDS, CA

LOCATION.--Lat 38°46'11", long 119°49'58" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec. 34, T.11 N., R.19 E., Alpine County, Hydrologic Unit 16050201, in Toiyabe National Forest, on left bank, 0.3 mi downstream from bridge on State Highway 88-89, 0.6 mi southwest of Woodfords, 3.8 mi downstream from Willow Creek, and at mi 21.17 from mouth.

DRAINAGE AREA.--65.4 mi^2.

PERIOD OF RECORD.--October 1900 to May 1907, 1910-11 (fragmentary), October 1938 to current year. January 1890 to March 1892, June 1907 to September 1920 (except parts of 1910-11), at site 0.7 mi downstream; records not equivalent owing to diversions for irrigation.

REVISED RECORDS.--WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,754.5 ft above National Geodetic Vertical Datum of 1929. Prior to October 1, 1938, nonrecording gage at about the same site at different datum. October 1, 1938, to November 11, 1958, water-stage recorder at same site at datum 1.02 ft lower. November 13, 1958, to January 30, 1963, water-stage recorder at site 150 ft downstream at datum 3.06 ft lower. January 1997 flood, channel changed course upstream and existing site unusable. Gage moved 200 ft upstream March 1997 at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. One small diversion above station for irrigation. Flow slightly regulated by several small reservoirs, total capacity, about 1,500 acre-ft. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,100 ft^3/s, January 1, 1997, gage height, 15.36 ft (present location); minimum daily, 5.3 ft^3/s, September 2, 1997.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 11, 1937, reached a stage of 8.0 ft, at different datum, from floodmarks, discharge, 3,500 ft^3/s, on basis of slope-area measurement of peak flow.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 5	0030	*462	*12.16				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	20	22	23	21	25	220	248	156	51	19	15
2	18	19	22	20	22	25	171	289	156	48	19	15
3	18	21	22	e22	21	25	188	333	158	47	22	15
4	18	21	22	e24	23	25	237	358	155	44	30	15
5	18	22	28	26	e23	25	291	374	143	41	26	15
6	18	20	e28	25	e21	26	291	334	139	40	22	15
7	26	21	e29	25	21	29	260	278	138	39	19	15
8	29	20	29	25	e21	32	280	256	118	37	18	15
9	28	21	28	25	21	37	284	246	105	35	17	15
10	20	21	27	25	22	45	281	236	96	33	17	15
11	19	21	25	25	e22	54	268	211	92	31	17	15
12	19	21	28	25	e23	57	283	176	90	30	17	15
13	18	22	29	25	23	60	296	165	91	28	17	15
14	20	21	25	25	20	69	255	177	96	27	17	15
15	21	22	e26	24	20	87	218	182	95	26	17	22
16	21	21	27	24	24	96	183	183	92	26	17	22
17	21	22	27	24	26	99	162	189	90	25	17	16
18	21	21	27	24	25	111	142	176	88	25	22	14
19	21	22	27	23	26	143	132	157	86	24	27	14
20	22	23	27	23	27	162	133	154	80	24	25	15
21	22	21	26	23	27	196	143	148	75	29	17	15
22	21	20	25	e23	27	222	140	145	71	32	16	15
23	21	21	26	e23	27	242	126	141	71	30	17	15
24	21	22	29	23	26	239	156	137	70	24	17	15
25	21	22	26	22	23	207	184	133	66	23	16	14
26	22	21	28	e22	20	154	218	127	60	22	16	14
27	22	21	e28	22	25	134	268	142	57	21	16	14
28	21	22	e27	22	24	138	301	290	55	20	16	14
29	20	23	26	21	25	164	272	205	54	20	16	14
30	19	23	24	21	---	212	233	168	53	19	15	14
31	20	---	25	21	---	232	---	162	---	19	15	---
TOTAL	644	638	815	725	676	3,372	6,616	6,520	2,896	940	579	457
MEAN	20.8	21.3	26.3	23.4	23.3	109	221	210	96.5	30.3	18.7	15.2
MAX	29	23	29	26	27	242	301	374	158	51	30	22
MIN	18	19	22	20	20	25	126	127	53	19	15	14
AC-FT	1,280	1,270	1,620	1,440	1,340	6,690	13,120	12,930	5,740	1,860	1,150	906

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1901 - 2004, BY WATER YEAR (WY)

MEAN	26.9	39.4	46.1	52.7	56.1	78.3	207	374	256	104	47.5	30.4
MAX	79.1	321	347	621	258	283	502	924	996	525	223	120
(WY)	(1983)	(1951)	(1951)	(1997)	(1963)	(1986)	(1907)	(1906)	(1983)	(1907)	(1907)	(1983)
MIN	8.27	13.1	12.8	13.7	16.3	18.2	46.6	56.4	37.4	18.1	11.1	7.00
(WY)	(1989)	(1991)	(1991)	(1961)	(1977)	(1977)	(1975)	(1977)	(1992)	(1977)	(1977)	(1977)

10310000 WEST FORK CARSON RIVER AT WOODFORDS, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1901 - 2004	
ANNUAL TOTAL	32,497		24,878			
ANNUAL MEAN	89.0		68.0		110	
HIGHEST ANNUAL MEAN					290	1907
LOWEST ANNUAL MEAN					26.1	1977
HIGHEST DAILY MEAN	735	May 30	374	May 5	5,500	Jan 2, 1997
LOWEST DAILY MEAN	18	Sep 16	14	Sep 18	5.3	Sep 2, 1977
ANNUAL SEVEN-DAY MINIMUM	18	Sep 22	14	Sep 24	5.4	Sep 5, 1977
MAXIMUM PEAK FLOW			462	May 5	8,100	Jan 1, 1997
MAXIMUM PEAK STAGE			12.16	May 5	15.36	Jan 1, 1997
ANNUAL RUNOFF (AC-FT)	64,460		49,350		79,680	
10 PERCENT EXCEEDS	213		206		293	
50 PERCENT EXCEEDS	30		25		45	
90 PERCENT EXCEEDS	20		17		17	

e Estimated

10310400 DAGGETT CREEK NEAR GENOA, NV

LOCATION.--Lat 38°57'55", long 119°50'55" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec. 28, T.13 N., R.19 E., Douglas County, Hydrologic Unit 16050201, in Haines Canyon on left bank, 0.55 mi upstream from Foothill Road, and 3.5 mi southwest of Genoa.

DRAINAGE AREA.--3.82 mi^2.

PERIOD OF RECORD.--1964 (miscellaneous site), 1965 (low-flow, partial-record site). October 1965 to September 1983, December 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,100 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. No diversions above station. Intermittent pumping of effluent from Lake Tahoe Basin by Douglas County Sewer Improvement District No. 1, occurred from February 1969 to November 1971. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 63 ft^3/s, August 5, 1971, gage height, 2.78 ft; minimum daily, 0.38 ft^3/s, October 9, 1979.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5.0 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
December 24	1330	*6.6	*1.05

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.48	0.80	1.2	1.0	1.1	1.6	1.5	1.1	0.91	0.82	0.71	0.82
2	0.50	0.83	1.2	0.98	1.0	1.5	1.5	1.2	0.90	0.78	0.69	0.85
3	0.53	0.88	1.2	0.99	1.1	1.5	1.5	1.1	0.90	0.78	0.72	0.92
4	0.54	0.87	1.3	0.97	1.1	1.5	1.5	1.1	0.89	0.78	0.73	0.91
5	0.57	0.86	1.4	0.97	1.1	1.5	1.5	1.1	0.88	0.78	0.80	0.89
6	0.60	0.87	1.5	0.98	1.1	1.6	1.5	1.1	0.91	0.76	0.83	0.85
7	0.63	0.84	1.3	1.0	1.1	1.6	1.5	1.1	0.93	0.77	0.83	0.88
8	0.60	0.88	0.92	1.0	1.1	1.6	1.5	1.1	0.96	0.78	0.83	0.86
9	0.60	0.99	1.0	0.98	1.1	1.7	1.5	1.1	0.98	0.81	0.79	0.88
10	0.67	1.0	0.97	0.97	1.2	1.7	1.4	1.1	0.94	0.79	0.80	0.89
11	0.64	1.1	0.91	0.97	1.1	1.7	1.4	1.2	0.92	0.81	0.85	0.87
12	0.65	1.0	0.91	0.97	1.1	1.7	1.4	1.1	0.90	0.80	0.92	0.86
13	0.69	0.99	0.93	0.96	1.1	1.7	1.4	1.1	0.87	0.80	0.85	0.84
14	0.69	0.96	0.95	0.97	1.1	1.6	1.4	1.1	0.83	0.80	0.83	0.91
15	0.69	1.0	0.93	0.99	1.0	1.7	1.4	1.1	0.84	0.79	0.73	0.94
16	0.68	1.1	1.0	0.96	1.9	1.6	1.4	1.0	0.84	0.80	0.81	0.92
17	0.69	1.1	1.1	0.98	1.6	1.7	1.5	1.0	0.84	0.78	0.77	0.92
18	0.69	1.1	1.1	0.97	1.5	1.8	1.5	1.0	0.83	0.83	0.76	0.95
19	0.68	1.1	1.1	0.97	1.4	1.8	1.5	1.1	0.84	0.84	0.78	0.95
20	0.69	1.1	1.1	0.99	1.3	1.8	1.5	1.0	0.83	0.84	0.77	1.1
21	0.70	1.1	1.1	1.00	1.3	1.8	1.5	1.1	0.81	0.81	0.73	1.1
22	0.68	1.1	1.0	1.0	1.3	1.894	6-320d.1		0.90	088(.8)8(0)-38	1.	0.94.9520 0.6

10310400 DAGGETT CREEK NEAR GENOA, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1966 - 2004	
ANNUAL TOTAL	402.63		383.33			
ANNUAL MEAN	1.10		1.05		1.83	
HIGHEST ANNUAL MEAN					3.57	1969
LOWEST ANNUAL MEAN					0.95	1994
HIGHEST DAILY MEAN	2.8	Dec 24	2.8	Dec 24	35	Jan 2, 1997
LOWEST DAILY MEAN	0.46	Sep 29	0.48	Oct 1	0.38	Oct 9, 1979
ANNUAL SEVEN-DAY MINIMUM	0.48	Sep 27	0.55	Oct 1	0.45	Jun 29, 1994
MAXIMUM PEAK FLOW			6.6	Dec 24	63	Aug 5, 1971
MAXIMUM PEAK STAGE			1.05	Dec 24	2.78	Aug 5, 1971
ANNUAL RUNOFF (AC-FT)	799		760		1,330	
10 PERCENT EXCEEDS	1.5		1.5		3.3	
50 PERCENT EXCEEDS	1.1		0.98		1.4	
90 PERCENT EXCEEDS	0.68		0.73		0.86	

10310407 CARSON RIVER NEAR GENOA, NV

LOCATION.--Lat 39°00'45", long 119°49'48" referenced to North American Datum of 1927, in SW ¼ SE ¼ sec. 03, T.13 N., R.19 E., Douglas County, Hydrologic Unit 16050201, on right bank, 0.2 mi below confluence of Carson River and Brockliss Slough, and 1 mi northeast of Genoa.

DRAINAGE AREA.--672.13 mi^2.

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,670 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair. Many diversions for irrigation above station. Intermittent pumping above gage for Genoa Lakes Golf Course. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 3,000 ft^3/s, May 29, 2003, gage height, unknown; minimum daily, 2.9 ft^3/s, September 10, 11, 25.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,180 ft^3/s, May 6, gage height, 10.45 ft; minimum daily discharge, 2.9 ft^3/s, September 10, 11, 25.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e15	e57	84	144	124	234	652	510	419	47	6.0	3.6
2	e12	e62	83	137	128	254	592	612	411	40	5.7	3.5
3	e10	e63	84	129	137	245	502	780	393	33	5.6	3.4
4	e10	e65	84	e120	134	226	554	865	405	32	5.3	3.3
5	e11	e71	84	114	133	220	708	1,030	382	35	5.2	3.2
6	e11	e78	112	127	126	224	664	1,060	375	33	5.3	3.2
7	e12	e79	204	147	136	243	623	894	368	37	5.2	3.3
8	e13	e82	157	153	133	271	575	808	320	30	5.2	3.4
9	e11	e99	115	145	124	314	609	769	272	25	5.2	3.1
10	e15	e118	111	145	132	378	592	720	249	23	5.2	2.9
11	e16	e100	110	141	137	429	587	650	214	25	5.1	2.9
12	e17	e80	100	140	141	438	619	565	180	27	5.3	3.0
13	e22	e70	104	138	143	450	603	514	189	24	5.1	3.1
14	e24	e70	113	134	146	468	579	495	218	21	5.0	3.2
15	e23	e71	109	137	151	532	471	499	214	17	5.7	3.3
16	e30	e71	90	136	151	537	425	522	153	14	5.8	3.3
17	e32	e79	101	134	245	525	376	545	128	11	5.8	3.4
18	e34	83	105	135	271	519	358	485	113	9.1	6.0	3.3
19	e37	83	106	133	257	656	292	420	104	8.6	6.3	3.0
20	e34	78	104	136	221	739	241	409	94	8.1	5.1	3.2
21	e34	79	107	137	209	806	231	377	89	8.6	4.5	3.0
22	e32	79	103	133	211	905	226	382	84	8.6	4.1	3.3
23	e31	76	99	120	211	924	214	383	83	9.0	4.5	4.2
24	e31	72	118	137	202	950	213	343	78	7.9	4.3	3.3
25	e26	83	229	139	226	879	264	308	71	7.6	4.2	2.9
26	e29	82	183	131	556	760	339	297	70	7.6	4.6	4.0
27	e31	79	143	130	323	624	430	260	74	8.0	4.7	3.9
28	e36	80	115	132	257	559	606	507	74	7.5	5.0	3.2
29	e42	84	135	128	241	510	664	688	71	7.0	4.2	3.6
30	e44	85	156	128	---	551	579	494	58	6.6	4.1	3.6
31	e44	---	149	126	---	575	---	439	---	6.3	3.7	---
TOTAL	769	2,358	3,697	4,166	5,606	15,945	14,388	17,630	5,953	584.5	157.0	99.6
MEAN	24.8	78.6	119	134	193	514	480	569	198	18.9	5.06	3.32
MAX	44	118	229	153	556	950	708	1,060	419	47	6.3	4.2
MIN	10	57	83	114	124	220	213	260	58	6.3	3.7	2.9
AC-FT	1,530	4,680	7,330	8,260	11,120	31,630	28,540	34,970	11,810	1,160	311	198

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	21.1	96.9	129	163	182	319	449	740	475	26.9	12.5	10.8
MAX	28.5	142	134	178	213	514	552	999	845	39.8	19.8	16.7
(WY)	(2003)	(2003)	(2002)	(2003)	(2003)	(2004)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	9.82	70.2	119	134	138	203	316	569	198	18.9	5.06	3.32
(WY)	(2002)	(2002)	(2004)	(2004)	(2002)	(2002)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)

10310407 CARSON RIVER NEAR GENOA, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	93,955		71,353.1			
ANNUAL MEAN	257		195		219	
HIGHEST ANNUAL MEAN					264	2003
LOWEST ANNUAL MEAN					195	2004
HIGHEST DAILY MEAN	2,630	May 30	1,060	May 6	2,630	May 30, 2003
LOWEST DAILY MEAN	10	Aug 11	2.9	Sep 10	2.9	Sep 10, 2004
ANNUAL SEVEN-DAY MINIMUM	10	Aug 11	3.1	Sep 9	3.1	Sep 9, 2004
MAXIMUM PEAK FLOW			1,180	May 6	3,000	May 29, 2003
MAXIMUM PEAK STAGE			10.45	May 6	10.45	May 6, 2004
ANNUAL RUNOFF (AC-FT)	186,400		141,500		158,400	
10 PERCENT EXCEEDS	519		568		579	
50 PERCENT EXCEEDS	133		112		127	
90 PERCENT EXCEEDS	14		4.4		11	

e Estimated

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10310447 AMBROSETTI POND NEAR GENOA, NV

LOCATION.--Lat 39°02'31", long 119°47'01" referenced to North American Datum of 1927, in SW ¼ SW ¼ sec. 30, T.14 N., R.20 E., Douglas County, Hydrologic Unit 16050201, on right bank, 20 ft upstream of outlet gate structure, and 4.3 mi northeast of Genoa.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1992 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,660 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.18 ft, May 29; minimum gage height, 2.19 ft, January 6.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.99	5.36	4.85	4.53	4.28	4.42	4.92	5.06	5.62	3.79	3.69	3.52
2	2.95	5.26	4.93	4.31	4.14	4.24	5.05	5.53	5.12	3.76	3.63	3.49
3	2.94	5.21	5.03	4.02	4.02	4.15	5.15	5.96	4.71	3.82	3.62	3.47
4	2.94	5.20	5.12	3.13	3.91	3.98	5.00	5.61	4.71	3.82	3.63	3.45
5	2.92	5.24	5.16	2.82	3.80	3.81	4.66	5.18	4.91	3.80	3.57	3.49
6	2.89	5.26	5.20	2.47	3.87	3.97	4.30	4.86	5.64	3.86	3.57	3.47
7	2.87	5.28	5.33	3.11	4.19	4.14	3.78	4.98	5.80	4.17	3.59	3.40
8	2.85	5.31	5.48	3.66	4.67	4.30	3.17	5.11	5.27	4.40	3.55	3.36
9	2.84	5.26	5.36	3.99	4.74	4.45	3.08	4.39	4.50	4.58	3.47	3.36
10	2.80	5.17	5.20	4.17	4.74	4.61	3.69	3.52	4.44	4.78	3.38	3.32
11	2.77	5.06	5.06	4.31	4.70	4.81	3.93	3.69	4.55	4.86	3.30	3.29
12	2.74	4.88	4.95	4.42	4.66	5.03	4.37	3.78	4.70	4.74	3.28	3.25
13	2.70	4.68	4.86	4.51	4.63	5.23	5.05	3.91	4.61	4.49	3.28	3.20
14	2.69	4.46	4.81	4.58	4.61	5.30	5.48	4.08	4.22	4.22	3.35	3.15
15	2.94	4.22	4.87	4.66	4.62	5.34	5.86	4.58	3.90	4.10	3.39	3.16
16	3.36	3.95	4.88	4.74	4.60	5.17	5.82	5.37	3.74	3.95	3.50	3.22
17	3.71	3.62	4.84	4.80	4.57	4.91	5.81	5.84	4.09	3.91	3.53	3.25
18	3.96	3.26	4.79	4.83	4.62	4.67	5.66	5.87	4.58	3.90	3.54	3.32
19	4.05	3.22	4.84	4.83	4.82	4.78	5.63	5.58	5.12	3.89	3.56	3.35
20	4.10	3.32	4.97	4.87	4.97	4.91	5.43	4.82	5.53	3.91	3.59	3.32
21	4.13	3.45	5.20	4.97	5.05	4.81	4.69	3.79	5.54	3.96	3.60	3.30
22	4.19	3.67	5.40	5.24	5.12	4.92	4.02	3.37	5.08	3.93	3.57	3.27
23	4.27	3.91	5.37	5.69	5.15	5.25	3.72	4.51	4.85	3.86	3.53	3.37
24	4.37	4.08	5.31	5.54	5.09	5.25	4.07	5.35	4.52	3.78	3.47	3.38
25	4.48	4.19	5.31	5.36	4.77	5.14	4.09	5.78	3.97	3.70	3.42	3.37
26	4.66	4.32	5.32	5.19	4.76	5.08	4.06	5.87	3.88	3.66	3.35	3.38
27	4.89	4.45	5.25	5.04	4.87	5.11	4.15	5.90	3.63	3.68	3.31	3.34
28	5.08	4.55	5.08	4.89	4.80	5.00	4.32	6.00	3.24	3.71	3.30	3.42
29	5.29	4.65	4.89	4.74	4.63	5.02	4.53	6.13	3.24	3.72	3.39	3.55
30	5.39	4.75	4.77	4.61	---	5.21	4.81	6.02	3.73	3.74	3.53	3.55
31	5.45	---	4.67	4.44	---	5.15	---	5.94	---	3.74	3.52	---
MAX	5.45	5.36	5.48	5.69	5.15	5.34	5.86	6.13	5.80	4.86	3.69	3.55
MIN	2.69	3.22	4.67	2.47	3.80	3.81	3.08	3.37	3.24	3.66	3.28	3.15

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10310448 AMBROSETTI POND OUTLET NEAR GENOA, NV

LOCATION.--Lat 39°02'32", long 119°47'00" referenced to North American Datum of 1927, in SW ¼ SW ¼ sec. 30, T.14 N., R.20 E., Douglas County, Hydrologic Unit 16050201, on right gate of outlet structure, and 4.3 mi northeast of Genoa.

DRAINAGE AREA.--

PERIOD OF RECORD.--August 1992 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,660 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 1, 1995 at same site at datum 3.83 higher.

REMARKS.--No estimated daily discharges. Records fair. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, unknown due to uncontrolled releases on many occasions; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 69 ft^3/s, June 7, 8, 9, gage height, 6.55 ft; minimum daily discharge, 0.00 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	7.6	4.9	13	10	14	18	13	49	5.9	0.05	0.00
2	0.00	7.6	4.9	13	10	13	18	13	48	4.6	0.05	0.00
3	0.00	7.6	4.9	13	10	12	18	25	32	3.6	0.05	0.00
4	0.00	7.6	5.5	12	10	12	18	44	22	3.6	0.05	0.00
5	0.00	7.6	6.4	12	9.2	9.8	18	44	22	3.6	0.05	0.00
6	0.05	7.6	6.4	8.1	7.0	7.0	18	46	26	3.6	0.05	0.00
7	0.17	7.6	7.0	5.9	7.0	7.0	18	46	64	3.6	0.05	0.00
8	0.23	8.3	8.2	5.9	7.0	7.2	18	46	69	3.6	0.05	0.00
9	0.23	8.9	10	5.9	7.0	7.6	15	46	48	3.6	0.05	0.00
10	0.22	8.9	10	5.9	7.0	7.6	8.2	46	27	4.6	0.05	0.00
11	0.21	8.9	10	5.9	7.0	7.8	8.2	46	27	5.9	0.05	0.00
12	0.19	8.9	10	5.9	7.0	8.2	8.2	46	27	5.9	0.05	0.00
13	0.16	8.9	9.8	5.9	7.0	9.6	8.3	31	27	5.9	0.05	0.00
14	0.16	8.2	9.5	5.9	7.0	12	11	21	22	3.4	0.05	0.00
15	0.16	8.2	8.9	5.7	7.0	13	18	21	16	1.9	0.05	0.00
16	0.16	8.2	8.9	5.4	7.0	16	22	21	11	0.98	0.05	0.00
17	0.16	8.2	8.9	5.4	7.5	16	22	26	9.5	0.10	0.05	0.00
18	0.16	6.9	8.2	5.4	7.6	13	22	33	9.5	0.10	0.05	0.00
19	0.16	4.4	7.6	5.4	7.6	8.9	23	33	11	0.10	0.05	0.00
20	0.16	4.4	7.6	5.4	8.1	12	27	33	15	0.05	0.05	0.00
21	0.16	4.7	7.6	5.4	8.2	14	30	33	26	0.05	0.05	0.00
22	0.16	4.9	9.9	5.4	8.2	14	30	23	30	0.05	0.05	0.00
23	0.16	4.9	12	8.3	8.2	17	23	8.9	29	0.05	0.05	0.00
24	0.16	4.9	12	10	11	18	13	9.7	29	0.05	0.05	0.00
25	0.16	4.9	12	10	13	18	13	10	24	0.05	0.05	0.00
26	0.16	4.9	12	9.8	13	18	13	10	13	0.05	0.03	0.00
27	0.16	4.9	12	9.5	13	18	13	13	13	0.05	0.02	0.00
28	0.19	4.9	12	9.5	14	18	13	15	13	0.05	0.01	0.00
29	3.0	4.9	12	9.5	14	18	13	20	8.6	0.05	0.00	0.00
30	5.4	4.9	12	10	---	18	13	32	5.9	0.05	0.00	0.00
31	6.3	---	12	10	---	18	---	38	---	0.05	0.00	---
TOTAL	18.59	203.3	283.1	248.4	259.6	402.7	510.9	892.6	773.5	65.18	1.31	0.00
MEAN	0.60	6.78	9.13	8.01	8.95	13.0	17.0	28.8	25.8	2.10	0.04	0.00
MAX	6.3	8.9	12	13	14	18	30	46	69	5.9	0.05	0.00
MIN	0.00	4.4	4.9	5.4	7.0	7.0	8.2	8.9	5.9	0.05	0.00	0.00
AC-FT	37	403	562	493	515	799	1,010	1,770	1,530	129	2.6	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	8.09	13.8	12.7	20.8	15.0	14.3	15.6	21.0	23.9	7.13	3.97	2.54
MAX	29.3	36.2	34.2	81.6	34.1	29.7	28.8	42.3	50.6	15.6	10.4	10.8
(WY)	(1999)	(1997)	(1997)	(1997)	(1998)	(1995)	(1997)	(1996)	(1997)	(1995)	(1998)	(1998)
MIN	0.00	2.13	2.24	2.02	1.76	1.61	0.58	0.53	7.00	0.53	0.04	0.00
(WY)	(2002)	(1993)	(1993)	(1993)	(1993)	(1993)	(1993)	(1993)	(1994)	(1994)	(2004)	(1994)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	4,156.18		3,659.18			
ANNUAL MEAN	11.4		10.0		13.9	
HIGHEST ANNUAL MEAN					26.8	1997
LOWEST ANNUAL MEAN					7.99	2002
HIGHEST DAILY MEAN	47	Apr 15	69	Jun 8	200	Jan 27, 1997
LOWEST DAILY MEAN	0.00	Sep 15	0.00	Oct 1	0.00	Jun 19, 1994
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 15	0.00	Aug 29	0.00	Jun 19, 1994
ANNUAL RUNOFF (AC-FT)	8,240		7,260		10,090	
10 PERCENT EXCEEDS	21		24		29	
50 PERCENT EXCEEDS	9.6		7.6		9.6	
90 PERCENT EXCEEDS	0.16		0.00		0.00	

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10310500 CLEAR CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°06'48", long 119°47'50" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 01, T.14 N., R.19 E., Douglas County, Hydrologic Unit 16050201, on left bank, 3 mi upstream from mouth, and 3.5 mi southwest of Carson City.

DRAINAGE AREA.--15.5 mi^2.

PERIOD OF RECORD.--March 1948 to September 1962, occasional low-flow measurements, water years 1963-1988, and annual maximum, water years 1963-1981, January 1989 to current year.

GAGE.--Water-stage recorder and sharp crested weir. Elevation of gage is 5,000 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 266 ft^3/s, January 2, 1997, gage height, 3.94 ft; minimum daily, 0.42 ft^3/s, August 3, 1992.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8.0 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
December 24	1715	*12	1.58	February 16	1815	10	1.53

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	2.7	3.3	4.4	4.3	5.4	5.4	3.7	2.5	2.0	1.7	1.3
2	1.9	2.6	3.3	4.4	4.5	5.3	5.1	3.7	2.3	2.0	1.8	1.4
3	1.9	2.8	3.3	3.9	4.4	5.2	5.2	3.7	2.3	2.0	1.8	1.5
4	1.9	2.7	3.3	3.6	4.3	5.4	5.4	3.8	2.2	1.9	1.8	1.6
5	1.9	2.7	3.5	3.0	4.2	5.5	5.1	3.6	1.9	1.9	1.8	1.5
6	1.9	2.7	e3.5	3.4	4.4	5.8	4.6	3.5	2.2	1.8	1.8	1.4
7	2.0	2.9	e3.6	4.3	4.4	5.6	4.3	3.4	2.2	1.8	1.8	1.4
8	1.9	2.9	e3.7	4.7	4.3	5.6	4.4	3.3	2.0	1.9	1.8	1.4
9	2.0	3.5	3.8	4.5	4.2	5.8	4.4	3.3	2.2	1.9	1.7	1.3
10	2.0	3.3	4.1	4.5	4.2	6.2	4.3	3.4	2.2	1.8	1.7	1.5
11	2.0	2.9	4.0	4.5	4.2	6.0	4.1	3.7	2.1	1.9	1.7	1.5
12	2.0	2.9	3.9	4.4	4.2	5.8	4.0	3.6	2.0	1.9	1.7	1.5
13	2.0	2.9	4.8	4.5	4.2	6.0	4.0	3.5	1.9	1.7	1.7	1.5
14	2.1	3.0	4.6	4.5	4.2	6.2	4.0	3.3	1.9	1.7	1.7	1.5
15	2.0	3.2	4.1	4.6	4.3	6.7	3.9	3.1	1.9	1.8	1.7	1.4
16	2.0	3.3	4.0	4.5	6.1	7.1	3.9	3.1	1.8	1.8	1.8	1.4
17	2.1	3.2	3.9	4.4	6.1	7.6	3.9	3.0	2.0	1.8	1.9	1.5
18	2.1	3.1	3.9	4.4	6.7	8.0	3.8	2.8	2.2	1.8	1.8	1.5
19	2.0	3.1	4.1	4.3	5.5	8.0	4.1	3.4	2.2	1.8	1.8	1.7
20	2.0	3.2	4.5	4.4	5.2	6.9	4.1	3.3	2.1	1.8	1.8	1.9
21	2.1	3.2	4.7	4.3	5.1	6.9	4.0	3.1	2.1	1.8	1.7	1.9
22	2.1	3.2	4.2	4.3	5.0	6.9	3.9	3.0	2.1	1.8	1.6	1.8
23	2.1	3.4	4.1	4.3	4.9	7.0	3.8	2.9	2.0	1.7	1.7	1.7
24	2.2	3.2	6.6	4.4	4.8	6.4	3.8	2.9	2.0	1.7	1.7	1.6
25	2.3	3.2	5.5	4.2	5.6	6.1	3.8	2.8	2.0	1.7	1.6	1.6
26	2.2	3.2	4.6	4.2	5.7	6.1	3.6	2.6	2.0	1.8	1.6	1.6
27	2.1	3.2	e4.5	4.3	5.4	5.6	3.7	2.5	2.0	1.8	1.7	1.6
28	2.2	3.3	e4.5	4.3	5.2	5.2	3.7	3.8	1.8	1.7	1.6	1.6
29	2.2	3.3	4.5	4.3	5.3	5.1	3.6	3.2	1.9	1.7	1.6	1.7
30	2.3	3.4	4.4	4.5	---	5.4	3.6	2.9	2.0	1.8	1.6	1.8
31	2.5	---	4.3	4.3	---	5.4	---	2.5	---	1.7	1.4	---
TOTAL	63.8	92.2	129.1	132.6	140.9	190.2	125.5	100.4	62.0	56.2	53.1	46.6
MEAN	2.06	3.07	4.16	4.28	4.86	6.14	4.18	3.24	2.07	1.81	1.71	1.55
MAX	2.5	3.5	6.6	4.7	6.7	8.0	5.4	3.8	2.5	2.0	1.9	1.9
MIN	1.8	2.6	3.3	3.0	4.2	5.1	3.6	2.5	1.8	1.7	1.4	1.3
AC-FT	127	183	256	263	279	377	249	199	123	111	105	92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2004, BY WATER YEAR (WY)

MEAN	3.02	4.37	5.55	6.96	7.12	8.11	9.01	8.10	5.07	3.02	2.39	2.44
MAX	6.54	11.2	15.3	36.3	16.4	19.3	30.9	26.8	15.5	8.09	6.01	5.77
(WY)	(1953)	(1951)	(1951)	(1997)	(1997)	(1997)	(1952)	(1952)	(1998)	(1952)	(1997)	(1997)
MIN	1.31	1.89	2.31	2.13	3.24	3.36	2.80	1.39	1.12	0.75	0.67	1.00
(WY)	(1995)	(1962)	(1962)	(1962)	(1991)	(1992)	(1992)	(1992)	(1994)	(1994)	(1994)	(1994)

10310500 CLEAR CREEK NEAR CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1948 - 2004	
ANNUAL TOTAL	1,334.3		1,192.6			
ANNUAL MEAN	3.66		3.26		5.47	
HIGHEST ANNUAL MEAN					13.4	1997
LOWEST ANNUAL MEAN					2.09	1992
HIGHEST DAILY MEAN	8.5	Jan 23	8.0	Mar 18	198	Jan 2, 1997
LOWEST DAILY MEAN	1.6	Aug 12	1.3	Sep 1	0.42	Aug 3, 1992
ANNUAL SEVEN-DAY MINIMUM	1.6	Aug 14	1.4	Sep 5	0.44	Aug 3, 1992
MAXIMUM PEAK FLOW			12	Dec 24	266	Jan 2, 1997
MAXIMUM PEAK STAGE			1.58	Dec 24	3.94	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	2,650		2,370		3,960	
10 PERCENT EXCEEDS	5.4		5.4		11	
50 PERCENT EXCEEDS	3.4		3.2		4.2	
90 PERCENT EXCEEDS	1.8		1.7		1.6	

e Estimated

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10311000 CARSON RIVER NEAR CARSON CITY, NV

LOCATION.--Lat 39°06'28", long 119°42'44" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec. 02, T.14 N., R.20 E., Carson City County, Hydrologic Unit 16050201, on left bank, 2 mi downstream from Clear Creek, 3 mi upstream from Lloyds Bridge on road to Mexican Dam, 5 mi southeast of Carson City Post Office, and at mi 70.40 upstream from Lahontan Dam.

DRAINAGE AREA.--886 mi^2.

PERIOD OF RECORD.--May 1939 to current year.

REVISED RECORDS.--WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,620.48 ft above National Geodetic Vertical Datum of 1929. Prior to December 23, 1955, water-stage recorder on right bank at datum 1.0 ft higher. December 23, 1955, to March 13, 1956, nonrecording gage at present site at datum 1.0 ft higher. March 14, 1956, to September 30, 1963, water-stage recorder at present site at datum 1.0 ft higher.

REMARKS.--Records fair except for July, August, September and estimated daily discharges, which are poor. Many diversions above station for irrigation. Flow slightly regulated by several small reservoirs on tributaries. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,500 ft^3/s, January 3, 1997, gage height, 18.43 ft; no flow September 5, 1992.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 6	1345	*1,200	*4.21				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	61	94	177	146	262	579	540	444	41	7.5	3.6
2	17	66	92	172	146	275	600	598	423	32	7.9	3.3
3	15	68	91	160	165	275	492	785	392	31	8.0	3.5
4	15	69	92	160	162	244	495	899	383	27	7.9	3.6
5	16	74	93	133	155	231	e590	1,020	388	28	7.9	3.7
6	16	81	104	139	148	223	e610	1,110	396	32	8.1	3.5
7	17	82	214	167	152	236	e600	990	413	27	8.3	3.6
8	18	84	237	184	162	263	549	874	391	30	8.9	3.5
9	16	99	162	179	142	300	598	835	331	25	8.8	3.2
10	19	120	139	173	148	356	574	783	279	26	8.5	3.6
11	20	108	144	169	154	413	580	709	251	29	8.6	4.2
12	21	91	132	165	162	428	594	624	202	35	8.5	4.3
13	26	90	124	162	169	441	594	549	191	32	8.3	4.4
14	28	85	146	158	171	452	588	498	212	30	8.5	4.8
15	27	92	150	157	181	506	504	509	212	26	7.5	5.6
16	34	93	115	161	182	527	471	524	169	24	8.4	5.6
17	36	90	121	154	252	523	418	570	120	20	7.7	5.8
18	38	90	129	156	337	509	402	542	113	17	7.0	6.5
19	41	89	133	153	337	584	353	473	98	18	6.6	7.3
20	38	83	133	156	280	684	309	430	98	14	8.6	7.9
21	38	78	137	162	257	710	293	397	103	13	8.0	8.4
22	36	79	139	151	253	813	280	386	108	12	6.3	9.5
23	37	78	134	146	252	842	275	374	104	12	6.2	9.6
24	37	73	144	156	244	867	259	355	99	15	5.3	8.9
25	31	76	256	171	249	827	282	310	85	11	4.8	9.6
26	34	87	253	156	550	729	354	304	62	8.9	3.4	9.8
27	37	84	202	150	421	605	426	262	63	7.4	4.9	11
28	42	80	147	157	309	525	587	338	65	6.3	5.2	11
29	47	89	138	150	276	484	690	729	59	8.4	4.9	13
30	49	93	190	152	---	499	629	541	55	6.3	4.3	13
31	49	---	187	149	---	538	---	460	---	6.9	3.6	---
TOTAL	914	2,532	4,572	4,935	6,562	15,171	14,575	18,318	6,309	651.2	218.4	195.3
MEAN	29.5	84.4	147	159	226	489	486	591	210	21.0	7.05	6.51
MAX	49	120	256	184	550	867	690	1,110	444	41	8.9	13
MIN	15	61	91	133	142	223	259	262	55	6.3	3.4	3.2
AC-FT	1,810	5,020	9,070	9,790	13,020	30,090	28,910	36,330	12,510	1,290	433	387

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	95.8	203	281	364	385	418	604	1,181	960	262	57.6	46.3
MAX	527	1,693	1,992	3,171	2,115	1,573	1,467	3,129	4,099	1,764	657	281
(WY)	(1983)	(1951)	(1951)	(1997)	(1986)	(1986)	(1982)	(1969)	(1983)	(1995)	(1983)	(1983)
MIN	7.69	46.6	52.4	76.4	62.7	73.7	46.4	93.9	47.7	11.6	2.81	1.96
(WY)	(1978)	(1978)	(1989)	(1991)	(1991)	(1977)	(1977)	(1977)	(1988)	(1977)	(1977)	(1977)

10311000 CARSON RIVER NEAR CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	106,648		74,952.9			
ANNUAL MEAN	292		205		404	
HIGHEST ANNUAL MEAN					1,142	1983
LOWEST ANNUAL MEAN					58.5	1977
HIGHEST DAILY MEAN	2,830	May 30	1,110	May 6	26,100	Jan 3, 1997
LOWEST DAILY MEAN	12	Aug 10	3.2	Sep 9	0.00	Sep 5, 1992
ANNUAL SEVEN-DAY MINIMUM	12	Aug 10	3.5	Sep 3	1.5	Aug 24, 1992
MAXIMUM PEAK FLOW			1,200	May 6	30,500	Jan 3, 1997
MAXIMUM PEAK STAGE			4.21	May 6	18.43	Jan 3, 1997
ANNUAL RUNOFF (AC-FT)	211,500		148,700		293,000	
10 PERCENT EXCEEDS	629		556		1,070	
50 PERCENT EXCEEDS	162		138		180	
90 PERCENT EXCEEDS	19		7.5		20	

e Estimated

10311089 NORTH FORK KINGS CANYON DIVERSION NEAR CARSON CITY, NV

LOCATION.--Lat 39°09'18", long 119°48'58" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 23, T.15 N., R.19 E., Carson City County, Hydrologic Unit 16050201, on left bank, 2.9 mi west of Carson Street off Kings Canyon Road.

DRAINAGE AREA.--1.83 mi^2.

PERIOD OF RECORD.--March 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,530 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Periodic regulation for municipal use. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5.7 ft^3/s, January 7, 1997, maximum gage height, 3.96 ft, January 2, 1997; no flow at times, some years, due to head gate regulation upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4.2 ft^3/s, March 29, 30, gage height, 2.74 ft; minimum daily discharge, 0.44 ft^3/s, March 13.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	0.83	1.2	1.2	1.0	0.79	1.1	0.65	0.95	0.99	0.90	1.0
2	1.2	1.2	1.2	1.2	1.0	0.79	1.1	0.93	0.95	0.96	0.91	1.0
3	1.2	1.2	1.2	0.84	1.0	0.79	0.73	0.95	0.95	0.60	0.91	1.0
4	0.78	1.2	1.2	1.2	1.0	0.77	1.1	0.98	0.96	0.91	0.91	0.68
5	1.2	1.2	1.2	e1.1	1.0	0.75	1.1	1.0	0.65	0.92	0.91	1.0
6	1.2	1.2	0.83	e1.1	1.0	0.49	1.1	1.0	0.99	0.91	0.91	1.0
7	1.2	1.3	1.2	e1.1	0.71	0.76	1.1	1.0	1.0	0.91	0.58	1.0
8	1.2	0.91	1.2	0.93	0.99	0.77	1.1	0.68	0.99	0.92	0.95	1.0
9	1.2	1.3	1.2	0.95	0.99	0.75	1.1	0.96	1.0	0.91	0.95	1.1
10	1.2	1.3	1.2	0.65	0.99	0.74	0.71	0.99	1.0	0.56	0.95	1.1
11	0.76	1.3	1.2	0.93	0.98	0.75	0.91	0.99	1.0	0.90	0.95	0.69
12	1.1	1.3	1.2	0.95	0.99	0.75	0.94	0.99	0.65	0.91	0.95	1.1
13	1.1	1.3	0.83	0.99	0.99	0.44	0.95	0.99	1.0	0.91	0.95	1.1
14	1.1	1.3	1.1	1.0	0.69	0.74	1.0	0.89	1.0	0.90	0.61	1.1
15	1.1	0.87	1.1	1.0	0.95	0.79	1.1	0.54	1.0	0.91	0.95	1.1
16	1.1	1.2	1.2	1.0	0.71	0.79	1.1	0.81	0.99	0.92	0.95	1.1
17	1.1	1.2	1.2	0.70	0.54	0.79	0.74	0.83	0.98	0.58	0.95	1.1
18	0.79	1.2	1.2	1.0	0.96	0.77	0.95	0.85	0.99	0.90	0.96	0.69
19	1.1	1.2	1.2	1.0	0.95	0.77	0.95	0.87	0.65	0.91	1.0	1.1
20	1.1	1.3	0.83	1.0	0.89	0.48	0.96	0.87	0.98	0.91	1.0	1.1
21	1.1	1.3	1.1	1.0	0.60	0.75	0.98	0.87	0.99	0.91	0.66	1.1
22	1.1	0.95	1.1	1.0	0.87	0.76	0.97	0.58	0.99	0.91	0.99	1.1
23	1.1	1.3	1.1	1.0	0.87	0.75	0.95	0.79	1.00	0.91	1.0	1.1
24	1.1	1.2	1.2	0.70	0.85	0.75	0.67	0.79	0.98	0.58	1.0	1.1
25	0.80	1.2	1.2	1.0	0.84	0.75	0.95	0.79	0.97	0.91	1.0	0.71
26	1.1	1.2	e1.2	1.0	0.83	0.75	0.95	0.79	0.62	0.91	1.0	1.0
27	1.2	1.2	e0.83	1.0	0.83	0.49	0.96	0.79	0.97	0.91	1.0	1.0
28	1.2	1.2	e1.2	1.0	0.56	0.79	0.95	0.82	0.99	0.91	0.65	1.0
29	1.2	0.83	1.2	1.0	0.79	1.8	0.95	0.60	0.98	0.91	1.0	1.0
30	1.2	1.2	1.2	1.0	---	2.3	0.95	0.95	0.99	0.91	1.0	1.1
31	1.2	---	1.2	0.71	---	1.1	---	0.95	---	0.56	1.0	---
TOTAL	34.23	35.39	35.22	30.25	25.37	25.46	29.12	26.49	28.16	26.67	28.45	30.27
MEAN	1.10	1.18	1.14	0.98	0.87	0.82	0.97	0.85	0.94	0.86	0.92	1.01
MAX	1.2	1.3	1.2	1.2	1.0	2.3	1.1	1.0	1.0	0.99	1.0	1.1
MIN	0.76	0.83	0.83	0.65	0.54	0.44	0.67	0.54	0.62	0.56	0.58	0.68
AC-FT	68	70	70	60	50	50	58	53	56	53	56	60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	1.25	1.60	1.41	1.26	1.14	1.25	1.28	1.26	1.63	1.63	1.38	1.13
MAX	3.31	3.69	3.05	3.15	2.52	3.08	3.17	3.77	4.65	4.50	3.25	2.66
(WY)	(1999)	(1996)	(1997)	(1998)	(1998)	(1999)	(1997)	(1997)	(1996)	(1996)	(1995)	(1996)
MIN	0.32	0.28	0.29	0.29	0.33	0.38	0.22	0.17	0.23	0.23	0.20	0.26
(WY)	(1992)	(1993)	(1992)	(1992)	(1992)	(1992)	(1989)	(1992)	(1992)	(1992)	(1992)	(1992)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	366.99		355.08			
ANNUAL MEAN	1.01		0.97		1.37	
HIGHEST ANNUAL MEAN					2.90	1996
LOWEST ANNUAL MEAN					0.31	1992
HIGHEST DAILY MEAN	2.3	Mar 14	2.3	Mar 30	5.7	Jan 7, 1997
LOWEST DAILY MEAN	0.52	May 24	0.44	Mar 13	0.00	Mar 9, 1995
ANNUAL SEVEN-DAY MINIMUM	0.76	May 20	0.71	Mar 8	0.11	May 17, 1992
ANNUAL RUNOFF (AC-FT)	728		704		994	
10 PERCENT EXCEEDS	1.2		1.2		3.1	
50 PERCENT EXCEEDS	0.98		0.99		0.96	
90 PERCENT EXCEEDS	0.76		0.71		0.31	

e Estimated

10311090 NORTH FORK KINGS CANYON CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°09'17", long 119°48'58" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 23, T.15 N., R.19 E., Carson City County, Hydrologic Unit 16050201, on right bank, off Kings Canyon Road, 2.9 mi west of Carson Street.

DRAINAGE AREA.--1.83 mi^2.

PERIOD OF RECORD.--March 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,530 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Periodic diversions for municipal use. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 140 ft^3/s, January 2, 1997, gage height, 3.96 ft; no flow at times, most years, due to gate regulation.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2.2 ft^3/s, February 16, gage height, 2.00 ft; minimum daily discharge, 0.09 ft^3/s, April 16.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.33	0.59	0.24	0.37	0.40	0.21	0.17	0.56	0.22	0.16	0.39	0.16
2	0.30	0.30	0.22	0.35	0.40	0.21	0.16	0.33	0.22	0.16	0.38	0.16
3	0.30	0.28	0.21	0.82	0.39	0.21	0.56	0.33	0.24	0.55	0.40	0.18
4	0.66	0.26	0.21	e0.52	0.33	0.21	0.24	0.32	0.21	0.16	0.40	0.57
5	0.40	0.32	0.26	e0.52	0.42	0.21	0.22	0.29	0.61	0.16	0.40	0.27
6	0.40	0.28	0.72	e0.52	0.40	0.59	0.21	0.27	0.33	0.15	0.40	0.27
7	0.40	0.27	0.26	e0.52	0.67	0.28	0.21	0.27	0.28	0.14	0.79	0.24
8	0.40	0.65	0.18	e0.52	0.35	0.27	0.21	0.53	0.22	0.14	0.53	0.21
9	0.33	0.29	0.21	0.53	0.29	0.30	0.21	0.24	0.28	0.13	0.53	0.20
10	0.33	0.24	0.21	0.79	0.27	0.32	0.61	0.21	0.27	0.58	0.50	0.18
11	0.72	0.21	0.19	0.53	0.27	0.29	0.33	0.21	0.27	0.18	0.46	0.56
12	0.40	0.21	0.20	0.53	0.27	0.27	0.21	0.16	0.68	0.16	0.46	0.21
13	0.40	0.21	0.58	0.49	0.27	0.62	0.21	0.16	0.30	0.16	0.46	0.21
14	0.40	0.21	0.28	0.43	0.58	0.30	0.15	0.21	0.27	0.16	0.73	0.21
15	0.40	0.59	e0.26	0.42	0.26	0.26	0.11	0.57	0.27	0.16	0.34	0.21
16	0.40	0.21	e0.24	0.41	0.81	0.24	0.09	0.33	0.27	0.16	0.27	0.21
17	0.40	0.21	0.21	0.69	0.85	0.25	0.47	0.33	0.27	0.55	0.27	0.21
18	0.72	0.21	0.21	0.41	0.27	0.27	0.16	0.33	0.27	0.21	0.25	0.57
19	0.53	0.21	0.21	0.40	0.18	0.27	0.16	0.33	0.63	0.21	0.21	0.27
20	0.53	0.21	0.55	0.42	0.19	0.61	0.17	0.33	0.33	0.19	0.21	0.24
21	0.41	0.21	0.20	0.40	0.56	0.28	0.17	0.33	0.33	0.19	0.52	0.21
22	0.27	e0.55	0.16	e0.40	0.21	0.28	0.17	0.57	0.30	0.18	0.21	0.21
23	0.27	e0.35	0.17	0.40	0.22	0.30	0.16	0.23	0.25	0.18	0.16	0.20
24	0.27	0.27	0.41	0.69	0.21	0.26	0.46	0.21	0.21	0.54	0.16	0.19
25	0.63	0.27	0.32	0.40	0.25	0.23	0.21	0.21	0.19	0.21	0.16	0.56
26	0.33	0.27	e0.32	0.40	0.27	0.21	0.20	0.18	0.56	0.21	0.16	0.24
27	0.33	0.27	e0.58	0.40	0.21	0.58	0.23	0.17	0.19	0.21	0.16	0.21
28	0.33	0.27	e0.40	0.40	0.56	0.26	0.22	0.33	0.17	0.21	0.51	0.21
29	0.33	0.60	e0.40	0.40	0.21	0.42	0.18	0.60	0.16	0.20	0.27	0.19
30	0.33	0.27	0.40	0.40	---	0.46	0.17	0.26	0.16	0.16	0.25	0.16
31	0.33	---	0.38	0.69	---	0.19	---	0.21	---	0.59	0.20	---
TOTAL	12.58	9.29	9.39	15.17	10.57	9.66	7.03	9.61	8.96	7.35	11.14	7.72
MEAN	0.41	0.31	0.30	0.49	0.36	0.31	0.23	0.31	0.30	0.24	0.36	0.26
MAX	0.72	0.65	0.72	0.82	0.85	0.62	0.61	0.60	0.68	0.59	0.79	0.57
MIN	0.27	0.21	0.16	0.35	0.18	0.19	0.09	0.16	0.16	0.13	0.16	0.16
AC-FT	25	18	19	30	21	19	14	19	18	15	22	15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	0.85	0.47	0.38	0.55	0.37	0.41	0.44	0.59	0.66	0.74	0.82	0.84
MAX	1.92	0.82	0.55	3.09	0.53	0.80	1.02	1.09	1.99	2.12	1.68	1.82
(WY)	(1999)	(1999)	(1992)	(1997)	(1992)	(1995)	(1989)	(1989)	(1997)	(1997)	(1997)	(1997)
MIN	0.38	0.25	0.20	0.15	0.16	0.18	0.23	0.23	0.30	0.24	0.22	0.24
(WY)	(1993)	(1995)	(1993)	(1995)	(1993)	(1993)	(2004)	(2003)	(2004)	(2004)	(1994)	(1991)

10311090 NORTH FORK KINGS CANYON CREEK NEAR CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	119.05		118.47			
ANNUAL MEAN	0.33		0.32		0.59	
HIGHEST ANNUAL MEAN					1.25	1997
LOWEST ANNUAL MEAN					0.32	2004
HIGHEST DAILY MEAN	0.78	Aug 2	0.85	Feb 17	34	Jan 2, 1997
LOWEST DAILY MEAN	0.12	May 11	0.09	Apr 16	0.00	Feb 25, 1990
ANNUAL SEVEN-DAY MINIMUM	0.19	May 7	0.19	Apr 14	0.00	Dec 24, 1997
MAXIMUM PEAK FLOW			2.2	Feb 16	140	Jan 2, 1997
MAXIMUM PEAK STAGE			2.00	Feb 16	3.96	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	236		235		426	
10 PERCENT EXCEEDS	0.56		0.57		1.3	
50 PERCENT EXCEEDS	0.28		0.27		0.40	
90 PERCENT EXCEEDS	0.20		0.17		0.17	

e Estimated

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10311100 KINGS CANYON CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°09'14", long 119°48'25" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 23, T.15 N., R.19 E., Carson City County, Hydrologic Unit 16050201, on right bank, off Kings Canyon Road, 2.5 mi west of Carson Street.

DRAINAGE AREA.--4.06 mi^2.

PERIOD OF RECORD.--June 1976 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,180 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversion for municipal use above station. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 276 ft^3/s, January 2, 1997, gage height, 5.42 ft; maximum gage height, 5.44 ft, February19, 1986; minimum daily, 0.02 ft^3/s, August 1, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2.2 ft^3/s, February 16, gage height, 3.99 ft; minimum daily discharge, 0.16 ft^3/s, July 9, September 8, 9.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.24	0.82	0.73	0.63	0.47	0.61	0.37	0.46	0.23	e0.20	0.26	0.20
2	0.24	0.62	0.72	0.63	0.49	0.59	0.53	0.43	0.22	e0.20	0.27	0.20
3	0.26	0.63	0.71	0.75	0.47	0.57	0.41	0.35	0.21	e0.45	0.26	0.19
4	0.49	0.63	0.71	0.71	0.44	0.58	0.39	0.31	0.21	e0.20	0.25	0.32
5	0.26	0.63	0.74	0.65	0.44	0.59	0.35	0.30	0.31	e0.20	0.21	0.19
6	0.28	0.62	1.1	0.69	0.45	0.75	0.40	0.28	0.22	e0.19	0.27	0.18
7	0.27	0.62	0.86	0.72	0.59	0.57	0.44	0.41	e0.20	e0.18	0.69	0.17
8	0.25	0.82	0.72	0.71	0.43	0.56	0.44	0.27	e0.19	e0.17	0.38	0.16
9	0.24	0.67	0.74	0.67	0.42	0.57	0.59	0.30	e0.28	e0.16	0.39	0.16
10	0.27	0.59	0.76	0.80	0.41	0.56	0.52	0.27	e0.28	e0.44	0.37	0.18
11	0.52	0.56	0.73	0.65	0.41	0.54	0.50	0.34	e0.28	e0.22	0.33	0.34
12	0.41	0.56	0.73	0.64	0.41	0.53	0.50	0.33	e0.54	e0.19	0.30	0.20
13	0.41	0.57	1.0	0.61	0.40	0.69	0.45	0.31	e0.32	e0.19	0.32	0.19
14	0.39	0.57	0.83	0.57	0.57	0.51	0.41	0.32	e0.31	e0.19	0.65	0.20
15	0.39	0.79	0.75	0.54	0.51	0.48	0.42	0.51	e0.31	e0.19	0.39	0.19
16	0.38	0.63	0.74	0.54	1.1	0.47	0.58	0.39	e0.31	e0.19	0.39	0.19
17	0.39	0.64	0.73	0.69	1.1	0.49	0.48	0.36	e0.31	e0.41	0.30	0.18
18	0.55	0.61	0.73	0.54	0.77	0.49	0.48	0.34	e0.31	e0.25	0.31	0.33
19	0.39	0.62	0.74	0.54	0.59	0.63	0.48	0.35	e0.50	e0.25	0.27	0.22
20	0.39	0.64	0.98	0.54	0.57	0.48	0.49	0.34	e0.36	e0.23	0.27	0.22
21	0.37	0.67	0.80	0.52	0.73	0.49	0.49	0.35	e0.36	e0.23	0.59	0.21
22	0.36	0.82	0.76	0.51	0.58	0.46	0.47	0.48	e0.31	e0.22	0.33	0.21
23	0.36	0.76	0.75	0.49	0.55	0.43	0.60	0.36	e0.27	0.24	0.23	0.19
24	0.38	0.75	0.93	0.66	0.54	0.44	0.49	0.36	e0.25	0.39	0.19	0.17
25	0.59	0.73	0.69	0.48	0.78	0.44	0.47	0.35	e0.23	0.23	0.20	0.32
26	0.43	0.73	0.61	0.46	0.69	0.56	0.47	0.36	e0.44	0.22	0.20	0.23
27	0.42	0.72	0.64	0.48	0.60	0.40	0.46	0.35	e0.23	0.22	0.21	0.21
28	0.39	0.75	0.50	0.46	0.73	0.48	0.45	0.38	e0.21	0.21	0.49	0.20
29	0.41	0.96	0.65	0.46	0.59	0.55	0.44	0.39	e0.20	0.24	0.24	0.21
30	0.52	0.73	0.63	0.47	---	0.39	0.56	0.26	e0.20	0.25	0.22	0.21
31	0.61	---	0.62	0.61	---	0.38	---	0.24	---	0.46	0.20	---
TOTAL	11.86	20.46	23.33	18.42	16.83	16.28	14.13	10.85	8.60	7.61	9.98	6.37
MEAN	0.38	0.68	0.75	0.59	0.58	0.53	0.47	0.35	0.29	0.25	0.32	0.21
MAX	0.61	0.96	1.1	0.80	1.1	0.75	0.60	0.51	0.54	0.46	0.69	0.34
MIN	0.24	0.56	0.50	0.46	0.40	0.38	0.35	0.24	0.19	0.16	0.19	0.16
AC-FT	24	41	46	37	33	32	28	22	17	15	20	13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

MEAN	1.31	1.16	1.09	1.32	1.55	1.52	1.30	1.12	1.47	1.43	1.34	1.22
MAX	5.69	5.41	5.13	7.96	6.86	4.41	4.33	4.53	8.29	8.01	7.04	4.97
(WY)	(1984)	(1984)	(1984)	(1997)	(1986)	(1983)	(1982)	(1983)	(1983)	(1983)	(1983)	(1983)
MIN	0.13	0.16	0.17	0.19	0.30	0.37	0.28	0.24	0.22	0.09	0.07	0.15
(WY)	(1993)	(1993)	(1994)	(1993)	(1993)	(1992)	(1993)	(1992)	(1992)	(1994)	(1994)	(1992)

10311100 KINGS CANYON CREEK NEAR CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL TOTAL	202.40		164.72			
ANNUAL MEAN	0.55		0.45		1.33	
HIGHEST ANNUAL MEAN					4.58	1983
LOWEST ANNUAL MEAN					0.35	1992
HIGHEST DAILY MEAN	1.1	Dec 6	1.1	Dec 6	66	Jan 2, 1997
LOWEST DAILY MEAN	0.20	Aug 7	0.16	Jul 9	0.02	Aug 1, 1994
ANNUAL SEVEN-DAY MINIMUM	0.25	Sep 23	0.19	Sep 4	0.05	Oct 17, 1992
MAXIMUM PEAK FLOW			2.2	Feb 16	276	Jan 2, 1997
MAXIMUM PEAK STAGE			3.99	Feb 16	5.44	Feb 19, 1986
ANNUAL RUNOFF (AC-FT)	401		327		961	
10 PERCENT EXCEEDS	0.75		0.73		3.1	
50 PERCENT EXCEEDS	0.57		0.44		0.81	
90 PERCENT EXCEEDS	0.29		0.20		0.27	

e Estimated

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10311200 ASH CANYON CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°10'35", long 119°48'17" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec. 12, T.15 N., R.19 E., Carson City County, Hydrologic Unit 16050201, on left bank, 2 mi west of intersection of Carson and Bath Streets.

DRAINAGE AREA.--5.2 mi^2.

PERIOD OF RECORD.--July 1976 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,080 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Daily flows and peak flows may be influenced by intermittent diversions from Marlette Lake and Hobart Reservoir. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 330 ft^3/s, January 2, 1997, gage height, 4.95 ft; minimum daily, 0.47 ft^3/s, August 19, 1992.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4.0 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
February 6	0815	4.3	3.75	April 27	1930	*6.7	*3.80
March 22	1800	6.2	3.81	May 28	0545	6.2	3.77
April 4	1900	6.2	3.80				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	1.9	1.5	2.0	2.1	2.4	3.3	4.3	4.2	1.5	1.2	1.4
2	1.6	1.9	1.5	2.1	2.0	2.5	2.8	5.1	3.9	1.5	1.2	1.5
3	1.6	2.1	2.1	e2.0	1.9	2.6	3.4	4.9	3.5	1.4	1.5	1.7
4	1.7	2.0	2.0	e2.0	1.9	2.6	4.1	4.8	3.1	1.4	1.8	1.8
5	1.8	2.1	3.0	e2.0	1.8	2.5	4.5	4.2	3.0	1.4	1.8	1.8
6	1.7	2.1	4.4	2.0	2.1	2.6	4.0	4.1	3.0	1.3	1.7	1.7
7	1.7	2.1	4.6	1.9	1.8	2.8	4.1	4.2	2.8	1.3	1.7	1.7
8	1.6	2.1	2.7	1.9	1.7	3.3	4.3	4.2	2.8	1.3	1.8	1.7
9	1.5	1.9	2.7	1.8	1.8	3.9	4.2	4.0	3.0	1.3	1.7	1.7
10	1.5	1.9	2.9	1.8	1.8	4.4	3.8	4.4	2.8	1.3	1.7	1.7
11	1.6	1.8	2.8	1.8	2.1	3.6	3.8	5.0	2.5	1.3	1.8	1.9
12	1.5	2.0	2.6	1.8	1.9	3.4	3.9	4.3	2.4	1.3	1.7	2.0
13	1.5	2.0	2.9	1.9	2.1	3.4	3.9	3.4	2.2	1.3	1.5	2.0
14	1.5	2.0	2.9	2.0	2.4	3.6	3.6	3.3	2.2	1.4	1.5	2.2
15	1.6	2.1	2.5	1.8	2.6	3.6	3.5	3.3	2.1	e1.4	1.7	2.2
16	1.6	1.6	e2.5	1.8	4.8	2.9	3.4	3.2	2.2	e1.4	1.4	2.2
17	1.5	1.7	2.6	1.8	4.0	3.5	3.2	3.2	1.9	e1.4	1.2	2.1
18	1.5	1.6	2.5	1.9	3.6	3.7	3.1	3.1	1.7	e1.4	1.3	2.1
19	1.5	1.7	2.6	2.3	2.9	3.9	3.3	3.1	1.7	e1.3	1.2	1.6
20	1.5	1.9	2.7	2.6	2.8	3.6	3.3	3.0	1.7	e1.2	1.3	1.3
21	1.5	1.8	2.6	2.5	2.9	4.1	3.1	2.8	1.7	e1.2	1.3	1.2
22	1.6	e1.8	3.1	e2.3	2.8	4.3	3.2	2.8	1.6	1.2	1.5	1.1
23	1.7	e1.8	3.1	2.3	2.8	3.7	3.3	2.2	1.6	1.3	1.6	1.1
24	1.8	e1.8	4.2	2.6	3.0	3.2	3.9	2.0	1.6	1.3	1.6	1.1
25	1.8	e1.8	2.2	2.6	3.3	2.9	3.9	1.9	1.6	1.2	1.6	1.1
26	1.7	e1.9	1.7	e2.3	2.8	2.6	4.5	1.9	1.6	1.2	1.6	1.1
27	1.7	1.9	e1.7	2.8	2.4	2.5	4.9	1.9	1.6	1.2	1.6	1.2
28	1.8	1.9	e1.7	2.3	2.3	2.9	5.2	4.7	1.6	1.2	1.5	1.2
29	1.9	1.8	1.9	2.1	2.4	2.9	4.4	4.4	1.6	1.3	1.6	1.3
30	2.1	1.6	1.9	2.2	---	3.5	4.0	4.3	1.6	1.2	1.6	1.3
31	1.9	---	1.9	2.1	---	3.6	---	4.3	---	1.3	1.5	---
TOTAL	51.1	56.6	80.0	65.3	72.8	101.0	113.9	112.3	68.8	40.7	47.7	48.0
MEAN	1.65	1.89	2.58	2.11	2.51	3.26	3.80	3.62	2.29	1.31	1.54	1.60
MAX	2.1	2.1	4.6	2.8	4.8	4.4	5.2	5.1	4.2	1.5	1.8	2.2
MIN	1.5	1.6	1.5	1.8	1.7	2.4	2.8	1.9	1.6	1.2	1.2	1.1
AC-FT	101	112	159	130	144	200	226	223	136	81	95	95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

MEAN	2.54	2.95	3.00	3.15	3.34	3.68	4.13	5.30	5.32	3.29	2.51	2.29
MAX	6.03	7.57	9.32	11.5	8.82	7.48	7.59	11.8	19.6	12.6	9.25	6.49
(WY)	(1984)	(1984)	(1997)	(1997)	(1986)	(1986)	(1997)	(1984)	(1983)	(1983)	(1983)	(1983)
MIN	0.96	1.06	1.45	1.66	1.61	1.59	1.74	1.40	0.83	0.65	0.54	0.67
(WY)	(1993)	(1993)	(1995)	(1991)	(1993)	(1992)	(1992)	(1992)	(1992)	(1992)	(1992)	(1992)

10311200 ASH CANYON CREEK NEAR CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL TOTAL	964.5		858.2			
ANNUAL MEAN	2.64		2.34		3.47	
HIGHEST ANNUAL MEAN					7.77	1983
LOWEST ANNUAL MEAN					1.26	1992
HIGHEST DAILY MEAN	7.5	May 24	5.2	Apr 28	70	Jan 2, 1997
LOWEST DAILY MEAN	1.4	Aug 25	1.1	Sep 22	0.47	Aug 19, 1992
ANNUAL SEVEN-DAY MINIMUM	1.5	Aug 25	1.1	Sep 21	0.49	Jul 29, 1992
MAXIMUM PEAK FLOW			10	Feb 16	330	Jan 2, 1997
MAXIMUM PEAK STAGE			3.86	Feb 16	4.95	Jan 2, 1997
INSTANTANEOUS LOW FLOW			1.0	Sep 1		
ANNUAL RUNOFF (AC-FT)	1,910		1,700		2,510	
10 PERCENT EXCEEDS	4.0		3.9		6.5	
50 PERCENT EXCEEDS	2.4		2.0		2.6	
90 PERCENT EXCEEDS	1.6		1.3		1.3	

e Estimated

CARSON RIVER BASIN, MIDDLE CARSON RIVER BASIN

10311300 EAGLE VALLEY CREEK AT CARSON CITY, NV

LOCATION (REVISED).--Lat 39°09'54.99", long 119°43'20.01" referenced to North American Datum of 1983, in SE ¼ NW ¼ sec. 15, T.15 N., R.20 E., Carson City County, Hydrologic Unit 16050202, on right bank, 1,100 ft downstream from North Edmonds Drive, and 1.1 mi south of intersection with U.S. Highway 50.

DRAINAGE AREA.--34.4 mi^2.

PERIOD OF RECORD.--January 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,620 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges and period August 11 to September 30, which are poor. Flows prior to September 1986 included effluent discharge from Carson City Water Treatment Plant. See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,110 ft^3/s, February 19, 1986, gage height, 8.85 ft; maximum gage height, 9.32 ft, January 2, 1997; no flow at times, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 68 ft^3/s, February 25, gage height, 6.06 ft; minimum daily discharge, 0.00 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.03	0.23	0.63	2.4	0.77	0.62	0.37	0.26	0.33	0.08	0.01	e0.10
2	0.03	0.24	0.64	2.2	1.1	2.5	0.37	0.25	0.36	0.12	0.00	e0.11
3	0.03	0.27	0.64	1.0	1.7	0.69	0.37	0.27	0.34	0.12	0.00	0.08
4	0.03	0.30	0.63	0.94	0.90	0.53	0.37	0.26	0.32	0.07	0.00	0.09
5	0.06	0.27	0.69	1.0	0.83	0.48	0.36	0.24	0.30	0.04	0.03	0.11
6	0.06	0.27	0.68	0.97	0.89	0.45	0.35	0.25	0.33	e0.03	0.01	0.05
7	0.06	0.31	4.0	1.0	1.4	0.42	0.35	0.27	0.29	e0.03	0.01	0.03
8	0.05	0.33	0.91	1.1	0.95	0.40	0.37	0.25	0.32	e0.03	0.00	0.06
9	0.05	3.9	0.80	0.99	0.74	0.42	0.36	0.24	0.38	e0.03	0.00	0.07
10	0.04	0.63	2.2	0.97	0.68	0.44	0.42	0.23	0.38	e0.03	0.00	0.04
11	0.04	0.47	1.4	0.96	0.68	0.43	0.43	1.5	0.40	e0.03	0.00	0.07
12	0.04	0.45	0.98	0.94	0.66	0.42	0.35	0.65	0.41	e0.03	0.00	0.07
13	0.05	0.50	0.87	0.99	0.69	0.45	0.34	0.54	0.31	e0.03	0.00	0.08
14	0.07	0.49	10	1.0	0.73	0.40	e0.34	e0.20	0.34	e0.03	0.07	0.05
15	0.08	0.53	2.3	1.0	0.75	0.38	e0.34	e0.20	0.32	e0.03	0.59	0.13
16	0.06	0.56	0.87	0.94	0.81	0.39	e0.34	e0.20	0.29	e0.03	0.80	0.09
17	0.06	0.50	0.80	0.94	0.89	0.39	e0.34	e0.20	0.29	e0.03	0.00	0.06
18	0.10	0.53	0.74	0.95	3.2	0.44	e0.34	e0.20	0.26	e0.03	0.00	0.04
19	0.14	0.53	0.72	0.94	0.89	0.46	e0.34	e0.20	0.16	e0.03	0.00	0.03
20	0.15	0.54	0.61	5.3	0.63	0.43	e0.34	e0.20	0.11	e0.03	0.11	0.03
21	0.10	0.53	1.5	2.7	0.71	0.39	e0.34	e0.20	0.10	e0.03	0.13	0.03
22	0.07	0.54	0.80	0.84	0.74	0.40	0.35	e0.20	0.11	e0.03	0.16	0.03
23	0.06	0.53	0.76	0.74	0.78	0.42	0.34	e0.20	0.17	e0.03	0.16	0.03
24	0.05	0.56	6.2	0.77	0.85	0.41	0.32	e0.20	1.3	e0.03	e0.10	0.04
25	0.07	0.58	5.3	0.79	15	0.41	0.30	0.43	0.27	e0.03	0.15	0.06
26	0.11	0.57	1.3	0.74	12	0.81	0.29	0.45	0.12	e0.03	0.06	0.07
27	0.14	0.58	0.91	0.80	1.8	0.37	0.29	0.40	0.08	0.03	e0.10	0.08
28	0.15	0.59	0.80	0.77	0.56	0.34	0.28	1.1	0.09	e0.03	e0.10	0.08
29	0.18	0.62	4.1	0.74	0.49	0.34	0.28	0.60	0.10	e0.03	e0.10	0.10
30	0.14	0.63	7.2	0.75	---	0.34	0.27	0.43	0.10	0.03	e0.10	0.09
31	0.17	---	2.1	0.76	---	0.37	---	0.35	---	0.02	e0.10	---
TOTAL	2.47	17.58	62.08	36.93	52.82	15.74	10.25	11.17	8.68	1.20	2.89	2.00
MEAN	0.08	0.59	2.00	1.19	1.82	0.51	0.34	0.36	0.29	0.04	0.09	0.07
MAX	0.18	3.9	10	5.3	15	2.5	0.43	1.5	1.3	0.12	0.80	0.13
MIN	0.03	0.23	0.61	0.74	0.49	0.34	0.27	0.20	0.08	0.02	0.00	0.03
AC-FT	4.9	35	123	73	105	31	20	22	17	2.4	5.7	4.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	1.32	2.27	3.99	8.36	9.76	5.91	2.29	1.73	1.74	0.64	0.55	1.02
MAX	11.8	7.98	25.4	81.9	91.9	24.5	11.5	9.20	9.67	5.52	3.84	5.52
(WY)	(1987)	(1987)	(1997)	(1997)	(1986)	(1986)	(1986)	(1986)	(1986)	(1986)	(1986)	(1987)
MIN	0.04	0.24	0.25	0.25	0.42	0.35	0.15	0.17	0.05	0.02	0.01	0.00
(WY)	(2003)	(1991)	(1995)	(1994)	(1991)	(1988)	(1994)	(1992)	(2002)	(1988)	(1988)	(2002)

10311300 EAGLE VALLEY CREEK AT CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	266.36		223.81			
ANNUAL MEAN	0.73		0.61		3.16	
HIGHEST ANNUAL MEAN					15.7	1986
LOWEST ANNUAL MEAN					0.42	1991
HIGHEST DAILY MEAN	24	Apr 13	15	Feb 25	775	Jan 2, 1997
LOWEST DAILY MEAN	0.01	Jul 2	0.00	Aug 2	0.00	Jul 1, 1988
ANNUAL SEVEN-DAY MINIMUM	0.01	Jul 2	0.00	Aug 7	0.00	Jul 1, 1988
MAXIMUM PEAK FLOW			68	Feb 25	1,110	Feb 19, 1986
MAXIMUM PEAK STAGE			6.06	Feb 25	9.32	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	528		444		2,290	
10 PERCENT EXCEEDS	1.0		0.98		7.1	
50 PERCENT EXCEEDS	0.49		0.34		0.43	
90 PERCENT EXCEEDS	0.01		0.03		0.06	

e Estimated

CARSON RIVER BASIN, MIDDLE CARSON RIVER BASIN

10311400 CARSON RIVER AT DEER RUN ROAD NEAR CARSON CITY, NV

LOCATION (REVISED).--Lat 39°10'52.96", long 119°41'41.53" referenced to North American Datum of 1983, in SW ¼ NW ¼ sec. 12, T.15 N., R.20 E., Carson City County, Hydrologic Unit 16050202, on left bank, 0.1 mi downstream from Deer Run Road and on Brunswick Road, 4 mi east of Carson City, and at mi 63.26 upstream from Lahontan Dam.

DRAINAGE AREA.--958 mi^2.

PERIOD OF RECORD.--April 1979 to September 1985, August 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,600 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for August and September, which are poor. Many diversions above station for irrigation. Flow slightly regulated by several small reservoirs on tributaries. See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 24,000 ft^3/s, January 3, 1997, gage height 24.23 ft; no flow at times, some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December, 1955 is believed to have been approximately 30,000 ft^3/s, based on slope-area measurement made at gaging station 5 mi upstream.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 6	1745	*1,170	*7.18				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	40	76	150	142	242	589	574	454	31	0.08	0.00
2	10	43	77	149	140	257	634	604	427	25	0.00	0.00
3	9.8	45	75	135	152	262	536	761	417	20	0.00	0.00
4	11	45	76	130	150	241	533	874	402	18	0.00	0.00
5	13	47	78	133	147	229	650	974	419	15	0.00	0.00
6	15	50	85	147	142	225	648	1,090	407	15	0.00	0.00
7	14	51	144	150	143	237	632	992	430	15	0.00	0.00
8	14	51	182	153	151	259	604	874	426	13	0.00	0.00
9	16	60	127	154	138	290	632	831	362	12	0.00	0.00
10	17	67	107	150	139	338	607	777	299	9.2	0.00	0.00
11	17	65	111	149	143	393	631	705	271	10	0.17	0.00
12	17	56	103	147	148	419	637	627	210	9.1	0.16	0.00
13	17	57	95	147	151	437	639	547	189	10	0.00	0.00
14	21	55	120	146	152	452	637	484	214	9.0	0.01	0.00
15	20	60	120	147	159	501	570	485	219	8.6	0.10	0.00
16	24	62	97	151	161	518	536	498	169	6.8	0.76	0.00
17	25	63	93	150	194	518	470	540	102	6.8	0.04	0.00
18	27	61	104	152	274	525	456	525	101	5.4	0.00	0.00
19	30	63	107	150	290	566	420	464	83	3.9	0.00	0.00
20	30	61	108	156	243	671	356	421	80	3.4	0.00	0.00
21	30	59	112	158	224	710	326	406	83	2.2	0.00	0.00
22	30	60	116	149	217	798	320	383	88	1.8	0.00	0.00
23	27	60	114	141	215	828	320	367	80	1.7	0.00	0.00
24	29	59	124	149	208	835	299	352	82	1.4	0.00	0.00
25	26	58	194	160	226	815	327	311	70	1.0	0.00	0.00
26	27	66	212	151	455	730	398	300	50	0.69	0.00	0.00
27	25	66	168	147	404	630	472	262	44	0.50	e0.00	e0.00
28	28	65	139	151	284	561	611	301	44	0.31	0.00	e0.00
29	30	69	120	146	253	522	715	699	39	0.14	0.00	e0.00
30	34	74	161	146	---	518	658	556	37	0.10	0.00	e0.00
31	34	---	158	143	---	555	---	468	---	0.12	0.00	---
TOTAL	676.9	1,738	3,703	4,587	5,845	15,082	15,863	18,052	6,298	256.16	1.32	0.00
MEAN	21.8	57.9	119	148	202	487	529	582	210	8.26	0.04	0.00
MAX	34	74	212	160	455	835	715	1,090	454	31	0.76	0.00
MIN	9.1	40	75	130	138	225	299	262	37	0.10	0.00	0.00
AC-FT	1,340	3,450	7,340	9,100	11,590	29,920	31,460	35,810	12,490	508	2.6	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

MEAN	118	229	284	463	426	502	652	1,261	1,056	361	77.2	52.9
MAX	534	1,086	987	3,106	1,134	1,147	1,407	2,273	4,319	1,770	669	259
(WY)	(1983)	(1984)	(1984)	(1997)	(1982)	(1995)	(1982)	(1983)	(1983)	(1995)	(1983)	(1983)
MIN	1.15	44.6	57.7	83.4	64.8	146	168	144	23.5	3.75	0.04	0.00
(WY)	(2002)	(1991)	(1991)	(1991)	(1991)	(1992)	(1994)	(1992)	(1992)	(1994)	(2004)	(2001)

10311400 CARSON RIVER AT DEER RUN ROAD NEAR CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1979 - 2004	
ANNUAL TOTAL	97,959.1		72,102.38			
ANNUAL MEAN	268		197		460	
HIGHEST ANNUAL MEAN					1,178	1983
LOWEST ANNUAL MEAN					90.7	1992
HIGHEST DAILY MEAN	2,650	May 31	1,090	May 6	22,600	Jan 3, 1997
LOWEST DAILY MEAN	3.3	Aug 30	0.00	Aug 2	0.00	Aug 20, 1994
ANNUAL SEVEN-DAY MINIMUM	4.1	Aug 28	0.00	Aug 2	0.00	Aug 31, 1994
MAXIMUM PEAK FLOW			1,170	May 6	24,000	Jan 3, 1997
MAXIMUM PEAK STAGE			7.18	May 6	24.23	Jan 3, 1997
ANNUAL RUNOFF (AC-FT)	194,300		143,000		333,300	
10 PERCENT EXCEEDS	570		571		1,210	
50 PERCENT EXCEEDS	161		113		200	
90 PERCENT EXCEEDS	9.7		0.00		9.6	

e Estimated

CARSON RIVER BASIN, MIDDLE CARSON RIVER BASIN

10311700 CARSON RIVER AT DAYTON, NV

LOCATION (REVISED).--Lat 39°14'16.06", long 119°35'16.29" referenced to North American Datum of 1983, in NE ¼ SE ¼ sec. 23, T.16 N., R.21 E., Lyon County, Hydrologic Unit 16050202, on right bank, 400 ft downstream from bridge on Dayton Valley Road in Dayton.

DRAINAGE AREA.--1,090 mi^2.

PERIOD OF RECORD.--April 1994 to September 1997; October 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,350 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Many diversions above station for irrigation. Flow slightly regulated by several small reservoirs on tributaries. See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,100 ft^3/s, January 3, 1997, gage height 15.80 ft; no flow at times, some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1955 is believed to have been approximately 30,000 ft^3/s, based on slope-area measurement made near Carson City. Flood of February 1986, discharge approximately 13,000 ft^3/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 6	2115	*1,230	*16.63				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	32	93	163	137	253	503	517	440	23	1.2	0.52
2	3.9	42	95	162	136	263	574	523	417	17	1.1	0.45
3	e3.1	45	91	143	146	267	464	692	402	14	1.1	0.40
4	e2.3	48	91	148	149	242	439	848	376	15	1.1	0.35
5	3.2	51	93	110	143	224	555	970	388	14	1.0	0.33
6	3.3	56	98	128	139	216	603	1,130	389	12	0.95	0.29
7	e2.7	58	154	144	134	221	564	1,040	409	10	0.86	0.28
8	e2.6	59	237	159	149	238	507	905	420	8.6	0.75	0.22
9	e2.4	70	174	161	137	264	533	851	361	6.1	0.67	e0.11
10	3.2	80	140	154	130	309	522	787	294	9.1	0.61	e0.00
11	4.6	86	143	153	139	366	533	715	266	7.6	0.56	e0.00
12	6.2	74	134	148	143	390	522	639	218	7.4	0.49	e0.00
13	5.3	72	121	147	149	401	529	547	192	4.1	0.48	e0.00
14	4.6	70	140	144	150	412	534	493	204	2.6	0.47	e0.00
15	7.1	73	152	142	158	448	475	488	213	2.4	0.45	e0.00
16	9.9	75	126	145	162	482	436	493	177	2.2	0.44	e0.00
17	13	76	107	143	172	479	390	538	105	2.0	0.42	e0.00
18	15	75	121	142	283	466	367	534	90	1.9	0.38	e0.00
19	17	77	126	141	301	495	336	480	78	2.6	0.40	e0.00
20	19	82	130	143	260	618	288	425	63	2.3	0.49	e0.00
21	19	77	131	152	236	655	260	411	65	1.6	0.56	e0.00
22	20	78	136	141	227	763	249	381	72	1.4	0.58	e0.00
23	18	76	135	132	225	803	243	369	65	1.3	0.68	e0.00
24	13	77	136	132	217	819	230	358	68	1.2	0.80	e0.00
25	14	74	193	152	227	799	239	313	54	1.2	0.86	e0.00
26	13	86	248	147	448	710	298	288	40	1.5	0.88	e0.00
27	13	86	190	139	458	591	366	266	31	1.5	0.88	e0.00
28	16	82	150	141	305	494	491	274	29	1.4	0.83	e0.00
29	19	84	127	141	267	453	635	683	31	1.3	0.78	e0.00
30	24	91	170	139	---	435	606	571	29	1.3	0.71	e0.00
31	27	---	174	138	---	486	---	461	---	1.3	0.61	---
TOTAL	328.5	2,112	4,356	4,474	5,927	14,062	13,291	17,990	5,986	178.9	22.09	2.95
MEAN	10.6	70.4	141	144	204	454	443	580	200	5.77	0.71	0.10
MAX	27	91	248	163	458	819	635	1,130	440	23	1.2	0.52
MIN	2.3	32	91	110	130	216	230	266	29	1.2	0.38	0.00
AC-FT	652	4,190	8,640	8,870	11,760	27,890	26,360	35,680	11,870	355	44	5.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY)

MEAN	49.6	153	282	853	507	739	673	1,310	1,069	369	65.6	22.5
MAX	120	305	660	3,125	981	1,315	1,119	2,206	2,855	1,786	314	57.9
(WY)	(1996)	(1997)	(1997)	(1997)	(1996)	(1995)	(1996)	(1995)	(1995)	(1995)	(1995)	(1995)
MIN	10.6	70.4	124	144	204	235	155	366	98.2	1.22	0.26	0.10
(WY)	(2004)	(2004)	(1995)	(2004)	(2004)	(2003)	(1994)	(1994)	(1994)	(1994)	(1994)	(2004)

10311700 CARSON RIVER AT DAYTON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1994 - 2004	
ANNUAL TOTAL	96,704.6		68,730.44			
ANNUAL MEAN	265		188		556	
HIGHEST ANNUAL MEAN					866	1995
LOWEST ANNUAL MEAN					188	2004
HIGHEST DAILY MEAN	2,830	May 31	1,130	May 6	23,000	Jan 3, 1997
LOWEST DAILY MEAN	1.5	Aug 16	0.00	Sep 10	0.00	Sep 10, 2004
ANNUAL SEVEN-DAY MINIMUM	2.1	Sep 19	0.00	Sep 10	0.00	Sep 10, 2004
MAXIMUM PEAK FLOW			1,230	May 6	23,100	Jan 3, 1997
MAXIMUM PEAK STAGE			16.63	May 6	18.04	May 30, 2003
ANNUAL RUNOFF (AC-FT)	191,800		136,300		402,900	
10 PERCENT EXCEEDS	528		518		1,500	
50 PERCENT EXCEEDS	150		130		216	
90 PERCENT EXCEEDS	3.5		0.49		8.6	

e Estimated

CARSON RIVER BASIN, MIDDLE CARSON RIVER BASIN

10312000 CARSON RIVER NEAR FORT CHURCHILL, NV

LOCATION.--Lat 39°17'30", long 119°18'40" referenced to North American Datum of 1983, in NE ¼ SE ¼ sec. 35, T.17 N., R.24 E., Lyon County, Hydrologic Unit 16050202, on left bank, 400 ft downstream from Buckland Ditch, 2.0 mi west of Fort Churchill, 4.5 mi upstream of Weeks Bridge, and at mi 30.82 upstream from Lahontan Reservoir.

DRAINAGE AREA.--1,302 mi^2 (Area at site when gage located at Weeks Bridge, 1,450 mi^2).

PERIOD OF RECORD.--April 1911 to current year.

REVISED RECORDS.--WSP 1514: 1917; WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,180 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to April 25, 1924, non recording gage at site 12.3 mi upstream at different datum. April 25, 1924 to December 31, 1933, water-stage recorder at site 12.5 mi upstream at different datum. January 1, 1934 to January 3, 1997 at various sites 4.5 mi upstream at different datums. Gage destroyed in January 1997 flood and relocated to Weeks Bridge February 1, 1997, at new datum. Relocated upstream 4.5 mi to previous site and datum, December 14, 1999.

REMARKS.--Records good except for estimated daily discharges, which are poor. See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,300 ft^3/s, January 3, 1997, gage height, 15.27 ft; no flow at times, some years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 7	0600	*1,170	*5.42				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	14	83	e180	130	274	446	487	449	12	2.1	1.5
2	1.9	18	81	e170	131	273	523	428	422	11	2.0	1.5
3	2.4	23	82	e175	132	275	482	513	401	10	2.0	1.4
4	2.7	26	80	e160	144	268	411	697	365	8.9	1.9	1.4
5	2.7	31	81	e135	140	246	442	820	358	e8.2	1.8	1.2
6	2.1	37	86	117	136	226	566	1,030	365	e7.6	1.7	1.2
7	2.5	43	92	126	131	215	540	1,060	376	e7.1	1.7	1.1
8	2.4	48	166	146	131	222	505	910	402	e6.6	1.9	1.1
9	2.1	51	197	154	137	237	468	821	381	5.6	2.1	0.99
10	2.0	58	156	153	125	265	497	768	337	5.3	2.0	1.00
11	2.0	68	138	152	125	324	494	710	285	5.2	1.9	0.94
12	2.3	73	139	149	128	381	477	639	241	5.0	1.9	0.82
13	2.6	68	131	146	133	397	498	535	194	4.9	2.1	0.80
14	3.0	72	123	143	138	413	503	472	177	4.8	2.5	1.0
15	3.0	75	147	141	139	432	481	435	189	4.7	3.4	0.87
16	2.7	78	143	140	147	488	416	431	183	4.6	4.0	0.92
17	2.8	77	119	142	151	508	394	450	140	4.6	3.3	0.90
18	2.6	80	114	139	197	495	352	471	95	4.0	2.4	0.94
19	2.3	77	123	139	255	481	333	432	85	3.5	2.2	1.2
20	2.3	77	129	143	265	579	286	375	85	3.3	2.5	1.3
21	2.5	76	127	147	241	649	254	357	71	e3.1	2.4	1.5
22	4.1	74	129	146	232	721	237	330	61	e2.8	2.4	1.5
23	4.1	73	133	140	229	796	223	331	47	2.6	2.4	1.4
24	4.3	72	e134	133	224	820	216	314	43	2.5	2.4	1.3
25	4.3	67	e140	135	220	855	205	277	37	2.4	2.0	1.3
26	4.8	66	e200	147	261	778	216	235	27	2.7	1.9	1.2
27	5.4	73	e200	140	495	656	253	223	21	2.6	2.0	1.1
28	5.1	76	e200	135	368	526	317	199	16	2.8	1.8	1.1
29	5.9	74	145	140	296	461	468	370	15	2.5	1.7	1.2
30	6.3	78	e140	134	---	404	550	630	15	2.3	1.6	1.2
31	8.5	---	e160	132	---	425	---	496	---	2.1	1.5	---
TOTAL	104.4	1,823	4,118	4,479	5,581	14,090	12,053	16,246	5,883	155.3	67.5	34.88
MEAN	3.37	60.8	133	144	192	455	402	524	196	5.01	2.18	1.16
MAX	8.5	80	200	180	495	855	566	1,060	449	12	4.0	1.5
MIN	1.9	14	80	117	125	215	205	199	15	2.1	1.5	0.80
AC-FT	207	3,620	8,170	8,880	11,070	27,950	23,910	32,220	11,670	308	134	69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2004, BY WATER YEAR (WY)

MEAN	60.3	170	264	336	386	410	560	1,092	953	246	33.0	16.7
MAX	481	1,653	2,540	3,001	2,378	1,674	1,475	2,923	4,141	1,600	613	238
(WY)	(1983)	(1951)	(1951)	(1997)	(1986)	(1995)	(1916)	(1969)	(1983)	(1995)	(1983)	(1983)
MIN	0.00	0.54	44.4	72.4	65.1	36.6	7.41	38.6	4.80	0.00	0.00	0.00
(WY)	(1925)	(1960)	(1960)	(1961)	(1991)	(1961)	(1977)	(1977)	(1992)	(1924)	(1924)	(1923)

10312000 CARSON RIVER NEAR FORT CHURCHILL, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1911 - 2004	
ANNUAL TOTAL	98,208.7		64,635.08			
ANNUAL MEAN	269		177		373	
HIGHEST ANNUAL MEAN					1,111	1983
LOWEST ANNUAL MEAN					36.3	1977
HIGHEST DAILY MEAN	2,740	May 31	1,060	May 7	20,000	Jan 3, 1997
LOWEST DAILY MEAN	1.9	Oct 2	0.80	Sep 13	0.00	Aug 27, 1923
ANNUAL SEVEN-DAY MINIMUM	2.2	Oct 6	0.89	Sep 11	0.00	Aug 27, 1923
MAXIMUM PEAK FLOW			1,170	May 7	22,300	Jan 3, 1997
MAXIMUM PEAK STAGE			5.42	May 7	15.27	Jan 3, 1997
ANNUAL RUNOFF (AC-FT)	194,800		128,200		270,200	
10 PERCENT EXCEEDS	541		484		1,020	
50 PERCENT EXCEEDS	140		128		169	
90 PERCENT EXCEEDS	3.1		1.8		0.10	

e Estimated

CARSON RIVER BASIN, MIDDLE CARSON RIVER BASIN

10312100 LAHONTAN RESERVOIR NEAR FALLON, NV

LOCATION.--Lat 39°27'45", long 119°04'00" referenced to North American Datum of 1927, in SW ¼ SE ¼ sec. 33, T.19 N., R.26 E., Churchill County, Hydrologic Unit 16050202, in outlet control house on upstream side of Lahontan Dam on Carson River, 18 mi west of Fallon.

DRAINAGE AREA.--1,799 mi^2. (not including inflow from Truckee Canal).

PERIOD OF RECORD.--January 1917 to current year. Monthly contents only for January 1917 to September 1960, published in WSP 1734.

REVISED RECORDS.--WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder since December 1999 and float tape with surface contact detector. Prior to 1956, float tape. Datum of gage is above National Geodetic Vertical Datum of 1929. Prior to 1966, at datum 3.73 ft lower (Bureau of Reclamation datum).

REMARKS.--Reservoir is formed by earth and gravel-fill dam, constructed by U.S. Bureau of Reclamation. Storage began sometime between the completion of the dam in June 1915 and the beginning of the period of record, January 1917. Capacity, 295,500 acre-ft between elevations, 4,060.0 ft., invert of outlet conduit, and 4,162.0 ft., spillway crest; includes 91 acre-ft of dead storage below elevation, 4,070 ft Surface area at spillway elevation, 13,470 acres. Water is used for irrigation of 87,500 acres in Newland Project. Figures given herein represent total contents and are computed from 0800 hour readings, based on capacity table dated March 9, 1989. Reservoir stores water from Carson River and from Truckee River via Truckee Canal at Derby Dam. Inflow is regulated by Lake Tahoe (station 10337000), Donner Lake (station 10338400), Prosser Creek (station 10340300), Stampede (station 10344300), Boca (station 10344490), other reservoirs, and Derby Dam. Extensive irrigation above reservoir in Carson and Truckee River basins. See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed (20-inch flashboard on weir), 328,600 acre-ft, June 16, 1942, elevation, 4,164.43 ft.; minimum observed, 91 acre-ft, September 07-09, 1929, elevation, 4,070.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 234,300 acre-ft, June 3, gage height, 4,156.32 ft; minimum contents, 78,060 acre-ft, November 10, gage height, 4,130.36 ft.

Capacity table, (elevation, in feet, and contents, in acre-feet)

4,095	7,960	4,120	46,150	4,145	150,800
4,100	12,760	4,125	59,780	4,150	183,600
4,105	18,840	4,130	76,650	4,155	222,800
4,110	26,120	4,135	97,990	4,160	270,700
4,115	34,990	4,140	122,800	4,165	339,900

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105,800	79,840	91,430	113,100	136,700	163,000	215,800	222,200	233,500	204,800	158,600	118,900
2	104,900	79,290	92,090	113,800	137,200	164,400	216,900	222,100	234,000	203,400	156,600	117,600
3	104,000	79,010	92,580	114,700	138,000	166,000	217,900	221,900	234,200	202,000	154,800	116,200
4	103,100	78,770	93,110	115,700	138,700	167,300	218,600	221,700	234,000	200,900	152,900	115,000
5	102,200	78,540	93,700	116,400	139,400	168,800	219,300	221,300	233,700	199,500	151,100	113,700
6	101,100	78,460	94,150	117,200	140,100	169,800	219,400	221,300	233,200	198,300	149,200	112,700
7	100,200	78,580	94,700	117,900	140,600	170,900	219,800	221,500	232,300	197,400	147,400	111,900
8	99,170	78,580	95,160	118,800	141,200	172,000	219,800	221,900	231,700	195,700	145,700	111,200
9	98,230	78,380	95,980	119,700	141,900	173,100	219,400	222,300	231,100	194,200	144,200	110,200
10	97,260	78,140	96,670	120,500	142,500	174,200	218,800	222,600	231,000	192,300	142,600	109,100
11	96,350	78,140	97,670	121,300	143,200	175,500	218,500	223,200	230,800	190,800	141,100	108,100
12	95,480	78,260	98,410	122,100	143,700	177,100	218,300	224,200	230,700	189,600	139,700	107,000
13	94,560	78,850	99,210	123,100	144,300	178,700	218,100	225,100	230,500	188,100	138,300	105,900
14	93,830	79,640	100,100	123,900	145,000	180,500	217,700	226,000	230,000	186,700	137,100	104,800
15	93,070	80,310	100,900	124,700	145,500	182,100	217,300	226,600	229,500	185,100	136,100	103,800
16	92,140	81,080	101,700	125,500	146,100	184,100	217,000	226,700	229,000	183,700	135,300	102,800
17	91,380	81,820	102,300	126,100	146,700	186,300	216,700	227,600	228,000	182,000	135,100	102,000
18	90,500	82,610	102,900	126,900	147,700	188,400	216,800	228,000	227,000	180,200	134,400	101,300
19	89,560	83,310	103,500	127,600	148,400	190,500	217,300	228,800	225,300	178,600	133,700	100,500
20	88,690	84,050	104,000	128,300	149,600	192,600	218,300	229,700	223,600	177,000	132,900	99,870
21	87,920	84,630	104,700	129,000	150,900	194,800	219,000	229,800	221,900	175,300	131,900	99,350
22	87,020	85,310	105,400	129,900	152,100	197,200	219,600	230,300	220,300	173,800	130,700	99,070
23	86,080	85,990	106,100	130,600	153,400	199,500	220,300	230,000	218,600	171,900	129,900	98,700
24	85,270	86,720	106,800	131,300	154,400	201,900	220,800	230,700	216,900	170,300	129,000	98,370
25	84,750	87,360	107,300	131,900	155,400	204,300	221,100	231,400	215,300	168,900	127,900	97,760
26	84,170	88,090	108,000	132,600	156,900	206,900	221,300	231,900	213,400	168,000	126,700	96,940
27	83,470	88,690	108,900	133,400	158,100	209,000	221,700	231,800	211,500	166,700	125,300	96,030
28	82,850	89,340	109,800	134,000	159,900	211,400	221,500	231,700	209,700	165,600	124,000	95,250
29	82,190	90,010	110,400	134,700	161,700	213,500	221,600	231,100	207,800	164,000	122,600	94,430
30	81,370	90,720	111,200	135,400	---	214,700	221,800	231,700	206,300	162,300	121,300	93,790
31	80,550	---	112,100	135,800	---	215,500	---	232,700	---	160,500	120,300	---
MAX	105,800	90,720	112,100	135,800	161,700	215,500	221,800	232,700	234,200	204,800	158,600	118,900
MIN	80,550	78,140	91,430	113,100	136,700	163,000	215,800	221,300	206,300	160,500	120,300	93,790
#	4,130.99	4,133.39	4,137.93	4,142.39	4,146.76	4,154.13	4,154.89	4,156.14	4,152.99	4,146.58	4,139.52	4,134.08
##	-26,250	+10,170	+21,380	+23,700	+25,900	+53,800	+6,300	+10,900	-26,400	-45,800	-40,200	-26,510

CAL YR 2003 MAX 24,5600 MIN 78,140 ## -2,700
WTR YR 2004 MAX 23,4200 MIN 78,140 ## -13,010

Elevation, in feet above NGVD 1929, at end of month, present datum.
Change in contents, in acre-feet.

10312150 CARSON RIVER BELOW LAHONTAN RESERVOIR NEAR FALLON, NV

LOCATION.--Lat 39°27'50.17", long 119°02'46.53" referenced to North American Datum of 1983, in NE ¼ SE ¼ sec. 34, T.19 N., R.26 E., Churchill County, Hydrologic Unit 16050203, on right bank, 1.1 mi downstream from Lahontan Dam, 15 mi west of Fallon, and at mi 1.16 downstream from Lahontan Reservoir.

DRAINAGE AREA.--1801 mi^2, excludes inflow from Truckee Canal.

PERIOD OF RECORD.--October 1966 to current year.

REVISED RECORDS.--WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,040 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lahontan Reservoir (station 10312100), capacity 295,500 acre-ft, and other upstream regulations. One diversion, approximately 2,500 acre-ft per year, between gage and Lahontan Reservoir. See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,160 ft^3/s, June 23, 1983, gage height, 8.34 ft; minimum daily, 0.24 ft^3/s, October 18, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,040 ft^3/s, June 22, gage height, 5.27 ft; minimum daily discharge, 0.29 ft^3/s, March 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	453	451	2.6	2.9	1.8	2.6	460	670	384	837	928	681
2	447	420	2.5	2.6	2.2	2.6	505	669	531	756	924	719
3	447	401	2.5	2.6	2.2	3.3	506	708	726	711	942	734
4	477	377	2.5	2.6	2.0	2.9	503	797	747	720	947	722
5	492	348	2.6	2.5	2.2	3.9	540	880	729	682	942	640
6	497	358	3.3	2.3	2.5	3.9	656	906	732	648	908	526
7	496	356	3.7	2.5	2.5	3.7	772	899	731	807	890	505
8	470	457	3.9	2.5	2.1	3.7	849	909	765	867	785	555
9	453	495	4.1	2.5	2.0	5.1	872	907	711	864	744	583
10	453	440	3.8	2.3	2.0	4.1	805	832	529	835	722	602
11	452	342	3.8	2.2	2.2	3.7	736	713	469	722	712	608
12	421	167	3.8	2.1	3.1	3.9	723	568	437	682	698	606
13	381	10	3.8	2.2	3.0	3.8	779	523	386	682	623	605
14	380	2.3	3.8	2.1	2.6	4.1	812	520	364	742	553	637
15	381	3.5	3.1	1.9	2.3	4.4	810	542	405	785	481	651
16	381	3.2	3.2	2.0	1.5	3.1	784	489	615	808	392	649
17	407	2.9	3.1	1.9	2.0	2.4	676	435	731	868	371	644
18	425	2.7	3.1	1.5	2.0	3.6	541	449	829	877	440	613
19	425	2.4	2.7	1.5	1.9	2.8	343	458	940	860	493	583
20	425	2.0	2.9	1.4	1.8	1.2	239	495	976	862	512	575
21	443	1.7	2.7	1.4	2.1	1.2	227	516	984	846	535	548
22	450	1.4	2.6	2.1	2.4	3.6	226	515	1,030	856	496	509
23	419	1.0	2.2	2.1	2.6	2.1	251	455	1,000	810	466	492
24	327	1.6	2.3	2.1	2.4	1.5	329	324	970	680	590	490
25	278	2.2	2.4	2.2	2.2	0.89	366	399	969	569	660	519
26	341	1.9	2.2	1.9	1.6	0.72	365	523	970	515	671	525
27	361	2.7	2.6	1.6	1.2	0.37	467	565	933	585	680	489
28	360	2.6	2.5	1.5	1.5	0.29	518	546	897	668	721	422
29	353	2.2	2.4	1.8	1.7	189	601	463	855	744	711	395
30	396	3.0	2.5	1.9	---	550	622	396	835	852	626	378
31	437	---	2.6	1.9	---	504	---	386	---	922	637	---
TOTAL	12,928	4,661.3	91.8	64.6	61.6	1,322.47	16,883	18,457	22,180	23,662	20,800	17,205
MEAN	417	155	2.96	2.08	2.12	42.7	563	595	739	763	671	574
MAX	497	495	4.1	2.9	3.1	550	872	909	1,030	922	947	734
MIN	278	1.0	2.2	1.4	1.2	0.29	226	324	364	515	371	378
AC-FT	25,640	9,250	182	128	122	2,620	33,490	36,610	43,990	46,930	41,260	34,130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2004, BY WATER YEAR (WY)

MEAN	324	125	47.3	127	162	254	640	931	1,016	932	817	599
MAX	802	639	861	1,756	1,578	1,392	1,453	1,619	2,147	1,745	1,285	1,112
(WY)	(1984)	(1983)	(1984)	(1997)	(1997)	(1986)	(1986)	(1996)	(1983)	(1983)	(1983)	(1983)
MIN	0.47	0.50	0.49	0.61	0.91	1.29	195	426	514	352	0.74	0.63
(WY)	(1993)	(1993)	(1993)	(1993)	(1993)	(1992)	(1991)	(1977)	(1992)	(1992)	(1992)	(1992)

10312150 CARSON RIVER BELOW LAHONTAN RESERVOIR NEAR FALLON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1967 - 2004	
ANNUAL TOTAL	135,383.0		138,316.77			
ANNUAL MEAN	371		378		499	
HIGHEST ANNUAL MEAN					1,066	1983
LOWEST ANNUAL MEAN					181	1992
HIGHEST DAILY MEAN	1,030	Jul 12	1,030	Jun 22	3,160	Jun 23, 1983
LOWEST DAILY MEAN	1.0	Nov 23	0.29	Mar 28	0.24	Oct 18, 1994
ANNUAL SEVEN-DAY MINIMUM	1.7	Nov 20	1.4	Mar 22	0.28	Oct 18, 1994
MAXIMUM PEAK FLOW			1,040	Jun 22	3,160	Jun 23, 1983
MAXIMUM PEAK STAGE			5.27	Jun 22	8.34	Jun 23, 1983
ANNUAL RUNOFF (AC-FT)	268,500		274,400		361,700	
10 PERCENT EXCEEDS	783		836		1,040	
50 PERCENT EXCEEDS	425		425		480	
90 PERCENT EXCEEDS	3.1		2.0		2.2	

10312210 STILLWATER POINT RESERVOIR DIVERSION CANAL NEAR FALLON, NV

LOCATION.--Lat 39°28'23.89", long 118°35'55.06" referenced to North American Datum of 1983, in NE ¼ NE ¼ sec. 34, T.19 N., R.30 E., Churchill County, Hydrologic Unit 16050203, on left bank, 0.2 mi downstream from a diversion structure for Stillwater Slough, and 9.8 mi east of Fallon.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1967 to September 1981 (monthly discharge only), October 1990 to September 1992, January 1993 to current year. Prior to October 1992, published as Stillwater Diversion Canal near Fallon.

GAGE.--Water-stage recorder. Elevation of gage is 3,915 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to September 1981, gage at same site and datum on right bank.

REMARKS.--Records good except for estimated daily discharges, which are poor. See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 256 ft^3/s, January 29, 1997; no flow several days many years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 100 ft^3/s, October 20, gage height, 3.68 ft; minimum daily discharge, 0.79 ft^3/s, March 24.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	87	4.3	e3.1	3.3	1.9	3.5	35	35	39	46	47
2	42	87	4.4	e3.1	3.5	5.7	3.4	34	39	39	47	47
3	42	83	4.5	e3.2	3.2	7.6	e6.2	33	38	37	48	49
4	45	84	4.1	3.3	3.3	4.0	e7.0	37	38	36	43	57
5	43	89	3.9	3.3	3.2	2.9	e4.6	36	39	35	40	58
6	41	66	3.5	3.2	3.1	2.1	e3.0	38	39	38	43	56
7	41	55	3.5	3.7	2.7	2.1	e3.2	39	43	39	42	62
8	41	54	3.1	3.8	2.3	2.0	3.6	38	40	37	40	65
9	40	68	2.8	3.8	2.4	1.8	3.4	41	39	35	40	60
10	40	76	3.0	3.6	2.5	1.8	3.8	54	38	36	38	58
11	39	65	3.1	3.6	2.5	1.8	6.6	54	43	36	37	57
12	39	42	3.1	3.5	2.5	1.8	8.0	45	47	36	39	54
13	39	13	3.0	3.5	2.5	1.7	6.4	41	43	43	40	61
14	37	15	2.9	3.5	2.7	1.7	6.6	43	40	53	44	62
15	38	9.8	2.7	3.5	2.8	1.5	4.8	44	40	52	44	59
16	39	7.9	2.5	3.5	2.2	1.5	7.1	49	40	51	47	60
17	38	7.0	2.3	3.6	2.1	1.4	6.4	43	36	50	45	63
18	63	6.2	2.8	3.7	1.9	1.4	6.0	37	34	47	44	64
19	85	6.2	2.8	3.6	1.6	1.1	6.3	42	40	47	46	65
20	93	5.9	3.2	3.6	1.6	1.1	11	37	44	50	43	63
21	88	5.5	3.2	3.3	1.8	3.4	6.8	39	48	51	44	60
22	82	5.0	2.8	3.3	1.9	1.3	5.2	39	46	53	45	57
23	79	4.4	2.9	3.3	1.8	0.85	4.9	38	47	53	45	64
24	74	4.3	3.1	3.7	1.8	0.79	3.9	40	49	53	46	65
25	70	4.7	3.2	3.6	1.6	1.0	4.4	37	44	50	46	56
26	75	4.9	3.3	3.4	1.8	1.5	5.7	33	37	45	45	59
27	86	4.7	2.6	3.8	2.1	2.1	4.6	33	37	46	46	62
28	87	4.7	2.3	3.7	2.2	2.3	9.8	34	35	47	47	57
29	72	4.6	2.8	3.8	2.0	2.4	33	37	33	44	46	55
30	84	4.4	3.2	3.5	---	2.1	35	41	32	45	46	53
31	85	---	3.1	3.4	---	2.3	---	37	---	44	45	---
TOTAL	1,808	974.2	98.0	108.5	68.9	66.94	224.2	1,228	1,203	1,367	1,357	1,755
MEAN	58.3	32.5	3.16	3.50	2.38	2.16	7.47	39.6	40.1	44.1	43.8	58.5
MAX	93	89	4.5	3.8	3.5	7.6	35	54	49	53	48	65
MIN	37	4.3	2.3	3.1	1.6	0.79	3.0	33	32	35	37	47
AC-FT	3,590	1,930	194	215	137	133	445	2,440	2,390	2,710	2,690	3,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	35.6	14.9	4.36	17.2	17.0	26.0	11.8	46.5	45.0	30.7	30.2	34.5
MAX	94.1	32.5	7.69	197	193	139	31.7	118	120	58.4	45.3	65.2
(WY)	(2002)	(2004)	(1991)	(1997)	(1997)	(1996)	(1996)	(1995)	(1995)	(1995)	(2003)	(2002)
MIN	1.91	1.56	0.94	0.76	1.26	0.42	1.19	5.71	5.12	6.94	1.78	0.00
(WY)	(1995)	(1995)	(1995)	(1993)	(1993)	(2003)	(1993)	(1992)	(1991)	(1991)	(1992)	(1992)

10312210 STILLWATER POINT RESERVOIR DIVERSION CANAL NEAR FALLON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1991 - 2004	
ANNUAL TOTAL	9,207.92		10,258.74			
ANNUAL MEAN	25.2		28.0		26.9	
HIGHEST ANNUAL MEAN					68.4	1997
LOWEST ANNUAL MEAN					4.97	1992
HIGHEST DAILY MEAN	93	Oct 20	93	Oct 20	256	Jan 29, 1997
LOWEST DAILY MEAN	0.00	Mar 10	0.79	Mar 24	0.00	Sep 1, 1992
ANNUAL SEVEN-DAY MINIMUM	0.03	Mar 9	1.4	Mar 19	0.00	Sep 1, 1992
ANNUAL RUNOFF (AC-FT)	18,260		20,350		19,510	
10 PERCENT EXCEEDS	58		60		62	
50 PERCENT EXCEEDS	14		36		11	
90 PERCENT EXCEEDS	1.3		2.2		1.6	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1977 to September 1981, September 1990 to August 1992, January 1993 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: September 1990 to August 1992, January 1993 to current year.
WATER TEMPERATURE: October 1990 to August 1992, January 1993 to current year.

INSTRUMENTATION.--Water-quality monitor September 1990 to August 1992 and January to June 1993, hourly; July 1993 to January 1994, four times per hour; February to September 1994, hourly, October 1994 to current year, four times per hour.

REMARKS.--Instantaneous specific-conductance and water-temperature measurements during a site visit can be slightly outside the range of values recorded during the same day by the water-quality monitor. This presumably is due to fluctuations in conductance and temperature during the interval between periodic monitor recordings. In March 1994, station was incorporated into the Stillwater Environmental Monitoring Program to gage environmental changes that may occur as a result of change in management of irrigation water of the Newlands Irrigation Project. Records represent water temperature at probe within 0.5°C. Interruptions in record due to instrument malfunction.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 9,620 microsiemens, cm at 25°C, April 8, 1995; minimum recorded, 202 microsiemens, cm at 25°C, May 31, 1996.
WATER TEMPERATURE: Maximum recorded, 31.5°C, August 12, 1992; minimum recorded, freezing point, many days during winter months.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 5,600 microsiemens/cm at 25°C, March 31; minimum, 329 microsiemens/cm at 25°C, November 2.
WATER TEMPERATURE: Maximum, 29.5°C, July 22-26, 28; minimum, 0.0°C, November 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	525	501	511	472	373	396	2,010	1,890	1,960	3,120	951	2,510
2	545	515	531	472	329	388	2,020	1,960	1,980	951	840	869
3	559	518	539	428	376	395	2,030	1,960	1,990	2,000	912	1,500
4	550	526	538	428	344	379	2,010	1,970	1,990	2,310	2,000	2,190
5	550	524	534	460	346	374	2,070	2,000	2,030	2,410	2,310	2,370
6	530	505	516	526	421	462	2,190	2,050	2,110	2,410	2,360	2,390
7	532	492	510	548	366	447	2,210	2,070	2,150	2,420	2,360	2,400
8	524	474	492	546	358	423	2,350	2,170	2,250	2,460	2,420	2,440
9	498	472	486	548	368	435	2,300	2,220	2,270	2,480	2,360	2,440
10	514	487	496	473	404	438	2,260	2,130	2,210	2,400	2,360	2,380
11	530	513	521	463	419	451	2,170	2,120	2,140	2,410	2,360	2,390
12	533	520	528	704	428	544	2,450	2,150	2,260	2,390	2,350	2,380
13	532	524	528	1,130	704	1,000	2,460	2,390	2,420	2,410	2,360	2,380
14	538	524	532	962	860	903	2,500	2,380	2,440	2,440	2,390	2,410
15	537	523	530	925	781	836	2,630	2,500	2,560	2,450	2,410	2,430
16	541	523	531	1,240	925	1,100	2,620	2,520	2,580	2,450	2,410	2,440
17	534	518	526	1,400	1,240	1,340	2,560	2,460	2,520	2,490	2,430	2,450
18	554	496	526	2,140	1,400	1,750	2,470	2,340	2,400	2,540	2,490	2,510
19	518	496	505	1,620	1,300	1,480	2,580	2,430	2,510	2,550	2,500	2,530
20	519	495	503	1,620	1,520	1,560	2,680	2,570	2,630	2,550	2,510	2,530
21	498	463	477	1,680	1,620	1,650	2,760	2,630	2,710	2,550	2,480	2,520
22	466	442	451	1,720	1,570	1,660	2,660	2,540	2,620	2,600	2,530	2,570
23	463	431	445	1,810	1,720	1,740	2,580	2,520	2,560	2,620	2,540	2,590
24	471	400	424	1,870	1,780	1,810	2,570	2,420	2,500	2,640	2,600	2,610
25	426	413	418	1,870	1,710	1,790	2,810	2,440	2,540	2,640	2,570	2,610
26	448	420	431	1,890	1,820	1,850	2,830	2,470	2,570	2,670	2,600	2,630
27	439	401	414	1,900	1,820	1,860	2,710	2,530	2,650	2,630	2,580	2,600
28	414	406	410	1,920	1,860	1,890	2,780	2,680	2,740	2,600	2,560	2,580
29	439	396	419	1,950	1,880	1,910	2,770	2,710	2,750	2,630	2,550	2,590
30	468	337	399	1,970	1,920	1,950	2,990	2,720	2,870	2,560	2,480	2,510
31	476	339	405	---	---	---	2,990	2,670	2,870	2,520	2,470	2,500
MONTH	559	337	486	2,140	329	1,110	2,990	1,890	2,410	3,120	840	2,400

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2,580	2,500	2,530	3,750	3,420	3,600	5,410	4,920	5,140	734	582	643
2	2,620	2,570	2,610	4,310	3,750	4,030	4,960	4,800	4,860	750	695	720
3	2,690	2,620	2,670	3,790	3,590	3,690	5,200	4,860	5,060	699	663	684
4	2,690	2,550	2,620	3,690	3,430	3,590	5,220	5,030	5,150	714	628	690
5	2,780	2,560	2,620	4,020	3,480	3,730	5,060	4,360	4,580	628	518	560
6	3,030	2,780	2,960	3,920	3,480	3,780	4,380	4,310	4,350	551	508	522
7	3,120	2,980	3,060	3,960	3,680	3,850	4,320	3,250	3,670	647	551	596
8	3,150	3,050	3,110	4,000	3,690	3,840	3,260	2,850	3,070	646	590	613
9	3,110	2,980	3,050	4,100	3,840	3,940	2,850	2,740	2,780	596	561	584
10	3,360	2,950	3,110	4,140	4,030	4,100	2,840	2,640	2,740	643	559	607
11	3,070	2,970	3,020	4,260	4,100	4,210	2,680	2,410	2,590	625	515	561
12	---	---	---	4,280	4,130	4,230	2,410	2,000	2,200	518	473	505
13	---	---	---	4,430	4,200	4,350	2,000	1,600	1,850	489	470	477
14	---	---	---	4,490	4,350	4,440	1,600	1,450	1,490	529	472	502
15	---	---	---	4,540	4,370	4,460	1,500	1,430	1,470	524	488	510
16	---	---	---	4,600	4,490	4,550	1,580	1,400	1,490	551	496	527
17	---	---	---	4,670	4,360	4,540	1,550	1,330	1,450	499	463	478
18	---	---	---	4,360	4,180	4,240	1,550	1,320	1,450	495	473	486
19	---	---	---	4,320	4,170	4,260	1,620	1,250	1,390	545	473	499
20	---	---	---	4,400	4,220	4,350	1,630	1,380	1,530	562	505	542
21	---	---	---	4,630	4,300	4,400	1,830	1,300	1,630	523	501	511
22	---	---	---	5,140	4,630	4,960	1,580	1,300	1,480	527	507	517
23	---	---	---	5,130	5,010	5,060	1,450	1,180	1,250	569	522	548
24	---	---	---	5,050	4,820	4,970	1,590	1,240	1,430	576	527	556
25	---	---	---	5,230	5,000	5,070	2,020	1,590	1,850	527	494	506
26	3,930	3,660	3,840	5,410	5,170	5,310	1,920	1,460	1,660	513	490	501
27	3,850	3,670	3,780	5,450	5,230	5,350	1,570	1,470	1,520	507	488	496
28	3,930	3,770	3,860	5,330	5,000	5,220	2,540	833	1,580	515	506	511
29	3,780	3,460	3,680	5,000	4,760	4,890	833	559	600	542	505	518
30	---	---	---	5,500	4,980	5,260	605	568	584	580	540	566
31	---	---	---	5,600	5,370	5,510	---	---	---	549	504	520
MONTH	3,930	2,500	3,100	5,600	3,420	4,440	5,410	559	2,400	750	463	550
		JUNE			JULY			AUGUST			SEPTEMBER	
1	506	488	496	630	556	600	503	490	497	621	596	610
2	506	481	492	556	471	510	498	486	492	616	597	608
3	541	489	512	545	493	517	493	479	488	600	580	591
4	545	526	537	589	507	562	511	476	490	597	581	590
5	560	508	537	567	548	557	502	489	495	598	564	583
6	517	478	496	609	550	581	498	485	491	594	564	579
7	595	499	544	599	489	535	492	478	483	595	584	589
8	530	460	499	584	493	547	499	476	487	592	581	587
9	537	446	474	616	561	580	519	497	508	587	567	576
10	534	469	499	641	586	620	552	507	527	584	562	572
11	599	488	544	588	548	571	571	550	563	586	575	580
12	600	481	551	606	536	560	565	530	546	582	566	573
13	483	468	472	674	485	589	552	514	540	600	575	590
14	506	468	491	502	483	493	592	483	539	583	542	564
15	499	484	494	526	495	516	588	486	559	556	535	545
16	536	481	508	543	482	508	626	533	592	558	543	549
17	532	464	495	533	471	496	574	515	542	558	536	549
18	464	426	439	511	470	495	616	572	594	539	513	523
19	586	426	496	540	479	521	625	555	598	535	525	529
20	593	521	572	521	495	508	611	531	566	534	510	517
21	605	519	560	549	465	502	618	596	610	515	495	506
22	541	510	520	547	515	532	598	579	588	509	494	502
23	543	459	495	548	494	518	617	581	599	551	478	515
24	506	472	494	561	498	536	614	599	606	583	536	555
25	513	470	487	557	534	545	603	565	588	543	518	525
26	525	491	509	561	546	553	608	561	586	567	521	538
27	526	486	510	575	548	561	610	598	604	578	516	557
28	488	476	481	569	535	546	614	594	606	595	502	540
29	516	479	502	538	510	529	622	588	604	547	515	534
30	562	505	538	529	497	511	598	581	588	552	528	543
31	---	---	---	528	498	516	600	581	591	---	---	---
MONTH	605	426	508	674	465	539	626	476	554	621	478	557
YEAR	5,600	329	1,520									

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.0	19.0	20.5	10.0	8.0	9.0	5.5	2.0	3.5	4.0	1.5	2.0
2	21.5	18.5	20.0	9.0	7.0	8.0	6.0	2.5	4.0	2.5	0.5	1.5
3	20.5	17.0	19.0	9.0	7.0	8.0	6.5	3.0	4.5	3.0	0.5	2.0
4	21.0	17.5	19.0	9.0	7.0	8.0	4.5	2.5	3.5	3.0	0.5	1.5
5	20.5	18.0	19.0	9.5	7.5	8.5	6.0	3.5	4.5	3.0	0.5	1.5
6	21.0	17.5	19.0	8.5	6.5	7.5	7.5	4.5	5.5	2.5	0.5	1.5
7	21.0	17.5	19.0	8.0	6.5	7.0	7.5	5.0	6.0	4.0	1.0	2.0
8	20.5	17.0	19.0	7.5	6.0	6.5	6.5	3.0	5.0	4.0	0.5	2.0
9	20.0	16.5	18.5	8.5	7.0	7.5	4.0	2.0	3.0	3.5	1.0	2.0
10	17.0	13.5	15.0	8.5	7.0	8.0	4.5	2.0	3.0	4.5	0.5	2.0
11	15.5	11.5	13.5	8.5	6.5	7.5	4.5	2.5	3.0	4.5	0.5	2.5
12	16.5	12.0	14.0	8.0	6.0	7.0	4.0	1.5	2.5	4.5	0.5	2.5
13	15.5	12.0	13.5	9.0	6.5	7.5	5.5	2.5	4.0	5.0	1.0	2.5
14	16.0	11.0	13.5	8.0	5.5	6.5	4.5	2.0	3.0	5.0	1.0	2.5
15	15.0	11.5	13.5	7.0	5.0	6.0	4.0	1.0	2.5	5.0	1.0	2.5
16	16.0	11.5	13.5	7.5	3.5	5.5	4.0	1.0	2.5	5.0	1.0	2.5
17	16.5	12.0	14.0	9.5	5.5	7.0	3.5	1.0	2.5	5.0	1.0	2.5
18	16.0	13.0	14.5	9.0	5.0	7.0	4.0	1.0	2.0	5.0	1.0	2.5
19	16.5	14.0	15.0	9.5	5.5	7.5	3.0	1.0	2.0	5.0	1.0	3.0
20	17.0	14.0	15.5	9.5	5.5	7.5	3.5	1.0	2.5	5.5	1.5	3.0
21	17.0	14.0	15.5	7.0	4.0	6.0	4.5	1.5	3.0	5.0	1.0	2.5
22	17.0	14.0	15.5	5.5	2.0	3.5	3.5	1.0	2.0	4.5	1.0	2.5
23	16.0	14.5	15.0	4.0	0.5	2.0	3.0	1.0	2.0	4.5	0.5	2.5
24	14.5	12.5	13.5	3.5	0.5	1.5	4.0	1.5	2.5	5.5	1.5	3.0
25	13.5	11.5	12.5	3.5	0.0	1.5	3.5	2.0	2.5	4.5	1.0	2.5
26	13.5	11.0	12.5	4.0	0.5	2.0	3.0	1.0	2.0	3.5	1.0	2.0
27	14.5	11.5	13.0	3.5	0.5	1.5	3.0	0.5	1.5	3.0	1.5	2.0
28	15.5	12.0	13.5	3.5	1.0	2.5	2.5	0.5	1.5	5.0	1.0	2.5
29	15.0	12.5	14.0	4.0	2.5	3.0	3.0	1.0	2.0	6.5	1.0	3.5
30	13.0	10.0	11.0	4.0	2.5	3.5	4.5	1.5	2.5	5.5	2.0	3.5
31	10.0	8.0	9.0	---	---	---	3.5	1.5	2.0	6.0	1.5	3.5
MONTH	23.0	8.0	15.3	10.0	0.0	5.8	7.5	0.5	3.0	6.5	0.5	2.4
		FEBRUARY			MARCH			APRIL			MAY	
1	6.0	1.5	3.5	8.5	5.5	7.0	15.0	9.5	12.0	---	---	---
2	5.5	3.0	4.0	10.0	6.0	7.5	13.5	7.5	10.5	---	---	---
3	5.5	2.0	3.5	9.5	5.5	7.5	18.0	10.5	14.0	---	---	---
4	6.0	3.0	4.0	11.0	5.5	8.0	19.5	12.5	16.5	---	---	---
5	7.0	2.0	4.0	11.0	5.0	8.0	21.0	14.5	18.0	---	---	---
6	6.0	2.0	4.0	13.5	7.0	10.0	20.5	15.0	17.5	---	---	---
7	5.5	2.5	3.5	14.0	6.5	10.5	19.5	13.5	16.5	---	---	---
8	6.0	1.5	4.0	14.5	7.5	11.0	20.5	14.0	17.0	---	---	---
9	6.0	2.0	4.0	15.5	8.0	12.0	19.0	13.0	16.0	---	---	---
10	6.0	1.5	4.0	15.0	9.5	12.5	19.0	11.5	15.5	---	---	---
11	6.5	1.5	4.0	15.5	8.0	12.0	19.5	11.0	15.5	---	---	---
12	---	---	---	14.5	8.0	11.5	19.0	12.5	16.0	---	---	---
13	---	---	---	16.5	8.0	12.0	17.5	13.0	15.0	---	---	---
14	---	---	---	17.0	9.0	13.0	18.0	11.5	14.0	---	---	---
15	---	---	---	16.5	10.0	13.5	14.5	10.5	13.0	---	---	---
16	---	---	---	17.0	9.0	13.0	14.5	9.5	12.5	---	---	---
17	---	---	---	17.5	9.5	13.5	15.0	10.5	12.5	---	---	---
18	---	---	---	17.0	10.5	14.0	17.0	9.5	13.0	---	---	---
19	---	---	---	18.0	11.0	14.5	17.0	11.5	14.0	---	---	---
20	---	---	---	17.5	11.5	14.5	14.5	12.0	13.5	---	---	---
21	---	---	---	18.5	12.0	14.5	16.5	10.5	13.0	---	---	---
22	---	---	---	19.0	12.0	15.0	16.5	9.5	12.5	---	---	---
23	---	---	---	21.0	12.5	16.0	19.0	10.0	14.0	---	---	---
24	---	---	---	19.5	12.5	15.0	20.0	11.5	15.5	---	---	---
25	---	---	---	16.0	11.0	13.0	21.0	12.5	16.5	---	---	---
26	10.0	4.0	7.0	15.5	8.0	11.0	21.5	13.5	17.5	---	---	---
27	8.0	5.5	7.0	16.5	8.0	12.0	---	---	---	---	---	---
28	8.0	4.5	6.0	16.0	9.5	12.5	---	---	---	---	---	---
29	11.0	4.0	7.5	17.0	10.0	13.0	---	---	---	---	---	---
30	---	---	---	17.0	11.0	13.5	---	---	---	---	---	---
31	---	---	---	19.5	11.0	14.5	---	---	---	---	---	---
MONTH	11.0	1.5	4.7	21.0	5.0	12.1	21.5	7.5	14.7	---	---	---

10312210 STILLWATER POINT RESERVOIR DIVERSION CANAL NEAR FALLON, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	23.5	17.5	20.0	27.5	22.5	25.0	25.0	21.0	23.0
2	---	---	---	25.0	19.0	21.5	27.5	23.0	25.0	23.5	19.0	21.5
3	---	---	---	25.0	19.5	22.0	26.5	21.0	23.5	19.0	16.0	17.5
4	---	---	---	25.5	19.5	22.5	27.0	21.5	24.0	19.5	14.5	17.0
5	---	---	---	26.0	20.5	23.0	26.5	21.0	23.5	21.0	16.5	18.5
6	---	---	---	27.0	21.0	23.0	26.0	21.0	23.5	22.5	17.5	20.0
7	---	---	---	25.5	21.0	23.0	26.5	21.0	23.5	23.0	19.0	21.0
8	---	---	---	25.0	19.5	22.5	27.0	21.0	24.0	24.0	19.5	21.5
9	---	---	---	26.0	21.0	23.5	27.5	22.0	24.5	24.0	19.5	21.5
10	---	---	---	26.0	20.0	22.5	28.5	22.0	25.0	24.0	19.5	21.5
11	---	---	---	25.5	20.0	22.5	28.0	22.5	25.0	24.0	19.5	22.0
12	---	---	---	26.0	20.0	23.0	27.0	22.5	24.5	22.5	20.0	21.5
13	---	---	---	26.5	20.5	23.5	24.0	21.5	22.5	21.5	17.0	19.5
14	---	---	---	28.0	21.0	24.5	25.5	19.5	22.5	19.5	17.0	18.0
15	---	---	---	28.5	23.0	25.5	24.0	21.0	22.5	20.0	16.0	18.0
16	---	---	---	28.5	24.0	26.0	23.0	20.0	21.5	21.0	16.5	18.5
17	---	---	---	27.5	24.0	25.5	25.5	20.0	22.5	21.0	17.5	19.0
18	---	---	---	27.0	22.5	24.5	26.0	21.0	23.0	19.0	15.0	16.5
19	---	---	---	26.5	23.0	25.0	26.0	21.5	23.5	16.0	13.5	14.5
20	---	---	---	28.0	22.5	25.5	26.0	21.0	23.5	14.5	13.0	13.5
21	---	---	---	29.0	24.0	26.5	26.0	22.0	24.0	15.5	11.5	13.5
22	---	---	---	29.5	24.0	26.5	23.5	20.0	21.5	16.5	12.5	14.5
23	---	---	---	29.5	24.5	27.0	22.0	18.0	20.0	18.5	14.0	16.0
24	---	---	---	29.5	25.0	27.0	22.5	18.5	20.5	19.0	15.5	17.0
25	---	---	---	29.5	24.0	26.5	22.5	19.0	21.0	20.0	16.0	18.0
26	---	---	---	29.5	24.0	26.5	21.0	17.5	19.0	20.5	17.0	18.5
27	---	---	---	29.0	24.0	26.0	21.5	16.5	19.0	19.5	16.0	17.5
28	---	---	---	29.5	24.0	26.5	22.5	17.5	20.0	19.5	16.0	17.5
29	---	---	---	29.0	24.5	26.5	23.0	18.0	20.5	19.0	16.5	17.5
30	---	---	---	27.5	22.5	25.0	24.5	19.5	21.5	19.0	15.5	17.0
31	---	---	---	27.5	22.0	25.0	25.0	20.5	23.0	---	---	---
MONTH	---	---	---	29.5	17.5	24.5	28.5	16.5	22.7	25.0	11.5	18.4
YEAR	29.5	0.0	12.7									

1031221902 S-LINE DIVERSION CANAL NEAR STILLWATER, NV

LOCATION.--Lat 39°32'01", long 118°31'06" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 08, T.19 N., R.31 E., Churchill County, Hydrologic Unit 16050203, on left bank, off Hunter Road, 250 ft above confluence with West Canal, 1.5 mi north of U.S.F.W.S. Stillwater Headquarters, and 2 mi northeast of Stillwater.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1991 to September 1992, March 1993 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 3,880 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Annual mean listed below in summary statistics, represents average discharge for water year 1992. See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 51 ft^3/s, September 27, 2002, gage height, 4.89 ft; no flow at times, most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 43 ft^3/s, July 27, gage height, 4.72 ft; minimum daily discharge, 0.00 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	---	---	---	---	---	0.00	0.00	0.04	19	13	0.58
2	21	---	---	---	---	---	0.00	0.00	0.03	33	23	0.39
3	20	---	---	---	---	---	0.00	0.00	0.04	20	24	0.47
4	17	---	---	---	---	---	0.00	0.00	0.03	16	17	10
5	19	---	---	---	---	0.00	0.00	0.00	0.05	19	17	21
6	19	---	---	---	---	0.00	0.00	0.00	0.04	20	9.7	15
7	20	---	---	---	---	0.00	0.00	0.01	0.16	15	24	6.5
8	18	---	---	---	---	0.00	0.00	0.15	0.18	18	22	16
9	16	---	---	---	---	0.00	0.00	0.05	0.49	10	27	11
10	13	---	---	---	---	0.00	0.00	0.05	0.06	12	24	14
11	20	---	---	---	---	0.00	0.00	0.07	0.09	7.1	28	9.5
12	22	---	---	---	---	0.00	0.00	0.04	0.06	19	24	14
13	21	---	---	---	---	0.00	0.01	0.06	0.04	18	26	11
14	19	---	---	---	---	0.00	0.00	0.08	0.06	21	22	19
15	18	---	---	---	---	0.00	0.42	0.05	0.05	20	17	19
16	18	---	---	---	---	0.00	0.24	0.04	4.7	26	16	18
17	14	---	---	---	---	0.00	0.00	0.03	18	20	19	20
18	17	---	---	---	---	0.00	0.00	0.03	19	27	17	22
19	13	---	---	---	---	0.00	0.00	0.07	16	26	20	22
20	19	---	---	---	---	0.00	0.00	0.05	16	19	12	26
21	22	---	---	---	---	0.00	0.00	0.07	14	9.8	0.79	29
22	9.1	---	---	---	---	0.00	0.00	0.09	9.2	21	0.50	24
23	3.4	---	---	---	---	0.00	0.00	0.12	19	26	0.35	e16
24	1.0	---	---	---	---	0.00	0.00	0.10	16	26	0.57	e17
25	0.43	---	---	---	---	0.00	0.00	0.11	25	24	0.62	e18
26	0.52	---	---	---	---	0.00	0.00	0.10	14	24	0.78	e19
27	0.56	---	---	---	---	0.00	0.00	0.09	20	22	0.98	e20

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1991 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1991 to current year.
WATER TEMPERATURE: June 1991 to current year.

INSTRUMENTATION.--Water-quality monitor June 1991 to September 1992, hourly; March 1993 to current year (irrigation season only), hourly.

REMARKS.--Instantaneous specific-conductance and water-temperature measurements during a site visit can be slightly outside the range of values recorded during the same day by the water-quality monitor. This presumably is due to fluctuations in conductance and temperature during the interval between periodic monitor recordings. In April 1994, station was incorporated into the Stillwater Environmental Monitoring Program to gage environmental changes that may occur as a result of change in management of irrigation water of the Newlands Irrigation Project. Records represent water temperature at probe within 0.5°C. Interruptions in record due to intermittent streamflow (see Water-Discharge Record) and instrument malfunction. Reported values are for days with continuous flow.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 1010 microsiemens, cm at 25°C, March 31, 2004; minimum recorded, 171 microsiemens, cm at 25°C, May 13, 2000.
WATER TEMPERATURE: Maximum recorded, 32.5°C, July 2, 2001; minimum recorded, 3.0°C, March 1, 1996.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 684 microsiemens/cm at 25°C, on May 10; minimum, 299 microsiemens/cm at 25°C, August 11.
WATER TEMPERATURE: Maximum, 30.0°C, July 23; minimum, 8.0°C, October 31.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	405	385	396	---	---	---	---	---	---	---	---	---
2	403	374	388	---	---	---	---	---	---	---	---	---
3	395	365	378	---	---	---	---	---	---	---	---	---
4	432	394	413	---	---	---	---	---	---	---	---	---
5	414	395	404	---	---	---	---	---	---	---	---	---
6	413	386	399	---	---	---	---	---	---	---	---	---
7	406	387	398	---	---	---	---	---	---	---	---	---
8	410	380	394	---	---	---	---	---	---	---	---	---
9	406	386	394	---	---	---	---	---	---	---	---	---
10	389	372	380	---	---	---	---	---	---	---	---	---
11	380	363	372	---	---	---	---	---	---	---	---	---
12	378	365	371	---	---	---	---	---	---	---	---	---
13	372	361	366	---	---	---	---	---	---	---	---	---
14	363	355	359	---	---	---	---	---	---	---	---	---
15	364	355	359	---	---	---	---	---	---	---	---	---
16	365	355	360	---	---	---	---	---	---	---	---	---
17	369	350	358	---	---	---	---	---	---	---	---	---
18	386	368	379	---	---	---	---	---	---	---	---	---
19	400	380	391	---	---	---	---	---	---	---	---	---
20	417	398	405	---	---	---	---	---	---	---	---	---
21	418	404	410	---	---	---	---	---	---	---	---	---
22	413	402	408	---	---	---	---	---	---	---	---	---
23	416	403	409	---	---	---	---	---	---	---	---	---
24	425	407	416	---	---	---	---	---	---	---	---	---
25	420	395	404	---	---	---	---	---	---	---	---	---
26	401	382	389	---	---	---	---	---	---	---	---	---
27	388	373	381	---	---	---	---	---	---	---	---	---
28	404	380	389	---	---	---	---	---	---	---	---	---
29	405	388	394	---	---	---	---	---	---	---	---	---
30	398	302	364	---	---	---	---	---	---	---	---	---
31	449	398	418	---	---	---	---	---	---	---	---	---
MONTH	449	302	389	---	---	---	---	---	---	---	---	---

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	660	634	648
8	---	---	---	---	---	---	---	---	---	647	598	627
9	---	---	---	---	---	---	---	---	---	658	623	637
10	---	---	---	---	---	---	---	---	---	684	657	672
11	---	---	---	---	---	---	---	---	---	675	642	656
12	---	---	---	---	---	---	---	---	---	644	615	628
13	---	---	---	---	---	---	---	---	---	623	577	600
14	---	---	---	---	---	---	---	---	---	583	534	557
15	---	---	---	---	---	---	---	---	---	549	526	540
16	---	---	---	---	---	---	---	---	---	541	495	521
17	---	---	---	---	---	---	---	---	---	503	447	472
18	---	---	---	---	---	---	---	---	---	449	415	432
19	---	---	---	---	---	---	---	---	---	422	392	404
20	---	---	---	---	---	---	---	---	---	409	396	402
21	---	---	---	---	---	---	---	---	---	407	385	396
22	---	---	---	---	---	---	---	---	---	393	360	372
23	---	---	---	---	---	---	---	---	---	365	344	351
24	---	---	---	---	---	---	---	---	---	362	351	356
25	---	---	---	---	---	---	---	---	---	357	330	339
26	---	---	---	---	---	---	---	---	---	342	317	324
27	---	---	---	---	---	---	---	---	---	329	321	325
28	---	---	---	---	---	---	---	---	---	330	314	321
29	---	---	---	---	---	---	---	---	---	360	323	334
30	---	---	---	---	---	---	---	---	---	398	358	380
31	---	---	---	---	---	---	---	---	---	399	390	394
MONTH	---	---	---	---	---	---	---	---	---	684	314	468
	JUNE			JULY			AUGUST			SEPTEMBER		
1	399	375	385	---	---	---	---	---	---	444	427	438
2	401	387	393	---	---	---	---	---	---	445	431	438
3	403	357	386	---	---	---	---	---	---	441	432	437
4	409	387	402	---	---	---	---	---	---	441	401	423
5	410	395	402	---	---	---	---	---	---	404	390	398
6	399	378	385	---	---	---	---	---	---	401	386	395
7	406	378	395	---	---	---	---	---	---	407	393	399
8	396	349	378	---	---	---	---	---	---	408	396	402
9	350	325	340	---	---	---	---	---	---	404	388	398
10	334	323	327	---	---	---	---	---	---	393	372	380
11	335	303	315	---	---	---	369	299	342	387	375	381
12	342	331	336	---	---	---	362	353	358	389	374	380
13	343	318	330	---	---	---	362	348	356	393	377	385
14	---	---	---	---	---	---	363	344	351	414	370	384
15	---	---	---	---	---	---	361	345	350	400	388	392
16	---	---	---	---	---	---	367	347	353	392	372	380
17	---	---	---	---	---	---	373	351	360	379	365	373
18	---	---	---	---	---	---	381	355	363	373	362	365
19	---	---	---	---	---	---	377	359	367	375	361	367
20	---	---	---	---	---	---	395	367	379	375	358	367
21	---	---	---	---	---	---	400	380	391	362	349	355
22	---	---	---	---	---	---	408	389	398	380	355	369
23	---	---	---	---	---	---	420	401	409	377	357	364
24	---	---	---	---	---	---	428	412	418	---	---	---
25	---	---	---	---	---	---	435	418	425	---	---	---
26	---	---	---	---	---	---	440	427	432	---	---	---
27	---	---	---	---	---	---	435	425	430	---	---	---
28	---	---	---	---	---	---	430	414	422	---	---	---
29	---	---	---	---	---	---	429	409	419	---	---	---
30	---	---	---	---	---	---	438	423	430	---	---	---
31	---	---	---	---	---	---	442	430	435	---	---	---
MONTH	410	303	367	---	---	---	442	299	390	445	349	390
YEAR	684	299	404									

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.0	19.0	20.5	---	---	---	---	---	---	---	---	---
2	22.5	18.5	20.5	---	---	---	---	---	---	---	---	---
3	21.0	18.0	19.5	---	---	---	---	---	---	---	---	---
4	21.0	17.5	19.0	---	---	---	---	---	---	---	---	---
5	20.5	17.5	19.0	---	---	---	---	---	---	---	---	---
6	21.0	17.5	19.5	---	---	---	---	---	---	---	---	---
7	21.5	17.5	19.5	---	---	---	---	---	---	---	---	---
8	21.0	17.5	19.0	---	---	---	---	---	---	---	---	---
9	21.0	17.0	18.5	---	---	---	---	---	---	---	---	---
10	18.5	15.0	16.5	---	---	---	---	---	---	---	---	---
11	15.5	12.5	14.0	---	---	---	---	---	---	---	---	---
12	16.0	12.0	14.0	---	---	---	---	---	---	---	---	---
13	15.0	12.0	13.5	---	---	---	---	---	---	---	---	---
14	15.5	12.0	13.5	---	---	---	---	---	---	---	---	---
15	15.0	12.0	13.0	---	---	---	---	---	---	---	---	---
16	15.5	12.0	13.5	---	---	---	---	---	---	---	---	---
17	16.5	12.5	14.0	---	---	---	---	---	---	---	---	---
18	15.5	13.0	14.0	---	---	---	---	---	---	---	---	---
19	16.5	13.0	14.5	---	---	---	---	---	---	---	---	---
20	17.5	13.5	15.0	---	---	---	---	---	---	---	---	---
21	16.5	14.0	15.0	---	---	---	---	---	---	---	---	---
22	17.0	13.5	15.0	---	---	---	---	---	---	---	---	---
23	16.5	13.5	15.0	---	---	---	---	---	---	---	---	---
24	15.0	12.0	13.5	---	---	---	---	---	---	---	---	---
25	13.5	11.5	12.5	---	---	---	---	---	---	---	---	---
26	13.0	10.5	12.0	---	---	---	---	---	---	---	---	---
27	13.5	10.5	12.0	---	---	---	---	---	---	---	---	---
28	14.0	11.5	12.5	---	---	---	---	---	---	---	---	---
29	13.5	11.5	12.5	---	---	---	---	---	---	---	---	---
30	12.5	10.5	11.5	---	---	---	---	---	---	---	---	---
31	11.0	8.0	9.5	---	---	---	---	---	---	---	---	---
MONTH	23.0	8.0	15.2	---	---	---	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	22.5	17.0	19.0
8	---	---	---	---	---	---	---	---	---	20.5	16.0	18.0
9	---	---	---	---	---	---	---	---	---	21.0	16.5	19.0
10	---	---	---	---	---	---	---	---	---	19.5	15.0	17.5
11	---	---	---	---	---	---	---	---	---	16.0	13.5	14.5
12	---	---	---	---	---	---	---	---	---	15.5	12.0	13.5
13	---	---	---	---	---	---	18.0	13.5	15.5	17.0	13.0	15.0
14	---	---	---	---	---	---	---	---	---	19.0	15.0	16.5
15	---	---	---	---	---	---	14.5	11.0	12.5	20.0	17.0	18.0
16	---	---	---	---	---	---	15.5	10.0	12.5	20.0	16.5	18.5
17	---	---	---	---	---	---	---	---	---	21.0	17.0	18.5
18	---	---	---	---	---	---	---	---	---	20.5	17.0	18.5
19	---	---	---	---	---	---	---	---	---	21.0	16.5	18.5
20	---	---	---	---	---	---	---	---	---	21.0	17.0	18.5
21	---	---	---	---	---	---	---	---	---	21.0	17.0	18.5
22	---	---	---	---	---	---	---	---	---	21.0	17.0	18.5
23	---	---	---	---	---	---	---	---	---	20.0	16.5	17.5
24	---	---	---	---	---	---	---	---	---	20.0	16.0	17.5
25	---	---	---	---	---	---	---	---	---	20.0	15.5	17.5
26	---	---	---	---	---	---	---	---	---	20.5	16.5	18.0
27	---	---	---	---	---	---	---	---	---	21.0	18.5	19.5
28	---	---	---	---	---	---	---	---	---	20.0	17.5	18.5
29	---	---	---	---	---	---	---	---	---	21.5	16.5	18.5
30	---	---	---	---	---	---	---	---	---	20.0	15.5	17.5
31	---	---	---	---	---	---	---	---	---	22.0	18.0	19.5
MONTH	---	---	---	---	---	---	18.0	10.0	13.5	22.5	12.0	17.8

1031221902 S-LINE DIVERSION CANAL NEAR STILLWATER, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.0	18.0	20.0	27.0	20.5	23.5	27.5	23.0	25.5	25.0	20.5	22.5
2	24.0	19.5	21.5	26.5	22.0	24.0	27.5	23.5	26.0	23.0	19.5	21.5
3	24.5	20.5	22.0	27.5	23.0	25.0	26.5	22.5	24.5	19.5	17.0	18.5
4	25.0	19.5	22.0	28.0	22.0	25.0	27.0	22.0	24.5	21.0	16.0	18.0
5	26.0	21.5	23.0	28.5	23.0	26.0	27.0	22.0	24.5	21.5	17.0	19.0
6	25.5	21.0	22.5	29.0	24.0	26.0	26.5	22.0	24.0	23.0	17.5	20.0
7	24.5	20.0	22.0	28.0	23.5	25.5	25.5	22.0	24.0	23.5	18.5	21.0
8	22.5	18.0	20.0	27.5	23.5	25.5	26.0	22.5	24.0	24.0	20.0	22.0
9	19.0	17.0	17.5	28.5	23.5	26.0	26.5	22.5	24.5	24.5	20.5	22.5
10	19.5	16.0	17.0	27.5	22.0	24.5	27.5	24.0	25.5	25.0	20.0	22.5
11	21.5	16.0	18.5	28.0	21.5	24.5	28.5	24.5	26.5	24.5	19.5	22.0
12	22.5	17.5	19.5	28.5	23.0	25.5	28.5	24.5	26.5	23.5	20.0	22.0
13	23.5	18.5	20.5	29.0	23.5	26.0	26.0	24.0	25.0	23.5	18.5	21.0
14	24.5	21.0	22.5	28.0	24.0	26.0	27.5	22.5	25.0	21.5	17.5	19.5
15	23.5	20.5	22.0	28.5	23.5	26.0	25.5	22.5	24.0	21.5	16.5	18.5
16	23.5	19.0	21.0	28.5	24.0	26.5	25.5	21.5	23.0	21.5	17.0	19.0
17	24.0	20.0	22.0	29.0	25.0	26.5	27.0	22.0	24.0	21.5	18.0	19.5
18	25.5	19.5	22.0	27.5	23.5	25.5	27.5	22.0	24.5	19.5	17.0	18.5
19	27.5	21.0	23.5	27.5	23.0	25.0	27.5	22.5	24.5	18.0	15.5	16.5
20	27.5	21.5	24.5	28.5	24.0	26.0	27.5	22.5	24.5	16.0	14.5	15.0
21	26.0	21.0	23.5	29.5	23.5	26.5	28.0	22.0	24.5	15.5	13.0	14.0
22	27.0	21.0	23.5	29.5	24.5	27.0	24.5	21.5	23.0	16.5	13.5	14.5
23	27.5	22.5	24.5	30.0	25.5	27.5	24.5	19.5	22.0	15.5	14.0	14.5
24	27.0	21.5	24.0	29.5	25.0	27.5	25.0	20.0	22.0	---	---	---
25	27.0	21.5	24.5	29.5	25.0	27.0	24.0	20.5	22.0	---	---	---
26	28.0	22.0	24.5	29.5	24.5	27.0	22.5	19.0	20.5	---	---	---
27	27.5	22.0	24.5	28.5	24.5	27.0	21.0	18.0	20.0	---	---	---
28	26.5	22.0	24.0	28.5	25.0	27.0	21.0	19.0	20.0	---	---	---
29	25.5	22.0	23.5	28.5	25.0	27.0	22.0	19.0	20.5	---	---	---
30	25.0	20.5	23.0	27.0	24.0	25.5	22.5	19.5	21.5	---	---	---
31	---	---	---	27.5	23.0	25.0	23.5	20.0	22.0	---	---	---
MONTH	28.0	16.0	22.1	30.0	20.5	25.9	28.5	18.0	23.6	25.0	13.0	19.2
YEAR	30.0	8.0	20.7									

CARSON RIVER BASIN, CARSON DESERT

10312275 CARSON RIVER AT TARZYN ROAD NEAR FALLON, NV

LOCATION.--Lat 39°33'32", long 118°43'30" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 33, T.19 N., R.29 E., Churchill County, Hydrologic Unit 16050203, on right bank, 7 mi north-northeast of Fallon.

DRAINAGE AREA.-- Not determined.

PERIOD OF RECORD.--October 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,900 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 1, 1996, at same site at datum 3.0 ft lower.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow affected by irrigation development above station (Newlands Project) and by storage in Lahontan Reservoir (station 10312100). See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 942 ft^3/s, May 27, 1996, gage height, 6.11 ft, (datum then in use); maximum gage height, 8.73 ft, January 22, 1997; no flow at times, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 82 ft^3/s, August 14, gage height, 5.24 ft; minimum daily discharge, 2.4 ft^3/s, February 20.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.0	e4.0	11	8.1	3.1	2.8	7.2	10	7.5	17	12	14
2	e8.0	e4.5	11	7.5	3.1	3.2	7.1	21	6.3	13	13	14
3	e9.5	e4.5	11	7.3	3.1	3.1	8.3	14	7.6	11	25	14
4	e11	4.7	10	7.7	3.0	3.0	7.3	12	7.1	16	16	9.7
5	e9.0	4.7	10	6.8	3.0	2.8	6.2	13	6.2	11	13	7.9
6	e7.5	4.3	9.8	4.6	2.8	2.8	11	13	6.2	14	36	14
7	e8.0	28	9.1	5.0	2.8	2.8	17	5.6	7.8	8.9	16	21
8	e10	18	9.0	4.6	2.7	2.8	16	4.9	14	7.1	15	12
9	e9.0	10	8.9	4.4	2.6	2.9	9.6	7.1	23	11	15	6.9
10	e10	14	9.1	4.3	2.6	4.2	21	6.4	23	9.2	11	5.7
11	e9.7	18	9.2	4.2	2.6	5.9	14	5.8	16	11	8.2	5.1
12	e8.8	14	9.0	4.0	2.5	5.3	15	7.0	7.3	31	8.9	7.7
13	e8.4	9.9	8.9	3.9	2.6	4.8	12	11	7.4	13	14	10
14	e12	5.9	11	3.9	2.5	4.7	14	4.2	10	16	66	9.5
15	e9.0	5.7	12	3.8	2.6	4.5	9.7	5.7	17	10	49	8.7
16	e6.0	6.4	11	3.8	2.5	4.5	15	10	12	11	27	8.5
17	e5.5	9.7	11	3.8	2.6	4.6	17	7.6	9.5	11	15	10
18	e5.8	11	12	3.7	2.5	6.2	11	5.2	9.8	11	13	5.8
19	e6.0	9.5	12	3.6	2.5	7.7	9.8	4.8	7.7	7.5	12	7.7
20	e5.5	14	13	3.6	2.4	7.5	11	5.4	8.0	12	5.6	6.4
21	e5.0	19	12	3.5	2.5	7.2	5.9	7.2	6.6	14	7.7	10
22	e5.0	13	12	3.5	2.6	6.4	8.3	7.5	7.7	25	9.1	12
23	e5.5	13	11	3.5	2.5	6.4	6.9	4.0	8.6	36	11	7.2
24	e6.5	13	12	3.6	2.5	6.4	11	4.1	9.4	16	8.4	8.0
25	e5.0	13	12	3.4	2.7	6.4	12	5.4	35	20	9.6	5.8
26	e4.0	13	12	3.5	2.9	6.4	14	13	32	7.3	8.4	7.2
27	e4.0	12	11	3.4	2.8	6.4	7.5	19	33	5.9	12	15
28	e5.5	12	10	3.3	2.7	6.4	4.0	17	38	7.4	23	7.2
29	e7.0	12	12	3.3	2.7	6.5	14	12	15	9.1	17	9.9
30	e5.0	11	8.9	3.3	---	6.5	8.6	7.3	14	8.2	18	10
31	e4.0	---	8.2	3.2	---	6.5	---	11	---	9.9	12	---
TOTAL	222.2	331.8	329.1	136.1	78.0	157.6	331.4	281.2	412.7	410.5	526.9	290.9
MEAN	7.17	11.1	10.6	4.39	2.69	5.08	11.0	9.07	13.8	13.2	17.0	9.70
MAX	12	28	13	8.1	3.1	7.7	21	21	38	36	66	21
MIN	4.0	4.0	8.2	3.2	2.4	2.8	4.0	4.0	6.2	5.9	5.6	5.1
AC-FT	441	658	653	270	155	313	657	558	819	814	1,050	577

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	8.93	6.20	4.52	38.9	48.6	69.4	29.1	99.5	105	33.8	14.8	11.2
MAX	19.1	13.7	12.3	660	727	582	428	441	624	319	27.8	19.3
(WY)	(1987)	(1987)	(1994)	(1997)	(1997)	(1986)	(1986)	(1996)	(1995)	(1995)	(2002)	(1999)
MIN	0.02	0.03	0.63	1.05	0.92	1.20	2.36	4.35	4.72	5.89	0.93	0.04
(WY)	(1993)	(1993)	(1993)	(1992)	(1992)	(2001)	(1991)	(1992)	(1992)	(1991)	(1992)	(1992)

10312275 CARSON RIVER AT TARZYN ROAD NEAR FALLON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	3,867.6		3,508.4			
ANNUAL MEAN	10.6		9.59		39.8	
HIGHEST ANNUAL MEAN					170	1997
LOWEST ANNUAL MEAN					2.38	1992
HIGHEST DAILY MEAN	59	Jul 14	66	Aug 14	896	May 20, 1996
LOWEST DAILY MEAN	1.6	Jan 11	2.4	Feb 20	0.00	Sep 29, 1992
ANNUAL SEVEN-DAY MINIMUM	1.6	Jan 8	2.5	Feb 18	0.01	Sep 26, 1992
MAXIMUM PEAK FLOW			82	Aug 14	942	May 27, 1996
MAXIMUM PEAK STAGE			5.24	Aug 14	8.73	Jan 22, 1997
ANNUAL RUNOFF (AC-FT)	7,670		6,960		28,860	
10 PERCENT EXCEEDS	19		16		27	
50 PERCENT EXCEEDS	9.0		8.3		6.2	
90 PERCENT EXCEEDS	3.5		3.1		1.8	

e Estimated

CARSON RIVER BASIN, CARSON DESERT

10312277 PAIUTE DRAIN BELOW TJ DRAIN NEAR STILLWATER, NV

LOCATION (REVISED).--Lat 39°36'33.53", long 118°33'15.96" referenced to North American Datum of 1983, in SW ¼ SW ¼ sec. 07, T.20 N., R.31 E., Churchill County, Hydrologic Unit 16050203, on right bank, 6 mi north of Stillwater.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1990 to September 2002, October 2002 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 3,880 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair. Flow in canal is return flow from irrigated lands and ground water inflows from Fallon Indian Reservation. See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 198 ft^3/s, June 26, 1995; no flow many days, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 54 ft^3/s, August 28, gage height, 17.02 ft; minimum daily discharge, 0.65 ft^3/s, October 6.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	---	---	---	---	1.1	1.7	3.0	1.6	5.7	0.66	19
2	1.7	---	---	---	---	1.7	2.2	20	2.2	1.8	6.6	10
3	0.98	---	---	---	---	1.6	0.82	20	1.5	1.7	8.1	24
4	1.2	---	---	---	---	1.3	0.81	7.6	0.99	0.99	12	32
5	0.75	---	---	---	---	1.2	2.3	5.2	1.7	0.79	3.2	3.9
6	0.65	---	---	---	---	1.1	2.6	8.0	1.9	0.72	8.9	1.4
7	0.69	---	---	---	---	0.99	2.8	14	1.5	0.70	31	1.2
8	0.73	---	---	---	---	0.94	6.3	13	2.6	2.5	26	3.3
9	0.98	---	---	---	---	0.90	9.1	5.2	2.3	5.7	26	2.9
10	0.98	---	---	---	---	1.9	5.7	15	1.8	2.0	22	5.8
11	1.1	---	---	---	---	2.1	4.1	23	1.4	3.2	18	10
12	0.99	---	---	---	---	2.1	4.7	14	2.4	4.5	18	6.9
13	0.88	---	---	---	---	1.8	4.9	6.3	1.7	1.1	19	4.7
14	0.85	---	---	---	---	1.5	4.1	6.5	2.4	0.74	16	5.6
15	0.87	---	---	---	---	1.2	8.9	11	1.9	12	20	1.7
16	0.81	---	---	---	---	0.91	11	8.8	1.1	25	13	2.1
17	0.68	---	---	---	---	0.76	4.0	2.0	0.94	22	5.3	0.97
18	4.1	---	---	---	---	0.71	3.7	5.5	0.72	18	8.4	1.4
19	10	---	---	---	---	0.74	3.9	3.2	1.0	18	39	5.6
20	7.7	---	---	---	---	0.75	3.7	2.8	2.3	12	31	8.8
21	3.9	---	---	---	---	0.76	3.3	2.0	3.6	5.6	25	15
22	1.7	---	---	---	---	0.80	8.8	2.3	5.0	4.8	31	19
23	3.4	---	---	---	---	0.80	9.3	1.1	2.6	7.3	32	9.6
24	5.2	---	---	---	---	0.82	3.8	6.7	3.5	1.4	32	11
25	5.5	---	---	---	---	0.84	4.8	8.3	4.1	1.5	36	15
26	5.5	---	---	---	---	0.88	9.1	7.5	13	2.2	36	13
27	5.2	---	---	---	---	0.88	7.4	4.1	9.6	1.4	35	5.6
28	3.7	---	---	---	---	0.87	4.4	3.6	15	0.89	43	6.9
29	3.5	---	---	---	---	0.86	3.8	9.5	7.3	0.97	34	7.9
30	6.1	---	---	---	---	0.85	4.1	5.4	5.9	1.4	36	11
31	5.7	---	---	---	---	0.88	---	2.1	---	0.73	29	---
TOTAL	87.84	---	---	---	---	34.54	146.13	246.7	103.55	167.33	701.16	265.27
MEAN	2.83	---	---	---	---	1.11	4.87	7.96	3.45	5.40	22.6	8.84
MAX	10	---	---	---	---	2.1	11	23	15	25	43	32
MIN	0.65	---	---	---	---	0.71	0.81	1.1	0.72	0.70	0.66	0.97
AC-FT	174	---	---	---	---	69	290	489	205	332	1,390	526

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	7.43	3.79	3.17	8.54	11.0	16.4	9.59	16.9	21.6	8.00	8.44	9.49
MAX	23.7	12.3	13.9	55.0	83.4	71.6	57.4	66.3	82.1	41.3	22.6	37.4
(WY)	(1997)	(1997)	(1998)	(1997)	(1997)	(1996)	(1998)	(1999)	(1995)	(1995)	(2004)	(1993)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.28	0.42	0.00	0.00
(WY)	(1993)	(1993)	(1993)	(1993)	(1993)	(1992)	(1993)	(1993)	(1992)	(1992)	(1992)	(1992)

SUMMARY STATISTICS	WATER YEARS 1991 - 2004	
ANNUAL MEAN	11.1	
HIGHEST ANNUAL MEAN	28.8	1997
LOWEST ANNUAL MEAN	0.17	1992
HIGHEST DAILY MEAN	198	Jun 26, 1995
LOWEST DAILY MEAN	0.00	Dec 26, 1990
ANNUAL SEVEN-DAY MINIMUM	0.00	Dec 26, 1990
ANNUAL RUNOFF (AC-FT)	8,010	
10 PERCENT EXCEEDS	32	
50 PERCENT EXCEEDS	3.0	
90 PERCENT EXCEEDS	0.00	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1986 to May 1987, October 1990 to October 1996, April 1997 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1990 to October 1996, April 1997 to current year.
WATER TEMPERATURE: October 1990 to October 1996, April 1997 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1990, to August 1993, hourly; September to December 1993, four times per hour; January to October 1996 hourly; April 1997 to current year, four times per hour.

REMARKS.--Instantaneous specific-conductance and water-temperature measurements during a site visit can be slightly outside the range of values recorded during the same day by the water-quality monitor. This presumably is due to fluctuations in conductance and temperature during the interval between periodic monitor recordings. In April 1994, station was incorporated into the Stillwater Environmental Monitoring Program to gage environmental changes that may occur as a result of change in management of irrigation water of the Newlands Irrigation Project. Records represent water temperature at probe within 0.5°C. Interruptions in record due to periods of no flow (see Water-Discharge Records), equipment malfunction, and monitor operation (Irrigation season since October 2002).

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 67,200 microsiemens, cm at 25°C, October 19, 1990; minimum recorded, 342 microsiemens, cm at 25°C, September 19, 1993.
WATER TEMPERATURE: Maximum recorded, 36.5°C, July 28, 1991; minimum, freezing point or below, on many days during winter months most years due to extremely high conductance values.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 26,700 microsiemens/cm at 25°C, April 1; minimum, 279 microsiemens/cm at 25°C, July 17.
WATER TEMPERATURE: Maximum, 32.0°C, July 6; minimum, 2.0°C, March 2, 3.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	9,250	4,150	6,190	---	---	---	---	---	---	---	---	---
2	4,330	3,110	3,690	---	---	---	---	---	---	---	---	---
3	3,530	2,950	3,260	---	---	---	---	---	---	---	---	---
4	4,330	3,400	3,770	---	---	---	---	---	---	---	---	---
5	4,590	3,730	4,290	---	---	---	---	---	---	---	---	---
6	4,600	3,700	4,280	---	---	---	---	---	---	---	---	---
7	4,270	2,860	3,600	---	---	---	---	---	---	---	---	---
8	4,360	3,100	3,750	---	---	---	---	---	---	---	---	---
9	6,220	3,540	4,540	---	---	---	---	---	---	---	---	---
10	6,240	4,060	5,190	---	---	---	---	---	---	---	---	---
11	4,430	2,720	3,640	---	---	---	---	---	---	---	---	---
12	4,440	2,990	3,840	---	---	---	---	---	---	---	---	---
13	4,510	3,020	3,800	---	---	---	---	---	---	---	---	---
14	4,570	3,220	4,010	---	---	---	---	---	---	---	---	---
15	4,930	3,490	4,150	---	---	---	---	---	---	---	---	---
16	5,460	4,010	4,640	---	---	---	---	---	---	---	---	---
17	5,750	4,930	5,450	---	---	---	---	---	---	---	---	---
18	5,710	1,180	3,490	---	---	---	---	---	---	---	---	---
19	2,090	1,000	1,510	---	---	---	---	---	---	---	---	---
20	3,920	1,090	1,380	---	---	---	---	---	---	---	---	---
21	7,950	3,880	5,740	---	---	---	---	---	---	---	---	---
22	5,140	2,890	3,560	---	---	---	---	---	---	---	---	---
23	5,050	1,800	3,290	---	---	---	---	---	---	---	---	---
24	1,800	921	1,130	---	---	---	---	---	---	---	---	---
25	1,230	803	953	---	---	---	---	---	---	---	---	---
26	1,350	900	1,050	---	---	---	---	---	---	---	---	---
27	1,600	1,010	1,160	---	---	---	---	---	---	---	---	---
28	2,540	1,220	1,560	---	---	---	---	---	---	---	---	---
29	2,590	1,410	1,810	---	---	---	---	---	---	---	---	---
30	1,980	1,330	1,530	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	9,250	803	3,340	---	---	---	---	---	---	---	---	---

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	17,600	14,700	16,300	26,700	3,270	14,000	6,700	3,300	4,430
2	---	---	---	16,000	14,700	15,500	17,200	3,960	8,620	4,670	1,620	2,550
3	---	---	---	15,800	13,300	14,800	25,400	17,200	21,900	1,730	1,440	1,590
4	---	---	---	16,800	14,300	15,700	26,400	4,590	24,500	2,360	1,650	2,170
5	---	---	---	16,800	15,000	15,800	6,510	3,730	4,730	2,700	1,530	1,970
6	---	---	---	16,900	15,200	16,100	17,000	3,770	11,000	1,830	1,450	1,670
7	---	---	---	17,400	16,300	16,900	17,100	5,060	11,000	1,630	1,260	1,440
8	---	---	---	18,100	16,900	17,500	10,100	902	2,900	1,540	1,250	1,380
9	---	---	---	19,000	11,800	17,200	1,200	869	1,020	1,710	1,320	1,490
10	---	---	---	11,800	5,610	6,830	2,060	1,200	1,650	4,330	1,390	2,720
11	---	---	---	5,940	4,560	5,060	4,300	1,670	2,770	2,010	1,330	1,690
12	---	---	---	5,440	4,300	4,940	6,680	2,470	3,940	1,910	1,490	1,650
13	---	---	---	6,430	5,220	5,720	7,560	2,590	4,860	2,120	1,500	1,930
14	---	---	---	8,200	6,300	7,180	3,550	2,610	2,990	2,160	1,550	1,840
15	---	---	---	11,400	8,120	9,480	4,140	1,560	3,090	1,700	1,270	1,470
16	---	---	---	16,000	11,400	13,700	1,630	1,310	1,470	2,380	1,490	1,800
17	---	---	---	21,300	15,900	18,700	2,150	1,570	1,890	4,390	2,380	3,240
18	---	---	---	22,900	20,700	22,200	2,310	2,070	2,200	4,240	3,540	3,860
19	---	---	---	22,900	22,300	22,700	3,160	2,270	2,730	3,600	2,640	3,010
20	---	---	---	23,200	21,900	22,700	3,500	2,560	2,950	2,970	1,930	2,310
21	---	---	---	23,300	21,700	23,000	3,520	1,820	3,000	5,910	2,970	3,610
22	---	---	---	23,300	21,300	23,000	2,870	1,280	1,960	7,520	5,910	6,870
23	---	---	---	23,700	22,600	23,300	2,210	1,500	1,750	6,730	4,780	6,200
24	---	---	---	24,200	22,800	23,500	5,320	1,940	3,490	6,220	1,960	4,100
25	---	---	---	24,000	23,200	23,700	4,610	1,630	3,030	1,960	1,460	1,600
26	---	---	---	24,600	23,800	24,200	1,870	1,260	1,490	2,050	1,470	1,840
27	---	---	---	24,800	23,900	24,400	2,990	1,360	2,370	2,340	1,660	1,960
28	---	---	---	25,000	24,200	24,600	3,380	2,490	2,920	2,160	1,650	1,780
29	---	---	---	25,200	24,200	24,800	7,630	2,500	5,150	2,230	1,460	1,710
30	---	---	---	25,800	24,700	25,200	5,280	2,780	3,410	1,980	1,540	1,730
31	---	---	---	25,900	24,900	25,500	---	---	---	2,420	1,840	2,040
MONTH	---	---	---	25,900	4,300	17,700	26,700	869	5,290	7,520	1,250	2,500
		JUNE			JULY			AUGUST			SEPTEMBER	
1	3,560	2,420	2,700	3,030	2,160	2,640	2,540	529	1,560	1,250	837	986
2	6,810	3,560	6,150	4,140	2,050	3,310	685	372	476	1,620	642	1,000
3	5,930	4,320	4,760	4,410	3,550	4,070	1,710	396	598	2,420	1,010	1,820
4	6,020	4,640	5,130	3,550	2,170	2,470	3,950	1,710	2,900	1,410	874	1,090
5	10,100	4,870	8,190	2,210	1,410	1,750	4,370	1,170	3,160	3,720	1,290	2,440
6	9,530	5,940	6,850	1,880	1,320	1,560	2,180	518	1,330	5,680	3,280	4,320
7	5,990	3,890	5,280	4,820	1,340	2,140	1,250	447	698	5,540	2,500	3,780
8	4,210	2,470	2,890	6,210	1,810	4,410	1,320	623	1,030	4,880	3,450	4,270
9	3,820	2,270	3,060	1,810	652	1,180	1,370	598	1,010	4,810	2,450	3,390
10	4,820	3,790	4,250	929	603	762	598	458	540	2,640	1,180	1,960
11	7,320	3,530	5,320	1,500	610	1,040	671	444	559	3,050	1,310	2,280
12	8,720	5,010	7,050	1,820	823	1,080	806	474	642	3,090	1,470	2,320
13	5,010	4,180	4,420	2,990	1,740	2,310	888	623	701	3,530	1,240	2,440
14	6,340	3,680	5,210	5,120	2,430	3,070	1,170	474	849	3,520	1,670	2,200
15	4,820	3,670	4,050	3,740	395	1,540	856	605	722	1,680	1,150	1,380
16	4,770	3,120	3,940	1,130	370	696	989	547	742	1,500	903	1,190
17	4,730	2,910	3,660	884	279	510	1,220	562	888	2,270	1,430	1,760
18	3,970	3,100	3,500	634	316	475	1,840	512	1,050	2,540	2,270	2,490
19	3,640	2,240	3,260	3,720	538	1,910	1,650	663	1,050	2,460	2,010	2,200
20	2,570	1,560	1,970	1,280	556	935	1,220	625	916	2,010	1,850	1,920
21	2,250	1,010	1,580	1,190	520	820	1,490	596	1,030	4,230	1,840	3,430
22	5,340	1,050	4,020	952	440	657	1,850	793	1,390	4,130	3,110	3,710
23	3,070	2,100	2,570	1,740	819	1,220	1,800	1,190	1,530	3,110	2,490	2,760
24	2,660	2,020	2,210	4,070	872	2,100	2,170	846	1,540	2,490	680	1,250
25	2,020	863	1,160	7,770	3,020	5,880	1,080	657	814	896	667	766
26	874	616	760	7,440	1,490	3,520	871	510	682	1,180	792	1,020
27	2,560	833	1,920	1,510	1,280	1,380	832	486	633	1,740	951	1,370
28	1,330	791	938	1,530	1,230	1,350	1,780	488	1,170	1,620	925	1,290
29	1,100	686	870	2,160	1,090	1,770	1,310	564	924	1,480	918	1,170
30	2,600	670	1,210	3,400	1,320	2,920	1,280	677	929	2,340	1,040	1,840
31	---	---	---	3,200	2,370	2,570	969	614	811	---	---	---
MONTH	10,100	616	3,630	7,770	279	2,000	4,370	372	1,060	5,680	642	2,130
YEAR	26,700	279	4,730									

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20.5	16.0	18.0	---	---	---	---	---	---	---	---	---
2	20.0	15.0	17.5	---	---	---	---	---	---	---	---	---
3	19.5	14.5	17.0	---	---	---	---	---	---	---	---	---
4	19.0	14.0	16.5	---	---	---	---	---	---	---	---	---
5	19.5	13.5	17.0	---	---	---	---	---	---	---	---	---
6	20.0	13.0	16.5	---	---	---	---	---	---	---	---	---
7	20.0	14.0	17.0	---	---	---	---	---	---	---	---	---
8	19.5	12.0	16.0	---	---	---	---	---	---	---	---	---
9	18.5	12.5	15.5	---	---	---	---	---	---	---	---	---
10	15.5	10.0	13.0	---	---	---	---	---	---	---	---	---
11	14.0	9.0	11.5	---	---	---	---	---	---	---	---	---
12	15.5	10.0	12.5	---	---	---	---	---	---	---	---	---
13	13.5	8.5	11.0	---	---	---	---	---	---	---	---	---
14	14.0	8.0	10.5	---	---	---	---	---	---	---	---	---
15	12.5	8.5	10.5	---	---	---	---	---	---	---	---	---
16	14.5	8.5	11.5	---	---	---	---	---	---	---	---	---
17	15.0	8.0	11.5	---	---	---	---	---	---	---	---	---
18	13.0	9.0	11.0	---	---	---	---	---	---	---	---	---
19	14.5	10.0	12.0	---	---	---	---	---	---	---	---	---
20	15.5	10.5	13.0	---	---	---	---	---	---	---	---	---
21	14.5	10.0	12.5	---	---	---	---	---	---	---	---	---
22	14.5	9.5	12.0	---	---	---	---	---	---	---	---	---
23	13.5	9.5	11.5	---	---	---	---	---	---	---	---	---
24	12.5	8.0	10.5	---	---	---	---	---	---	---	---	---
25	11.5	7.5	9.5	---	---	---	---	---	---	---	---	---
26	12.0	7.0	9.5	---	---	---	---	---	---	---	---	---
27	12.0	7.0	9.5	---	---	---	---	---	---	---	---	---
28	13.0	8.0	10.5	---	---	---	---	---	---	---	---	---
29	12.5	9.0	10.5	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	20.5	7.0	12.9	---	---	---	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	8.0	3.5	5.5	17.0	6.5	11.0	24.5	11.0	18.0
2	---	---	---	9.0	2.0	6.0	13.5	6.0	10.0	25.0	13.0	20.0
3	---	---	---	9.5	2.0	6.5	19.0	7.5	14.5	27.5	15.5	21.5
4	---	---	---	10.5	2.5	6.5	25.5	11.0	17.5	25.0	14.5	19.5
5	---	---	---	12.5	2.5	8.5	22.5	13.0	17.5	23.5	14.5	19.0
6	---	---	---	16.0	5.5	10.0	22.0	12.0	16.5	23.5	14.5	18.5
7	---	---	---	14.5	5.0	9.5	20.5	11.5	16.0	23.5	14.0	18.5
8	---	---	---	15.0	5.5	9.5	23.0	10.5	16.5	23.5	14.0	19.0
9	---	---	---	16.5	6.0	11.5	21.5	10.0	15.5	24.5	15.0	20.0
10	---	---	---	17.5	7.0	12.0	20.0	9.5	14.5	17.5	11.5	15.0
11	---	---	---	16.0	7.0	11.5	21.5	9.5	15.5	16.0	9.5	13.0
12	---	---	---	16.0	7.0	11.0	20.5	10.0	15.5	20.5	9.5	15.5
13	---	---	---	17.5	7.5	12.5	16.5	9.0	13.0	22.5	12.0	18.0
14	---	---	---	18.5	8.5	13.5	18.0	8.5	12.5	23.5	14.5	20.0
15	---	---	---	18.5	7.5	12.5	15.0	7.0	11.0	22.5	15.5	19.0
16	---	---	---	18.5	7.0	12.5	16.5	7.0	12.0	23.5	15.5	19.5
17	---	---	---	19.0	7.0	13.0	16.0	6.5	11.5	25.0	14.5	19.0
18	---	---	---	20.5	7.5	13.0	18.5	6.5	13.0	23.0	14.5	18.5
19	---	---	---	19.0	6.5	12.5	19.0	9.0	14.0	24.5	14.5	19.5
20	---	---	---	21.5	7.0	13.5	13.5	7.5	11.0	23.5	14.5	19.0
21	---	---	---	23.0	8.0	15.0	17.5	6.5	12.0	23.0	13.5	18.0
22	---	---	---	22.5	8.5	15.0	18.5	6.5	12.5	23.0	11.0	17.0
23	---	---	---	23.5	8.0	15.0	20.5	7.5	14.5	23.5	11.0	16.5
24	---	---	---	22.0	7.0	13.5	22.5	9.5	16.0	21.0	11.5	17.5
25	---	---	---	17.0	5.5	10.5	24.5	10.5	17.5	22.5	14.5	18.0
26	---	---	---	15.5	5.5	10.0	25.0	12.0	18.5	22.5	14.5	19.5
27	---	---	---	18.5	6.0	11.5	25.0	13.0	19.0	23.0	16.0	19.0
28	---	---	---	19.0	6.0	12.0	17.0	7.5	13.0	21.0	15.0	17.5
29	---	---	---	20.5	6.5	13.5	18.5	7.5	13.5	22.0	15.0	18.5
30	---	---	---	18.5	8.0	13.0	22.0	9.0	16.5	23.5	15.0	19.5
31	---	---	---	22.0	8.0	14.0	---	---	---	25.5	16.5	21.0
MONTH	---	---	---	23.5	2.0	11.4	25.5	6.0	14.4	27.5	9.5	18.5

10312277 PAIUTE DRAIN BELOW TJ DRAIN NEAR STILLWATER, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	28.0	17.0	22.5	27.0	19.0	22.5	29.5	18.0	24.5	24.5	18.5	21.5
2	28.0	17.5	22.5	29.0	19.0	24.0	28.0	18.5	23.5	23.0	15.0	20.0
3	29.0	15.5	22.0	28.5	19.0	23.5	26.0	18.5	22.5	19.5	14.5	17.0
4	30.0	16.0	22.5	31.0	19.0	25.0	26.0	18.5	22.0	20.0	14.5	17.0
5	26.5	15.5	21.0	31.5	19.0	25.0	24.5	18.0	21.5	21.0	15.0	18.5
6	26.0	13.5	20.5	32.0	19.5	25.0	25.5	18.5	22.5	23.5	15.0	19.5
7	27.5	13.0	19.0	30.0	19.0	24.0	27.5	18.5	23.0	24.0	16.0	20.5
8	22.5	13.5	17.5	28.5	19.0	24.5	28.0	19.5	23.5	21.5	17.0	19.5
9	19.0	13.5	16.0	28.5	19.0	24.0	27.5	20.0	24.0	22.0	17.0	19.5
10	23.0	14.0	18.0	28.0	19.0	23.5	28.0	20.5	24.5	23.0	17.5	20.5
11	26.5	14.5	21.0	28.0	19.0	24.0	28.5	21.5	25.0	23.0	18.0	20.5
12	25.0	16.5	21.0	29.5	19.0	24.5	28.0	21.5	24.5	21.5	15.0	19.0
13	29.0	17.5	23.0	30.0	19.5	24.5	23.5	20.5	22.5	21.5	14.5	18.0
14	27.0	18.0	22.5	31.0	20.0	25.0	27.5	20.5	24.0	19.5	13.5	16.5
15	26.5	15.0	21.0	29.5	21.0	25.5	24.5	20.5	22.5	20.5	13.0	16.5
16	27.5	15.0	21.0	29.5	22.0	26.0	24.5	20.5	22.5	21.5	13.5	17.5
17	28.5	15.5	21.0	28.0	21.5	24.5	26.5	20.5	23.5	23.0	14.0	18.0
18	29.0	16.5	22.5	28.5	21.5	25.0	26.5	21.0	24.0	16.0	12.5	14.5
19	29.0	17.0	23.0	26.5	22.0	24.5	26.0	20.5	23.5	16.5	11.5	14.0
20	28.0	18.5	23.5	29.0	22.0	25.5	26.5	20.5	23.5	15.0	10.5	13.0
21	26.5	19.5	23.0	30.0	22.5	26.0	26.5	21.5	23.5	15.5	9.5	13.0
22	27.5	20.0	23.5	30.5	22.5	26.5	22.5	17.5	20.5	17.0	10.5	14.0
23	30.0	20.5	25.0	31.5	21.5	26.0	22.5	17.5	20.0	18.0	12.0	15.0
24	27.5	19.0	23.5	30.0	20.5	25.0	23.5	18.5	21.0	20.5	12.0	16.5
25	28.5	19.0	24.5	28.5	20.5	24.5	23.5	17.5	21.0	21.5	14.0	18.0
26	28.5	21.0	24.5	28.5	20.0	24.0	21.5	16.5	19.0	21.0	12.5	17.0
27	27.5	20.5	24.0	29.5	19.5	24.0	22.5	16.5	19.5	20.0	12.5	16.5
28	27.0	20.0	23.5	29.5	19.5	24.5	22.0	17.0	19.5	20.5	13.5	17.0
29	28.5	20.0	24.0	28.5	17.5	23.0	24.0	17.5	21.0	19.5	13.5	16.5
30	26.5	19.0	23.0	26.0	17.5	22.0	24.5	18.5	21.5	20.0	13.0	16.5
31	---	---	---	29.5	18.0	23.5	25.5	19.5	22.5	---	---	---
MONTH	30.0	13.0	22.0	32.0	17.5	24.5	29.5	16.5	22.5	24.5	9.5	17.4
YEAR	32.0	2.0	18.0									

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10313400 MARYS RIVER BELOW ORANGE BRIDGE NEAR CHARLESTON, NV

LOCATION.--Lat 41°33'00", long 115°18'21" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec. 09, T.42 N., R.59 E., Elko County, Hydrologic Unit 16040101, on right bank, 5 mi below Orange Bridge, and approximately 14 mi southeast of Charleston.

DRAINAGE AREA.--72 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,860 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Humboldt River Basin. The rise to the maximum peak above base flow(200 cfs) resulted in multiple days of greater then 200 cfs discharge. Since this rise and the resultant peak are the result of a single snow melt event, only one peak above base flow discharge is warranted: May 06, with a discharge of 326 cfs at a gage height of 4.05 ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 819 ft^3/s, May 20, 1993, gage height, 4.57 ft; no flow some days, some years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
March 23	2200	257	3.91	May 5	2130	*323	*4.05
April 6	2030	319	3.96				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.30	1.5	3.2	1.9	3.1	18	135	130	107	15	0.40	0.20
2	0.40	1.4	1.9	1.2	5.0	12	130	148	114	12	0.39	0.12
3	0.63	1.7	1.7	1.4	6.2	10	165	181	123	16	0.31	0.09
4	1.2	1.6	1.5	2.7	3.4	9.9	180	230	131	17	0.21	0.10
5	1.2	1.5	1.7	3.9	2.6	11	190	289	133	11	0.14	0.17
6	1.2	1.8	1.7	e4.0	2.5	8.9	239	275	130	8.6	0.10	0.24
7	1.1	2.0	2.5	e4.0	3.1	10	238	262	120	6.9	0.08	0.23
8	1.3	2.9	1.2	3.9	2.4	18	239	237	108	5.8	0.08	0.21
9	1.4	2.5	1.1	3.9	1.8	34	219	211	94	5.1	0.07	0.15
10	1.1	2.1	1.4	e4.0	2.5	42	191	201	83	6.1	0.05	0.11
11	1.5	2.3	3.3	e4.0	3.4	47	171	178	75	4.4	0.03	0.10
12	1.6	1.9	2.0	e4.0	3.2	50	165	152	68	3.5	0.04	0.08
13	1.7	2.6	1.6	e4.0	4.0	55	172	132	62	2.8	0.04	0.08
14	2.2	2.9	1.2	e4.0	5.4	63	168	114	61	2.4	0.04	0.09
15	2.3	2.8	1.6	e4.0	8.2	62	148	107	61	2.0	0.05	0.14
16	2.4	3.1	2.4	e4.0	7.9	66	132	100	60	2.5	0.06	0.20
17	2.2	3.0	2.7	e4.0	6.0	78	126	101	56	2.1	0.07	0.19
18	2.0	2.1	2.0	e4.0	10	88	115	103	50	2.8	0.63	0.24
19	2.0	2.6	2.3	e5.0	2.6	105	108	106	44	3.1	1.1	1.2
20	2.0	3.6	1.2	e5.0	4.5	119	101	106	40	3.2	0.61	3.2
21	2.0	2.2	0.67	e5.0	7.3	133	98	107	38	3.2	1.3	3.6
22	2.2	0.93	0.64	e5.0	10	139	95	107	36	2.9	0.86	2.9
23	2.0	1.3	1.1	e5.0	12	158	96	108	33	2.2	0.53	2.7
24	1.9	1.8	0.65	e5.0	11	183	97	98	32	1.5	0.41	2.4
25	2.1	1.4	0.71	e5.0	13	167	100	90	30	1.5	0.44	2.2
26	2.3	1.3	0.38	e5.0	11	154	109	85	29	1.6	0.37	2.1
27	2.7	1.2	0.93	e5.0	10	122	125	90	26	1.4	0.92	1.9
28	3.5	1.7	1.1	e5.0	13	103	148	119	24	0.86	1.00	1.6
29	2.8	1.9	1.1	e5.0	12	97	143	129	20	0.70	0.71	2.3
30	2.1	3.5	2.4	4.7	---	108	131	118	18	0.63	0.46	3.1
31	1.6	---	2.1	2.5	---	127	---	108	---	0.48	0.29	---
TOTAL	54.93	63.13	49.98	125.1	187.1	2,397.8	4,474	4,522	2,006	149.27	11.79	31.94
MEAN	1.77	2.10	1.61	4.04	6.45	77.3	149	146	66.9	4.82	0.38	1.06
MAX	3.5	3.6	3.3	5.0	13	183	239	289	133	17	1.3	3.6
MIN	0.30	0.93	0.38	1.2	1.8	8.9	95	85	18	0.48	0.03	0.08
AC-FT	109	125	99	248	371	4,760	8,870	8,970	3,980	296	23	63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	3.61	6.09	6.70	9.70	14.1	53.4	114	185	107	14.9	1.32	1.47
MAX	7.65	11.0	12.7	28.6	51.3	139	229	345	233	52.1	5.66	4.62
(WY)	(1999)	(1992)	(1996)	(1997)	(1996)	(1996)	(1996)	(1993)	(1995)	(1995)	(1993)	(1998)
MIN	1.02	2.10	1.61	3.73	4.48	17.4	47.5	47.1	7.04	1.14	0.00	0.00
(WY)	(1996)	(2004)	(2004)	(1994)	(2001)	(1994)	(1994)	(1992)	(1992)	(2001)	(2001)	(1994)

10313400 MARYS RIVER BELOW ORANGE BRIDGE NEAR CHARLESTON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	10,408.67		14,073.04			
ANNUAL MEAN	28.5		38.5		43.2	
HIGHEST ANNUAL MEAN					73.0	1996
LOWEST ANNUAL MEAN					15.8	1992
HIGHEST DAILY MEAN	341	May 29	289	May 5	579	May 14, 1993
LOWEST DAILY MEAN	0.00	Jul 31	0.03	Aug 11	0.00	Aug 17, 1994
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 9	0.04	Aug 10	0.00	Aug 17, 1994
MAXIMUM PEAK FLOW			323	May 5	819	May 20, 1993
MAXIMUM PEAK STAGE			4.05	May 5	4.57	May 20, 1993
ANNUAL RUNOFF (AC-FT)	20,650		27,910		31,320	
10 PERCENT EXCEEDS	81		131		152	
50 PERCENT EXCEEDS	3.8		3.4		7.5	
90 PERCENT EXCEEDS	0.00		0.38		0.46	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1991 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: November 1991 to current year.

INSTRUMENTATION.--Water temperature monitor since November 1991, hourly.

REMARKS.--Records represent water temperature at probe within 0.5°C.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 32.0°C, August 12, 1992; minimum, freezing point on many days during winter months of most years.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 26.5°C, July 31; minimum, 0.0°C, on several days.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	15.0	11.5	13.5	5.0	0.0	2.0	2.0	0.0	1.0	0.0	0.0	0.0
2	15.5	11.0	13.0	3.5	0.0	1.5	2.5	0.0	1.0	0.0	0.0	0.0
3	16.0	10.0	12.5	3.5	1.5	2.0	2.5	0.0	1.5	0.0	0.0	0.0
4	16.5	9.0	12.0	2.5	0.5	1.5	2.0	0.0	1.0	0.0	0.0	0.0
5	16.5	9.0	12.5	3.0	0.0	1.5	3.0	1.5	2.5	0.0	0.0	0.0
6	17.0	9.5	12.5	4.0	0.0	1.0	3.0	1.5	2.0	0.0	0.0	0.0
7	15.0	10.0	12.0	3.5	0.0	1.5	3.5	1.0	2.5	0.0	0.0	0.0
8	17.0	8.5	12.0	5.0	0.5	3.0	1.5	0.0	0.5	0.0	0.0	0.0
9	16.5	8.5	11.5	3.5	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
10	13.5	7.0	10.0	4.5	1.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
11	13.0	4.0	8.0	4.5	1.0	2.5	1.0	0.0	0.0	0.0	0.0	0.0
12	14.0	6.5	9.0	4.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
13	12.5	5.0	8.0	3.5	1.0	2.0	2.0	0.0	0.5	0.0	0.0	0.0
14	12.5	5.5	8.0	4.5	1.0	2.5	0.5	0.0	0.0	0.0	0.0	0.0
15	9.5	4.5	7.0	4.5	1.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
16	13.0	5.5	8.5	5.0	2.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
17	14.0	6.5	9.5	3.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
18	13.0	6.5	9.0	4.0	0.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0
19	13.5	6.5	9.0	4.5	1.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
20	14.0	6.5	9.5	5.0	2.5	3.5	0.5	0.0	0.0	0.0	0.0	0.0
21	14.0	6.0	9.5	2.5	0.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0
22	13.5	6.5	9.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	12.5	6.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	10.0	4.5	6.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	10.0	3.0	6.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	10.5	4.0	6.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	11.0	4.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	13.5	7.5	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	9.0	5.0	7.5	1.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
30	6.0	3.0	4.5	2.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
31	3.5	1.0	2.5	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
MONTH	17.0	1.0	9.2	5.0	0.0	1.6	3.5	0.0	0.4	0.0	0.0	0.0

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	0.0	0.0	0.0	5.5	3.5	4.5	13.5	4.0	8.5
2	0.0	0.0	0.0	1.0	0.0	0.0	10.5	2.5	6.0	14.0	5.0	9.0
3	0.0	0.0	0.0	1.0	0.0	0.0	10.5	3.5	6.5	14.0	5.0	10.0
4	0.0	0.0	0.0	1.5	0.0	0.5	9.5	3.0	6.0	13.5	5.0	9.5
5	0.0	0.0	0.0	2.5	0.0	1.0	9.0	3.0	6.0	12.0	5.0	8.5
6	0.0	0.0	0.0	5.0	0.0	2.0	6.0	4.5	5.0	12.5	5.0	8.5
7	0.0	0.0	0.0	6.5	0.0	2.5	8.5	4.5	6.0	12.5	5.0	7.5
8	0.0	0.0	0.0	8.0	0.0	2.5	9.5	3.5	6.0	12.0	5.0	9.0
9	0.0	0.0	0.0	5.0	0.0	2.0	9.5	3.0	6.0	12.5	5.5	8.5
10	0.0	0.0	0.0	6.0	0.0	2.5	9.5	2.5	5.5	8.5	5.0	6.5
11	0.0	0.0	0.0	6.0	0.0	2.0	10.5	2.0	6.0	9.0	3.5	5.5
12	0.0	0.0	0.0	6.5	0.0	3.0	11.5	3.0	7.0	9.5	4.0	6.0
13	0.0	0.0	0.0	7.5	0.0	3.5	10.0	3.5	6.5	11.5	3.0	7.0
14	0.0	0.0	0.0	6.0	1.0	3.5	8.0	3.5	5.5	13.0	4.5	8.5
15	0.0	0.0	0.0	7.5	1.0	4.0	8.5	3.0	5.5	9.0	5.0	7.5
16	0.0	0.0	0.0	8.0	1.5	4.5	7.5	3.5	5.5	13.0	5.0	9.0
17	0.0	0.0	0.0	8.5	1.0	4.5	7.5	4.0	5.5	13.5	6.0	9.5
18	0.0	0.0	0.0	8.0	1.0	4.5	8.0	3.0	5.0	12.5	6.5	9.0
19	0.0	0.0	0.0	8.5	1.5	4.5	8.0	3.5	5.5	11.0	5.0	8.0
20	0.0	0.0	0.0	9.0	2.0	5.0	8.0	4.0	5.5	12.5	6.0	9.0
21	0.0	0.0	0.0	9.0	2.0	5.0	7.0	3.0	4.5	9.5	6.0	8.0
22	0.0	0.0	0.0	8.0	2.5	5.0	10.0	2.5	5.5	9.5	5.5	7.5
23	0.0	0.0	0.0	10.0	3.0	5.5	12.5	3.0	7.5	10.5	5.0	7.5
24	0.0	0.0	0.0	8.5	2.0	4.5	12.0	4.0	8.0	10.5	3.5	7.0
25	0.0	0.0	0.0	8.5	2.5	5.0	13.0	3.5	8.0	11.0	3.5	7.5
26	0.0	0.0	0.0	6.5	2.5	4.5	13.5	4.5	9.0	12.5	5.0	8.5
27	0.0	0.0	0.0	5.5	1.5	3.5	13.0	4.5	9.0	12.0	7.0	9.5
28	0.0	0.0	0.0	9.0	1.0	4.5	8.5	4.5	6.5	9.5	7.0	8.0
29	0.0	0.0	0.0	9.5	1.5	5.5	8.0	2.5	5.0	10.0	4.0	6.5
30	---	---	---	10.0	2.5	6.0	12.5	2.5	8.0	12.0	4.0	7.5
31	---	---	---	9.5	2.5	6.0	---	---	---	13.5	5.0	9.5
MONTH	0.0	0.0	0.0	10.0	0.0	3.5	13.5	2.0	6.2	14.0	3.0	8.1
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.0	6.0	10.5	20.0	11.0	15.5	22.5	14.0	18.0	22.0	13.0	17.5
2	15.0	6.5	11.0	16.0	12.0	14.5	21.5	15.0	18.0	20.5	14.5	17.5
3	14.5	7.0	11.0	17.0	11.0	14.0	25.0	13.5	18.5	18.5	12.0	15.5
4	15.0	7.0	11.0	21.5	11.5	16.0	24.5	13.0	18.5	17.0	10.5	14.0
5	14.5	7.0	11.0	23.0	11.0	16.5	23.0	13.5	18.5	19.5	10.0	14.5
6	15.0	7.0	11.0	23.5	11.0	17.0	21.5	13.0	17.5	20.5	10.0	15.0
7	15.0	7.0	11.0	23.0	13.0	18.0	23.0	13.5	18.0	20.0	10.5	15.5
8	14.0	6.5	10.0	24.0	12.0	17.5	23.0	14.0	18.0	20.0	11.0	15.5
9	14.5	7.0	10.0	20.0	12.5	16.0	23.0	14.5	18.5	19.5	11.5	15.0
10	10.5	6.5	8.5	24.0	11.5	17.0	24.5	14.5	18.5	18.5	11.5	15.0
11	13.0	5.5	9.0	24.5	11.5	18.0	25.0	15.0	19.0	19.0	11.5	15.5
12	13.5	8.0	10.5	25.5	13.0	19.0	24.5	15.5	19.5	16.5	13.0	14.5
13	16.5	7.5	11.5	26.0	14.0	20.0	22.0	16.5	19.0	15.5	12.0	14.0
14	18.0	8.5	13.0	24.5	15.0	20.0	19.5	16.5	18.0	15.0	10.5	12.5
15	16.0	8.0	12.0	25.5	16.0	20.5	21.0	16.5	18.0	17.0	8.5	12.5
16	17.0	7.5	12.0	23.5	15.5	19.5	20.0	16.0	17.5	17.5	10.5	13.5
17	17.5	7.5	12.5	24.0	15.5	19.5	17.5	15.5	16.5	18.0	10.5	14.5
18	16.5	9.0	13.0	20.0	17.0	18.0	21.0	15.0	17.5	15.5	11.5	13.0
19	18.5	9.0	13.5	24.5	15.0	19.0	21.5	14.5	17.5	12.0	8.5	10.0
20	18.5	9.5	14.0	24.5	15.0	20.0	22.0	15.0	17.5	12.0	7.5	9.5
21	19.5	8.5	14.0	24.5	16.5	20.5	22.5	13.5	17.5	13.0	6.0	9.5
22	20.5	9.0	14.5	22.0	16.0	19.0	18.5	14.0	16.5	15.0	6.5	10.5
23	18.0	10.5	14.0	25.5	14.5	19.5	20.0	12.5	15.5	16.0	8.5	12.0
24	19.0	11.0	14.5	22.5	15.0	19.0	18.5	12.5	14.5	17.0	9.5	13.0
25	17.5	11.5	14.5	21.5	16.0	18.5	21.0	12.5	15.5	18.0	10.0	13.5
26	20.0	10.5	15.0	21.5	14.5	18.0	20.0	12.5	15.0	17.5	10.5	13.5
27	17.5	11.0	14.0	22.5	14.5	18.5	21.0	10.5	15.0	18.5	11.0	14.0
28	20.5	11.0	16.0	24.5	14.0	19.0	22.0	12.0	16.5	17.0	10.5	13.5
29	20.5	11.0	15.5	22.5	15.5	18.5	24.0	12.5	17.0	13.0	11.0	12.0
30	22.0	11.5	16.5	25.5	14.0	19.0	24.5	12.5	17.5	15.5	10.5	12.5
31	---	---	---	26.5	14.5	19.5	23.0	12.0	17.5	---	---	---
MONTH	22.0	5.5	12.5	26.5	11.0	18.2	25.0	10.5	17.4	22.0	6.0	13.6
YEAR	26.5	0.0	7.6									

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10315500 MARYS RIVER ABOVE HOT SPRINGS CREEK NEAR DEETH, NV

LOCATION.--Lat 41°15'10", long 115°15'20" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec. 24, T.39 N., R.59 E., Elko County, Hydrologic Unit 16040101, on right bank, 1 mi upstream from Hot Springs Creek, 7 mi north of Cross Ranch, and 13 mi north of Deeth.

DRAINAGE AREA.--415 mi^2.

PERIOD OF RECORD.--October 1943 to September 1980, October 1981 to current year. Prior to October 1950, published as "below Hot Springs Creek, near Deeth."

GAGE.--Water-stage recorder. Elevation of gage is 5,500 ft above National Geodetic Vertical Datum of 1929, from river-profile map. Prior to November 3, 1950, at site 1.2 mi downstream at different datum. November 3, 1950, to September 30, 1967, water-stage recorder at datum 1.00 ft higher. October 1, 1967, to September 8, 1982, at site 200 ft downstream at datum 0.33 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Several diversions for irrigation above station. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,210 ft^3/s, February 12, 1962, gage height, 7.63 ft, from rating curve extended above 1,000 ft^3/s on basis of slope-area measurement of peak flow; no flow for part of each day August 27-30, September 2-5, 1967.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
March 26	0815	240	3.74	May 8	0915	240	3.74
April 9	0945	*294	*3.99				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	2.2	2.0	e5.3	e8.9	16	167	141	134	25	1.7	e1.6
2	1.7	2.7	2.1	e5.4	e9.0	e17	179	135	127	23	1.8	e1.6
3	e1.7	3.0	2.1	e5.5	e9.2	e18	171	141	126	22	1.8	e1.6
4	e1.3	2.8	2.2	e5.7	e9.3	e19	185	157	128	21	1.6	e1.6
5	1.8	2.2	2.4	e5.8	e9.5	20	204	178	134	20	1.6	e1.6
6	2.1	1.7	2.4	e6.0	e9.6	23	219	208	138	18	1.5	e1.6
7	2.3	1.9	3.4	e6.2	e9.7	23	247	230	139	16	1.5	e1.7
8	2.3	2.2	3.0	e6.5	e9.8	26	275	233	137	14	e1.5	e1.7
9	2.3	2.4	3.0	6.7	e9.9	31	284	226	130	12	e1.5	e1.7
10	2.2	1.8	3.2	6.7	e10	40	276	220	120	10	e1.5	e1.7
11	2.4	1.9	3.1	e6.9	e10	48	257	216	110	8.7	e1.5	e1.7
12	e2.0	1.9	3.0	e7.0	e10	58	234	208	101	7.8	e1.5	e1.7
13	e2.0	2.1	e3.0	e7.1	e10	63	217	188	90	6.7	e1.5	e1.7
14	2.0	2.0	e3.0	e7.2	e10	67	211	171	81	5.7	e1.5	e1.7
15	2.1	2.2	e3.0	e7.2	e10	78	207	153	76	4.7	e1.5	e1.7
16	2.1	2.2	e3.0	e7.2	11	87	196	136	72	4.1	e1.5	e1.7
17	2.1	2.3	e3.0	e7.2	11	92	197	123	69	3.8	e1.5	e1.7
18	2.1	2.3	3.0	e7.3	11	101	190	113	65	4.2	e1.6	e1.7
19	2.1	2.6	3.4	e7.5	12	112	176	112	60	4.1	e1.6	e1.7
20	2.3	2.4	4.2	e7.6	e12	131	164	113	55	3.8	e1.6	e1.7
21	2.4	2.2	5.0	e7.9	13	152	155	118	52	3.5	e1.6	e1.7
22	2.5	2.1	4.8	e8.0	e13	167	148	125	48	3.1	e1.6	e1.7
23	2.4	2.2	4.6	e8.1	e14	185	138	130	45	3.1	e1.6	e1.7
24	2.1	2.2	e4.6	e8.3	e14	195	132	130	42	2.9	e1.6	e1.7
25	2.0	2.4	e4.7	e8.4	e15	225	125	122	41	2.7	e1.6	e1.7
26	2.2	2.1	e4.8	e8.5	e15	230	120	113	39	2.7	e1.6	e1.7
27	2.4	2.0	e4.9	e8.5	e15	221	121	108	37	3.3	e1.6	e1.7
28	2.6	1.9	e5.0	e8.6	e16	193	132	116	35	2.7	e1.6	e1.6
29	2.3	2.0	e5.0	e8.7	e16	168	149	134	32	2.2	e1.6	1.6
30	1.9	1.9	5.0	e8.8	---	155	151	147	28	1.9	e1.6	1.4
31	1.7	---	e5.1	e8.9	---	156	---	143	---	1.8	e1.6	---
TOTAL	65.1	65.8	111.0	224.7	332.9	3,117	5,627	4,788	2,491	264.5	48.9	49.9
MEAN	2.10	2.19	3.58	7.25	11.5	101	188	154	83.0	8.53	1.58	1.66
MAX	2.6	3.0	5.1	8.9	16	230	284	233	139	25	1.8	1.7
MIN	1.3	1.7	2.0	5.3	8.9	16	120	108	28	1.8	1.5	1.4
AC-FT	129	131	220	446	660	6,180	11,160	9,500	4,940	525	97	99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2004, BY WATER YEAR (WY)

MEAN	5.73	11.1	14.7	19.2	35.4	75.3	170	243	153	25.6	4.22	2.75
MAX	30.4	35.0	41.9	70.4	226	316	515	868	555	154	42.3	20.3
(WY)	(1985)	(1985)	(1984)	(1971)	(1962)	(1986)	(1952)	(1984)	(1984)	(1984)	(1984)	(1984)
MIN	0.94	2.03	2.96	5.78	7.05	16.8	40.0	43.2	3.50	1.11	0.49	0.38
(WY)	(1956)	(1993)	(2002)	(1955)	(1993)	(1977)	(1955)	(1992)	(1992)	(1961)	(1948)	(1955)

10315500 MARYS RIVER ABOVE HOT SPRINGS CREEK NEAR DEETH, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1944 - 2004	
ANNUAL TOTAL	8,361.8		17,185.8			
ANNUAL MEAN	22.9		47.0		63.3	
HIGHEST ANNUAL MEAN					194	1984
LOWEST ANNUAL MEAN					16.1	1992
HIGHEST DAILY MEAN	240	May 31	284	Apr 9	2,690	Feb 12, 1962
LOWEST DAILY MEAN	1.1	Sep 20	1.3	Oct 4	0.20	Aug 20, 1944
ANNUAL SEVEN-DAY MINIMUM	1.3	Sep 15	1.5	Aug 6	0.20	Aug 29, 1948
MAXIMUM PEAK FLOW			294	Apr 9	4,210	Feb 12, 1962
MAXIMUM PEAK STAGE			3.99	Apr 9	7.63	Feb 12, 1962
ANNUAL RUNOFF (AC-FT)	16,590		34,090		45,840	
10 PERCENT EXCEEDS	56		167		197	
50 PERCENT EXCEEDS	8.6		6.9		17	
90 PERCENT EXCEEDS	1.7		1.6		1.6	

e Estimated

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10315600 MARYS RIVER BELOW TWIN BUTTES NEAR DEETH, NV

LOCATION.--Lat 41°09'16", long 115°16'13" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec. 25, T.38 N., R.59 E., Elko County, Hydrologic Unit 16040101, on right bank, 6 mi north of Deeth.

DRAINAGE AREA.--516 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,410 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 592 ft^3/s, March 18, 1993, gage height, 7.62 ft; no flow many days, most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 292 ft^3/s, April 9, 10, gage height, 5.94 ft; minimum daily discharge, 0.00 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	5.7	e6.0	e8.0	e20	126	117	109	28	0.00	0.00
2	0.00	0.00	5.2	e6.0	e8.0	e20	137	110	102	25	0.00	0.00
3	0.00	0.00	4.8	e6.0	e8.0	e21	142	107	98	24	0.00	0.00
4	0.00	0.00	4.9	e6.0	e9.0	e21	141	113	96	23	0.00	0.00
5	0.00	0.00	4.5	e6.0	e9.0	e22	166	126	98	22	0.00	0.00
6	0.00	0.00	4.7	e6.0	e9.0	e22	196	149	100	20	0.00	0.00
7	0.00	0.00	e4.5	e6.0	e10	e23	235	190	102	18	0.00	0.00
8	0.00	0.00	e4.5	e6.0	e10	e24	272	210	101	17	0.00	0.00
9	0.00	0.00	e4.5	e6.0	e10	e30	285	213	100	16	0.00	0.00
10	0.00	0.00	e4.5	e6.0	e10	e35	283	207	94	12	0.00	0.00
11	0.00	0.00	e4.5	e7.0	e11	38	274	207	89	10	0.00	0.00
12	0.00	0.00	e4.5	e7.0	e11	52	248	194	83	7.0	0.00	0.00
13	0.00	0.00	e4.0	e7.0	e12	61	217	179	77	5.0	0.00	0.00
14	0.00	0.00	e4.0	e7.0	e12	67	196	152	69	3.9	0.00	0.00
15	0.00	0.00	e4.0	e7.0	e12	71	190	133	63	2.6	0.00	0.00
16	0.00	0.00	e4.0	e7.0	e13	78	185	117	59	1.7	0.00	0.00
17	0.00	0.00	e4.0	e7.0	e13	82	198	105	56	0.81	0.00	0.00
18	0.00	0.00	e4.0	e7.0	e14	86	181	97	54	0.19	0.00	0.00
19	0.00	0.28	e4.0	e7.0	e14	94	164	e96	52	0.08	0.00	0.00
20	0.00	0.77	e4.0	e7.0	e15	105	144	e95	49	0.05	0.00	0.00
21	0.00	1.2	e4.5	e8.0	e15	115	136	e94	47	0.04	0.00	0.00
22	0.00	1.6	e4.5	e8.0	e16	129	130	e93	45	0.02	0.00	0.00
23	0.00	0.68	e4.5	e8.0	e16	135	120	e93	43	0.01	0.00	0.00
24	0.00	1.2	e5.0	e8.0	e17	144	112	e92	41	0.00	0.00	0.00
25	0.00	2.3	e5.0	e8.0	e17	156	105	e92	39	0.00	0.00	0.00
26	0.00	2.6	e5.0	e8.0	e18	189	100	e91	38	0.00	0.00	0.00
27	0.00	2.7	e5.0	e8.0	e18	199	97	e91	36	0.00	0.00	0.00
28	0.00	3.1	e5.5	e8.0	e19	188	98	95	36	0.00	0.00	0.00
29	0.00	3.7	e5.5	e8.0	e19	152	108	e100	35	0.00	0.00	0.00
30	0.00	5.6	e5.5	e8.0	---	130	119	109	31	0.00	0.00	0.00
31	0.00	---	e6.0	e8.0	---	122	---	113	---	0.00	0.00	---
TOTAL	0.00	25.73	144.8	218.0	373.0	2,631	5,105	3,980	2,042	236.40	0.00	0.00
MEAN	0.00	0.86	4.67	7.03	12.9	84.9	170	128	68.1	7.63	0.00	0.00
MAX	0.00	5.6	6.0	8.0	19	199	285	213	109	28	0.00	0.00
MIN	0.00	0.00	4.0	6.0	8.0	20	97	91	31	0.00	0.00	0.00
AC-FT	0.00	51	287	432	740	5,220	10,130	7,890	4,050	469	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	1.03	5.23	8.45	13.2	20.8	71.8	128	188	123	17.9	0.56	0.00
MAX	5.38	18.4	22.7	39.2	36.3	171	228	342	303	67.8	2.38	0.00
(WY)	(1999)	(1999)	(1999)	(1997)	(1996)	(1993)	(1993)	(1998)	(1998)	(1998)	(1997)	(1992)
MIN	0.00	0.17	1.81	4.19	5.25	29.3	41.4	36.3	1.90	0.00	0.00	0.00
(WY)	(1992)	(2002)	(1993)	(1993)	(1993)	(2002)	(1992)	(1992)	(1992)	(2001)	(1992)	(1992)

10315600 MARYS RIVER BELOW TWIN BUTTES NEAR DEETH, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	9,868.73		14,755.93			
ANNUAL MEAN	27.0		40.3		48.1	
HIGHEST ANNUAL MEAN					85.9	1997
LOWEST ANNUAL MEAN					12.1	1992
HIGHEST DAILY MEAN	208	Jun 1	285	Apr 9	481	May 19, 1996
LOWEST DAILY MEAN	0.00	Jul 14	0.00	Oct 1	0.00	Oct 1, 1991
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 14	0.00	Oct 1	0.00	Oct 1, 1991
MAXIMUM PEAK FLOW			292	Apr 9	592	Mar 18, 1993
MAXIMUM PEAK STAGE			5.94	Apr 9	7.62	Mar 18, 1993
ANNUAL RUNOFF (AC-FT)	19,570		29,270		34,880	
10 PERCENT EXCEEDS	77		134		159	
50 PERCENT EXCEEDS	10		7.0		9.0	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1992 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June 1992 to current year.

INSTRUMENTATION.--Water temperature recorder since June 1992, hourly.

REMARKS.--Records represent water temperature at probe within 0.5°C. Interruptions in record due to periods of no flow or instrument malfunction (see Water-Discharge Records).

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum recorded, 28.0°C, July 13, 1996; minimum recorded, freezing point on many days during winter months of most years.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 22.5°C, June 16; minimum, 0.0°C, on many days.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
2	---	---	---	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
3	---	---	---	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
4	---	---	---	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
5	---	---	---	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
6	---	---	---	---	---	---	1.0	0.0	0.5	0.0	0.0	0.0
7	---	---	---	---	---	---	1.5	0.5	1.0	0.0	0.0	0.0
8	---	---	---	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
9	---	---	---	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
10	---	---	---	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
11	---	---	---	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
12	---	---	---	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
13	---	---	---	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
14	---	---	---	---	---	---	0.0	0.0	0.0	---	---	---
15	---	---	---	---	---	---	0.0	0.0	0.0	---	---	---
16	---	---	---	---	---	---	0.0	0.0	0.0	---	---	---
17	---	---	---	---	---	---	0.0	0.0	0.0	---	---	---
18	---	---	---	---	---	---	0.0	0.0	0.0	---	---	---
19	---	---	---	---	---	---	0.0	0.0	0.0	---	---	---
20	---	---	---	4.0	3.0	3.5	0.0	0.0	0.0	---	---	---
21	---	---	---	3.0	0.5	2.0	0.0	0.0	0.0	---	---	---
22	---	---	---	1.0	0.0	0.5	0.0	0.0	0.0	---	---	---
23	---	---	---	1.0	0.0	0.0	0.0	0.0	0.0	---	---	---
24	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0	---	---	---
25	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0	---	---	---
26	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
27	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	---	---	---	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
MONTH	---	---	---	4.0	0.0	0.5	1.5	0.0	0.0	0.0	0.0	0.0

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	0.0	0.0	0.0	9.5	6.5	8.0	14.5	9.0	12.0
2	0.0	0.0	0.0	0.0	0.0	0.0	9.5	5.0	7.0	15.5	11.0	13.5
3	0.0	0.0	0.0	0.0	0.0	0.0	10.5	7.0	8.5	16.5	12.0	14.5
4	0.0	0.0	0.0	0.0	0.0	0.0	12.0	7.5	9.5	17.0	13.0	15.0
5	0.0	0.0	0.0	0.0	0.0	0.0	12.5	9.0	11.0	17.0	13.0	15.0
6	0.0	0.0	0.0	0.0	0.0	0.0	12.0	9.5	10.5	17.0	13.0	15.0
7	0.0	0.0	0.0	0.0	0.0	0.0	10.5	8.5	9.5	17.0	13.0	15.0
8	0.0	0.0	0.0	0.0	0.0	0.0	12.0	8.0	10.0	16.5	13.0	15.0
9	0.0	0.0	0.0	0.0	0.0	0.0	11.0	8.0	9.5	16.0	12.5	14.5
10	0.0	0.0	0.0	3.0	0.0	0.5	11.0	7.5	9.0	14.5	10.0	12.5
11	0.0	0.0	0.0	5.5	2.0	3.5	11.5	7.0	9.0	10.0	8.5	9.5
12	0.0	0.0	0.0	5.0	2.0	3.5	12.0	7.5	10.0	10.5	8.0	9.0
13	0.0	0.0	0.0	6.0	2.0	4.0	12.0	9.0	10.5	11.0	7.0	9.5
14	0.0	0.0	0.0	5.5	3.5	4.5	10.5	8.5	9.5	13.0	8.5	11.0
15	0.0	0.0	0.0	7.5	3.0	5.5	9.0	7.0	8.0	12.5	10.0	11.5
16	0.0	0.0	0.0	8.0	4.0	6.0	9.0	7.0	8.0	14.0	10.0	12.0
17	0.0	0.0	0.0	9.0	4.5	7.0	8.5	7.0	7.5	15.5	10.5	13.0
18	0.0	0.0	0.0	8.5	5.0	7.0	8.0	6.0	7.0	---	---	---
19	0.0	0.0	0.0	10.0	6.0	8.0	8.5	6.0	7.5	---	---	---
20	0.0	0.0	0.0	10.5	6.5	8.5	8.5	6.5	7.5	---	---	---
21	0.0	0.0	0.0	11.5	7.5	9.5	8.0	6.0	7.0	---	---	---
22	0.0	0.0	0.0	10.5	8.0	9.5	9.0	5.5	7.0	---	---	---
23	0.0	0.0	0.0	11.5	7.5	9.5	11.5	6.0	9.0	---	---	---
24	0.0	0.0	0.0	10.5	7.5	9.0	12.5	8.5	10.5	---	---	---
25	0.0	0.0	0.0	10.0	7.0	8.5	13.0	8.5	11.0	---	---	---
26	0.0	0.0	0.0	9.0	6.0	8.0	14.5	9.5	12.0	---	---	---
27	0.0	0.0	0.0	7.5	5.0	6.0	15.0	11.0	13.0	---	---	---
28	0.0	0.0	0.0	8.5	4.5	6.5	13.5	9.5	11.5	---	---	---
29	0.0	0.0	0.0	9.5	5.0	7.0	9.5	7.5	8.5	---	---	---
30	---	---	---	10.5	6.5	8.5	12.0	6.5	9.5	---	---	---
31	---	---	---	11.0	7.0	9.0	---	---	---	20.0	16.0	18.0
MONTH	0.0	0.0	0.0	11.5	0.0	4.8	15.0	5.0	9.2	20.0	7.0	13.1
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.0	15.5	17.5	---	---	---	---	---	---	---	---	---
2	19.0	15.0	17.0	---	---	---	---	---	---	---	---	---
3	19.0	14.5	16.5	---	---	---	---	---	---	---	---	---
4	18.5	14.0	16.5	---	---	---	---	---	---	---	---	---
5	19.0	14.5	17.0	---	---	---	---	---	---	---	---	---
6	20.0	15.0	17.5	---	---	---	---	---	---	---	---	---
7	19.0	15.0	17.0	---	---	---	---	---	---	---	---	---
8	20.0	15.5	18.0	---	---	---	---	---	---	---	---	---
9	19.5	15.5	17.5	---	---	---	---	---	---	---	---	---
10	19.0	15.0	17.0	---	---	---	---	---	---	---	---	---
11	19.0	15.0	17.0	---	---	---	---	---	---	---	---	---
12	18.0	14.5	16.5	---	---	---	---	---	---	---	---	---
13	19.5	14.0	16.5	---	---	---	---	---	---	---	---	---
14	20.5	15.5	18.0	---	---	---	---	---	---	---	---	---
15	22.0	16.0	18.5	---	---	---	---	---	---	---	---	---
16	22.5	16.5	19.0	---	---	---	---	---	---	---	---	---
17	22.0	17.0	19.0	---	---	---	---	---	---	---	---	---
18	21.0	17.0	18.5	---	---	---	---	---	---	---	---	---
19	19.0	16.0	17.5	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	22.5	14.0	17.5	---	---	---	---	---	---	---	---	---
YEAR	22.5	0.0	5.3									

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10316500 LAMOILLE CREEK NEAR LAMOILLE, NV

LOCATION.--Lat 40°41'27", long 115°28'34" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 06, T.32 N., R.58 E., Elko County, Hydrologic Unit 16040101, in Humboldt National Forest, at the mouth of Lamoille Canyon, on right bank, 100 ft upstream from McDermott ditch diversion, and 3 mi south of Lamoille.

DRAINAGE AREA.--24.9 mi^2.

PERIOD OF RECORD.--May 1915 to May 1923, October 1943 to current year.

REVISED RECORDS.--WDR NV-99-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,240 ft above National Geodetic Vertical Datum of 1929, from topographic map. May 1915 to May 1923, non-recording gage at various sites 350 ft downstream at different datums. October 1, 1943 to January 16, 1975, water-stage recorder at site 600 ft downstream at datum 4.28 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 838 ft^3/s, June 3, 1986, gage height, 6.08 ft, maximum gage height, 6.11 ft, June 3, 1995; minimum daily, 1.5 ft^3/s, January 12, 1963.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 310 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 6	2030	*281	*4.04				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	3.9	2.8	e3.0	e3.5	e4.5	30	64	129	73	14	6.5
2	4.2	e4.0	2.7	e3.0	e3.0	4.7	29	77	152	68	14	6.4
3	4.4	3.9	2.7	e3.0	e3.0	4.8	30	91	185	69	13	6.9
4	4.4	4.0	3.0	e3.0	e3.0	4.7	33	113	214	69	12	6.7
5	4.2	3.8	3.0	e3.0	e3.0	4.9	39	132	217	67	11	6.3
6	4.2	e4.0	3.1	e3.0	e3.0	4.7	46	151	215	64	11	6.0
7	4.2	e4.0	3.5	e3.0	e3.0	4.7	46	155	212	61	10	5.7
8	4.1	3.5	3.4	3.6	e3.0	5.2	47	157	192	58	9.5	5.5
9	4.0	3.8	e3.5	3.5	e3.0	5.8	47	153	167	52	9.0	5.3
10	4.1	3.5	3.5	3.5	e3.0	6.5	46	148	148	47	8.6	5.1
11	4.2	4.1	3.2	3.5	e3.0	6.8	45	135	125	42	8.2	5.0
12	4.2	3.7	3.3	e3.5	e3.0	7.6	47	119	113	39	7.7	4.9
13	4.2	3.4	3.2	e3.5	e3.0	8.5	51	107	116	38	7.4	4.9
14	4.2	3.3	3.6	e3.5	e3.0	9.4	52	102	127	38	7.5	4.9
15	4.2	3.2	3.6	e3.5	e3.0	9.8	47	101	135	38	7.8	5.0
16	4.4	3.3	e3.5	3.8	e3.5	10	45	102	137	35	9.4	4.8
17	4.4	3.5	e3.5	e3.5	e4.0	11	45	111	137	34	13	4.6
18	4.4	3.3	e3.5	e3.0	4.4	12	43	123	135	32	11	4.4
19	4.3	3.1	e3.5	e3.0	4.3	14	41	123	137	31	9.7	5.4
20	4.2	3.2	3.4	e3.0	e4.0	15	40	123	135	34	9.9	5.6
21	4.1	3.2	3.2	e3.0	e4.0	17	41	123	127	31	9.6	5.2
22	4.2	e3.5	3.3	e3.0	e4.0	20	39	114	119	27	8.9	5.1
23	4.2	e3.5	e3.5	e3.0	4.1	23	39	105	121	25	11	5.0
24	4.3	e3.5	3.3	e3.0	4.0	25	40	99	121	23	10	5.0
25	4.3	e3.5	e3.0	e3.0	4.1	27	42	97	116	21	8.8	4.9
26	4.2	3.3	e3.0	e3.0	4.8	28	49	97	106	21	9.0	4.9
27	4.2	3.2	e3.0	e3.5	4.2	26	61	118	101	19	9.0	4.8
28	4.2	3.2	e3.0	3.8	4.1	24	68	170	94	18	8.3	4.8
29	4.2	3.3	e3.0	3.7	e4.5	24	60	142	87	17	7.7	5.0
30	4.5	3.1	e3.0	3.8	---	25	58	125	80	15	7.5	5.3
31	4.2	---	e3.0	3.9	---	26	---	121	---	15	7.0	---
TOTAL	131.0	105.8	99.8	102.1	103.5	419.6	1,346	3,698	4,200	1,221	300.5	159.9
MEAN	4.23	3.53	3.22	3.29	3.57	13.5	44.9	119	140	39.4	9.69	5.33
MAX	4.5	4.1	3.6	3.9	4.8	28	68	170	217	73	14	6.9
MIN	3.9	3.1	2.7	3.0	3.0	4.5	29	64	80	15	7.0	4.4
AC-FT	260	210	198	203	205	832	2,670	7,330	8,330	2,420	596	317

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2004, BY WATER YEAR (WY)

MEAN	7.36	6.30	5.45	5.09	5.29	7.98	26.6	143	214	83.6	17.1	7.94
MAX	49.1	29.4	17.5	12.9	12.4	20.0	71.4	303	396	203	65.1	42.4
(WY)	(1983)	(1983)	(1983)	(1997)	(1971)	(1989)	(1989)	(1997)	(1997)	(1975)	(1984)	(1982)
MIN	2.61	2.68	2.60	2.00	2.18	3.06	5.37	48.2	44.9	14.4	4.39	3.07
(WY)	(2002)	(2002)	(1988)	(1917)	(2001)	(1955)	(1955)	(1953)	(1992)	(2001)	(2001)	(2001)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1915 - 2004	
ANNUAL TOTAL	14,022.7		11,887.2			
ANNUAL MEAN	38.4		32.5		44.5	
HIGHEST ANNUAL MEAN					77.7	1997
LOWEST ANNUAL MEAN					20.5	1959
HIGHEST DAILY MEAN	626	May 30	217	Jun 5	693	May 30, 1983
LOWEST DAILY MEAN	2.7	Dec 2	2.7	Dec 2	1.5	Jan 12, 1963
ANNUAL SEVEN-DAY MINIMUM	2.9	Nov 30	2.9	Nov 30	1.7	Feb 11, 2001
MAXIMUM PEAK FLOW			281	Jun 4	838	Jun 3, 1986
MAXIMUM PEAK STAGE			4.04	Jun 4	6.11	Jun 3, 1995
ANNUAL RUNOFF (AC-FT)	27,810		23,580		32,230	
10 PERCENT EXCEEDS	115		120		155	
50 PERCENT EXCEEDS	5.2		5.6		8.3	
90 PERCENT EXCEEDS	3.3		3.0		3.5	

e Estimated

HUMBOLDT RIVER BASIN, NORTH FORK HUMBOLDT RIVER BASIN

10317500 NORTH FORK HUMBOLDT RIVER AT DEVILS GATE NEAR HALLECK, NV

LOCATION.--Lat 41°10'43.51", long 115°29'33.27" referenced to North American Datum of 1983, in SE ¼ SE ¼ sec. 13, T.38 N., R.57 E., Elko County, Hydrologic Unit 16040102, on right bank, 0.4 mi downstream of Devils Gate, 16 mi north of Halleck, and 26 mi upstream of mouth.

DRAINAGE AREA.--830 mi^2.

PERIOD OF RECORD.--October 1913 to December 1921, October 1943 to September 1982, June 2002 to current year.

REVISED RECORDS.--WSP 1714: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,370 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to reestablishment in June 2002, gage at several sites and different datums within 0.1 mi upstream from present location. See WDR NV-82-1 for history of changes prior to June 2002.

REMARKS.--Records good except for estimated daily discharges, which are poor. Many diversions for irrigation of 16,600 acres above station. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft^3/s, February 11, 1962, gage height, 16.12 ft, datum then in use; minimum daily, 2.0 ft^3/s, August 14-16, 19, 20, 22, 1948 and July 28, 29, August 17, 1959.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 65 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
March 20	1730	*365	*14.27	May 12	2245	91	13.00
April 8	0115	214	13.72	May 30	1800	106	13.12
April 18	1145	181	13.57	June 12	2300	73	12.84

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	11	17	e18	e20	31	143	56	71	18	10	9.5
2	9.0	e12	17	e17	e20	31	141	51	54	19	9.9	8.9
3	9.1	12	18	e17	e20	31	128	38	44	19	8.9	8.6
4	9.4	12	16	e16	e20	31	130	30	40	20	8.0	8.6
5	9.2	12	18	e16	e19	29	132	27	40	23	7.3	8.6
6	9.3	e12	17	e17	e18	30	146	40	41	23	6.9	8.6
7	9.7	e12	20	e18	e19	31	193	61	43	22	6.6	8.5
8	9.7	12	e17	e19	e20	33	200	73	41	20	6.0	8.4
9	9.5	13	e16	e20	e20	36	181	63	44	19	5.7	8.3
10	9.2	14	e18	e20	e19	36	164	67	50	18	5.6	8.2
11	9.2	13	e17	e20	e18	40	155	73	54	17	e5.5	8.2
12	9.5	12	e17	e20	e18	53	146	83	66	16	e5.4	8.1
13	9.6	13	20	e20	e17	75	139	88	68	15	e5.3	8.1
14	9.9	13	22	e20	e17	99	136	83	54	14	e5.1	7.9
15	10	13	e20	e20	e17	127	134	68	44	14	e4.9	7.8
16	10	13	e19	e20	e18	158	126	60	38	13	4.8	7.9
17	10	14	e19	e20	e19	195	143	54	32	14	4.8	8.0
18	10	13	e21	e20	e22	210	169	48	26	16	6.1	8.1
19	10	13	e22	e20	e24	250	150	41	24	16	8.9	12
20	10	14	23	e20	25	317	135	38	23	15	13	13
21	10	14	21	e20	26	294	119	41	21	15	14	12
22	10	e13	20	e20	22	299	124	47	19	15	14	13
23	10	e12	e19	e20	24	287	123	55	18	14	13	13
24	10	e13	20	e20	26	292	100	61	17	13	12	13
25	10	e14	20	e20	30	258	82	65	17	13	12	13
26	10	e14	e18	e21	32	236	71	59	17	13	11	12
27	11	e14	e17	e21	31	202	61	53	16	12	11	11
28	11	e14	e17	e22	31	174	56	55	17	12	11	9.9
29	11	16	e17	e24	31	154	60	71	19	11	11	10
30	12	18	e17	e23	---	145	62	99	19	11	11	11
31	12	---	e18	e21	---	145	---	91	---	11	10	---
TOTAL	308.2	395	578	610	643	4,329	3,849	1,839	1,077	491	268.7	293.2
MEAN	9.94	13.2	18.6	19.7	22.2	140	128	59.3	35.9	15.8	8.67	9.77
MAX	12	18	23	24	32	317	200	99	71	23	14	13
MIN	8.9	11	16	16	17	29	56	27	16	11	4.8	7.8
AC-FT	611	783	1,150	1,210	1,280	8,590	7,630	3,650	2,140	974	533	582

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2004, BY WATER YEAR (WY)

MEAN	12.3	17.2	20.2	37.2	65.9	134	220	192	131	29.2	9.29	8.60
MAX	21.8	31.1	58.0	241	434	513	1,046	732	390	136	36.4	24.6
(WY)	(1973)	(1971)	(1965)	(1971)	(1962)	(1972)	(1952)	(1952)	(1975)	(1975)	(1965)	(1982)
MIN	6.90	7.56	7.39	8.90	11.4	18.5	25.6	9.60	6.06	3.38	2.75	3.50
(WY)	(1949)	(1962)	(1977)	(1977)	(1955)	(1981)	(1968)	(1968)	(1966)	(1959)	(1948)	(1919)

10317500 NORTH FORK HUMBOLDT RIVER AT DEVILS GATE NEAR HALLECK, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1914 - 2004	
ANNUAL TOTAL	7,883.0		14,681.1			
ANNUAL MEAN	21.6		40.1		73.1	
HIGHEST ANNUAL MEAN					198	1952
LOWEST ANNUAL MEAN					13.2	1955
HIGHEST DAILY MEAN	99	May 10	317	Mar 20	3,850	Feb 12, 1962
LOWEST DAILY MEAN	2.6	Aug 16	4.8	Aug 16	2.0	Aug 14, 1948
ANNUAL SEVEN-DAY MINIMUM	2.7	Aug 14	5.1	Aug 11	2.1	Aug 14, 1948
MAXIMUM PEAK FLOW			365	Mar 20	365	Mar 20, 2004
MAXIMUM PEAK STAGE			14.27	Mar 20	14.27	Mar 20, 2004
ANNUAL RUNOFF (AC-FT)	15,640		29,120		52,950	
10 PERCENT EXCEEDS	45		126		220	
50 PERCENT EXCEEDS	17		19		20	
90 PERCENT EXCEEDS	5.3		9.1		6.5	

e Estimated

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10318500 HUMBOLDT RIVER NEAR ELKO, NV

LOCATION.--Lat 40°56'10", long 115°37'25" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec. 11, T.35 N., R.56 E., Elko County, Hydrologic Unit 16040101, on right bank, 1 mi southwest of Ryndon, 1.5 mi upstream from Jackson Creek, 5 mi downstream from confluence of North Fork Humboldt River, 10 mi northeast of Elko, and at mi 381.71 above Derby Road bridge.

DRAINAGE AREA.--2,778.8 mi^2.

PERIOD OF RECORD.--June 1895 to October 1902, October 1944 to current year.

REVISED RECORDS.--WSP 1714: Drainage area. WDR NV-99-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,142.32 ft above sea level. June 1895 to October 1902, nonrecording gage at site 11 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of 95,800 acres above station. No flow some years during summer months. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,200 ft^3/s, February 19, 1986, gage height, 7.64 ft; maximum gage height 12.30 ft, February 13, 1962; no flow at times some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,000 ft^3/s, May 30, gage height, 5.92 ft; minimum daily discharge, 1.5 ft^3/s, October 1, 2, 3, 7.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.7	11	e21	e28	71	290	177	462	135	7.5	4.9
2	1.5	1.7	11	e21	e30	64	300	160	373	117	6.9	4.4
3	1.5	1.8	10	e21	e31	75	297	157	335	110	6.5	4.2
4	1.7	1.8	11	e21	e31	73	283	147	320	109	5.6	4.2
5	1.6	1.7	12	e21	e31	80	287	109	313	99	5.0	4.0
6	1.6	1.7	13	e21	e31	79	295	137	353	87	4.6	3.7
7	1.5	1.9	14	e21	e31	92	347	191	406	76	4.3	3.5
8	1.6	2.0	14	e22	e31	102	417	284	414	68	4.0	3.5
9	1.6	2.4	e10	e22	30	111	433	319	413	61	3.7	3.3
10	1.6	2.3	e10	e22	e31	129	414	326	415	55	3.4	3.1
11	1.7	2.3	e11	e22	e31	148	408	323	443	48	3.1	2.9
12	1.7	2.3	13	e22	e31	150	397	416	463	43	2.9	2.7
13	1.8	2.7	15	e22	e31	161	390	449	420	38	2.7	2.6
14	1.8	2.9	14	e22	e31	189	377	466	348	33	2.6	2.5
15	1.8	3.0	9.5	e22	e31	228	362	446	269	31	2.7	2.3
16	1.9	3.4	e10	e23	31	258	340	370	232	27	2.8	2.3
17	2.0	3.9	e10	e23	33	303	358	304	218	26	3.4	2.1
18	2.0	4.1	e11	e23	35	333	389	274	210	26	3.4	2.1
19	1.8	4.6	e12	e23	40	350	396	313	205	24	3.3	3.5
20	1.8	5.2	13	e23	e43	381	373	284	197	24	3.3	4.2
21	1.8	5.4	e13	e23	e47	419	335	256	187	22	2.9	4.6
22	1.7	4.7	e14	e23	e50	413	326	287	178	19	2.7	5.6
23	1.7	4.1	e14	e23	54	427	330	375	173	16	3.5	7.6
24	1.6	3.9	e15	e23	58	425	302	494	155	15	3.5	8.4
25	1.6	4.1	e16	e24	66	430	265	481	155	14	3.6	9.4
26	1.6	4.6	16	e24	63	409	235	397	134	14	4.2	9.7
27	1.7	4.2	e17	e24	64	390	214	354	144	13	4.3	9.7
28	1.7	5.4	e18	e24	65	346	192	359	149	11	4.8	9.6
29	1.7	7.5	e19	21	70	323	170	534	145	10	5.1	10
30	1.7	10	e20	e24	---	308	181	863	153	8.9	5.3	11
31	1.7	---	e21	e26	---	294	---	584	---	7.8	5.3	---
TOTAL	52.5	107.3	417.5	697	1,179	7,561	9,703	10,636	8,382	1,387.7	126.9	151.6
MEAN	1.69	3.58	13.5	22.5	40.7	244	323	343	279	44.8	4.09	5.05
MAX	2.0	10	21	26	70	430	433	863	463	135	7.5	11
MIN	1.5	1.7	9.5	21	28	64	170	109	134	7.8	2.6	2.1
AC-FT	104	213	828	1,380	2,340	15,000	19,250	21,100	16,630	2,750	252	301

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1895 - 2004, BY WATER YEAR (WY)

MEAN	25.2	49.4	62.6	94.3	190	357	510	658	783	192	24.5	11.0
MAX	211	330	358	389	1,295	1,708	2,583	3,592	2,831	1,142	319	107
(WY)	(1983)	(1900)	(1984)	(1980)	(1986)	(1983)	(1984)	(1984)	(1984)	(1984)	(1984)	(1899)
MIN	1.02	1.32	4.30	3.65	8.54	63.6	65.3	46.1	9.60	2.35	0.50	0.63
(WY)	(1955)	(1955)	(1960)	(1960)	(1955)	(2003)	(1992)	(1959)	(1992)	(1954)	(1954)	(1955)

10318500 HUMBOLDT RIVER NEAR ELKO, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1895 - 2004	
ANNUAL TOTAL	40,735.61		40,401.5			
ANNUAL MEAN	112		110		246	
HIGHEST ANNUAL MEAN					1,101	1984
LOWEST ANNUAL MEAN					35.6	1961
HIGHEST DAILY MEAN	1,790	Jun 2	863	May 30	6,530	Mar 4, 1983
LOWEST DAILY MEAN	0.88	Aug 17	1.5	Oct 1	0.00	Aug 6, 1900
ANNUAL SEVEN-DAY MINIMUM	0.93	Aug 14	1.6	Oct 1	0.00	Aug 6, 1900
MAXIMUM PEAK FLOW			1,000	May 30	7,200	Feb 19, 1986
MAXIMUM PEAK STAGE			5.92	May 30	12.30	Feb 13, 1962
ANNUAL RUNOFF (AC-FT)	80,800		80,140		178,200	
10 PERCENT EXCEEDS	213		374		714	
50 PERCENT EXCEEDS	21		23		70	
90 PERCENT EXCEEDS	1.4		2.0		2.0	

e Estimated

HUMBOLDT RIVER BASIN, SOUTH FORK HUMBOLDT RIVER BASIN

10319900 SOUTH FORK HUMBOLDT RIVER ABOVE TENMILE CREEK NEAR ELKO, NV

LOCATION (REVISED).--Lat 40°37'38.99", long 115°43'49.88" referenced to North American Datum of 1983, in NE ¼ SW ¼ sec. 25, T.32 N., R.55 E., Elko County, Hydrologic Unit 16040103, on right bank, 5 mi above South Fork Dam, and 19.5 mi southeast of Elko.

DRAINAGE AREA.--898 mi^2.

PERIOD OF RECORD.--February 1989 to current year.

REVISIONS.--NV-92-1:1991.

GAGE.--Water-stage recorder. Elevation of gage is 5,280 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges and periods of beaver activity October to February 20, which are poor. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,710 ft^3/s, June 3, 1995, gage height, 5.82 ft; minimum daily, 1.6 ft^3/s, August 18-21, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 410 ft^3/s, May 28, gage height, 2.35 ft; minimum daily discharge, 2.5 ft^3/s, September 12, 13.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	7.7	e11	15	e20	e30	124	150	268	90	14	4.2
2	4.2	7.8	10	17	e20	e30	125	160	284	86	14	3.5
3	3.7	8.9	10	e15	e20	e30	128	183	320	87	11	4.0
4	3.4	9.7	9.5	e13	e20	32	131	225	347	89	9.9	5.2
5	3.5	10	11	12	e20	31	137	262	364	84	9.4	5.7
6	3.5	10	12	13	e20	33	152	282	365	77	8.7	5.4
7	3.2	10	13	16	e20	40	165	304	366	70	8.0	4.5
8	3.4	11	15	18	e20	45	162	322	350	66	6.8	3.3
9	3.6	12	10	18	e20	54	156	335	324	62	6.6	3.0
10	4.3	12	12	19	e20	70	152	347	334	60	6.0	2.9
11	5.0	11	15	17	e20	80	147	330	295	60	4.2	2.8
12	5.4	9.7	13	16	e20	81	147	313	270	58	3.2	2.5
13	6.0	12	17	e16	e20	88	150	284	244	52	3.0	2.5
14	6.6	11	15	e16	e20	92	143	260	233	36	3.1	3.1
15	6.3	11	12	e16	e20	96	138	244	231	33	5.0	3.2
16	6.4	11	8.4	e16	e20	97	133	233	215	31	9.2	3.1
17	6.7	11	11	e16	e21	98	143	235	206	30	11	3.2
18	6.7	10	9.9	e16	e22	102	145	245	193	35	12	3.6
19	6.9	8.5	10	e16	e24	107	136	240	184	33	11	4.0
20	6.7	8.0	15	e16	e25	109	126	244	175	34	11	3.9
21	6.8	8.2	18	e16	e26	117	129	258	167	33	8.4	4.5
22	6.5	6.3	15	e16	e27	129	137	258	155	32	7.5	3.8
23	6.5	4.8	12	e16	27	134	136	249	150	33	7.5	3.3
24	6.2	7.4	15	e16	27	138	137	239	147	31	9.7	3.1
25	6.2	9.3	17	e16	28	136	141	227	140	24	9.4	2.9
26	6.3	9.7	13	e16	31	145	145	221	132	23	9.6	2.8
27	6.3	e10	e11	e17	31	132	156	229	122	23	13	2.8
28	6.0	e10	e8.5	e18	27	119	167	335	113	22	12	2.8
29	5.7	e11	e7.0	e18	e30	115	158	349	106	19	8.0	3.5
30	6.2	e11	5.7	e19	---	114	150	304	96	18	6.0	5.2
31	6.7	---	9.6	e20	---	111	---	273	---	17	5.2	---
TOTAL	168.7	290.0	371.6	505	666	2,735	4,296	8,140	6,896	1,448	263.4	108.3
MEAN	5.44	9.67	12.0	16.3	23.0	88.2	143	263	230	46.7	8.50	3.61
MAX	6.9	12	18	20	31	145	167	349	366	90	14	5.7
MIN	3.2	4.8	5.7	12	20	30	124	150	96	17	3.0	2.5
AC-FT	335	575	737	1,000	1,320	5,420	8,520	16,150	13,680	2,870	522	215

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	11.1	17.5	16.8	27.7	46.1	91.0	143	383	434	109	14.4	7.24
MAX	34.0	44.2	31.1	73.2	148	189	266	689	1,096	453	48.0	19.3
(WY)	(1999)	(1999)	(1997)	(1997)	(1996)	(1996)	(1996)	(1998)	(1998)	(1998)	(1995)	(1998)
MIN	4.09	9.33	9.26	10.0	18.6	21.5	29.2	119	43.1	8.54	2.21	2.78
(WY)	(2002)	(2002)	(1990)	(1990)	(1994)	(1991)	(1991)	(1991)	(1992)	(1992)	(2002)	(1992)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	29,308.9		25,888.0			
ANNUAL MEAN	80.3		70.7		110	
HIGHEST ANNUAL MEAN					239	1998
LOWEST ANNUAL MEAN					36.1	1992
HIGHEST DAILY MEAN	1,480	May 31	366	Jun 7	2,010	Jun 3, 1995
LOWEST DAILY MEAN	3.2	Oct 7	2.5	Sep 12	1.6	Aug 18, 2002
ANNUAL SEVEN-DAY MINIMUM	3.5	Oct 3	2.9	Sep 9	1.7	Aug 16, 2002
MAXIMUM PEAK FLOW			410	May 28	2,710	Jun 3, 1995
MAXIMUM PEAK STAGE			2.35	May 28	5.82	Jun 3, 1995
ANNUAL RUNOFF (AC-FT)	58,130		51,350		79,330	
10 PERCENT EXCEEDS	195		234		297	
50 PERCENT EXCEEDS	17		18		25	
90 PERCENT EXCEEDS	4.8		4.2		5.8	

e Estimated

HUMBOLDT RIVER BASIN, SOUTH FORK HUMBOLDT RIVER BASIN

10320000 SOUTH FORK HUMBOLDT RIVER ABOVE DIXIE CREEK NEAR ELKO, NV

LOCATION.--Lat 40°41'06", long 115°48'45" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec. 05, T.32 N., R.55 E., Elko County, Hydrologic Unit 16040103, on left bank, 1.5 mi upstream from Dixie Creek, and 10.5 mi south of Elko.

DRAINAGE AREA.--1,150 mi^2.

PERIOD OF RECORD.--October 1948 to September 1982, July 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,140 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by South Fork Reservoir, approximately 2.0 mi upstream, since December, 1987. Diversions for irrigation are above the dam. Records not adjusted for storage. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to dam, 3,100 ft^3/s, January 12, 1979, gage height, 6.80 ft; maximum discharge after dam, 1,600 ft^3/s, June 6, 1995, gage height, 5.14 ft; minimum daily prior to dam, 0.10 ft^3/s, September 9, 1959; minimum daily after dam, 1.7 ft^3/s, September 15, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 331 ft^3/s, May 10, June 7, 8, 9, gage height, 3.51 ft; minimum daily discharge, 2.4 ft^3/s, August 24.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	5.8	6.4	4.6	e3.5	7.1	134	173	260	76	24	2.8
2	6.1	5.7	6.1	e4.1	e3.5	8.0	114	173	249	70	23	2.6
3	6.1	5.7	6.1	e4.1	e3.5	15	114	176	278	59	8.7	2.6
4	5.8	5.7	6.1	e4.1	e3.5	36	113	181	304	61	e3.5	2.7
5	5.7	5.7	6.2	e4.1	e3.5	36	124	211	303	62	e3.5	2.9
6	5.4	5.7	6.4	e4.1	e3.5	38	163	248	303	63	e3.5	3.0
7	5.3	5.7	6.4	e5.1	e3.5	39	194	287	317	65	e3.5	3.0
8	5.0	5.7	6.1	6.1	e3.5	41	191	307	326	68	e3.5	2.9
9	4.7	5.7	5.7	5.8	e3.5	42	184	307	326	53	e3.5	2.8
10	4.7	5.8	5.9	6.6	e3.5	61	173	318	326	37	e3.5	2.8
11	4.7	6.0	6.0	6.6	e3.5	80	171	324	326	38	e3.5	2.5
12	4.9	6.2	5.8	5.4	e3.5	80	159	299	326	39	3.6	2.5
13	4.8	6.5	6.4	5.1	e3.5	80	150	266	326	41	3.7	2.6
14	4.0	6.4	6.1	4.6	e3.5	81	143	227	307	42	3.8	2.7
15	4.8	6.6	5.2	e4.0	e3.5	81	134	188	249	44	4.4	2.8
16	4.8	6.8	5.6	e3.5	e3.5	90	134	190	202	41	4.1	2.7
17	5.0	6.6	5.3	e3.5	e3.5	104	137	193	181	37	4.3	2.5
18	5.1	6.4	5.4	e3.5	3.6	104	136	224	180	38	4.2	2.5
19	5.5	6.4	5.5	e3.5	3.5	121	135	250	180	40	4.6	3.6
20	5.4	6.4	6.0	e3.5	3.7	137	134	228	180	41	4.4	3.8
21	5.7	6.6	5.8	e3.5	3.9	137	133	205	182	42	4.4	3.3
22	6.1	6.4	5.7	e3.5	3.9	137	131	208	167	44	4.3	2.9
23	5.9	6.1	5.9	e3.5	3.9	137	131	210	150	44	4.1	3.0
24	5.9	6.1	5.8	e3.5	4.0	137	131	209	148	43	2.4	2.9
25	5.9	6.3	6.3	e3.5	4.2	136	131	209	125	42	2.5	3.0
26	5.9	6.5	5.8	e3.5	4.6	137	132	208	102	33	2.5	3.0
27	5.8	6.3	e5.0	e3.5	5.0	137	135	205	103	23	3.1	3.0
28	5.9	6.1	e4.6	e3.5	5.7	137	156	215	102	23	3.5	3.0
29	5.8	6.3	4.1	e3.5	6.7	140	173	265	89	23	3.6	3.2
30	5.9	6.3	4.4	e3.5	---	143	173	275	77	24	3.4	3.2
31	6.1	---	5.8	e3.5	---	144	---	273	---	24	3.0	---
TOTAL	169.2	184.5	177.9	130.4	112.2	2,803.1	4,363	7,252	6,694	1,380	157.6	86.8
MEAN	5.46	6.15	5.74	4.21	3.87	90.4	145	234	223	44.5	5.08	2.89
MAX	6.5	6.8	6.4	6.6	6.7	144	194	324	326	76	24	3.8
MIN	4.0	5.7	4.1	3.5	3.5	7.1	113	173	77	23	2.4	2.5
AC-FT	336	366	353	259	223	5,560	8,650	14,380	13,280	2,740	313	172

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	12.2	13.7	18.1	25.0	42.2	98.7	138	337	427	112	23.7	11.4
MAX	26.5	39.2	47.7	102	138	244	311	661	1,068	518	103	26.8
(WY)	(1999)	(1999)	(1999)	(1997)	(1996)	(1996)	(1996)	(1998)	(1998)	(1998)	(1997)	(1997)
MIN	4.55	5.69	5.60	4.21	3.87	24.4	36.8	105	27.8	8.60	5.08	2.89
(WY)	(1991)	(2003)	(2003)	(2004)	(2004)	(1991)	(1991)	(1991)	(1992)	(1992)	(2004)	(2004)

10320000 SOUTH FORK HUMBOLDT RIVER ABOVE DIXIE CREEK NEAR ELKO, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	28,560.0		23,510.7			
ANNUAL MEAN	78.2		64.2		105	
HIGHEST ANNUAL MEAN					235	1998
LOWEST ANNUAL MEAN					36.1	1992
HIGHEST DAILY MEAN	914	May 31	326	Jun 8	1,500	Jun 6, 1995
LOWEST DAILY MEAN	4.0	Oct 14	2.4	Aug 24	1.7	Sep 15, 1988
ANNUAL SEVEN-DAY MINIMUM	4.7	Oct 9	2.6	Sep 11	2.6	Aug 26, 1988
MAXIMUM PEAK FLOW			331	May 10	1,600	Jun 6, 1995
MAXIMUM PEAK STAGE			3.51	May 10	5.14	Jun 6, 1995
ANNUAL RUNOFF (AC-FT)	56,650		46,630		76,180	
10 PERCENT EXCEEDS	139		208		286	
50 PERCENT EXCEEDS	6.5		6.1		24	
90 PERCENT EXCEEDS	5.4		3.5		6.3	

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1982, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	15.2	24.1	29.0	44.7	61.4	88.0	157	360	466	130	19.6	11.4
MAX	41.3	46.4	75.3	177	238	180	633	845	1,054	507	77.3	66.6
(WY)	(1977)	(1971)	(1951)	(1979)	(1962)	(1972)	(1952)	(1952)	(1975)	(1975)	(1965)	(1982)
MIN	3.83	5.82	10.2	9.00	11.0	27.5	29.9	55.7	65.2	5.75	.76	1.20
(WY)	(1955)	(1955)	(1955)	(1955)	(1955)	(1963)	(1959)	(1959)	(1966)	(1966)	(1959)	(1954)

SUMMARY STATISTICS	WATER YEARS 1949 - 1982	
ANNUAL MEAN	117	
HIGHEST ANNUAL MEAN	227	1975
LOWEST ANNUAL MEAN	27.9	1959
HIGHEST DAILY MEAN	2,400	Feb 11, 1962
LOWEST DAILY MEAN	.10	Sep 9, 1959
ANNUAL SEVEN-DAY MINIMUM	.19	Sep 5, 1959
MAXIMUM PEAK FLOW	3,100	Jan 12, 1979
MAXIMUM PEAK STAGE	6.80	Jan 12, 1979
ANNUAL RUNOFF (AC-FT)	84,800	
10 PERCENT EXCEEDS	345	
50 PERCENT EXCEEDS	37	
90 PERCENT EXCEEDS	7.7	

10321000 HUMBOLDT RIVER NEAR CARLIN, NV

LOCATION.--Lat 40°43'40", long 116°00'30" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 21, T.33 N., R.53 E., Elko County, Hydrologic Unit 16040101, on right bank, 1.0 mi downstream from Tonka Creek, 5 mi upstream from Susie Creek, 5.5 mi east of Carlin, 15 mi southwest of Elko, and at mi 335.73 above Derby Road bridge.

DRAINAGE AREA.--4,310 mi^2.

PERIOD OF RECORD.--October 1943 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,931.91 ft above National Geodetic Vertical Datum of 1929 (levels by Nevada State Highway Department).

REMARKS.--Records fair except for estimated daily discharges, which are poor. Many diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,250 ft^3/s, May 17, 1984, gage height, 10.04 ft, maximum gage height, 10.21 ft, February 14, 1962; minimum daily, 0.20 ft^3/s, August 13, 1959.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of February 28, 1910, estimated to have reached 15,000 ft^3/s, based on reported stage and comparison with Humboldt River at Palisade. See schematic diagram of Humboldt River Basin.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 767 ft^3/s, June 1, gage height, 3.52 ft; minimum daily discharge, 5.0 ft^3/s, August 17.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	11	16	27	e32	128	425	326	736	206	31	11
2	14	12	16	e27	e32	129	397	326	641	194	31	11
3	13	12	15	e27	e32	129	396	317	584	173	30	11
4	12	13	15	e27	e32	137	391	282	577	157	22	11
5	12	13	17	e27	e32	133	383	296	553	148	19	12
6	13	14	19	e27	e33	134	411	287	535	140	17	12
7	13	12	20	e28	e33	139	486	306	545	131	16	12
8	12	12	22	e28	e34	149	520	339	591	124	16	12
9	11	14	23	e28	e34	169	564	356	605	118	16	12
10	11	16	e24	e29	e35	181	555	402	610	98	13	12
11	12	15	e25	e29	e37	228	550	462	617	86	12	11
12	12	15	27	e29	e39	257	531	498	622	79	11	9.9
13	11	17	e27	e29	e41	267	500	500	625	72	11	9.8
14	12	18	e27	e29	e43	286	490	493	606	67	9.7	10
15	12	15	e27	e29	e46	312	451	461	537	64	5.2	10
16	10	15	e27	e29	e49	335	430	452	430	62	5.3	10
17	9.4	16	e27	e29	e54	371	440	431	376	63	5.0	9.8
18	7.0	15	e27	e29	e59	411	446	397	347	57	5.2	9.6
19	8.4	17	e28	e29	e67	447	454	407	331	50	7.2	15
20	9.1	14	28	e29	e74	483	468	389	319	54	15	14
21	9.7	14	e27	e30	e81	503	474	343	311	53	14	11
22	9.5	14	e27	e30	e94	536	459	345	311	44	13	9.9
23	8.3	e14	e27	e31	e105	524	439	355	277	43	12	10
24	8.5	e14	e27	e31	e117	521	426	391	266	52	13	10
25	8.7	e15	e27	e31	e121	508	402	431	256	50	12	11
26	8.9	e15	e27	e31	131	519	375	460	231	48	12	11
27	9.3	e15	e27	e31	138	499	346	469	221	45	13	12
28	9.5	e15	e27	e31	134	485	325	489	227	38	12	14
29	10	16	e27	e31	129	462	343	533	224	37	13	16
30	11	17	e27	e31	---	451	330	601	209	34	13	18
31	11	---	e27	e31	---	432	---	702	---	32	12	---
TOTAL	335.3	435	754	904	1,888	10,265	13,207	12,846	13,320	2,619	436.6	348.0
MEAN	10.8	14.5	24.3	29.2	65.1	331	440	414	444	84.5	14.1	11.6
MAX	17	18	28	31	138	536	564	702	736	206	31	18
MIN	7.0	11	15	27	32	128	325	282	209	32	5.0	9.6
AC-FT	665	863	1,500	1,790	3,740	20,360	26,200	25,480	26,420	5,190	866	690

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2004, BY WATER YEAR (WY)

MEAN	42.9	72.1	93.7	135	258	498	696	968	1,219	338	51.4	25.8
MAX	331	361	625	452	1,324	2,190	3,684	5,728	4,875	1,908	492	154
(WY)	(1983)	(1984)	(1984)	(1984)	(1986)	(1983)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)
MIN	1.80	5.48	7.11	10.0	22.3	92.1	108	78.8	41.0	6.96	0.92	0.52
(WY)	(1955)	(1955)	(1955)	(1955)	(1955)	(2003)	(1959)	(1959)	(1992)	(1966)	(1959)	(1954)

10321000 HUMBOLDT RIVER NEAR CARLIN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1944 - 2004	
ANNUAL TOTAL	56,253.7		57,357.9			
ANNUAL MEAN	154		157		366	
HIGHEST ANNUAL MEAN					1,730	1984
LOWEST ANNUAL MEAN					63.6	1959
HIGHEST DAILY MEAN	1,870	Jun 4	736	Jun 1	8,090	May 18, 1984
LOWEST DAILY MEAN	7.0	Oct 18	5.0	Aug 17	0.20	Aug 13, 1959
ANNUAL SEVEN-DAY MINIMUM	8.6	Oct 18	6.9	Aug 13	0.30	Aug 11, 1959
MAXIMUM PEAK FLOW			767	Jun 1	8,250	May 17, 1984
MAXIMUM PEAK STAGE			3.52	Jun 1	10.21	Feb 14, 1962
ANNUAL RUNOFF (AC-FT)	111,600		113,800		265,000	
10 PERCENT EXCEEDS	333		487		1,050	
50 PERCENT EXCEEDS	43		31		111	
90 PERCENT EXCEEDS	12		11		14	

e Estimated

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10321590 SUSIE CREEK AT CARLIN, NV

LOCATION.--Lat 40°43'34", long 116°04'37" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec. 24, T.33 N., R.52 E., Elko County, Hydrologic Unit 16040101, on left bank, approximately 200 ft above westbound Interstate 80 bridge, and 1 mi north of Carlin.

DRAINAGE AREA.--194 mi^2.

PERIOD OF RECORD.--April 1992 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,910 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 561 ft^3/s, March 16, 1997, gage height, 6.56 ft; no flow many days, most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Discharge 2,470 ft^3/s, February 11, 1962, computed from culvert computations and floodmarks. Flood of February - March 1910 may have been higher but discharge is unknown.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 317 ft^3/s, March 19, gage height, 4.64 ft; minimum daily discharge, 0.00 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.00	e0.00	e3.0	e1.0	e1.5	e2.5	7.7	5.7	1.5	0.00	0.00	0.00
2	e0.00	e0.00	e2.0	e1.0	e1.5	e2.5	7.5	5.3	1.1	0.00	0.00	0.00
3	e0.00	e0.00	e1.0	e1.0	e1.5	e2.5	6.9	4.7	0.75	0.00	0.00	0.00
4	e0.00	e0.00	e1.0	e1.0	e1.5	e3.5	7.2	2.8	0.62	0.00	0.00	0.00
5	e0.00	e0.00	e1.0	e1.0	e1.5	e4.5	6.7	2.2	0.48	0.00	0.00	0.00
6	e0.00	0.00	e1.0	e1.0	e1.5	e5.5	8.5	2.7	0.29	0.00	0.00	0.00
7	e0.00	0.00	e1.0	e1.0	e1.5	e6.5	14	2.7	0.08	0.00	0.00	0.00
8	e0.00	0.00	e1.0	e1.0	e1.5	11	12	2.3	0.00	0.00	0.00	0.00
9	e0.00	0.00	e1.0	e1.5	e1.5	12	9.4	2.3	0.00	0.00	0.00	0.00
10	e0.00	0.26	e1.0	e1.5	e1.5	15	7.8	2.5	0.00	0.00	0.00	0.00
11	e0.00	1.8	e1.0	e1.5	e1.5	23	7.3	4.0	0.00	0.00	0.00	0.00
12	e0.00	1.9	e1.0	e1.5	e1.5	35	6.8	4.3	0.00	0.00	0.00	0.00
13	e0.00	2.0	e1.0	e1.5	e1.5	41	6.4	4.0	0.00	0.00	0.00	0.00
14	e0.00	0.94	e1.0	e1.5	e1.5	73	6.1	3.6	0.00	0.00	0.00	0.00
15	e0.00	0.74	e1.0	e1.5	e1.5	107	6.0	3.1	0.00	0.00	0.00	0.00
16	e0.00	1.5	e1.0	e1.5	e1.5	114	6.0	2.6	0.00	0.00	0.00	0.00
17	e0.00	1.8	e1.0	e1.5	e1.5	146	9.8	2.2	0.00	0.00	0.00	0.00
18	e0.00	1.9	e1.0	e1.5	e1.5	171	9.8	1.9	0.00	0.00	0.00	0.00
19	e0.00	1.9	e1.0	e1.5	e1.5	207	9.0	1.6	0.00	0.00	0.00	0.00
20	e0.00	2.0	e1.0	e1.5	e2.0	179	8.5	1.7	0.00	0.00	0.00	0.00
21	e0.00	2.3	e1.0	e1.5	e2.0	142	9.1	1.8	0.00	0.00	0.00	0.00
22	e0.00	2.4	e1.0	e1.5	e2.0	127	12	2.3	0.00	0.00	0.00	0.00
23	e0.00	1.6	e1.0	e1.5	e2.0	82	10	2.1	0.00	0.00	0.00	0.00
24	e0.00	e1.0	e1.0	e1.5	e2.0	76	8.1	2.1	0.00	0.00	0.00	0.00
25	e0.00	e1.0	e1.0	e1.5	e2.5	37	7.2	1.7	0.00	0.00	0.00	0.00
26	e0.00	e1.0	e1.0	e1.5	e2.5	31	6.6	1.5	0.00	0.00	0.00	0.00
27	e0.00	e1.0	e1.0	e1.5	e2.5	21	6.0	1.6	0.00	0.00	0.00	0.00
28	e0.00	e2.0	e1.0	e1.5	e2.5	14	5.7	2.9	0.00	0.00	0.00	0.00
29	e0.00	2.9	e1.0	e1.5	e2.5	11	6.2	4.1	0.00	0.00	0.00	0.00
30	e0.00	3.0	e1.0	e1.5	---	8.9	6.2	3.0	0.00	0.00	0.00	0.00
31	e0.00	---	e1.0	e1.5	---	8.1	---	2.2	---	0.00	0.00	---
TOTAL	0.00	34.94	34.0	42.5	51.0	1,719.5	240.5	87.5	4.82	0.00	0.00	0.00
MEAN	0.00	1.16	1.10	1.37	1.76	55.5	8.02	2.82	0.16	0.00	0.00	0.00
MAX	0.00	3.0	3.0	1.5	2.5	207	14	5.7	1.5	0.00	0.00	0.00
MIN	0.00	0.00	1.0	1.0	1.5	2.5	5.7	1.5	0.00	0.00	0.00	0.00
AC-FT	0.00	69	67	84	101	3,410	477	174	9.6	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	0.95	2.07	3.18	7.24	7.85	39.8	17.6	9.58	2.56	0.22	0.04	0.20
MAX	3.79	4.25	14.5	52.8	19.6	148	55.5	33.0	9.91	1.15	0.37	1.62
(WY)	(1999)	(1998)	(1997)	(1997)	(1995)	(1997)	(1996)	(1998)	(1998)	(1997)	(1997)	(1998)
MIN	0.00	1.16	0.22	0.18	0.18	1.96	2.31	0.34	0.00	0.00	0.00	0.00
(WY)	(1995)	(2004)	(1993)	(1993)	(1993)	(2003)	(2003)	(1992)	(2001)	(1992)	(1992)	(1992)

10321590 SUSIE CREEK AT CARLIN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	497.78		2,214.76			
ANNUAL MEAN	1.36		6.05		7.72	
HIGHEST ANNUAL MEAN					22.1	1997
LOWEST ANNUAL MEAN					1.41	2003
HIGHEST DAILY MEAN	19	May 10	207	Mar 19	424	Mar 17, 1997
LOWEST DAILY MEAN	0.00	Jun 4	0.00	Oct 1	0.00	May 23, 1992
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 4	0.00	Oct 1	0.00	May 23, 1992
MAXIMUM PEAK FLOW			317	Mar 19	561	Mar 16, 1997
MAXIMUM PEAK STAGE			4.64	Mar 19	6.56	Mar 16, 1997
ANNUAL RUNOFF (AC-FT)	987		4,390		5,590	
10 PERCENT EXCEEDS	3.2		7.9		15	
50 PERCENT EXCEEDS	1.0		1.0		1.8	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10321940 MAGGIE CREEK ABOVE MAGGIE CREEK CANYON NEAR CARLIN

LOCATION.--Lat 40°49'30", long 116°13'21" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec. 22, T.34 S., R.51 E., Eureka County, Hydrologic Unit 16040101, on right bank, approximately 10.0 mi northwest of Carlin.

DRAINAGE AREA.--332 mi^2.

PERIOD OF RECORD.--January 1997 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,125 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 559 ft^3/s March 22, 1997, gage height, 5.02 ft; minimum daily, 0.04 ft^3/s August 23, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 181 ft^3/s, March 20, 23, gage height, 4.14 ft; minimum daily discharge, 0.44 ft^3/s, August 12.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.65	e1.6	e1.6	e5.7	e5.2	e6.4	40	42	19	2.6	0.59	0.66
2	e0.45	e1.6	e1.4	e5.6	e5.4	e6.5	40	41	17	2.3	0.65	0.50
3	e0.62	e1.6	e1.5	e5.6	5.4	e6.5	39	38	16	2.3	0.61	0.62
4	e0.77	e1.7	e1.5	e5.6	e5.2	e8.2	40	37	15	2.1	0.58	0.73
5	e0.82	e1.8	e1.5	e5.5	e6.2	e9.9	43	37	14	1.8	0.56	0.69
6	e0.79	e1.7	e1.7	e5.5	e5.4	e12	63	37	13	1.7	0.54	0.79
7	e0.75	e1.7	e2.8	e5.4	e5.6	e13	107	38	13	1.4	0.52	0.80
8	e0.84	e1.7	e2.5	e5.6	e5.7	e15	120	38	12	1.3	0.54	0.83
9	e0.82	e1.9	e2.4	e5.5	e5.4	e17	102	36	11	1.4	0.52	0.72
10	e0.85	e2.0	e2.6	e5.6	e5.2	e18	89	42	11	1.4	0.52	1.0
11	e0.83	e1.8	e3.2	e5.0	e5.6	e20	79	49	12	1.3	0.45	0.91
12	e0.81	e1.7	e3.2	e4.7	e5.4	28	70	47	12	1.2	0.44	1.1
13	e0.84	e1.9	e4.1	e4.7	e5.7	37	64	42	11	1.1	0.47	0.97
14	e0.71	e2.0	e4.2	e4.4	e6.1	46	59	38	10	0.76	0.49	1.3
15	e0.77	e2.1	e3.3	e4.9	e7.2	53	56	33	9.3	0.83	0.50	1.1
16	e0.80	e2.2	e2.9	e4.5	e8.1	59	52	31	8.4	0.79	1.3	1.3
17	e0.80	e2.4	e3.1	e4.6	e7.7	59	60	28	7.5	0.86	0.98	1.5
18	e0.83	e2.0	e3.3	e4.8	e7.4	49	60	25	7.2	1.1	0.62	1.3
19	e0.86	e1.9	e3.3	e4.7	e7.0	70	55	21	6.4	1.4	0.54	3.4
20	e0.90	e1.9	e3.6	e4.6	e6.1	140	51	22	5.9	1.5	0.66	4.4
21	e0.94	e2.3	e4.0	e4.7	e6.1	138	52	23	5.4	1.3	0.57	2.9
22	e0.92	e1.9	e5.3	e4.7	e6.2	130	57	24	5.1	1.1	0.65	2.2
23	e0.90	e1.5	e4.9	e4.7	e6.2	145	52	25	4.5	0.89	0.67	1.8
24	e0.90	e1.1	e5.4	e4.7	e6.3	119	47	23	4.1	0.78	0.63	1.6
25	e0.90	e1.3	e7.6	e4.9	e6.5	115	44	22	3.9	0.70	0.55	1.6
26	e0.95	e1.3	e7.0	e5.0	e6.6	101	42	21	4.0	0.64	0.68	1.5
27	e1.0	e1.2	e5.2	e5.0	e6.4	87	41	21	3.7	0.70	0.70	1.5
28	e1.1	e1.4	e5.1	5.2	e6.4	66	41	26	3.5	0.64	0.59	1.6
29	e1.3	e1.8	e5.2	5.4	e6.4	50	44	29	3.2	0.57	0.66	2.4
30	e1.6	e1.9	e5.3	5.5	---	42	44	25	3.0	0.57	0.67	2.9
31	e1.7	---	e6.0	e5.0	---	40	---	21	---	0.58	0.77	---
TOTAL	27.72	52.9	114.7	157.3	178.1	1,706.5	1,753	982	271.1	37.61	19.22	44.62
MEAN	0.89	1.76	3.70	5.07	6.14	55.0	58.4	31.7	9.04	1.21	0.62	1.49
MAX	1.7	2.4	7.6	5.7	8.1	145	120	49	19	2.6	1.3	4.4
MIN	0.45	1.1	1.4	4.4	5.2	6.4	39	21	3.0	0.57	0.44	0.50
AC-FT	55	105	228	312	353	3,380	3,480	1,950	538	75	38	89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	4.65	6.02	6.27	9.59	14.0	49.3	60.3	66.1	23.2	4.08	2.24	2.72
MAX	7.73	9.19	9.24	25.1	36.1	214	159	223	89.2	14.2	6.51	5.84
(WY)	(1999)	(1999)	(1999)	(1998)	(1997)	(1997)	(1997)	(1998)	(1998)	(1998)	(1998)	(1998)
MIN	0.89	1.76	3.70	4.62	6.13	5.90	9.36	10.9	1.67	0.31	0.08	0.22
(WY)	(2004)	(2004)	(2004)	(2002)	(2001)	(2003)	(2003)	(2001)	(2001)	(2003)	(2003)	(2003)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	2,166.16		5,344.77			
ANNUAL MEAN	5.93		14.6		16.6	
HIGHEST ANNUAL MEAN					49.3	1998
LOWEST ANNUAL MEAN					5.13	2001
HIGHEST DAILY MEAN	41	May 18	145	Mar 23	505	Mar 22, 1997
LOWEST DAILY MEAN	0.04	Aug 25	0.44	Aug 12	0.04	Aug 25, 2003
ANNUAL SEVEN-DAY MINIMUM	0.04	Aug 23	0.48	Aug 9	0.04	Aug 23, 2003
MAXIMUM PEAK FLOW			181	Mar 20	559	Mar 22, 1997
MAXIMUM PEAK STAGE			4.14	Mar 20	5.02	Mar 22, 1997
ANNUAL RUNOFF (AC-FT)	4,300		10,600		12,040	
10 PERCENT EXCEEDS	12		46		39	
50 PERCENT EXCEEDS	3.3		4.5		6.5	
90 PERCENT EXCEEDS	0.10		0.67		0.79	

e Estimated

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10321950 MAGGIE CREEK AT MAGGIE CREEK CANYON NEAR CARLIN, NV

LOCATION.--Lat 40°48'12", long 116°11'57" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec. 26, T.34 N., R.51 E., Eureka County, Hydrologic Unit 16040101, on right bank, approximately 8.0 mi northwest of Carlin.

DRAINAGE AREA.--334 mi^2.

PERIOD OF RECORD.--September 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,085 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to June 2, 1992, at datum 1.00 ft higher.

REMARKS.--No estimated daily discharges. Records good. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 591 ft^3/s, March 27, 1993, gage height, 4.58 ft, maximum gage height, 4.67 ft, March 22, 1997; no flow some days, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 120 ft^3/s, March 23, gage height, 3.24 ft; minimum daily discharge, 0.00 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	36	34	13	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	36	32	11	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	35	30	9.6	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	1.9	36	29	8.5	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.67	38	28	7.5	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	1.5	49	29	6.6	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	3.1	87	29	6.1	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	5.3	103	28	5.8	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	7.0	89	27	5.5	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	10	78	31	5.6	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	15	70	40	6.0	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	18	63	39	6.0	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	24	57	35	5.3	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	32	53	31	4.5	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	42	50	27	3.8	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	49	47	25	3.3	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	54	54	23	2.7	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	59	55	20	2.2	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	72	49	16	1.8	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	106	46	16	1.1	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	109	47	17	0.60	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	109	50	18	0.17	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	109	46	19	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	99	41	18	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	98	38	16	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	89	35	15	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	78	34	15	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	61	33	19	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	47	36	22	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	39	37	19	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	36	---	15	---	0.00	0.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	1,374.47	1,528	762	116.67	0.00	0.00	0.00
MEAN	0.00	0.00	0.00	0.00	0.00	44.3	50.9	24.6	3.89	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	109	103	40	13	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	33	15	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	2,730	3,030	1,510	231	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	2.75	3.73	4.31	8.55	10.4	49.0	55.6	49.6	15.2	2.29	0.95	1.25
MAX	8.09	9.16	10.3	44.6	32.0	200	171	180	76.0	11.2	3.81	4.48
(WY)	(1990)	(1990)	(1999)	(1997)	(1997)	(1997)	(1996)	(1998)	(1998)	(1998)	(1998)	(1998)
MIN	0.00	0.00	0.00	0.00	0.00	2.18	6.00	2.47	0.04	0.00	0.00	0.00
(WY)	(1993)	(2001)	(2002)	(2002)	(2004)	(2003)	(2003)	(1992)	(2001)	(2001)	(1991)	(1992)

10321950 MAGGIE CREEK AT MAGGIE CREEK CANYON NEAR CARLIN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	1,052.04		3,781.14			
ANNUAL MEAN	2.88		10.3		17.0	
HIGHEST ANNUAL MEAN					48.5	1997
LOWEST ANNUAL MEAN					1.71	2001
HIGHEST DAILY MEAN	32	May 17	109	Mar 21	520	Mar 27, 1993
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Jul 14, 1991
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Jul 23, 1991
MAXIMUM PEAK FLOW			120	Mar 23	591	Mar 27, 1993
MAXIMUM PEAK STAGE			3.24	Mar 23	4.67	Mar 22, 1997
ANNUAL RUNOFF (AC-FT)	2,090		7,500		12,320	
10 PERCENT EXCEEDS	8.6		39		37	
50 PERCENT EXCEEDS	0.00		0.00		4.7	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10322000 MAGGIE CREEK AT CARLIN, NV

LOCATION (REVISED).--Lat 40°42'58.48", long 116°05'36.87" referenced to North American Datum of 1983, in NW ¼ SE ¼ sec. 26, T.33 N., R.52 E., Elko County, Hydrologic Unit 16040101, on right bank, approximately 0.5 mi above confluence with the Humboldt River, and 0.5 mi east of Carlin.

DRAINAGE AREA.--396 mi^2.

PERIOD OF RECORD.--July 1913 to December 1921, April to May 1922, April 1923 to September 1924, April 1992 to current year.

REVISED RECORDS.--WDR NV-93-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,900 ft above sea level, from topographic map. Prior to April 1992, at several sites in immediate vicinity at different datums.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flows influenced by mine de-watering into creek 6.0 mi upstream since April 1994. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 800 ft^3/s, May 7, 1922, gage height, 4.3 ft, (site and datum then in use); maximum gage height, 5.88 ft, March 27, 1993, (present datum); no flow some days during summer months, most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Discharge 2,440 ft^3/s, February 12, 1962, computed from culvert computations and floodmarks. Flood of February-March 1910 may have been higher but discharge is unknown.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 135 ft^3/s, March 21, 22 gage height, 4.10 ft; minimum daily discharge, 0.72 ft^3/s, July 1, 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	9.6	13	15	20	20	49	57	38	0.72	12	13
2	5.7	9.5	9.1	15	20	20	71	55	35	0.72	12	12
3	5.8	9.4	12	15	20	20	70	54	31	0.74	12	12
4	6.1	9.4	14	15	20	20	69	57	36	0.75	11	12
5	6.4	9.4	14	16	20	20	72	48	31	0.74	11	12
6	6.5	9.7	14	16	20	21	67	47	29	0.74	12	12
7	6.5	9.9	15	16	20	22	69	48	26	3.6	12	12
8	6.7	10	15	16	20	24	96	46	25	6.3	13	12
9	6.9	10	15	16	20	26	105	45	24	7.5	13	13
10	6.9	10	14	16	20	28	94	44	22	7.7	13	14
11	6.5	10	15	16	20	29	85	47	20	7.7	13	14
12	6.7	10	14	16	20	30	79	47	22	6.7	13	13
13	6.9	10	14	16	20	e40	74	45	24	6.7	13	13
14	6.1	10	14	16	20	e46	69	43	23	7.0	12	13
15	6.3	11	14	16	20	e52	66	40	22	7.7	13	13
16	6.5	11	14	17	21	e56	64	37	20	8.1	14	13
17	6.7	11	14	17	22	e59	70	35	16	8.9	14	13
18	6.8	11	14	17	22	e61	71	32	16	9.1	13	13
19	7.2	7.6	14	17	22	e67	68	29	15	9.3	13	17
20	7.4	11	14	17	21	e125	65	26	14	9.3	13	16
21	7.4	13	14	17	21	e130	65	27	14	9.3	13	14
22	7.1	9.7	14	17	21	e135	69	29	13	9.3	12	14
23	7.1	12	14	18	21	e135	66	31	8.7	9.3	12	14
24	7.0	12	14	18	21	101	60	33	5.6	9.3	13	13
25	6.8	12	14	18	21	96	56	33	5.3	9.3	12	13
26	6.7	12	14	18	22	86	55	33	e3.0	9.6	13	13
27	6.8	12	14	19	22	79	56	35	e2.0	9.9	13	13
28	7.4	12	15	19	21	67	55	37	e1.4	10	13	13
29	7.6	12	15	20	21	52	56	38	e1.2	11	13	13
30	8.6	13	15	20	---	43	56	45	0.74	11	13	13
31	9.7	---	14	20	---	40	---	39	---	11	13	---
TOTAL	212.4	319.2	433.1	525	599	1,750	2,067	1,262	543.94	219.01	392	395
MEAN	6.85	10.6	14.0	16.9	20.7	56.5	68.9	40.7	18.1	7.06	12.6	13.2
MAX	9.7	13	15	20	22	135	105	57	38	11	14	17
MIN	5.6	7.6	9.1	15	20	20	49	26	0.74	0.72	11	12
AC-FT	421	633	859	1,040	1,190	3,470	4,100	2,500	1,080	434	778	783

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2004, BY WATER YEAR (WY)

MEAN	8.19	11.2	11.0	17.0	23.8	65.3	87.0	78.9	23.2	6.35	5.17	5.25
MAX	30.1	39.4	42.6	82.6	72.5	225	223	422	84.7	32.6	24.1	18.9
(WY)	(1998)	(1997)	(1997)	(1997)	(1997)	(1997)	(1922)	(1922)	(1998)	(1998)	(1996)	(1998)
MIN	0.00	0.00	0.00	0.00	0.10	1.96	8.71	0.12	0.07	0.01	0.00	0.00
(WY)	(1993)	(1993)	(1993)	(1924)	(1993)	(1994)	(1994)	(1992)	(1992)	(1992)	(1919)	(1919)

10322000 MAGGIE CREEK AT CARLIN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1913 - 2004	
ANNUAL TOTAL	4,617.72		8,717.65			
ANNUAL MEAN	12.7		23.8		27.5	
HIGHEST ANNUAL MEAN					76.4	1997
LOWEST ANNUAL MEAN					4.06	1924
HIGHEST DAILY MEAN	27	May 28	135	Mar 22	750	May 7, 1922
LOWEST DAILY MEAN	0.34	Jul 14	0.72	Jul 1	0.00	Aug 17, 1915
ANNUAL SEVEN-DAY MINIMUM	2.3	Jul 11	0.74	Jun 30	0.00	Aug 17, 1915
MAXIMUM PEAK FLOW			135	Mar 22	800	May 7, 1922
MAXIMUM PEAK STAGE			4.10	Mar 21	5.88	Mar 27, 1993
ANNUAL RUNOFF (AC-FT)	9,160		17,290		19,890	
10 PERCENT EXCEEDS	16		57		71	
50 PERCENT EXCEEDS	14		14		9.3	
90 PERCENT EXCEEDS	7.2		6.9		0.40	

e Estimated

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10322150 MARYS CREEK AT CARLIN, NV

LOCATION.--Lat 40°42'38", long 116°07'30" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 28, T.33 N., R.52 E., Elko County, Hydrologic Unit 16040101, on left bank, 0.7 mi above confluence with Humboldt River, and 1.1 mi southeast of Carlin.

DRAINAGE AREA.--45 mi^2.

PERIOD OF RECORD.--November 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,930 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to June 3, 1992, at datum 2.0 ft higher.

REMARKS.--Records poor. Discharge affected by intermittent pumping for Carlin water system, and beaver dam activity. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 530 ft^3/s, March 17, 1993, gage height, 8.15 ft; minimum daily, 0.11 ft^3/s, September 18, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 109 ft^3/s, March 18, gage height, 4.65 ft; minimum daily discharge, 2.8 ft^3/s, January 13, July 13, 14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	3.8	3.3	3.2	3.3	4.4	13	3.7	4.1	3.4	3.8	4.1
2	4.1	3.8	3.3	3.2	3.3	4.4	13	3.7	4.2	3.4	4.0	4.6
3	4.0	3.6	3.3	3.1	3.4	4.3	13	4.3	4.2	3.3	4.2	5.3
4	4.0	3.5	3.1	3.1	3.4	4.3	12	4.5	4.3	3.3	4.2	5.2
5	3.9	3.6	3.4	3.1	3.4	4.2	12	4.4	4.4	3.3	4.3	5.2
6	3.8	3.6	3.4	3.1	3.4	4.4	15	4.2	4.5	3.2	4.2	5.1
7	3.9	3.6	3.5	3.0	3.5	4.3	12	4.4	4.6	3.3	4.2	5.0
8	3.9	3.6	3.4	2.9	3.5	4.3	9.7	4.1	4.6	3.2	4.1	4.8
9	3.9	3.6	3.5	2.9	3.4	4.2	8.1	3.6	4.7	3.4	4.2	4.6
10	3.8	3.5	3.5	2.9	3.5	7.3	7.4	3.8	4.8	3.4	4.2	4.5
11	3.9	3.6	3.5	2.9	3.5	9.8	6.4	3.8	4.8	3.4	4.3	4.5
12	3.9	3.6	3.5	2.9	3.5	11	5.7	3.7	4.8	3.0	4.4	4.3
13	3.9	3.6	3.5	2.8	3.5	13	5.5	e3.7	4.8	2.8	4.5	4.2
14	3.9	3.6	3.5	2.9	3.8	21	5.0	e3.6	4.9	2.8	4.6	4.3
15	3.9	3.6	3.5	2.9	3.6	26	4.7	e3.5	4.9	2.9	4.7	4.4
16	3.9	3.6	3.4	3.0	3.6	29	4.4	e3.5	5.0	3.0	4.7	4.5
17	3.9	3.6	3.5	2.9	3.6	36	5.4	3.4	5.3	3.1	4.7	4.6
18	3.9	3.5	3.5	3.0	3.6	34	4.5	3.5	5.3	3.2	4.6	4.7
19	3.9	3.5	3.5	3.0	3.6	35	4.2	3.5	5.2	3.3	4.4	4.9
20	3.9	3.5	3.5	3.0	3.5	26	4.2	3.6	4.9	3.3	4.4	4.9
21	3.9	3.5	3.5	3.0	3.6	33	4.5	3.6	4.7	3.3	4.4	5.0
22	3.9	3.4	3.5	3.0	3.6	33	4.9	4.0	4.6	3.3	4.6	5.0
23	3.9	3.3	3.5	3.1	3.7	34	4.3	4.4	4.6	3.3	4.5	5.0
24	3.9	3.3	3.5	3.1	3.6	30	4.1	4.0	4.4	3.3	4.5	4.8
25	3.9	3.3	3.5	3.2	4.0	27	4.2	3.7	4.2	3.3	4.3	4.8
26	4.0	3.4	3.4	3.2	4.3	23	4.0	3.8	3.9	3.4	4.5	4.7
27	4.0	3.4	3.4	3.2	4.5	19	3.8	3.9	3.7	3.5	4.4	4.7
28	4.0	3.4	3.3	3.2	4.3	16	3.7	4.0	3.5	3.5	4.5	4.7
29	4.0	3.3	3.3	3.2	4.3	14	3.7	4.0	3.5	3.6	4.4	4.5
30	3.9	3.3	3.2	3.2	---	13	3.6	4.0	3.4	3.6	4.2	4.6
31	3.9	---	3.2	3.2	---	13	---	4.0	---	3.7	4.1	---
TOTAL	121.6	105.5	105.9	94.4	105.8	541.9	206.0	119.9	134.8	101.8	135.1	141.5
MEAN	3.92	3.52	3.42	3.05	3.65	17.5	6.87	3.87	4.49	3.28	4.36	4.72
MAX	4.1	3.8	3.5	3.2	4.5	36	15	4.5	5.3	3.7	4.7	5.3
MIN	3.8	3.3	3.1	2.8	3.3	4.2	3.6	3.4	3.4	2.8	3.8	4.1
AC-FT	241	209	210	187	210	1,070	409	238	267	202	268	281

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	4.61	5.37	4.89	5.37	5.56	11.5	7.08	5.63	4.08	3.97	3.85	4.26
MAX	8.59	8.90	9.55	14.8	16.6	43.9	19.6	17.6	7.62	10.0	5.88	10.6
(WY)	(2001)	(1998)	(2003)	(1997)	(1996)	(1993)	(1998)	(1998)	(1999)	(2002)	(2001)	(1998)
MIN	2.13	3.47	2.21	2.85	1.78	3.16	2.64	1.90	1.36	1.60	2.34	1.11
(WY)	(1993)	(1992)	(1997)	(1993)	(1993)	(1994)	(1992)	(1992)	(1991)	(1991)	(1992)	(2002)

10322150 MARYS CREEK AT CARLIN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	1,568.9		1,914.2			
ANNUAL MEAN	4.30		5.23		5.63	
HIGHEST ANNUAL MEAN					9.54	1998
LOWEST ANNUAL MEAN					2.75	1992
HIGHEST DAILY MEAN	8.2	Aug 3	36	Mar 17	400	Mar 17, 1993
LOWEST DAILY MEAN	3.1	Jun 19	2.8	Jan 13	0.11	Sep 18, 2002
ANNUAL SEVEN-DAY MINIMUM	3.2	Jun 16	2.9	Jan 8	0.17	Sep 13, 2002
MAXIMUM PEAK FLOW			109	Mar 18	530	Mar 17, 1993
MAXIMUM PEAK STAGE			4.65	Mar 18	8.15	Mar 17, 1993
ANNUAL RUNOFF (AC-FT)	3,110		3,800		4,080	
10 PERCENT EXCEEDS	5.4		5.3		8.3	
50 PERCENT EXCEEDS	4.1		3.9		4.4	
90 PERCENT EXCEEDS	3.4		3.2		2.4	

e Estimated

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10322500 HUMBOLDT RIVER AT PALISADE, NV

LOCATION.--Lat 40°36'27", long 116°12'03" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 35, T.32 N., R.51 E., Eureka County, Hydrologic Unit 16040101, on right bank, 0.2 mi downstream from a Southern Pacific Railroad bridge, 0.5 mi downstream from Palisade, 0.8 mi upstream from Pine Creek, and at mi 316.10 above Derby Road bridge.

DRAINAGE AREA.--5,053.2 mi^2.

PERIOD OF RECORD.--October 1902 to September 1906, and July 1911 to current year.

REVISED RECORDS.--WSP 1514, 1903-4, 1912, 1914. WDR NV-00-1: Drainage Area.

GAGE.--Water-stage recorder. Datum of gage is 4,825.55 ft above National Geodetic Vertical Datum of 1929. Prior to April 1, 1939, nonrecording gages (water-stage recorder April 22 to June 3, 1935) at several sites within 0.5 mi of present site at various datums.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation above station. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,870 ft^3/s, May 18, 1984, gage height, 10.08 ft; minimum daily, 2.0 ft^3/s, August 25-28, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, about 17 ft, present datum, about February 28, 1910, from photographs and written statements of resident witnesses; discharge, about 17,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 815 ft^3/s, March 22, gage height, 3.75 ft; minimum daily discharge, 25 ft^3/s, September 15.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	36	44	e53	59	154	549	424	711	219	48	29
2	31	37	42	e53	60	151	554	424	662	210	49	29
3	30	38	36	e53	64	155	543	413	605	196	49	29
4	31	38	43	53	63	158	544	376	583	176	47	29
5	30	38	45	e53	65	166	533	369	572	161	41	29
6	30	39	45	e53	62	162	554	372	552	153	e38	29
7	31	39	46	e53	69	177	613	376	550	144	e37	28
8	30	38	48	e53	68	181	660	406	576	139	e36	28
9	30	40	47	55	68	202	712	426	600	135	e35	27
10	30	40	46	56	65	224	716	456	613	126	35	28
11	29	40	51	e53	e65	265	701	516	624	106	33	31
12	30	40	53	e53	e65	325	686	567	632	97	32	29
13	30	43	56	e53	e65	353	655	576	638	90	31	28
14	29	42	56	e53	e65	395	637	565	632	82	30	26
15	29	44	53	e53	67	458	597	541	597	79	29	25
16	30	43	51	e53	69	502	576	522	516	76	30	28
17	30	43	e50	e53	75	565	582	497	444	78	30	28
18	29	43	e49	e53	81	641	594	457	405	76	27	28
19	27	41	49	e53	92	712	588	451	380	72	28	38
20	27	38	52	e53	96	760	597	432	364	67	32	40
21	28	e38	54	e53	102	773	611	397	355	73	35	35
22	28	38	55	e53	116	796	604	379	353	65	33	33
23	29	38	54	e53	132	773	584	382	330	60	32	32
24	28	e38	e53	e53	136	742	562	398	300	61	32	31
25	28	e39	e53	e53	140	708	539	423	287	66	31	30
26	28	e39	e53	e53	153	695	505	448	266	63	32	30
27	29	e39	e53	e53	168	671	470	461	238	63	32	29
28	30	40	e53	53	160	641	437	483	241	57	32	29
29	31	42	e53	55	156	602	435	519	238	53	30	29
30	33	43	e53	57	---	577	435	561	230	51	30	32
31	35	---	e53	59	---	557	---	633	---	50	30	---
TOTAL	921	1,194	1,549	1,660	2,646	14,241	17,373	14,250	14,094	3,144	1,066	896
MEAN	29.7	39.8	50.0	53.5	91.2	459	579	460	470	101	34.4	29.9
MAX	35	44	56	59	168	796	716	633	711	219	49	40
MIN	27	36	36	53	59	151	435	369	230	50	27	25
MED	30	39	52	53	69	502	583	448	533	78	32	29
AC-FT	1,830	2,370	3,070	3,290	5,250	28,250	34,460	28,260	27,960	6,240	2,110	1,780

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2004, BY WATER YEAR (WY)

MEAN	58.5	87.5	105	144	281	580	841	998	1,180	338	60.0	36.8
MAX	369	411	720	616	1,779	2,949	4,222	5,719	4,635	1,960	571	199
(WY)	(1983)	(1984)	(1984)	(1997)	(1986)	(1983)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)
MIN	10.3	10.3	10.0	10.0	30.1	104	29.9	11.3	6.27	5.71	3.68	6.53
(WY)	(1932)	(1932)	(1932)	(1932)	(1932)	(1934)	(1934)	(1934)	(1931)	(1931)	(1931)	(1931)

10322500 HUMBOLDT RIVER AT PALISADE, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1903 - 2004	
ANNUAL TOTAL	64,603		73,034			
ANNUAL MEAN	177		200		392	
HIGHEST ANNUAL MEAN					1,846	1984
LOWEST ANNUAL MEAN					34.8	1934
HIGHEST DAILY MEAN	1,770	Jun 4	796	Mar 22	7,820	May 18, 1984
LOWEST DAILY MEAN	22	Jul 22	25	Sep 15	2.0	Aug 25, 1931
ANNUAL SEVEN-DAY MINIMUM	26	Jul 20	27	Sep 12	2.4	Aug 22, 1931
MAXIMUM PEAK FLOW			815	Mar 22	7,870	May 18, 1984
MAXIMUM PEAK STAGE			3.75	Mar 22	10.08	May 18, 1984
ANNUAL RUNOFF (AC-FT)	128,100		144,900		283,700	
10 PERCENT EXCEEDS	357		590		1,150	
50 PERCENT EXCEEDS	66		56		120	
90 PERCENT EXCEEDS	30		30		24	

e Estimated

HUMBOLDT RIVER BASIN, MIDDLE HUMBOLDT RIVER BASIN

10323425 HUMBOLDT RIVER AT OLD U.S. 40 BRIDGE, AT DUNPHY, NV

LOCATION.--Lat 40°42'20", long 116°31'48" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec. 26, T.33 N., R.48 E., Eureka County, Hydrologic Unit 16040105, on right downstream bridge abutment, at Dunphy, and at mi 280.41 above Derby Road bridge.

DRAINAGE AREA.--7,470 mi^2.

PERIOD OF RECORD.--February 1991 to current year.

REVISED RECORDS.--WDR NV-00-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,630 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Many diversions for irrigation above station. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,140 ft^3/s, June 9, 1995, gage height, 8.57 ft; minimum daily, 1.6 ft^3/s, August 13, 1992.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood February 12, 1962, maximum discharge 7,620 ft^3/s, computed by slope-area and culvert computations of peak flow.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 903 ft^3/s, June 2, gage height, 4.98 ft; minimum daily discharge, 14 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	20	35	e53	78	181	508	355	701	249	34	17
2	19	21	32	e53	84	180	509	350	763	240	34	17
3	19	21	33	e53	83	181	494	348	685	229	34	16
4	19	22	30	e54	82	183	492	341	622	215	32	16
5	19	23	32	e55	83	188	485	305	602	195	30	16
6	18	24	33	e55	77	188	483	313	574	179	28	16
7	16	25	34	e55	78	190	509	320	543	166	27	15
8	16	25	33	e55	e80	201	567	344	536	151	25	15
9	16	28	32	e55	e80	215	602	387	569	139	24	14
10	16	28	34	e54	82	257	647	437	590	134	23	14
11	16	27	35	e54	e80	303	641	486	601	108	23	14
12	16	27	34	e54	81	366	620	573	607	91	22	14
13	16	30	e34	e54	e88	420	599	612	611	82	21	14
14	16	30	e36	e54	e93	439	564	630	612	73	21	14
15	17	32	e38	e55	e94	486	547	627	598	67	20	14
16	16	34	42	e55	e98	543	504	605	584	63	23	14
17	16	33	e43	e55	104	582	500	590	497	60	32	14
18	17	34	e45	e56	115	642	509	549	425	60	28	14
19	17	42	e45	e56	123	720	515	531	392	60	26	19
20	17	46	e45	e56	128	790	512	542	369	56	24	22
21	16	43	e46	e57	123	826	523	531	353	52	23	23
22	16	e36	e46	e58	127	841	539	495	331	51	23	21
23	16	e32	e47	e59	141	843	524	476	328	48	23	20
24	16	e32	e48	e59	154	812	505	477	304	43	22	19
25	16	e32	e49	e59	155	773	484	496	280	42	21	19
26	16	e33	e50	e61	165	729	445	506	271	43	21	18
27	16	32	e51	e63	182	711	419	526	253	41	21	18
28	16	35	e51	e64	192	671	382	539	221	40	21	18
29	16	e35	e52	75	186	635	357	573	249	38	20	25
30	18	e35	e52	70	---	580	363	591	255	36	19	30
31	19	---	e53	71	---	536	---	628	---	34	18	---
TOTAL	522	917	1,270	1,787	3,236	15,212	15,348	15,083	14,326	3,085	763	520
MEAN	16.8	30.6	41.0	57.6	112	491	512	487	478	99.5	24.6	17.3
MAX	19	46	53	75	192	843	647	630	763	249	34	30
MIN	16	20	30	53	77	180	357	305	221	34	18	14
AC-FT	1,040	1,820	2,520	3,540	6,420	30,170	30,440	29,920	28,420	6,120	1,510	1,030

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	38.3	69.7	91.1	161	233	525	592	817	1,062	320	54.6	22.9
MAX	137	210	253	667	564	1,433	1,369	1,939	2,581	1,300	216	72.9
(WY)	(1999)	(1999)	(1997)	(1997)	(1997)	(1997)	(1996)	(1998)	(1995)	(1995)	(1998)	(1998)
MIN	8.51	20.9	33.7	38.7	45.1	129	148	159	37.5	7.87	2.93	2.49
(WY)	(1992)	(2002)	(1993)	(1993)	(1993)	(2003)	(1991)	(1992)	(1992)	(1992)	(1992)	(1992)

10323425 HUMBOLDT RIVER AT OLD U.S. 40 BRIDGE, AT DUNPHY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1991 - 2004	
ANNUAL TOTAL	56,252		72,069			
ANNUAL MEAN	154		197		345	
HIGHEST ANNUAL MEAN					728	1997
LOWEST ANNUAL MEAN					79.8	1992
HIGHEST DAILY MEAN	1,420	Jun 5	843	Mar 23	5,040	Jun 9, 1995
LOWEST DAILY MEAN	14	Aug 20	14	Sep 9	1.6	Aug 13, 1992
ANNUAL SEVEN-DAY MINIMUM	15	Aug 30	14	Sep 9	2.1	Sep 18, 1992
MAXIMUM PEAK FLOW			903	Jun 2	5,140	Jun 9, 1995
MAXIMUM PEAK STAGE			4.98	Jun 2	8.57	Jun 9, 1995
ANNUAL RUNOFF (AC-FT)	111,600		142,900		249,900	
10 PERCENT EXCEEDS	311		583		1,030	
50 PERCENT EXCEEDS	66		56		114	
90 PERCENT EXCEEDS	16		17		15	

e Estimated

10324500 ROCK CREEK NEAR BATTLE MOUNTAIN, NV

LOCATION (REVISED).--Lat 40°49'49.46", long 116°35'18.03" referenced to North American Datum of 1983, in SW ¼ NE ¼ sec. 17, T.34 N., R.48 E., Eureka County, Hydrologic Unit 16040106, at mouth of canyon on left bank, and 22 mi northeast of Battle Mountain.

DRAINAGE AREA.--863.73 mi^2.

PERIOD OF RECORD.--March 1918 to September 1925 (fragmentary October 1923 to April 1925), March 1927 to May 1929 (fragmentary), October 1945 to current year.

REVISED RECORDS.--WSP 1214: 1950 (M); WSP 1714: 1959; WDR NV-76-1: 1971 (P), 1974 (P); WDR NV-99-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,670 ft above National Geodetic Vertical Datum of 1929, estimated from nearby U.S. Coast and Geodetic Survey bench mark. Prior to March 26, 1918, nonrecording gage at site about 11 mi upstream at different datum. March 26, 1918, to October 28, 1970, water-stage recorder at site 0.4 mi upstream, at the following datums: at different datum March 26, 1918, to January 3, 1946; at datum 9.45 ft higher January 4, 1946, to July 23, 1964; at datum 7.35 ft higher July 23, 1964, to October 31, 1968; and at datum 6.34 ft higher November 1, 1968, to October 28, 1970.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Several diversions for irrigation in valleys upstream. Station is above all diversions in Boulder Flat. Flow can be affected by Willow Creek Reservoir in Squaw Valley, 30 mi upstream, usable capacity, 18,000 acre-ft. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,800 ft^3/s, February 11, 1962, gage height, 6.89 ft; maximum gage height, 6.91 ft, January 3, 1997; no flow at times during summer months in some years

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 75 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
March 20	1715	*533	*4.07	No other peaks above base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.91	2.7	4.8	e4.5	e5.0	11	47	42	31	1.4	0.03	1.2
2	0.89	2.6	4.8	e4.5	e4.5	9.8	46	43	e29	1.4	0.03	1.1
3	0.84	2.5	4.5	e4.5	e4.0	11	48	42	e27	1.3	0.03	0.96
4	1.0	2.6	4.0	e4.5	e3.5	16	51	39	e24	1.3	0.02	1.0
5	1.2	2.8	3.5	4.6	e3.5	13	53	38	e21	1.2	0.02	1.1
6	1.3	2.9	3.6	4.4	e3.5	16	55	36	e17	1.1	0.01	1.3
7	1.4	2.7	3.6	4.7	e3.5	18	70	36	e14	1.1	0.12	1.5
8	1.3	2.6	e3.7	4.5	e3.5	34	73	37	e11	1.0	0.18	1.5
9	1.3	3.7	e3.7	5.7	e3.5	44	66	39	e8.6	0.99	0.22	1.4
10	1.2	4.0	3.7	6.2	e3.5	75	59	41	6.8	0.91	0.24	1.4
11	1.2	3.4	4.8	4.5	e3.8	103	55	48	5.7	0.87	0.27	1.2
12	1.3	3.3	5.0	5.1	e4.5	103	54	59	5.1	0.81	0.28	1.3
13	1.4	4.5	5.4	4.7	e6.5	118	52	58	4.4	0.78	0.32	1.3
14	1.4	4.3	e5.2	4.2	e8.8	158	50	53	4.0	0.71	0.34	1.3
15	1.4	4.1	e5.0	4.5	e12	198	45	50	3.7	0.70	0.39	1.4
16	1.6	4.7	e4.8	5.2	e14	240	36	46	3.3	0.67	0.59	1.6
17	1.6	4.6	4.4	5.2	16	295	38	42	2.8	0.65	1.2	1.7
18	1.7	4.6	e4.2	5.2	18	337	43	38	2.4	0.50	1.7	1.8
19	1.8	4.2	e4.1	6.1	14	414	42	34	2.3	0.24	1.8	3.2
20	1.8	3.8	4.0	5.5	13	448	44	33	2.1	0.17	2.1	4.0
21	1.7	3.8	4.9	4.7	13	388	45	33	2.1	0.14	1.6	e4.0
22	1.7	3.5	4.6	e5.0	17	324	46	32	2.0	0.13	1.3	e3.6
23	1.7	4.1	5.1	e5.0	20	271	51	35	1.9	0.12	1.3	e3.4
24	1.8	4.0	4.2	e5.2	17	236	51	42	1.8	0.11	1.3	e3.2
25	1.9	3.3	e4.5	e5.5	18	208	48	42	1.8	0.11	1.3	e3.0
26	2.0	3.7	e5.0	e5.7	18	170	48	38	1.8	0.10	1.3	e3.0
27	2.0	4.1	e5.0	e5.9	19	133	46	36	1.9	0.09	1.4	e3.0
28	2.0	3.6	e5.0	e6.0	14	101	45	38	1.8	0.08	1.6	2.7
29	2.1	4.0	4.8	e6.2	11	82	44	38	1.7	0.07	1.5	2.9
30	2.3	4.6	5.3	6.3	---	70	43	37	1.6	0.05	1.4	3.2
31	2.4	---	4.5	6.5	---	52	---	32	---	0.04	1.3	---
TOTAL	48.14	109.3	139.7	160.3	295.6	4,696.8	1,494	1,257	243.6	18.84	25.19	63.26
MEAN	1.55	3.64	4.51	5.17	10.2	152	49.8	40.5	8.12	0.61	0.81	2.11
MAX	2.4	4.7	5.4	6.5	20	448	73	59	31	1.4	2.1	4.0
MIN	0.84	2.5	3.5	4.2	3.5	9.8	36	32	1.6	0.04	0.01	0.96
AC-FT	95	217	277	318	586	9,320	2,960	2,490	483	37	50	125

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2004, BY WATER YEAR (WY)

MEAN	3.24	4.38	8.18	19.2	51.7	106	139	91.1	29.8	3.99	1.28	2.05
MAX	48.1	19.5	104	269	385	630	1,178	725	174	35.6	15.5	24.6
(WY)	(1998)	(1997)	(1984)	(1997)	(1986)	(1984)	(1952)	(1984)	(1998)	(1984)	(1984)	(1997)
MIN	0.08	0.77	0.50	0.30	1.00	2.93	1.10	0.85	0.15	0.00	0.00	0.00
(WY)	(1956)	(1962)	(1949)	(1949)	(1922)	(1963)	(1968)	(1992)	(1961)	(1919)	(1919)	(1919)

10324500 ROCK CREEK NEAR BATTLE MOUNTAIN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1918 - 2004	
ANNUAL TOTAL	2,230.34		8,551.73			
ANNUAL MEAN	6.11		23.4		38.8	
HIGHEST ANNUAL MEAN					235	1984
LOWEST ANNUAL MEAN					2.27	1994
HIGHEST DAILY MEAN	75	May 10	448	Mar 20	3,510	Feb 10, 1962
LOWEST DAILY MEAN	0.00	Jul 12	0.01	Aug 6	0.00	Jul 6, 1918
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 12	0.03	Jul 31	0.00	Jul 14, 1918
MAXIMUM PEAK FLOW			533	Mar 20	4,800	Feb 11, 1962
MAXIMUM PEAK STAGE			4.07	Mar 20	6.91	Jan 3, 1997
ANNUAL RUNOFF (AC-FT)	4,420		16,960		28,100	
10 PERCENT EXCEEDS	14		51		97	
50 PERCENT EXCEEDS	3.5		4.2		4.4	
90 PERCENT EXCEEDS	0.05		0.83		0.05	

e Estimated

HUMBOLDT RIVER BASIN, MIDDLE HUMBOLDT RIVER BASIN

10324700 BOULDER CREEK NEAR DUNPHY, NV

LOCATION.--Lat 40°57'04", long 116°26'39" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec. 33, T.36 N., R.49 E., Eureka County, Hydrologic Unit 16040105, on left bank, approximately 20 mi north of Dunphy.

DRAINAGE AREA.--76.7 mi^2.

PERIOD OF RECORD.--February 1991 to June 1993. Seasonal (January-June) record since June 1993.

GAGE.--Water-stage recorder. Elevation of gage is 5,010 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 440 ft^3/s, January 2, 1997, gage height, 4.40 ft; no flow many days, most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 66 ft^3/s, March 9, gage height, 3.23 ft; minimum daily discharge, 0.00 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	0.00	0.00	0.21	10	7.3	0.00	---	---	---
2	---	---	---	0.00	0.00	0.24	9.1	6.6	0.00	---	---	---
3	---	---	---	0.00	0.00	0.81	8.8	5.8	0.00	---	---	---
4	---	---	---	0.00	0.00	0.48	8.4	6.2	0.00	---	---	---
5	---	---	---	0.00	0.00	0.34	7.7	6.5	0.00	---	---	---
6	---	---	---	0.00	0.00	1.5	8.6	6.4	0.00	---	---	---
7	---	---	---	0.00	0.00	12	9.3	5.1	0.00	---	---	---
8	---	---	---	0.00	0.00	21	7.7	4.7	0.00	---	---	---
9	---	---	---	0.00	0.00	32	5.8	4.5	0.00	---	---	---
10	---	---	---	0.00	0.00	48	4.5	5.1	0.00	---	---	---
11	---	---	---	0.00	0.00	46	3.5	5.3	0.00	---	---	---
12	---	---	---	0.00	0.00	44	2.9	4.6	0.00	---	---	---
13	---	---	---	0.00	0.00	43	2.6	4.1	0.00	---	---	---
14	---	---	---	0.00	0.00	46	2.3	3.5	0.00	---	---	---
15	---	---	---	0.00	0.00	45	2.0	3.1	0.00	---	---	---
16	---	---	---	0.00	0.00	42	1.9	2.7	0.00	---	---	---
17	---	---	---	0.00	0.00	40	1.9	1.6	0.00	---	---	---
18	---	---	---	0.00	10	38	1.7	0.16	0.00	---	---	---
19	---	---	---	0.00	25	39	1.8	0.24	0.00	---	---	---
20	---	---	---	0.00	20	39	1.7	0.00	0.00	---	---	---
21	---	---	---	0.00	15	37	1.7	0.00	0.00	---	---	---
22	---	---	---	0.00	13	36	0.30	1.00	0.00	---	---	---
23	---	---	---	0.00	12	31	1.5	0.04	0.00	---	---	---
24	---	---	---	0.00	7.5	25	2.8	0.00	0.00	---	---	---
25	---	---	---	0.00	3.1	23	2.7	0.00	0.00	---	---	---
26	---	---	---	0.00	3.4	20	2.9	0.00	0.00	---	---	---
27	---	---	---	0.00	0.96	17	2.4	0.00	0.00	---	---	---
28	---	---	---	0.00	0.45	15	2.1	0.00	0.00	---	---	---
29	---	---	---	0.00	0.85	13	1.6	0.00	0.00	---	---	---
30	---	---	---	0.00	---	12	4.3	0.00	0.00	---	---	---
31	---	---	---	0.00	---	11	---	0.00	---	---	---	---
TOTAL	---	---	---	0.00	111.26	778.58	124.50	84.54	0.00	---	---	---
MEAN	---	---	---	0.00	3.84	25.1	4.15	2.73	0.00	---	---	---
MAX	---	---	---	0.00	25	48	10	7.3	0.00	---	---	---
MIN	---	---	---	0.00	0.00	0.21	0.30	0.00	0.00	---	---	---
AC-FT	---	---	---	0.00	221	1,540	247	168	0.00	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	0.00	0.00	0.00	3.40	5.57	12.5	10.3	13.0	1.30	0.00	0.00	0.01
MAX	0.00	0.00	0.00	38.5	44.8	57.6	40.2	80.7	14.4	0.00	0.00	0.01
(WY)	(1992)	(1992)	(1992)	(1997)	(1996)	(1993)	(1998)	(1998)	(1998)	(1991)	(1991)	(1991)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1992)	(1992)	(1992)	(1992)	(1991)	(1991)	(1991)	(1992)	(1992)	(1991)	(1991)	(1992)

SUMMARY STATISTICS	WATER YEARS 1991 - 2004	
ANNUAL MEAN	0.09	
HIGHEST ANNUAL MEAN	0.09	1992
LOWEST ANNUAL MEAN	0.09	1992
HIGHEST DAILY MEAN	350	Jan 2, 1997
LOWEST DAILY MEAN	0.00	Feb 1, 1991
ANNUAL SEVEN-DAY MINIMUM	0.00	Feb 1, 1991
MAXIMUM PEAK FLOW	440	Jan 2, 1997
MAXIMUM PEAK STAGE	4.40	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	62	
10 PERCENT EXCEEDS	0.00	
50 PERCENT EXCEEDS	0.00	
90 PERCENT EXCEEDS	0.00	

HUMBOLDT RIVER BASIN, MIDDLE HUMBOLDT RIVER BASIN

10325000 HUMBOLDT RIVER AT BATTLE MOUNTAIN, NV

LOCATION.--Lat 40°40'04", long 116°55'49" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 08, T.32 N., R.45 E., Lander County, Hydrologic Unit 16040105, on left bank, downstream side of bridge on State Highway 806, 2 mi north of Battle Mountain, and at mi 249.01 above Derby Road bridge. Reese River enters Humboldt River several mi below station.

DRAINAGE AREA.--11,202.1 mi^2.

PERIOD OF RECORD.--May 1896 to December 1897, March 1921 to April 1924, October 1945 to September 1981, February 1991 to current year.

REVISIONS.--WSP 1564: 1897-98, 1923; WDR NV-99-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4489.04 ft above National Geodetic Vertical Datum of 1929, from levels by the U.S. Geological Survey. Prior to March 1, 1921, nonrecording gage 1.3 mi upstream and March 1, 1921, to April 19, 1924, nonrecording gage 0.8 mi upstream, both at different datums. October 1945 to September 10, 1972, water-stage recorder at site 1.0 mi upstream at datum 4.79 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Records prior to 1969 (except the maximum for the period of record) do not always include flow in secondary channels or ditches at medium-high stages, much of which was used for irrigation. Many diversions above station for irrigation. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,800 ft^3/s, May 3, 1952, maximum gage height, 10.62 ft, June 12, 1995; no flow some days, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 909 ft^3/s, March 24, 25, gage height, 6.82 ft; minimum daily discharge, 3.6 ft^3/s, September 13.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	8.8	33	e46	e68	e127	495	300	399	182	21	7.0
2	4.7	9.7	31	e47	e69	186	450	289	452	172	21	6.6
3	5.3	11	27	e48	e70	186	442	254	486	165	20	6.0
4	5.1	12	28	e48	e71	181	423	197	451	157	19	5.7
5	5.3	13	26	e49	e72	182	418	215	429	144	18	5.7
6	5.4	14	25	e50	e72	186	409	208	423	130	17	5.7
7	5.5	15	27	e50	e72	183	413	210	411	115	16	5.8
8	5.1	16	28	e51	e73	187	425	211	397	106	15	5.3
9	4.6	18	27	e52	e73	194	458	215	398	98	13	4.8
10	4.3	26	e28	e52	e74	206	491	227	426	93	11	4.4
11	4.4	19	e29	e54	e75	238	503	261	438	88	10	4.1
12	4.7	19	31	e55	e76	276	501	308	450	73	8.8	3.7
13	4.7	21	e31	e55	e77	330	499	376	454	63	7.7	3.6
14	5.0	21	e31	e55	e79	373	477	527	458	56	7.0	3.7
15	5.1	21	e32	e55	e80	398	453	436	459	49	7.3	3.9
16	5.4	23	e32	e55	e80	441	438	403	445	45	8.7	3.9
17	5.6	26	e33	e56	e81	483	422	381	426	43	17	3.8
18	5.7	26	e34	e56	e82	532	414	353	369	41	21	3.8
19	5.8	24	e35	e56	e90	605	437	318	318	43	17	6.1
20	5.9	28	e35	e57	e102	694	436	306	293	42	16	13
21	6.0	e28	e36	e58	e117	786	444	302	273	38	14	13
22	6.0	e29	e37	e58	e122	835	448	287	259	38	11	14
23	5.9	30	e38	e59	e124	873	447	266	240	35	11	14
24	6.0	e32	e39	e60	e125	886	439	254	237	32	11	12
25	6.2	e34	e40	e61	e124	858	420	257	217	30	10	11
26	6.5	e36	e41	e62	e124	845	403	273	201	27	9.9	11
27	6.7	37	e43	e62	e124	789	376	283	194	28	10	10
28	6.9	e38	e43	e64	e124	742	356	308	179	27	9.8	10
29	6.9	34	e45	e66	e124	694	313	322	157	26	9.5	10
30	7.9	35	e45	e67	---	659	296	349	182	25	8.9	14
31	8.1	---	e45	e67	---	564	---	366	---	23	7.8	---
TOTAL	174.8	704.5	1,055	1,731	2,644	14,719	12,946	9,262	10,521	2,234	404.4	225.6
MEAN	5.64	23.5	34.0	55.8	91.2	475	432	299	351	72.1	13.0	7.52
MAX	8.1	38	45	67	125	886	503	527	486	182	21	14
MIN	4.1	8.8	25	46	68	127	296	197	157	23	7.0	3.6
AC-FT	347	1,400	2,090	3,430	5,240	29,200	25,680	18,370	20,870	4,430	802	447

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 2004, BY WATER YEAR (WY)

MEAN	30.7	70.1	105	178	277	504	734	872	1,073	346	46.9	16.5
MAX	194	291	334	1,123	999	1,693	3,060	3,718	3,496	1,418	243	120
(WY)	(1999)	(1999)	(1999)	(1997)	(1962)	(1997)	(1952)	(1952)	(1980)	(1995)	(1975)	(1965)
MIN	0.00	0.21	3.67	9.58	22.7	102	96.9	50.7	20.7	2.36	0.00	0.00
(WY)	(1993)	(1955)	(1955)	(1955)	(1955)	(1961)	(1959)	(1959)	(1992)	(1992)	(1992)	(1981)

HUMBOLDT RIVER BASIN, MIDDLE HUMBOLDT RIVER BASIN

10327500 HUMBOLDT RIVER AT COMUS, NV

LOCATION.--Lat 40°59'32", long 117°19'00" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 14, T.36 N., R.41 E., Humboldt County, Hydrologic Unit 16040105, on left bank, at Comus siding of Southern Pacific Railroad, 9.0 mi northeast of Golconda, 1.0 mi upstream of Kelly Creek, 32 mi northwest of Battle Mountain, and at mi 191.48 above Derby Road bridge.

DRAINAGE AREA.--12,220 mi^2 at current location at Comus railroad siding.

PERIOD OF RECORD.--October 1894 to December 1909, September 1910 to September 1926, October 1945 to current year. Published as "near Golconda" prior to October 1917.

REVISED RECORDS.--WSP 1514: 1921-22, 1926. WSP 1314: 1904, 1907-8, 1911-13, 1916-17; WDR NV-99-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,350 ft, above National Geodetic Vertical Datum of 1929, from topographic map. Prior to September 25, 1917, nonrecording gages at several sites in vicinity of present location at different datums. September 25, 1917, to June 30, 1923, and May 23, 1925, to May 31, 1926, nonrecording gages at several sites within 7.0 mi of present site at different datums, October 1, 1945 to December 11, 1997 at Comus railroad siding site, 6.5 mi upstream at different datum. December 12, 1997 to March 2, 2000, at site 6.5 mi downstream at Preble bridge. March 7, 2000, gage moved back to upstream site at Comus railroad siding.

REMARKS.--Records fair. Many diversions above station for irrigation, 206,000 acres, additional acreage not covered by decree. Flows significantly influenced by discharge into river from mine de-watering approximately 15.5 mi upstream. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,900 ft^3/s, April 24, 1984, gage height, 12.25 ft; no flow at times some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 659 ft^3/s, March 25, 26, 27, gage height, 5.46 ft; minimum daily discharge, 0.50 ft^3/s, October 14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	35	36	40	62	171	453	380	330	170	40	54
2	37	35	37	e41	64	180	464	381	331	174	39	56
3	42	33	36	e42	63	179	455	375	336	167	39	55
4	37	31	37	e43	65	183	436	371	343	160	40	55
5	33	32	36	e44	71	180	441	291	344	151	48	55
6	31	32	38	45	75	171	444	256	349	144	79	55
7	24	32	38	50	74	168	439	246	352	132	74	54
8	21	10	37	48	70	170	435	237	348	121	64	50
9	21	2.9	37	48	67	172	432	231	360	115	58	48
10	5.4	2.2	37	48	e65	179	457	235	387	115	56	49
11	0.82	2.1	37	51	e60	185	475	256	371	109	56	46
12	0.59	2.0	39	53	e57	204	495	256	361	104	58	45
13	0.55	2.1	40	54	e55	232	499	273	360	100	61	46
14	0.50	2.0	40	51	53	265	498	300	348	92	49	48
15	13	32	40	e48	55	290	491	335	327	85	49	49
16	19	37	39	e48	57	311	476	385	338	78	55	48
17	21	37	39	e47	69	337	467	379	353	75	59	49
18	24	43	36	e47	85	370	456	365	365	73	58	48
19	24	55	31	e47	97	411	449	354	367	73	58	52
20	24	53	32	e46	106	461	451	284	347	72	56	54
21	25	e56	33	e46	118	516	467	264	320	72	57	52
22	25	e56	e33	e46	129	568	471	289	296	71	61	52
23	23	55	e35	e46	129	601	472	284	280	68	63	51
24	3.4	45	e36	e45	132	629	477	286	265	62	63	46
25	21	19	e37	45	129	652	469	283	251	57	61	45
26	21	37	e38	e46	138	655	461	340	242	53	61	46
27	21	34	e39	e47	144	656	451	308	226	50	60	45
28	22	37	40	48	141	651	429	303	218	50	60	45
29	22	35	46	53	151	633	417	305	205	47	58	44
30	19	34	45	60	---	482	388	310	179	43	57	47
31	26	---	49	60	---	430	---	324	---	41	55	---
TOTAL	634.26	918.3	1,173	1,483	2,581	11,292	13,715	9,486	9,499	2,924	1,752	1,489
MEAN	20.5	30.6	37.8	47.8	89.0	364	457	306	317	94.3	56.5	49.6
MAX	42	56	49	60	151	656	499	385	387	174	79	56
MIN	0.50	2.0	31	40	53	168	388	231	179	41	39	44
AC-FT	1,260	1,820	2,330	2,940	5,120	22,400	27,200	18,820	18,840	5,800	3,480	2,950

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1895 - 2004, BY WATER YEAR (WY)

MEAN	32.9	63.7	96.7	141	254	522	735	750	869	411	73.6	21.9
MAX	259	386	791	762	873	3,267	5,312	6,227	4,630	1,930	636	190
(WY)	(1985)	(1984)	(1984)	(1984)	(1984)	(1983)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)
MIN	0.05	0.10	0.09	0.10	0.16	25.0	57.8	9.79	3.33	0.08	0.08	0.00
(WY)	(1954)	(1955)	(1961)	(1955)	(1955)	(1896)	(1920)	(1918)	(1918)	(1992)	(1954)	(1920)

10327500 HUMBOLDT RIVER AT COMUS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1895 - 2004	
ANNUAL TOTAL	42,529.16		56,946.56			
ANNUAL MEAN	117		156		331	
HIGHEST ANNUAL MEAN					2,022	1984
LOWEST ANNUAL MEAN					36.8	1920
HIGHEST DAILY MEAN	662	Jun 18	656	Mar 27	9,640	Apr 25, 1984
LOWEST DAILY MEAN	0.50	Oct 14	0.50	Oct 14	0.00	Sep 16, 1905
ANNUAL SEVEN-DAY MINIMUM	3.3	Nov 8	3.3	Nov 8	0.00	Jan 1, 1906
MAXIMUM PEAK FLOW			659	Mar 25	9,900	Apr 24, 1984
MAXIMUM PEAK STAGE			5.46	Mar 25	12.25	Apr 24, 1984
ANNUAL RUNOFF (AC-FT)	84,360		113,000		239,500	
10 PERCENT EXCEEDS	255		435		908	
50 PERCENT EXCEEDS	73		60		114	
90 PERCENT EXCEEDS	21		31		1.0	

e Estimated

10329000 LITTLE HUMBOLDT RIVER NEAR PARADISE VALLEY, NV

LOCATION (REVISED).--Lat 41°24'56.96", long 117°22'24.64" referenced to North American Datum of 1983, in NW ¼ SE ¼ sec. 20, T.41 N., R.41 E., Humboldt County, Hydrologic Unit 16040109, on right bank, 3.5 mi downstream from Bull Head Ranch, and 9.5 mi southeast of Paradise Valley.

DRAINAGE AREA.--1,030 mi^2.

PERIOD OF RECORD.--October 1921 to June 1928 (fragmentary), October 1943 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,470 ft, from river-profile map. Prior to November 21, 1946, water-stage recorder at site 1 mi downstream at different datum. November 21, 1946, to August 16, 1972, at site 250 ft upstream at datum 2.21 ft higher, August 16, 1972 to January 7, 1998 at same site at datum 3.0 ft lower.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Chimney Dam Reservoir, capacity, 35,000 acre-ft, 10 mi upstream, since 1975. Records not adjusted for storage. Diversions for irrigation of 4,450 acres, Little Humboldt Decree, above station. Station is above all diversions in Paradise Valley. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to dam, 2,380 ft^3/s, January 21, 1969, gage height, 8.40 ft; maximum discharge after dam completed, 678 ft^3/s, May 15, 1984, gage height, 6.46 ft; minimum daily before dam, 4.0 ft^3/s, January 7, 1970; minimum daily after dam, 4.1 ft^3/s, July 30, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 77 ft^3/s, April 18, gage height, 4.65 ft; minimum daily discharge, 6.5 ft^3/s, September 1, 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	7.1	7.6	8.1	7.3	8.0	28	50	22	7.2	7.0	6.5
2	7.0	7.1	7.6	8.1	7.4	7.8	29	49	22	7.2	6.9	6.5
3	7.0	7.1	7.6	8.0	7.4	7.7	29	49	22	7.3	6.9	6.6
4	7.0	7.1	7.5	7.8	7.4	7.7	30	48	22	7.3	7.2	6.8
5	7.0	7.1	7.6	7.7	7.2	7.6	31	49	21	7.0	7.1	6.9
6	7.0	7.1	7.8	7.7	7.2	7.5	29	49	22	7.0	7.1	6.8
7	7.0	7.1	8.1	7.7	7.3	7.4	22	49	21	7.0	7.0	7.1
8	7.0	7.1	7.8	7.5	7.2	7.5	23	48	21	7.0	7.1	7.2
9	7.0	7.2	7.7	7.5	7.2	7.6	23	47	21	7.0	6.9	7.1
10	7.0	7.2	7.8	7.5	7.0	8.3	29	46	20	6.9	7.0	7.2
11	7.0	7.3	7.8	7.4	7.0	7.8	35	46	20	6.9	7.0	7.3
12	7.0	7.3	7.9	7.5	6.9	8.2	49	44	20	6.9	7.1	7.3
13	7.0	7.3	8.0	7.4	6.9	12	51	43	20	7.0	6.9	7.4
14	7.0	7.3	8.1	7.4	6.9	12	52	42	20	7.1	7.3	7.6
15	7.0	7.4	8.0	7.4	6.8	12	55	40	20	7.1	7.2	7.6
16	7.0	7.4	8.0	7.4	7.0	11	58	39	19	7.0	7.5	7.7
17	7.0	7.4	8.0	7.3	7.0	10	58	42	20	7.1	7.9	7.5
18	7.0	7.2	8.0	7.3	13	9.7	63	41	19	7.2	7.5	7.3
19	7.0	7.4	7.9	7.3	10	9.9	62	28	15	7.2	7.3	7.1
20	7.0	7.4	7.9	7.3	7.7	10	56	27	13	7.1	7.1	7.0
21	7.0	7.5	7.9	7.3	7.3	11	56	27	13	7.0	7.1	6.8
22	7.1	7.4	7.9	7.3	7.4	11	57	26	13	7.1	7.0	6.9
23	7.1	7.3	7.9	7.3	7.8	12	31	25	13	7.1	6.8	6.9
24	7.0	7.3	8.2	7.4	8.0	12	21	24	12	7.1	6.8	6.8
25	7.0	7.3	8.2	7.4	7.7	13	49	24	13	7.2	6.6	6.8
26	7.0	7.4	8.0	7.4	8.2	13	52	24	10	7.2	6.8	6.7
27	7.0	7.3	7.9	7.5	8.4	13	52	24	7.8	7.0	6.7	6.8
28	7.0	7.5	7.9	7.5	8.0	14	51	24	7.5	6.9	6.7	6.9
29	7.1	7.7	8.1	7.6	8.1	14	51	23	7.3	7.0	6.7	6.9
30	7.1	7.8	8.1	7.6	---	15	50	22	7.2	7.0	6.7	6.9
31	7.1	---	8.0	7.4	---	26	---	22	---	7.0	6.6	---
TOTAL	217.5	219.1	244.8	233.0	222.7	333.7	1,282	1,141	503.8	219.1	217.5	210.9
MEAN	7.02	7.30	7.90	7.52	7.68	10.8	42.7	36.8	16.8	7.07	7.02	7.03
MAX	7.1	7.8	8.2	8.1	13	26	63	50	22	7.3	7.9	7.7
MIN	7.0	7.1	7.5	7.3	6.8	7.4	21	22	7.2	6.9	6.6	6.5
AC-FT	431	435	486	462	442	662	2,540	2,260	999	435	431	418

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

MEAN	8.88	9.23	9.36	9.23	10.8	12.7	36.6	62.1	47.1	23.8	17.2	12.0
MAX	28.8	29.1	26.0	25.3	27.4	43.2	188	404	249	78.7	57.9	46.5
(WY)	(1985)	(1985)	(1985)	(1985)	(1985)	(1984)	(1984)	(1984)	(1983)	(1983)	(1983)	(1986)
MIN	6.14	6.75	7.20	6.99	6.85	7.93	7.98	8.00	6.11	6.57	5.94	6.62
(WY)	(1995)	(1989)	(1999)	(1981)	(1995)	(1997)	(1994)	(1992)	(1992)	(1992)	(1992)	(1992)

10329000 LITTLE HUMBOLDT RIVER NEAR PARADISE VALLEY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	3,582.4		5,045.1			
ANNUAL MEAN	9.81		13.8		21.6	
HIGHEST ANNUAL MEAN					80.2	1984
LOWEST ANNUAL MEAN					7.76	1992
HIGHEST DAILY MEAN	37	May 15	63	Apr 18	656	May 17, 1984
LOWEST DAILY MEAN	6.9	Aug 15	6.5	Sep 1	4.1	Jul 30, 1992
ANNUAL SEVEN-DAY MINIMUM	6.9	Aug 15	6.6	Aug 28	4.5	Jul 28, 1992
MAXIMUM PEAK FLOW			77	Apr 18	678	May 15, 1984
MAXIMUM PEAK STAGE			4.65	Apr 18	6.46	May 15, 1984
ANNUAL RUNOFF (AC-FT)	7,110		10,010		15,660	
10 PERCENT EXCEEDS	10		32		49	
50 PERCENT EXCEEDS	7.9		7.5		9.1	
90 PERCENT EXCEEDS	7.0		6.9		7.0	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 1974, BY WATER YEAR (WY)

MEAN	7.73	8.44	9.51	20.1	26.0	38.2	74.4	64.9	30.5	9.58	7.19	7.37
MAX	13.8	15.2	25.9	194	86.5	178	456	268	125	33.2	11.1	12.0
(WY)	(1926)	(1928)	(1965)	(1969)	(1952)	(1972)	(1952)	(1952)	(1952)	(1952)	(1922)	(1923)
MIN	5.65	5.68	5.50	5.75	6.69	8.85	11.1	9.39	6.54	5.58	5.48	5.57
(WY)	(1967)	(1967)	(1967)	(1962)	(1955)	(1955)	(1955)	(1924)	(1966)	(1959)	(1967)	(1951)

SUMMARY STATISTICS	WATER YEARS 1922 - 1974	
ANNUAL MEAN	25.6	
HIGHEST ANNUAL MEAN	88.6	1952
LOWEST ANNUAL MEAN	8.53	1954
HIGHEST DAILY MEAN	2000	Jan 21 1969
LOWEST DAILY MEAN	4.0	Jan 7 1970
ANNUAL SEVEN-DAY MINIMUM	4.6	Jan 30 1962
INSTANTANEOUS PEAK FLOW	2380	Jan 21 1969
INSTANTANEOUS PEAK STAGE	8.40	Jan 21 1969
ANNUAL RUNOFF (AC-FT)	18510	
10 PERCENT EXCEEDS	61	
50 PERCENT EXCEEDS	9.2	
90 PERCENT EXCEEDS	6.3	

HUMBOLDT RIVER BASIN, LITTLE HUMBOLDT RIVER BASIN

10329500 MARTIN CREEK NEAR PARADISE VALLEY, NV

LOCATION.--Lat 41°32'05", long 117°25'01" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec. 12, T.42 N., R.40 E., Humboldt County, Hydrologic Unit 16040109, on left bank, 0.6 mi upstream from Humboldt County Recreation Park, and 7 mi northeast of Paradise Valley.

DRAINAGE AREA.--175.2 mi^2.

PERIOD OF RECORD.--October 1921 to current year.

REVISED RECORDS.--WSP 1514: 1925-27 (M), 1930 (M), 1933 (M), 1938 (M), 1940, 1945; WDR NV-99-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,700 ft above National Geodetic Vertical Datum of 1929, from extension of river-profile map. Prior to October 22, 1946, water-stage recorder at several sites within 400 ft of present site at different datums.

REMARKS.--Records fair. No diversions above station. See schematic diagram of Humboldt River Basin.\

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,000 ft^3/s, January 21, 1943, gage height, 11.10 ft, site and datum then in use, on basis of slope area measurement of peak flow; minimum daily, 2.0 ft^3/s, September 1, 1928.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
March 19	2215	*395	*3.05	No other peaks greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.1	7.7	e8.7	e7.9	9.5	20	93	71	43	13	6.3	6.3
2	7.3	7.6	e9.0	e7.8	e9.5	19	79	75	42	13	6.2	6.3
3	7.7	8.0	e9.3	e7.8	e9.5	18	83	84	41	13	6.3	6.6
4	7.7	8.0	9.6	7.7	e9.6	20	95	97	40	12	6.3	6.8
5	7.4	8.0	9.7	e7.9	e9.6	19	106	111	39	11	6.1	6.9
6	7.2	7.8	10	e8.2	9.7	20	108	111	38	10	6.1	6.4
7	7.1	7.8	13	e8.6	e9.6	23	103	105	37	9.9	6.1	6.3
8	7.2	8.0	12	e9.0	e9.4	33	109	101	35	9.4	6.1	6.3
9	7.1	8.3	11	e9.2	e9.3	51	102	94	33	9.4	6.0	6.3
10	7.1	8.3	11	e9.4	e9.2	89	95	92	36	9.2	5.9	6.3
11	7.3	8.2	11	e9.6	9.1	89	87	89	33	8.8	5.8	6.3
12	7.3	8.2	11	9.7	9.8	105	84	77	29	8.4	5.7	6.4
13	7.5	8.2	12	10	10	143	85	69	26	8.1	5.8	6.6
14	7.6	8.3	12	9.8	13	183	80	62	25	7.7	6.0	6.8
15	7.6	8.6	9.5	9.8	12	195	73	58	24	7.3	6.4	6.9
16	7.6	8.7	9.1	e9.6	14	185	67	55	23	7.1	7.3	6.9
17	7.6	9.2	e9.5	e9.3	14	188	62	54	22	7.0	9.7	6.9
18	7.6	9.0	10	e9.0	20	197	60	54	21	7.4	8.1	6.7
19	7.5	8.8	10	e8.8	32	274	57	55	20	8.6	7.4	7.3
20	7.6	8.8	11	e8.6	23	214	54	55	19	8.3	7.2	7.9
21	7.6	8.9	11	e8.4	21	160	57	53	19	7.7	7.8	7.6
22	7.6	7.6	11	8.3	21	161	56	54	18	7.1	7.2	7.3
23	7.6	7.1	11	9.7	22	153	56	53	17	6.9	7.3	7.3
24	7.6	e7.2	11	11	22	142	56	50	16	6.8	7.3	7.0
25	7.6	e7.3	12	11	22	109	57	48	15	6.8	7.0	6.9
26	7.6	e7.5	10	11	24	95	59	45	15	7.1	7.3	6.9
27	7.5	7.6	8.2	12	23	96	64	45	14	6.9	7.4	6.9
28	7.5	e7.9	e8.2	12	20	83	74	56	15	6.7	7.1	6.9
29	7.6	e8.2	e8.1	12	19	77	72	57	14	6.5	6.7	7.0
30	7.8	e8.3	e8.0	12	---	83	70	48	13	6.4	6.6	7.1
31	7.8	---	e7.9	11	---	90	---	45	---	6.4	6.4	---
TOTAL	231.9	243.1	314.8	296.1	445.8	3,334	2,303	2,123	782	263.9	208.9	204.1
MEAN	7.48	8.10	10.2	9.55	15.4	108	76.8	68.5	26.1	8.51	6.74	6.80
MAX	7.8	9.2	13	12	32	274	109	111	43	13	9.7	7.9
MIN	7.1	7.1	7.9	7.7	9.1	18	54	45	13	6.4	5.7	6.3
MED	7.6	8.1	10	9.4	13	95	73	57	23	7.7	6.4	6.9
AC-FT	460	482	624	587	884	6,610	4,570	4,210	1,550	523	414	405

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2004, BY WATER YEAR (WY)

MEAN	7.77	9.53	12.0	19.6	31.2	55.8	88.1	110	54.9	11.8	5.93	6.18
MAX	13.8	19.6	70.4	149	291	219	441	500	319	50.1	13.2	9.00
(WY)	(2001)	(1982)	(1965)	(1943)	(1986)	(1986)	(1952)	(1984)	(1983)	(1983)	(1983)	(1984)
MIN	4.97	5.10	5.00	5.87	7.14	9.83	14.0	14.7	6.43	4.65	3.64	4.20
(WY)	(1932)	(1932)	(1931)	(1937)	(1929)	(1977)	(1931)	(1931)	(1931)	(1931)	(1981)	(1937)

10329500 MARTIN CREEK NEAR PARADISE VALLEY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1922 - 2004	
ANNUAL TOTAL	6,677.5		10,750.6			
ANNUAL MEAN	18.3		29.4		34.4	
HIGHEST ANNUAL MEAN					108	1984
LOWEST ANNUAL MEAN					8.18	1931
HIGHEST DAILY MEAN	107	May 30	274	Mar 19	2,500	Jan 21, 1943
LOWEST DAILY MEAN	5.4	Jul 31	5.7	Aug 12	2.0	Sep 1, 1928
ANNUAL SEVEN-DAY MINIMUM	5.4	Aug 14	5.9	Aug 8	2.0	Sep 1, 1928
MAXIMUM PEAK FLOW			395	Mar 19	9,000	Jan 21, 1943
MAXIMUM PEAK STAGE			3.05	Mar 19	11.10	Jan 21, 1943
ANNUAL RUNOFF (AC-FT)	13,240		21,320		24,900	
10 PERCENT EXCEEDS	41		86		95	
50 PERCENT EXCEEDS	11		9.6		10	
90 PERCENT EXCEEDS	6.2		6.8		5.7	

e Estimated

HUMBOLDT RIVER BASIN, LOWER HUMBOLDT RIVER BASIN

10333000 HUMBOLDT RIVER NEAR IMLAY, NV

LOCATION.--Lat 40°41'33", long 118°12'12" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec. 25, T.33 N., R.33 E., Pershing County, Hydrologic Unit 16040108, on right bank, 1 mi upstream from Callahan bridge, 4 mi northwest of Imlay, and at mi 75.00 above Derby Road bridge.

DRAINAGE AREA.--15,503.9 mi^2.

PERIOD OF RECORD.--June 1935 to December 1941, April 1945 to current year.

REVISED RECORDS.--WSP 1714: Drainage area; WDR NV-99-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,130 ft above National Geodetic Vertical Datum of 1929, from Geological Survey vertical-angle bench mark. Prior to April 28, 1945, at site 1 mi downstream at different datum. April 28, 1945, to August 20, 1947, at present site at datum 1 ft higher.

REMARKS.--Records good except for estimated daily discharges and discharges below 1 cfs, which are poor. Humboldt-Lovelock Irrigation, Light and Power Co.'s feeder canal diverts water at times from river above station to Pitt-Taylor Reservoirs. Flow affected by many diversions above station for irrigation. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,270 ft^3/s, May 27, 1984, gage height, 13.20 ft; no flow at times, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 538 ft^3/s, March 31, gage height, 5.52 ft; minimum daily discharge, 0.46 ft^3/s, October 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.46	9.3	e19	e38	55	151	464	132	84	176	45	26
2	0.64	9.5	e21	e41	56	153	426	118	66	162	42	24
3	0.76	11	e24	e44	e56	155	411	133	59	129	39	23
4	1.1	13	e25	45	e56	159	428	166	70	120	37	24
5	1.5	13	31	48	e56	163	413	165	68	111	35	26
6	1.8	13	31	e49	e57	165	418	165	68	105	33	25
7	1.6	14	31	e50	e57	164	421	151	69	105	32	24
8	1.6	15	31	e52	e58	165	387	127	69	153	30	24
9	2.3	17	28	e53	e58	164	388	119	66	156	28	24
10	5.1	18	30	e54	e58	161	383	116	69	152	28	24
11	5.6	19	32	e55	e58	163	374	114	100	155	31	24
12	5.4	18	33	e55	e58	e169	371	103	191	209	31	23
13	5.7	19	36	e55	e59	e175	371	96	218	173	29	23
14	6.5	18	38	e56	57	e181	360	92	222	147	27	23
15	6.7	17	40	e56	e57	e187	259	137	237	134	27	23
16	7.2	16	e44	e56	e58	e193	189	179	305	125	27	23
17	6.9	14	e43	e56	e59	e199	225	164	235	117	27	23
18	6.2	13	39	e57	e60	207	263	160	214	109	26	21
19	5.5	11	41	e57	e62	223	280	157	214	105	26	22
20	5.0	10	40	58	e70	236	278	159	212	100	26	25
21	4.6	9.8	45	e55	81	253	178	159	212	93	26	28
22	4.4	10	42	e53	88	264	142	156	205	89	26	28
23	4.2	10	41	e53	96	295	169	154	210	84	28	29
24	4.0	11	36	e52	105	327	130	142	240	79	30	30
25	4.0	e10	36	e52	114	329	123	127	217	69	29	30
26	4.3	e10	37	e51	124	220	151	118	205	66	28	30
27	8.0	e10	e34	e50	131	216	189	112	196	65	28	29
28	11	e10	31	e51	140	237	278	105	193	61	29	29
29	11	e11	e32	e52	145	271	225	98	187	57	29	29
30	11	e13	e33	e53	---	328	166	98	174	52	27	28
31	9.9	---	e36	e54	---	511	---	100	---	48	27	---
TOTAL	153.96	392.6	1,060	1,611	2,189	6,784	8,860	4,122	4,875	3,506	933	764
MEAN	4.97	13.1	34.2	52.0	75.5	219	295	133	162	113	30.1	25.5
MAX	11	19	45	58	145	511	464	179	305	209	45	30
MIN	0.46	9.3	19	38	55	151	123	92	59	48	26	21
AC-FT	305	779	2,100	3,200	4,340	13,460	17,570	8,180	9,670	6,950	1,850	1,520

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2004, BY WATER YEAR (WY)

MEAN	41.2	61.1	87.9	118	183	378	541	607	678	449	115	42.2
MAX	301	412	685	779	991	1,991	4,489	6,223	5,355	2,340	936	292
(WY)	(1985)	(1985)	(1984)	(1984)	(1984)	(1986)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)
MIN	0.00	0.00	0.00	0.00	0.00	33.7	45.8	16.5	1.76	0.75	0.00	0.00
(WY)	(1936)	(1936)	(1936)	(1940)	(1941)	(1955)	(1955)	(1992)	(1992)	(1992)	(1992)	(1992)

10333000 HUMBOLDT RIVER NEAR IMLAY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1935 - 2004	
ANNUAL TOTAL	25,387.27		35,250.56			
ANNUAL MEAN	69.6		96.3		272	
HIGHEST ANNUAL MEAN					2,017	1984
LOWEST ANNUAL MEAN					26.0	1955
HIGHEST DAILY MEAN	375	Jun 27	511	Mar 31	9,190	May 27, 1984
LOWEST DAILY MEAN	0.39	Sep 30	0.46	Oct 1	0.00	Jun 1, 1935
ANNUAL SEVEN-DAY MINIMUM	0.49	Sep 25	1.1	Oct 1	0.00	Jun 1, 1935
MAXIMUM PEAK FLOW			538	Mar 31	9,270	May 27, 1984
MAXIMUM PEAK STAGE			5.52	Mar 31	13.20	May 27, 1984
ANNUAL RUNOFF (AC-FT)	50,360		69,920		196,900	
10 PERCENT EXCEEDS	141		222		686	
50 PERCENT EXCEEDS	56		56		95	
90 PERCENT EXCEEDS	3.9		10		10	

e Estimated

HUMBOLDT RIVER BASIN, LITTLE HUMBOLDT RIVER BASIN

10334500 RYE PATCH RESERVOIR NEAR RYE PATCH, NV

LOCATION.--Lat 40°28'15", long 118°18'30" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec. 18, T.30 N., R.33 E., Humboldt County, Hydrologic Unit 16040108, on right bank, 1,100 ft downstream from Rye Patch Dam, 1.5 mi northwest of Rye Patch and at mi 49.45 above Derby Road bridge.

DRAINAGE AREA.--16,100 mi^2.

PERIOD OF RECORD.--February 1936 to current year.

REVISED RECORDS.--WSP 1714: Drainage area.

GAGE.--Staff gage on dam read daily when water level is high enough. When level is low, surface elevation obtained by levels.

COOPERATION.--Records of daily elevation and storage furnished by Pershing County Water Conservation District.

REMARKS.-- See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 200,400 acre-ft, June 9, 1998, elevation, 4,136.5 ft; no contents, August 7-11, 1955, May 12 to June 13, 1961, July 17, 1992, and August 11-13, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 31,700 acre-ft, April 4, elevation, 4,115.0 ft; minimum observed, 10,480 acre-ft, October 1, November 1, elevation, 4,103.3 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10,480	10,480	10,900	12,540	---	---	---	31,320	24,400	18,200	15,660	11,000
2	---	---	---	---	---	17,600	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	31,700	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	14,760	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX												
MIN												

HUMBOLDT RIVER BASIN, LOWER HUMBOLDT RIVER BASIN

10335000 HUMBOLDT RIVER NEAR RYE PATCH, NV

LOCATION.--Lat 40°28'03", long 118°18'24" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec. 18, T.30 N., R.33 E., Pershing County, Hydrologic Unit 16040108, on right bank, 1,100 ft downstream from Rye Patch Dam, 1.5 mi northwest of Rye Patch, and at mi 49.45 above Derby Road bridge.

DRAINAGE AREA.--16,100 mi^2, approximately.

PERIOD OF RECORD.--January 1896 to June 1898, June 1899 to December 1909, September 1910 to June 1917, September 1917 to September 1922, September 1924 to September 1930 (fragmentary), October 1930 to September 1932, October 1935 to September 1941, October 1943 to current year. Prior to October 1935, published as "Near Oreana."

REVISED RECORDS.--WSP 1714: Drainage area; WDR-NV-00-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,070. ft, above National Geodetic Vertical Datum of 1929 from topographic map. Prior to October 1, 1935, water-stage recorder or nonrecording gages at several sites about 7 mi downstream at different datum. October 1, 1935, to October 13, 1945, water-stage recorder at site 0.5 mi upstream at different datum. October 14, 1945, to April 9, 1991, water-stage recorder at site 75 ft downstream at datum 5.00 ft higher. April 9, 1991 to September 30, 1998, water-stage recorder at site 100 ft upstream on opposite bank, at same datum.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by Rye Patch Reservoir (station 10334500) since 1936. Records not adjusted for storage. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to dam, 3,050 ft^3/s, May 12, 1897, gage height, 12.0 ft, (datum then in use); maximum discharge after dam completed, 7,960 ft^3/s, May 28, 1984, gage height, 13.65 ft (datum then in use); no flow at times in some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 557 ft^3/s, June 29, gage height, 7.12 ft; minimum daily discharge, 0.04 ft^3/s, November 10.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.24	0.07	0.11	0.51	0.31	0.25	0.51	365	23	354	163	49
2	0.22	0.07	0.12	0.42	0.35	0.18	0.53	452	24	254	235	94
3	0.20	0.06	0.16	0.40	0.30	0.25	0.95	463	8.7	135	128	133
4	0.17	0.06	0.17	0.27	0.29	0.46	162	478	0.78	93	145	143
5	0.17	0.06	0.17	0.20	0.29	0.23	455	489	1.2	16	180	166
6	0.13	0.06	0.17	0.18	0.32	0.22	197	468	1.6	8.8	243	97
7	0.13	0.05	0.17	0.19	0.33	0.21	129	411	2.0	43	192	80
8	0.14	0.05	0.19	0.17	0.28	0.23	113	447	2.2	8.7	140	43
9	0.14	0.05	0.22	0.17	0.20	0.20	106	391	41	72	99	43
10	0.11	0.04	0.24	0.17	0.22	0.11	103	404	58	82	107	44
11	0.13	0.05	0.21	0.19	0.21	0.13	137	374	58	92	49	43
12	0.13	0.06	0.27	0.24	0.22	0.15	125	276	57	132	34	42
13	0.12	0.07	0.23	0.25	0.22	0.16	120	225	113	137	48	73
14	0.10	0.07	0.29	0.28	0.22	0.16	122	216	120	130	51	52
15	0.10	0.07	0.28	0.29	0.22	0.17	123	173	190	128	142	16
16	0.10	0.07	0.31	0.29	0.25	0.15	124	144	162	128	176	2.5
17	0.10	0.07	0.36	0.29	0.28	0.14	109	122	287	130	166	2.7
18	0.09	0.08	0.37	0.29	0.29	0.16	65	71	268	98	108	2.8
19	0.10	0.08	0.38	0.30	0.25	0.17	143	56	236	102	99	3.0
20	0.10	0.08	0.52	0.27	0.23	0.15	276	55	236	70	99	3.1
21	0.09	0.08	0.62	0.25	0.25	0.15	257	55	227	71	100	2.8
22	0.09	0.09	0.42	0.23	0.27	0.17	256	47	310	72	25	32
23	0.09	0.09	0.44	0.22	0.30	0.19	223	21	370	72	7.7	68
24	0.09	0.09	0.50	0.21	0.30	0.19	232	23	419	73	42	50
25	0.08	0.09	0.43	0.20	0.37	0.28	301	27	304	73	14	71
26	0.08	0.09	0.42	0.23	0.31	0.32	306	20	262	127	9.9	71
27	0.08	0.09	0.49	0.31	0.23	0.41	320	20	336	162	48	84
28	0.08	0.11	0.47	0.29	0.22	0.38	345	20	432	235	88	134
29	0.07	0.11	0.47	0.29	0.24	0.51	344	21	540	213	119	80
30	0.07	0.11	0.42	0.27	---	0.56	378	21	473	231	95	13
31	0.07	---	0.40	0.26	---	0.74	---	22	---	206	59	---
TOTAL	3.61	2.22	10.02	8.13	7.77	7.78	5,572.99	6,377	5,562.48	3,748.5	3,211.6	1,737.9
MEAN	0.12	0.07	0.32	0.26	0.27	0.25	186	206	185	121	104	57.9
MAX	0.24	0.11	0.62	0.51	0.37	0.74	455	489	540	354	243	166
MIN	0.07	0.04	0.11	0.17	0.20	0.11	0.51	20	0.78	8.7	7.7	2.5
AC-FT	7.2	4.4	20	16	15	15	11,050	12,650	11,030	7,440	6,370	3,450

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2004, BY WATER YEAR (WY)

MEAN	108	35.7	42.0	66.1	61.7	159	438	628	546	443	262	153
MAX	430	366	979	1,310	1,142	2,206	3,579	6,215	4,981	1,983	990	716
(WY)	(1999)	(1999)	(1984)	(1984)	(1984)	(1983)	(1984)	(1984)	(1984)	(1984)	(1995)	(1995)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.14	104	22.8	1.54	0.42	0.12
(WY)	(1936)	(1936)	(1936)	(1936)	(1936)	(1937)	(1991)	(1955)	(1961)	(1991)	(1961)	(1992)

10335000 HUMBOLDT RIVER NEAR RYE PATCH, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1936 - 2004	
ANNUAL TOTAL	18,912.07		26,250.00			
ANNUAL MEAN	51.8		71.7		246	
HIGHEST ANNUAL MEAN					2,004	1984
LOWEST ANNUAL MEAN					29.2	1955
HIGHEST DAILY MEAN	402	Apr 30	540	Jun 29	7,840	May 29, 1984
LOWEST DAILY MEAN	0.04	Nov 10	0.04	Nov 10	0.00	Oct 1, 1935
ANNUAL SEVEN-DAY MINIMUM	0.05	Nov 5	0.05	Nov 5	0.00	Oct 1, 1935
MAXIMUM PEAK FLOW			557	Jun 29	7,960	May 28, 1984
MAXIMUM PEAK STAGE			7.12	Jun 29	13.65	May 28, 1984
ANNUAL RUNOFF (AC-FT)	37,510		52,070		178,200	
10 PERCENT EXCEEDS	217		238		568	
50 PERCENT EXCEEDS	0.33		0.59		101	
90 PERCENT EXCEEDS	0.09		0.09		0.15	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 1932, BY WATER YEAR (WY)

MEAN	39.9	42.5	67.4	92.5	163	301	476	527	446	517	159	53.0
MEAN	39.9	42.5	67.4	92.5	163	301	476	527	446	517	159	53.0
MAX	167	192	259	296	672	1319	1757	2692	2113	2003	605	248
(WY)	(1908)	(1908)	(1900)	(1914)	(1914)	(1901)	(1907)	(1897)	(1897)	(1899)	(1899)	(1907)
MIN	0.00	0.00	0.00	0.00	0.00	16.3	7.83	13.2	0.033	0.00	0.00	0.00
(WY)	(1931)	(1931)	(1931)	(1931)	(1931)	(1920)	(1920)	(1905)	(1920)	(1920)	(1931)	(1931)

SUMMARY STATISTICS	WATER YEARS 1896 - 1932	
ANNUAL MEAN	228	
HIGHEST ANNUAL MEAN	702	1907
LOWEST ANNUAL MEAN	8.57	1920
HIGHEST DAILY MEAN	3050	May 12 1897
LOWEST DAILY MEAN	.00	Jun 19 1905
ANNUAL SEVEN-DAY MINIMUM	.00	Jun 22 1905
INSTANTANEOUS PEAK FLOW	3050	May 12 1897
INSTANTANEOUS PEAK STAGE	12.0	May 12 1897
ANNUAL RUNOFF (AC-FT)	165100	
10 PERCENT EXCEEDS	681	
50 PERCENT EXCEEDS	90	
90 PERCENT EXCEEDS	4.0	

10336580 UPPER TRUCKEE RIVER AT SOUTH UPPER TRUCKEE ROAD NEAR MEYERS CA

LOCATION.--Lat 38°47'47", long 120°01'05" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec. 17, T.11 N., R.18 E., El Dorado County, Hydrologic Unit 16050101, on left bank, 0.25 mi upstream from bridge, 0.5 mi upstream of confluence of Big Meadow and Grass Lake Creeks, 0.5 mi west of State Highway 89, and 4.0 mi south of Meyers, California.

DRAINAGE AREA.--14.09 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,490 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 1, 1991, at site 1,200 ft downstream at datum 2.54 higher.

REMARKS.--Records fair except for estimated discharges which are poor. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,010 ft^3/s, January 2, 1997, gage height, 11.31 ft; minimum daily, 0.76 ft^3/s, September 1, 1990.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 4	2015	226	7.31	May 28	0445	*277	*7.62

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	2.5	3.4	e5.9	e5.1	6.5	51	117	99	18	3.8	1.2
2	1.6	2.4	3.4	e6.0	e5.1	6.5	42	148	100	18	3.5	1.2
3	1.6	2.6	e2.9	e6.0	e5.1	6.2	48	165	98	18	3.4	1.2
4	1.6	2.5	e3.3	e6.0	e5.1	6.1	71	177	89	16	3.3	1.2
5	1.6	2.6	e5.0	e6.1	e5.0	6.0	86	181	85	15	3.2	1.2
6	1.7	2.5	e6.0	e6.1	e5.0	6.2	78	149	84	14	3.0	1.3
7	1.7	2.6	e6.0	e6.2	e5.0	7.1	67	127	75	13	3.0	1.4
8	1.6	2.7	e5.9	e6.1	e5.0	9.7	75	130	61	12	2.8	1.3
9	1.7	e3.1	e5.9	e6.1	e5.0	14	80	131	52	11	2.7	1.3
10	1.8	e3.2	e5.8	e6.0	e5.0	18	81	119	47	10	2.5	1.4
11	1.9	3.2	e5.8	e5.9	e5.0	20	81	92	47	9.4	2.3	1.4
12	1.8	3.1	e5.7	e5.9	e5.0	21	92	76	47	8.9	2.3	1.4
13	1.9	3.1	e5.7	e5.8	e5.0	23	89	83	49	8.4	2.3	1.5
14	2.0	3.0	e5.6	e5.8	e5.0	28	70	102	50	7.8	2.2	1.6
15	1.9	3.2	e5.6	e5.7	e5.0	38	59	108	48	7.2	2.2	1.8
16	1.9	3.1	e5.4	e5.6	e5.0	39	50	109	47	6.9	2.3	1.8
17	1.8	3.2	e5.4	e5.6	e5.0	40	45	111	44	6.8	2.1	1.8
18	1.8	3.1	e5.4	e5.5	e5.0	48	41	96	41	6.5	2.1	1.5
19	1.6	3.2	e5.5	e5.5	e7.5	60	38	83	39	6.3	2.1	1.5
20	1.7	e3.1	e5.5	e5.4	9.7	63	38	82	35	6.0	2.0	1.5
21	1.7	3.1	e5.5	e5.4	9.0	77	39	76	33	5.6	2.0	1.3
22	1.8	2.8	e5.6	e5.3	8.4	79	38	76	31	5.3	2.0	1.3
23	1.7	2.8	e5.6	e5.3	7.9	79	39	79	30	5.0	2.0	1.3
24	1.8	2.9	e5.7	e5.3	7.3	68	54	78	27	4.9	2.1	1.3
25	1.8	2.8	e5.7	e5.2	8.0	53	75	77	24	4.6	2.0	1.4
26	1.8	2.7	e5.7	e5.2	10	40	99	78	22	4.4	1.9	1.4
27	1.8	2.6	e5.8	e5.2	8.8	32	126	97	21	4.1	1.5	1.4
28	2.0	2.8	e5.8	e5.2	7.2	32	137	192	19	4.2	1.4	1.6
29	2.0	3.2	e5.9	e5.1	6.6	42	112	112	19	3.7	1.3	1.7
30	2.1	3.2	e5.9	e5.1	---	54	99	100	19	3.7	1.3	1.8
31	2.4	---	e5.9	e5.1	---	56	---	98	---	3.7	1.2	---
TOTAL	55.8	86.9	166.3	174.6	180.8	1,078.3	2,100	3,449	1,482	268.4	71.8	43.0
MEAN	1.80	2.90	5.36	5.63	6.23	34.8	70.0	111	49.4	8.66	2.32	1.43
MAX	2.4	3.2	6.0	6.2	10	79	137	192	100	18	3.8	1.8
MIN	1.6	2.4	2.9	5.1	5.0	6.0	38	76	19	3.7	1.2	1.2
AC-FT	111	172	330	346	359	2,140	4,170	6,840	2,940	532	142	85

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	2.98	5.79	8.22	15.7	11.2	21.3	52.5	133	115	40.8	8.43	3.34
MAX	5.72	20.7	37.4	120	39.2	41.3	102	216	329	220	45.9	10.4
(WY)	(1999)	(1997)	(1997)	(1997)	(1996)	(1995)	(1997)	(1996)	(1995)	(1995)	(1995)	(1998)
MIN	1.62	2.13	1.69	1.57	2.95	6.64	15.1	51.2	12.1	3.40	1.64	1.30
(WY)	(2002)	(1991)	(1991)	(1991)	(2001)	(1991)	(1991)	(1992)	(1992)	(1994)	(1994)	(1991)

10336580 UPPER TRUCKEE RIVER AT SOUTH UPPER TRUCKEE ROAD NEAR MEYERS CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	11,351.3		9,156.9			
ANNUAL MEAN	31.1		25.0		35.6	
HIGHEST ANNUAL MEAN					72.3	1995
LOWEST ANNUAL MEAN					14.1	1994
HIGHEST DAILY MEAN	350	May 29	192	May 28	1,130	Jan 2, 1997
LOWEST DAILY MEAN	1.6	Aug 30	1.2	Aug 31	0.76	Sep 1, 1990
ANNUAL SEVEN-DAY MINIMUM	1.6	Sep 28	1.2	Aug 30	0.97	Aug 29, 1990
MAXIMUM PEAK FLOW			277	May 28	2,010	Jan 2, 1997
MAXIMUM PEAK STAGE			7.62	May 28	11.31	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	22,520		18,160		25,820	
10 PERCENT EXCEEDS	108		83		111	
50 PERCENT EXCEEDS	7.1		5.7		7.8	
90 PERCENT EXCEEDS	1.9		1.7		2.0	

e Estimated

10336500 PYRAMID LAKE NEAR NIXON, NV

LOCATION.--Lat 39°59'05", long 119°30'00" referenced to North American Datum of 1927, Washoe County, Hydrologic Unit 16050103, 0.25 mi north of the Pyramid, 1.6 mi northeast of Anaho Island, and 13 mi northwest of Nixon.

DRAINAGE AREA.--2,720 mi^2.

PERIOD OF RECORD.--1867-1925 (occasional elevations in some years), June 1926 to current year (occasional elevations in each year).

REVISED RECORDS.--WSP 880: 1934-38 (bench mark). WSP 1090: 1926 (M). WRD NV-67-1: 1966.

GAGE.--Nonrecording gage. Datum of gage is 3,940.29 ft, above National Geodetic Vertical Datum of 1929 (U.S. Coast and Geodetic Survey Bench Mark N-21), supplementary adjustment of 1956. Prior to January 1934, elevations were determined from Bench Mark No. 1 of General Lake Office using elevation of 3,882.26 ft, adjustment of 1912; to convert these records to present datum, add 0.81 ft. January 1934 to September 1955 elevations were determined from Bench Mark N-21 using elevations of 3,940.04 ft, datum of 1929; to convert these records to present datum add 0.25 ft October 1955 to August 1968, non recording gages along southwest lake shore at present datum, September 1986 to current year, nonrecording gage along east lake shore near the Pyramid.

REMARKS.--Truckee Canal diverts water out of the basin to Lahontan Reservoir (station 10312100). Elevations are given to the nearest 0.1 ft and contents to four significant figures to reflect trends of change. Any single observation, however, may be affected by wind and seiche movements on the lake surface. Elevations published in WSP 1314 for 1867 and 1871 (3,875.9 and 3,884.9 ft, respectively) have been revised to 3,867 and 3,876 ft, respectively, on the basis the data and conclusions of Hardman and Venstrom (American Geophysical Union Transactions, 1941, p. 71-90), and Harding (University of California Archives Report 16, 1965). See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 3,877.9 ft, in 1891; minimum observed, 3,783.9 ft, February 6 and March 6 1967.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 22,762,000 acre-ft, October 31, elevation 3,809.2 ft; minimum contents observed, 22,498,000 acre-ft, September 1, elevation 3806.9 ft.

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND TOTAL CONTENTS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30	3809.4	22,784,000	--
October 31	3809.2	22,762,000	-22,000
November 30	3808.7	22,704,000	-58,000
December 31	3808.7	22,704,000	0
CALENDAR YEAR 2003	--		-201,000
January 31	3808.6	22,692,000	-12,000
February 29	3808.4	22,668,000	-24,000
March 31	3808.2	22,644,000	-24,000
April 30	3808.2	22,644,000	0
May 31	3808.0	22,620,000	-24,000
June 30	3807.8	22,598,000	-22,000
July 31	3807.4	22,554,000	-44,000
August 31	3806.9	22,498,000	-56,000
September 30	3806.4	22,438,000	-60,000
WATER YEAR 2004	--	--	-346,000

NOTE.--Monthend elevations are interpolated from readings made during the year.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: September 1997 to September 2003, discontinued.

INSTRUMENTATION.--Water temperature recorder September 1997 to September 2003, two times per hour.

REMARKS.--In November 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Water temperature data for September 1997 are unpublished but are available from U.S. Geological Survey, Carson City, NV.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum recorded, 17.0°C, July 2, 3, 2001, July 14, 2002, July 21, 22, 24, 2003; minimum, freezing point on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
09...	1410	1.7	--	--	--	--	56	19.5	8.6	--	.11	.003	.002
NOV													
04...	1405	3.1	--	--	--	--	54	1.5	1.5	--	.10	<.003	.003
DEC													
05...	1435	E5.0	598	11.1	101	7.7	40	3.5	1.5	.10	.18	.003	.010
JAN													
08...	1450	E6.1	--	--	--	--	39	1.5	1.0	--	.12	.003	.025
FEB													
04...	1330	E5.1	--	--	--	--	37	.5	.0	--	.09	.004	.023
MAR													
03...	1425	6.3	596	10.9	99	7.5	37	3.0	1.4	.10	.11	.005	.020
18...	1250	38	--	--	--	--	24	14.5	2.5	.11	.15	<.003	.018
APR													
08...	1235	66	--	--	--	--	18	11.5	3.5	--	.09	.004	.009
13...	1105	83	--	--	--	--	18	10.0	3.0	.12	.12	.005	.012
22...	1345	38	--	--	--	--	26	6.0	4.0	.11	.23	<.003	.013
26...	1445	80	--	--	--	--	21	19.0	6.5	.07	.16	.005	.015
MAY													
03...	1625	158	--	--	--	--	18	19.0	7.5	.11	.34	.005	.010
17...	1315	94	--	--	--	--	20	14.0	7.0	.10	.10	.004	.007
JUN													
02...	1010	89	601	9.1	96	7.4	21	21.0	7.4	.12	.09	.005	.005
14...	1400	42	--	--	--	--	24	20.5	12.0	.09	.10	.003	.005
JUL													
07...	1420	12	--	--	--	--	34	23.0	15.0	--	.11	.003	.005
AUG													
03...	1610	3.4	--	--	--	--	50	21.5	13.5	--	.11	.004	.022
SEP													
07...	1030	1.4	605	8.4	92	7.5	54	15.0	9.3	.09	.14	.007	.019

10336580 UPPER TRUCKEE RIVER AT SOUTH UPPER TRUCKEE ROAD NEAR MEYERS CA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
09...	.019	.029	.035	1	<.01
NOV					
04...	.015	.021	.025	2	.02
DEC					
05...	.018	.023	.039	6	E.08
JAN					
08...	.009	.013	.017	<1	E.02
FEB					
04...	.009	.017	.017	<1	E.01
MAR					
03...	.007	.018	.019	1	.02
18...	.003	.009	.013	3	.31
APR					
08...	.004	.010	.018	3	.53
13...	.003	.009	.013	9	2.0
22...	.007	.012	.015	4	.41
26...	.004	.008	.015	3	.65
MAY					
03...	.006	.011	.030	13	5.5
17...	.006	.015	.019	2	.51
JUN					
02...	.007	.013	.019	3	.72
14...	.009	.014	.021	1	.11
JUL					
07...	.013	.021	.034	3	.10
AUG					
03...	.021	.040	.049	1	.01
SEP					
07...	.022	.031	.044	3	.01

Remark codes used in this table:
< -- Less than
E -- Estimated value

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

10336608 ECHO LAKE NEAR PHILLIPS, CA

LOCATION.—Lat 38°50'05", long 120°02'36", in NE ¼ NE ¼ sec.1, T.11 N., R.17 E., El Dorado County, Hydrologic Unit 16050101, Eldorado National Forest, at right end of dam on Lower Echo Lake, near valve outlet to Echo Lake Conduit, and 2.0 mi northeast of Phillips.

DRAINAGE AREA.—4.84 mi^2.

PERIOD OF RECORD.—October 1991 to current year. Unpublished records for 1981–91 water years are available in files of the U.S. Geological Survey.

GAGE.—Water-stage recorder. Prior to Dec. 3, 1991, nonrecording gage read periodically. Elevation of gage is 7,414 ft above NGVD of 1929, from topographic map.

REMARKS.—Record not computed for the winter months. Reservoir is formed by concrete dam completed in 1922 and rebuilt in 1992; storage began in 1922. Usable capacity, 1,890 acre-ft, between gage heights 0.0 ft, spillway crest, and 6.0 ft, top of flashboards. Water is released via Echo Lake Conduit (station 11434500) to the South Fork American River for power and domestic use. Records from Dec. 3, 1991, including extremes, represent usable contents at 2400 hours. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

COOPERATION.—Records were collected by El Dorado Irrigation District, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 184.

Capacity table (gage height, in feet, and contents, in acre-feet)
(Based on survey by El Dorado Irrigation District in 2000)

0	0	2	631	4	1,279	6	1,943
1	315	3	955	5	1,611		

RESERVOIR STORAGE, ACRE FEET, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1190	230	---	---	---	---	---	---	1740	1930	1820	1630
2	1170	221	---	---	---	---	---	---	1780	1940	1810	1610
3	1140	233	---	---	---	---	---	---	1800	1940	1810	1600
4	1100	233	---	---	---	---	---	---	1810	1940	1790	1590
5	1080	205	---	---	---	---	---	---	1800	1930	1780	1580
6	1060	152	---	---	---	---	---	495	1790	1930	1780	1570
7	1030	117	---	---	---	---	---	657	1810	1930	1770	1540
8	1000	---	---	---	---	---	---	696	1820	1940	1760	1490
9	981	---	---	---	---	---	---	757	1840	1930	1760	1440
10	929	---	---	---	---	---	---	806	1820	1920	1750	1390
11	890	---	---	---	---	---	---	893	1830	1930	1750	1350
12	867	---	---	---	---	---	---	936	1850	1920	1740	1290
13	838	---	---	---	---	---	---	974	1870	1920	1740	1220
14	803	---	---	---	---	---	---	1010	1890	1910	1730	1170
15	764	---	---	---	---	---	---	1060	1900	1900	1730	1120
16	731	---	---	---	---	---	---	1120	1920	1900	1730	1080
17	702	---	---	---	---	---	---	1110	1930	1900	1720	1010
18	673	---	---	---	---	---	---	1210	1930	1890	1720	1020
19	634	---	---	---	---	---	---	1240	1940	1890	1710	1000
20	593	---	---	---	---	---	---	1280	1930	1890	1710	974
21	558	---	---	---	---	---	---	1330	1930	1880	1700	958
22	524	---	---	---	---	---	---	1370	1930	1880	1700	942
23	476	---	---	---	---	---	---	1380	1920	1880	1680	929
24	438	---	---	---	---	---	---	1410	1920	1880	1690	916
25	403	---	---	---	---	---	---	1450	1920	1870	1670	903
26	372	---	---	---	---	---	---	1490	1920	1870	1640	897
27	347	---	---	---	---	---	---	1570	1920	1860	1640	880
28	302	---	---	---	---	---	---	1720	1930	1860	1640	861
29	274	---	---	---	---	---	---	1730	1930	1850	1640	835
30	252	---	---	---	---	---	---	1730	1940	1840	1620	793
31	249	---	---	---	---	---	---	1730	---	1830	1620	---
MAX	1190	--	---	---	---	---	---	--	1940	1940	1820	1630
MIN	249	--	---	---	---	---	---	--	1740	1830	1620	793
a	0.79							5.35	5.98	5.66	5.03	2.50
b	-961								+210	-110	-210	-827
c	865	37	0	0	0	0	0	0	0	0	0	663

CAL YR 2003 c 1260
WTR YR 2004 b -417 c 1570

a Gage height, in feet, at end of month.
b Change in contents, in acre-feet.
c Release, in acre-feet, through Echo Lake Conduit (station 11434500), provided by El Dorado Irrigation District.

TRUCKEE RIVER BASIN, LAKE TAHOE

103366092 UPPER TRUCKEE RIVER AT HIGHWAY 50 ABOVE MEYERS CA

LOCATION.--Lat 38°50'55", long 120°01'34" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 31, T.12 N., R.18 E., El Dorado County, Hydrologic Unit 16050101, on left bank, 500 ft downstream of U.S. Highway 50 bridge, 1 mi southwest of Meyers, and 7.5 mi upstream of Lake Tahoe.

DRAINAGE AREA.--34.28 mi^2. Datum of gage is 6,310 ft., NVGD, from topographic map.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,310 ft above National Geodetic Vertical Datum of 1929, from topographic map. June 1990 to September 5, 1997 at present site, datum 3.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,120 ft^3/s, January 2, 1997, gage height, 8.95 ft; minimum daily, 1.2 ft^3/s, December 22, 1990.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
March 22	2100	235	5.59	May 28	0715	444	6.30
May 4	2245	*447	*6.31				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	5.4	7.3	e27	17	29	141	201	165	34	7.4	4.8
2	4.9	5.2	7.3	e26	e18	e27	121	247	157	33	7.1	4.8
3	4.9	5.6	7.1	e25	e18	e27	126	289	159	34	7.1	4.7
4	4.9	5.0	7.1	25	e19	28	153	326	155	31	6.9	4.8
5	5.0	16	12	22	20	27	177	351	147	30	6.8	4.8
6	4.9	23	28	21	20	26	177	267	140	e28	6.7	4.7
7	4.9	17	e27	22	20	28	162	190	129	e26	6.7	4.7
8	4.9	13	e25	22	19	32	170	200	107	e23	6.6	4.6
9	4.8	16	22	24	18	39	175	215	98	e21	6.4	4.4
10	4.8	14	e22	27	18	49	178	201	88	e18	6.3	4.2
11	4.9	12	e21	26	17	54	173	153	83	e17	6.1	4.1
12	4.8	10	21	25	17	58	185	131	79	e16	6.0	4.1
13	4.8	9.3	e21	23	17	61	187	135	78	e15	6.1	4.1
14	4.8	8.4	e21	22	17	71	161	154	80	e14	6.0	4.2
15	4.7	8.8	22	21	17	89	141	166	79	14	6.2	4.3
16	4.5	8.6	19	20	32	96	126	169	78	13	6.3	4.4
17	4.6	8.9	17	19	57	100	116	181	76	13	6.0	4.3
18	4.9	8.3	15	19	49	115	104	159	71	12	6.0	4.3
19	4.7	8.7	14	18	42	137	96	141	68	12	6.0	4.5
20	4.6	8.7	16	19	37	147	99	137	66	12	6.0	4.9
21	4.6	8.1	17	18	33	169	103	131	60	11	5.5	4.9
22	4.5	6.9	15	18	31	185	97	131	57	11	5.5	4.8
23	4.7	6.6	15	18	28	192	93	135	55	10	5.5	5.0
24	4.7	7.0	e17	18	27	184	108	132	49	9.9	5.6	4.5
25	4.6	6.9	e18	18	e27	164	133	129	43	e9.5	5.5	4.4
26	4.7	6.6	e20	17	e27	139	162	126	39	e9.1	5.4	4.6
27	4.6	6.4	e21	19	e27	117	199	144	37	e8.8	5.4	5.2
28	4.7	6.6	22	19	e27	111	230	301	33	8.6	5.3	4.8
29	4.6	7.3	e24	19	28	119	209	201	33	8.3	5.3	6.6
30	4.8	7.6	e25	19	---	139	183	177	34	7.8	5.1	6.0
31	5.0	---	27	18	---	146	---	172	---	7.7	4.8	---
TOTAL	147.6	281.9	572.8	654	744	2,905	4,485	5,792	2,543	517.7	187.6	140.5
MEAN	4.76	9.40	18.5	21.1	25.7	93.7	150	187	84.8	16.7	6.05	4.68
MAX	5.0	23	28	27	57	192	230	351	165	34	7.4	6.6
MIN	4.5	5.0	7.1	17	17	26	93	126	33	7.7	4.8	4.1
AC-FT	293	559	1,140	1,300	1,480	5,760	8,900	11,490	5,040	1,030	372	279

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	9.11	17.0	21.6	46.3	37.1	64.0	120	270	223	77.3	16.7	10.4
MAX	22.6	78.5	96.4	328	125	132	206	569	709	452	78.6	37.5
(WY)	(1996)	(1997)	(1997)	(1997)	(1996)	(1995)	(1997)	(1993)	(1995)	(1995)	(1995)	(1995)
MIN	3.25	3.33	3.15	4.37	6.69	28.2	47.2	85.0	20.4	4.81	2.28	2.50
(WY)	(2002)	(1991)	(1991)	(1991)	(1991)	(1994)	(1991)	(1992)	(1992)	(1994)	(1994)	(1994)

103366092 UPPER TRUCKEE RIVER AT HIGHWAY 50 ABOVE MEYERS CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	23,213.0		18,971.1			
ANNUAL MEAN	63.6		51.8		77.5	
HIGHEST ANNUAL MEAN					169	1995
LOWEST ANNUAL MEAN					26.1	1994
HIGHEST DAILY MEAN	617	May 29	351	May 5	2,000	Jan 2, 1997
LOWEST DAILY MEAN	4.5	Oct 16	4.1	Sep 11	1.2	Dec 22, 1990
ANNUAL SEVEN-DAY MINIMUM	4.6	Oct 16	4.2	Sep 9	1.8	Dec 20, 1990
MAXIMUM PEAK FLOW			447	May 4	5,120	Jan 2, 1997
MAXIMUM PEAK STAGE			6.31	May 4	8.95	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	46,040		37,630		56,120	
10 PERCENT EXCEEDS	140		162		210	
50 PERCENT EXCEEDS	26		19		24	
90 PERCENT EXCEEDS	5.4		4.8		5.0	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: September 1997 to September 2003, discontinued.

INSTRUMENTATION.--Water temperature recorder September 1997 to September 2003, two times per hour.

REMARKS.--In November 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Water temperature data for September 1997 were not published but are available from the U.S. Geological Survey, Carson City, NV.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 21.0°C, July 14; minimum, freezing point on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
09...	1230	4.8	--	--	--	--	105	20.0	12.0	--	.11	.005	.007
NOV													
04...	1220	5.1	--	--	--	--	100	4.5	2.5	--	.08	<.003	.013
DEC													
05...	1235	11	602	11.1	109	7.7	86	7.0	4.5	.07	.10	<.003	.008
JAN													
09...	1450	25	--	--	--	--	54	8.0	.5	--	.09	.003	.019
FEB													
04...	1125	E19	--	--	--	--	56	.5	.0	--	.09	.003	.011
17...	1440	59	--	--	--	--	43	5.5	1.0	.11	.24	<.003	.019
MAR													
03...	1200	E27	604	11.4	102	7.5	58	4.5	1.2	.09	.12	.006	.014
18...	1025	102	--	--	--	--	42	14.5	2.0	.08	.15	<.003	.018
APR													
08...	1415	162	--	--	--	--	32	18.0	6.0	--	.11	.004	.013
13...	1245	177	--	--	--	--	29	9.5	4.5	.11	.14	.003	.013
22...	1155	95	--	--	--	--	40	4.5	4.5	.10	.16	<.003	.018
26...	1300	147	--	--	--	--	30	21.0	7.0	.06	.16	.005	.015
MAY													
03...	1455	243	--	--	--	--	22	23.0	8.5	.10	.18	<.003	.011
17...	1150	168	--	--	--	--	24	16.5	7.0	.09	.10	.004	.009
JUN													
02...	1200	140	605	8.2	93	7.4	26	22.0	10.6	.06	.23	.006	.005
14...	1220	76	--	--	--	--	32	19.0	12.5	.10	.14	.003	.008
JUL													
07...	1305	E26	--	--	--	--	54	25.0	17.5	--	.12	.003	.006
AUG													
03...	1350	7.1	--	--	--	--	91	22.5	18.5	--	.12	.004	.007
SEP													
07...	1300	4.7	609	8.4	104	7.6	105	20.5	14.6	.09	.17	.009	.015

103366092 UPPER TRUCKEE RIVER AT HIGHWAY 50 ABOVE MEYERS CA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
09...	.004	.012	.014	1	.01
NOV					
04...	.004	.011	.013	2	.03
DEC					
05...	.005	.009	.013	1	.03
JAN					
09...	.003	.008	.009	1	.07
FEB					
04...	.003	.009	.013	<1	E.05
17...	.002	.011	.023	5	.80
MAR					
03...	.002	.008	.012	1	E.07
18...	.002	.009	.015	4	1.1
APR					
08...	.002	.010	.018	3	1.3
13...	.002	.010	.018	6	2.9
22...	.003	.008	.012	2	.51
26...	.003	.007	.014	6	2.4
MAY					
03...	.003	.008	.025	13	8.5
17...	.004	.012	.018	4	1.8
JUN					
02...	.004	.012	.018	5	1.9
14...	.005	.012	.018	10	2.0
JUL					
07...	.005	.015	.020	1	E.07
AUG					
03...	.004	.024	.027	3	.06
SEP					
07...	.003	.013	.032	5	.06

Remark codes used in this table:
< -- Less than
E -- Estimated value

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

10336610 UPPER TRUCKEE RIVER AT SOUTH LAKE TAHOE, CA

LOCATION.--Lat 38°55'21", long 119°59'26" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec. 04, T.12 N., R.18 E., El Dorado County, Hydrologic Unit 16050101, on left bank, 200 ft downstream from U.S. Highway 50 Bridge, 1.0 mi northeast of South Lake Tahoe Post Office, and 1.4 mi upstream from Lake Tahoe.

DRAINAGE AREA.--54.9 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1971 to September 1974, October 1976 to June 1977, October 1977 to June 1978, March 1980 to current year.

GAGE.--Water-stage recorder. Datum of gage is 6,229.04 ft above National Geodetic Vertical Datum of 1929. Prior to April 26, 1984, at datum 2.00 ft higher. Prior to October 19, 1993, at site 200 ft upstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Two small dams may cause slight regulation at times. Some small diversions for domestic use upstream from station. Echo Lake conduit (station 11434500) diverts from Echo Lake (station 10336608), to South Fork American River Basin. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,480 ft^3/s, January 2, 1997, gage height, 9.95 ft; minimum daily, 0.01 ft^3/s, September. 6, 2001.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 5	0245	386	3.61	May 28	1145	*390	*3.63

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	7.4	7.5	e23	19	47	171	217	e165	38	5.7	1.5
2	6.4	7.3	7.8	e23	19	48	149	251	e159	35	5.4	1.5
3	6.6	9.0	7.3	e23	40	46	148	289	157	36	5.2	1.3
4	6.4	7.9	6.9	e22	39	44	170	314	156	34	4.9	1.3
5	5.2	12	13	e23	e40	44	194	340	149	31	4.7	1.4
6	5.3	e15	e15	e23	e39	46	199	303	143	30	4.6	1.8
7	5.2	e18	e18	e24	e38	50	180	221	136	27	4.2	1.8
8	5.0	e20	e20	e24	e38	57	190	223	116	25	4.3	1.5
9	5.3	e20	e20	e25	e36	66	192	235	107	24	4.3	1.3
10	4.2	e20	e20	e25	e34	78	195	233	99	22	3.8	1.3
11	4.9	22	e20	e26	e32	87	187	191	92	21	3.5	1.3
12	5.2	19	e20	e27	e30	92	195	173	89	20	3.4	1.4
13	5.2	17	e20	e28	e29	98	200	168	86	20	3.3	1.3
14	5.6	16	e20	e31	e28	108	179	182	88	19	3.5	1.3
15	5.8	17	e20	33	26	129	162	195	87	18	3.1	1.4
16	5.5	16	e20	30	40	141	146	196	86	18	3.7	1.4
17	5.6	14	e21	28	93	147	138	207	84	18	3.2	1.5
18	5.6	14	25	25	80	160	129	194	79	17	3.0	1.4
19	5.3	14	19	24	72	190	122	174	76	16	3.0	1.2
20	4.7	17	21	22	62	192	125	172	74	15	3.1	2.0
21	4.9	16	22	21	55	212	128	164	69	14	2.5	2.7
22	5.4	12	20	e20	51	229	124	162	64	13	2.5	2.6
23	5.3	14	18	e20	47	235	117	168	64	11	3.5	2.5
24	5.9	14	e18	20	45	225	126	165	e58	11	2.2	2.6
25	5.6	11	e20	21	42	200	145	161	e53	10	2.3	2.5
26	5.6	8.5	e22	e20	e42	179	172	157	47	9.2	2.1	2.6
27	5.3	11	e22	20	e43	156	203	169	44	8.0	2.0	2.5
28	5.4	5.7	e22	e20	e44	145	238	289	40	7.8	2.2	3.4
29	5.3	6.7	e22	20	e44	148	231	224	38	6.8	2.1	4.2
30	4.6	7.7	e22	21	---	166	204	182	39	6.4	e2.0	4.8
31	6.0	---	e22	20	---	172	---	e175	---	6.0	1.6	---
TOTAL	169.2	409.2	571.5	732	1,247	3,937	5,059	6,494	2,744	587.2	104.9	59.3
MEAN	5.46	13.6	18.4	23.6	43.0	127	169	209	91.5	18.9	3.38	1.98
MAX	6.9	22	25	33	93	235	238	340	165	38	5.7	4.8
MIN	4.2	5.7	6.9	20	19	44	117	157	38	6.0	1.6	1.2
AC-FT	336	812	1,130	1,450	2,470	7,810	10,030	12,880	5,440	1,160	208	118

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2004, BY WATER YEAR (WY)

MEAN	14.6	38.2	47.5	63.9	66.6	106	165	301	250	83.2	19.4	12.3
MAX	72.1	225	218	484	307	305	300	567	795	448	102	55.3
(WY)	(1983)	(1984)	(1982)	(1997)	(1986)	(1986)	(1982)	(1982)	(1983)	(1995)	(1983)	(1983)
MIN	2.60	7.36	8.07	8.00	10.5	21.2	64.0	55.3	23.5	4.65	0.51	0.55
(WY)	(1989)	(1991)	(1991)	(1991)	(1991)	(1977)	(1977)	(1977)	(1992)	(1994)	(2001)	(2001)

10336610 UPPER TRUCKEE RIVER AT SOUTH LAKE TAHOE, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1972 - 2004	
ANNUAL TOTAL	30,027.0		22,114.3			
ANNUAL MEAN	82.3		60.4		98.9	
HIGHEST ANNUAL MEAN					203	1983
LOWEST ANNUAL MEAN					29.2	1988
HIGHEST DAILY MEAN	676	May 30	340	May 5	3,150	Jan 2, 1997
LOWEST DAILY MEAN	4.0	Aug 29	1.2	Sep 19	0.01	Sep 6, 2001
ANNUAL SEVEN-DAY MINIMUM	4.2	Aug 25	1.3	Sep 9	0.11	Sep 5, 2001
MAXIMUM PEAK FLOW			390	May 28	5,480	Jan 2, 1997
MAXIMUM PEAK STAGE			3.63	May 28	9.95	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	59,560		43,860		71,680	
10 PERCENT EXCEEDS	195		184		264	
50 PERCENT EXCEEDS	36		22		37	
90 PERCENT EXCEEDS	5.5		2.7		6.5	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972-74, 1978, 1980 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1981 to September 1983.
WATER TEMPERATURE: October 1971 to June 1974, October 1977 to June 1978, March 1980 to September 1992, September 1997 to September 2003, discontinued.
SUSPENDED-SEDIMENT DISCHARGE: October 1971 to June 1974, October 1977 to June 1978, March 1980 to September 1992.

INSTRUMENTATION.--Water temperature recorder September 1997 to September 2003, two times per hour.

REMARKS.--In October 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Water temperature data for September 1997 were not published but are available from the U.S. Geological Survey, Carson City, NV.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 26.5°C, July 26 and August 10, 2001; minimum, freezing point on many days.
SEDIMENT CONCENTRATION: Maximum daily mean, 416 mg/L, March 4, 1991; minimum daily mean, 0 mg/L, several days during most years.
SEDIMENT LOAD: Maximum daily, 781 tons, March 8, 1986; minimum daily, 0 tons, several days during most years.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)
OCT													
09...	1045	5.3	--	--	--	113	18.0	11.6	--	.20	.004	.022	.004
NOV													
04...	1015	7.3	--	--	--	106	2.0	1.5	--	.12	<.003	.030	.006
DEC													
05...	1020	11	604	10.2	7.6	115	8.0	4.0	.11	.18	.003	.013	.007
JAN													
07...	1600	E24	--	--	--	74	3.0	.0	--	.17	.004	.026	.004
FEB													
04...	0935	34	--	--	--	70	-2.0	.0	--	.10	<.003	.028	.004
17...	1150	95	--	--	--	62	2.5	1.0	--	.36	.003	.036	.006
MAR													
03...	0945	38	605	11.2	7.3	71	1.0	.1	.13	.15	.008	.025	.004
08...	1150	56	--	--	--	83	9.0	4.0	.15	.19	.003	.029	.004
15...	1050	126	--	--	--	61	8.5	3.5	.17	.27	<.003	.033	.004
22...	1135	215	--	--	--	44	10.5	3.5	.16	.32	<.003	.038	.003
30...	1525	159	--	--	--	51	13.5	8.5	.17	.16	<.003	.023	.003
APR													
08...	1610	183	--	--	--	38	19.5	8.5	--	.15	.003	.015	.003
13...	1610	191	--	--	--	34	9.5	8.0	.13	.19	.003	.013	.002
22...	1010	126	--	--	--	47	2.5	4.0	.14	.14	<.003	.015	.004
26...	1120	175	--	--	--	33	14.0	6.0	.09	.18	.005	.015	.003
MAY													
03...	1315	280	--	--	--	23	19.5	8.0	.10	.23	<.003	.013	.003
06...	1200	324	--	--	--	20	19.0	6.0	.11	.25	<.003	.012	.003
17...	1010	217	--	--	--	26	12.5	7.0	.13	.16	.005	.010	.005
21...	1210	168	--	--	--	32	10.0	8.0	.09	.12	.003	.011	.004
JUN													
02...	1425	E159	608	7.6	7.4	27	22.5	14.2	.13	.17	.010	.009	.004
14...	1045	95	--	--	--	35	16.0	11.5	.09	.11	.003	.007	.004
30...	1520	40	--	--	--	54	12.0	14.0	--	.23	.003	.024	.007
JUL													
07...	1110	29	--	--	--	59	23.0	17.5	--	.13	.004	.009	.005
AUG													
03...	1120	6.7	--	--	--	99	17.0	16.0	--	.13	.003	.022	.004
SEP													
07...	1450	2.3	610	10.1	8.7	111	29.5	20.0	.17	.24	.006	.014	.005

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT				
09...	.012	.017	1	.01
NOV				
04...	.013	.017	1	.02
DEC				
05...	.014	.026	7	.21
JAN				
07...	.026	.026	3	E.19
FEB				
04...	.011	.018	<1	<.09
17...	.018	.054	20	5.1
MAR				
03...	.009	.019	5	.51
08...	.010	.021	2	.30
15...	.013	.034	13	4.4
22...	.010	.038	23	13
30...	.011	.019	7	3.0
APR				
08...	.009	.021	9	4.5
13...	.009	.018	11	5.7
22...	.009	.014	3	1.0
26...	.007	.018	10	4.7
MAY				
03...	.008	.035	25	19
06...	.009	.035	32	28
17...	.011	.021	10	5.9
21...	.013	.023	3	1.4
JUN				
02...	.011	.019	9	E3.9
14...	.010	.017	3	.77
30...	.017	.036	15	1.6
JUL				
07...	.014	.020	2	.16
AUG				
03...	.025	.031	3	.05
SEP				
07...	.015	.030	5	.03

Remark codes used in this table:
< -- Less than
E -- Estimated value

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

10336645 GENERAL CREEK NEAR MEEKS BAY, CA

LOCATION.—Lat 39°03'07", long 120°07'03", in NE ¼ NE ¼ sec.20, T.14 N., R.17 E., El Dorado County, Hydrologic Unit 16050101, on right bank, 200 ft upstream from State Highway 89, 0.4 mi upstream from Lake Tahoe, and 1.1 mi north of Meeks Bay.

DRAINAGE AREA.—7.44 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1980 to current year.

GAGE.—Water-stage recorder. Datum of gage is 6,250.38 ft above NGVD of 1929.

REMARKS.—Records good except for estimated daily discharges, which are fair. No known diversion or regulation upstream from station. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 797 ft^3/s, Jan. 2, 1997, gage height, 7.86 ft (backwater from plugged culvert), from rating curve extended above 180 ft^3/s, on basis of computation of flow through culvert; minimum daily, 0.29 ft^3/s, July 28, Aug. 15, 1994.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 100 ft^3/s, or maximum:

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 13	0200	102	2.15	May 4	2230	167	2.40

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.99	1.7	1.5	e2.2	e2.9	5.9	40	59	17	2.1	0.95	0.87
2	0.98	1.6	1.6	e2.2	e3.0	6.0	34	78	15	2.0	0.94	0.88
3	0.90	1.6	1.4	e2.0	e2.8	5.9	34	91	14	1.9	0.95	0.91
4	0.88	1.3	1.4	e2.0	e2.6	5.8	46	100	12	1.6	0.95	0.92
5	0.87	1.3	1.7	e2.2	e2.6	6.2	61	101	11	1.5	0.94	0.90
6	0.86	1.3	3.3	e2.0	e2.8	6.4	62	74	9.3	1.5	0.94	0.89
7	0.86	1.4	3.2	e2.2	e2.8	7.0	57	56	8.6	1.4	0.91	0.88
8	0.81	1.5	1.9	3.3	e2.8	7.9	67	59	7.8	1.4	0.90	0.88
9	0.83	1.7	1.6	3.8	e2.9	9.2	65	54	7.9	1.3	0.90	0.87
10	0.89	1.4	1.7	3.6	e2.7	11	63	47	7.6	1.3	0.88	0.87
11	0.98	1.3	1.9	3.4	e2.6	13	58	32	6.7	1.3	0.86	0.87
12	0.98	1.4	1.4	3.3	e2.9	14	66	27	6.1	1.2	0.87	0.86
13	0.99	1.4	e1.4	3.2	e2.8	15	69	32	5.5	1.2	0.88	0.86
14	0.93	1.3	e1.9	3.2	e2.6	17	51	40	5.1	1.2	0.87	0.84
15	0.83	1.4	1.9	3.2	3.2	20	42	41	4.8	1.1	0.87	0.85
16	0.86	1.3	1.7	3.2	5.9	23	35	39	4.5	1.1	0.89	0.84
17	0.88	1.4	1.7	3.2	13	24	30	41	4.1	1.1	0.89	0.85
18	0.89	1.4	1.7	3.2	11	28	26	36	3.9	1.1	0.88	0.87
19	0.90	1.4	1.8	3.2	9.1	37	26	30	3.6	1.1	0.87	0.93
20	0.92	1.4	2.1	3.2	7.2	42	26	29	3.3	1.1	0.89	0.98
21	0.95	1.3	2.4	3.0	6.8	48	26	28	3.1	1.0	0.89	0.90
22	0.98	1.2	2.1	e3.0	6.6	54	24	30	2.8	1.0	0.92	0.88
23	1.0	1.2	2.1	e3.2	e6.1	62	24	28	2.4	0.99	0.94	0.87
24	1.0	1.2	e3.8	3.1	e6.5	57	31	25	2.2	0.98	0.92	0.86
25	1.0	1.3	e3.1	2.9	e7.0	46	44	23	2.0	0.99	0.90	0.85
26	0.94	1.3	e2.7	e3.0	e8.0	36	62	22	2.0	0.99	0.90	0.85
27	0.97	1.3	e2.5	2.9	e9.4	28	83	24	1.9	0.98	0.89	0.84
28	0.98	1.3	e2.2	2.9	10	27	86	41	1.8	0.98	0.89	0.79
29	0.99	1.5	e2.4	2.9	6.7	29	62	28	1.8	0.97	0.90	0.82
30	1.1	1.4	e2.2	e3.0	---	36	49	21	2.0	0.97	0.89	0.85
31	1.4	---	e2.2	e2.8	---	42	---	19	---	0.96	0.88	---
TOTAL	29.34	41.5	64.5	90.5	155.3	769.3	1449	1355	179.8	38.31	27.95	26.13
MEAN	0.95	1.38	2.08	2.92	5.36	24.8	48.3	43.7	5.99	1.24	0.90	0.87
MAX	1.4	1.7	3.8	3.8	13	62	86	101	17	2.1	0.95	0.98
MIN	0.81	1.2	1.4	2.0	2.6	5.8	24	19	1.8	0.96	0.86	0.79
AC-FT	58	82	128	180	308	1530	2870	2690	357	76	55	52

e Estimated.

10336645 GENERAL CREEK NEAR MEEKS BAY, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1.99	6.15	8.18	9.34	12.0	18.3	38.1	62.6	34.0	6.17	1.31	1.30
MAX	15.5	45.4	58.7	68.9	64.2	60.1	70.4	114	158	49.6	4.72	4.36
(WY)	1983	1982	1982	1997	1986	1986	1989	1999	1983	1983	1983	1983
MIN	0.73	0.84	0.89	0.90	0.99	5.86	15.9	7.18	1.63	0.49	0.35	0.39
(WY)	1993	1993	1991	1991	1991	1994	1991	1992	2001	1994	1994	1992

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1980 - 2004		
ANNUAL TOTAL	5501.59		4226.63				
ANNUAL MEAN	15.1		11.5		16.6		
HIGHEST ANNUAL MEAN					34.7		1982
LOWEST ANNUAL MEAN					4.96		1988
HIGHEST DAILY MEAN	168	May 28	101	May 5	600	Jan 1	1997
LOWEST DAILY MEAN	0.81	Oct 8	0.79	Sep 28	0.29	Jul 28	1994
ANNUAL SEVEN-DAY MINIMUM	0.86	Oct 4	0.84	Sep 24	0.31	Aug 15	1994
MAXIMUM PEAK FLOW			167	May 4	797	Jan 2	1997
MAXIMUM PEAK STAGE			2.40	May 4	7.86	Jan 2	1997
ANNUAL RUNOFF (AC-FT)	10910		8380		12040		
10 PERCENT EXCEEDS	29		41		50		
50 PERCENT EXCEEDS	3.7		2.2		3.2		
90 PERCENT EXCEEDS	0.94		0.88		0.84		

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1981 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1980 to September 1983.
WATER TEMPERATURE: October 1980 to September 1992.
SUSPENDED-SEDIMENT DISCHARGE: October 1980 to September 1992.

REMARKS.--In October 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)
OCT													
22...	1515	1.0	610	8.6	90	63	21.0	7.5	--	.08	.003	.004	.012
NOV													
28...	1545	1.3	608	10.5	95	61	6.5	2.0	--	.09	.003	.002	.009
DEC													
06...	1535	3.2	--	--	--	57	2.8	3.0	.16	.24	.003	.006	.010
18...	1150	1.8	610	11.0	94	55	3.0	.1	.12	.09	.005	.003	.006
JAN													
22...	1600	E3.0	610	11.4	98	46	-.5	.0	--	.11	.005	.004	.006
FEB													
17...	1740	15	--	--	--	29	4.5	.5	.18	.21	.004	.029	.006
MAR													
11...	1750	13	605	10.8	99	30	2.0	2.0	.13	.19	.004	.003	.001
18...	1750	28	--	--	--	25	.5	1.5	.18	.19	.003	.008	.001
22...	2030	59	--	--	--	20	1.0	1.0	.16	.27	.004	.006	.002
APR													
06...	2230	58	--	--	--	17	-.5	2.0	.12	.14	.003	.005	.002
12...	2055	72	605	10.4	100	17	5.0	4.0	.09	.13	<.003	.004	.001
21...	1450	26	--	--	--	22	6.0	5.5	--	.10	<.003	.005	.003
27...	2105	133	--	--	--	13	6.5	3.5	.10	.27	.005	.007	.003
28...	1450	59	--	--	--	14	13.0	5.8	.08	.17	.004	.005	.002
MAY													
04...	0850	76	--	--	--	12	11.5	2.5	.12	.11	.004	.002	.001
05...	2015	135	605	9.8	99	11	--	6.0	.07	.19	.005	.002	.002
13...	1800	28	608	9.4	100	16	16.5	8.0	.09	.09	.005	.003	.003
20...	1025	29	--	--	--	15	11.0	6.5	.10	.09	.003	.003	.002
31...	1345	19	--	--	--	18	22.5	11.2	.10	.08	.004	.002	.002
JUN													
11...	1035	7.0	607	9.0	99	27	--	9.5	.10	.12	.007	.002	.005
JUL													
15...	1535	1.1	610	7.0	95	50	24.0	19.0	--	.10	<.003	.003	.016
AUG													
16...	1815	.84	609	6.8	88	57	20.8	16.5	--	.11	.003	.008	.022
SEP													
17...	1720	.84	602	--	--	63	16.0	14.0	.08	.11	.005	.006	.018

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT				
22...	.024	.022	<1	<.01
NOV				
28...	.012	.018	1	<.01
DEC				
06...	.022	.032	3	.03
18...	.013	.017	1	<.01
JAN				
22...	.013	.019	1	E.01
FEB				
17...	.011	.025	8	.32
MAR				
11...	.007	.010	2	.07
18...	.007	.021	11	.83
22...	.007	.024	8	1.3
APR				
06...	.006	.008	4	.63
12...	.005	.009	3	.58
21...	.006	.008	2	.14
27...	.007	.071	94	34
28...	.005	.012	11	1.8
MAY				
04...	.005	.011	10	2.0
05...	.005	.014	22	8.0
13...	.006	.010	5	.38
20...	.005	.009	4	.31
31...	.007	.014	3	.15
JUN				
11...	.010	.011	3	.06
JUL				
15...	.025	.027	1	<.01
AUG				
16...	.025	.032	2	<.01
SEP				
17...	.026	.032	5	.01

Remark codes used in this table:
< -- Less than
E -- Estimated value

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

10336660 BLACKWOOD CREEK NEAR TAHOE CITY, CA

LOCATION.—Lat 39°06'27", long 120°09'40", in NW ¼ NE ¼ sec.36, T.15 N., R.16 E., Placer County, Hydrologic Unit 16050101, on right bank, 300 ft upstream from bridge on State Highway 89, 1,000 ft upstream from Lake Tahoe, and 4.6 mi south of Tahoe City.

DRAINAGE AREA.—11.2 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1960 to current year.

GAGE.—Water-stage recorder and crest-stage gage. Datum of gage is 6,234.59 ft above NGVD of 1929. Oct. 1, 1960, to Sept. 30, 1964, at datum 10.25 ft lower and Oct. 1, 1964, to Aug. 27, 1970, at datum 12 ft lower, at site 400 ft downstream.

REMARKS.—Records good except estimated daily discharges, which are fair. No known diversion or regulation upstream from station. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 2,940 ft^3/s, Jan. 1, 1997, gage height, 9.82 ft, maximum gage height, 9.90 ft, site and datum then in use, Dec. 22, 1964; minimum daily, 0.50 ft^3/s, Sept. 24, 1968.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 200 ft^3/s, or maximum:

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 4	2015	242	2.62

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	e2.2	3.6	4.0	4.8	12	59	116	88	18	3.5	1.8
2	2.1	2.7	4.1	e4.2	e5.0	11	54	137	88	17	3.4	1.7
3	2.1	2.8	3.9	e4.4	e5.0	11	59	158	85	17	3.3	1.8
4	2.1	2.7	3.8	e4.6	e4.8	11	76	180	77	16	3.1	1.8
5	2.1	2.6	5.0	e4.8	e4.6	12	97	180	70	15	3.0	1.8
6	2.1	2.6	e9.9	e5.0	e4.4	12	98	159	69	14	2.9	1.8
7	2.2	2.8	9.9	e5.2	e4.2	12	90	141	64	13	2.7	1.8
8	2.1	2.7	5.2	e5.4	e4.0	13	99	141	54	13	2.6	1.7
9	2.1	2.8	4.2	5.5	4.1	16	100	133	49	12	2.4	1.7
10	2.2	2.2	e3.2	5.4	e4.1	19	99	117	45	11	2.3	1.7
11	2.2	2.1	e3.5	5.3	e4.0	21	96	90	43	10	2.3	1.7
12	2.3	2.0	3.7	5.2	e4.0	22	102	75	43	9.8	2.3	1.7
13	2.2	2.1	4.3	5.1	e4.0	25	103	78	43	9.0	2.2	1.6
14	2.2	2.3	e4.4	5.1	4.0	29	87	89	44	8.7	2.2	1.6
15	2.1	2.5	e4.4	5.2	4.3	33	76	98	44	8.1	2.4	1.6
16	2.0	2.2	4.4	5.2	7.7	31	64	103	43	7.8	2.3	1.6
17	2.0	2.6	3.7	5.1	e14	33	57	108	41	7.4	2.2	1.5
18	1.9	2.6	3.8	5.1	e11	41	52	96	39	7.0	2.2	1.5
19	1.9	2.7	3.9	5.2	e10	52	49	86	37	6.8	2.1	1.6
20	1.8	3.0	4.6	5.2	e8.1	56	50	83	34	6.5	2.1	1.7
21	1.7	3.0	5.0	5.3	e7.5	77	50	76	31	6.3	2.1	1.6
22	1.6	2.7	4.7	e5.2	e7.1	88	48	78	30	5.8	2.2	1.6
23	1.7	e2.7	4.7	e5.1	e7.0	103	48	81	29	5.6	2.2	1.6
24	1.6	2.6	6.5	5.1	e7.3	93	54	77	27	5.2	2.2	1.5
25	1.6	2.6	e5.0	5.1	e7.9	72	65	76	25	4.9	2.1	1.4
26	1.6	2.7	e4.7	e5.1	e9.1	55	85	77	23	4.7	2.1	1.4
27	1.5	e2.8	e4.5	5.1	e10	49	115	94	22	4.5	2.0	1.4
28	1.5	2.9	e4.3	e5.0	10	47	134	138	20	4.4	1.9	1.4
29	1.6	3.2	e4.1	4.8	11	50	119	99	19	4.0	1.9	1.4
30	1.8	3.4	e4.1	4.9	---	59	106	91	19	3.8	1.8	1.4
31	e1.9	---	e4.0	e4.8	---	62	---	89	---	3.6	1.8	---
TOTAL	59.8	78.8	145.1	155.7	193.0	1227	2391	3344	1345	279.9	73.8	48.4
MEAN	1.93	2.63	4.68	5.02	6.66	39.6	79.7	108	44.8	9.03	2.38	1.61
MAX	2.3	3.4	9.9	5.5	14	103	134	180	88	18	3.5	1.8
MIN	1.5	2.0	3.2	4.0	4.0	11	48	75	19	3.6	1.8	1.4
AC-FT	119	156	288	309	383	2430	4740	6630	2670	555	146	96

e Estimated.

10336660 BLACKWOOD CREEK NEAR TAHOE CITY, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4.60	11.9	18.8	24.3	20.7	30.5	61.2	127	98.9	27.9	5.54	2.79
MAX	28.1	94.8	157	201	116	122	124	312	320	149	36.1	10.3
(WY)	1963	1984	1965	1997	1986	1986	1989	1969	1983	1983	1983	1982
MIN	1.19	1.68	1.90	2.00	2.27	3.82	13.6	29.7	7.20	2.76	1.31	1.00
(WY)	2002	1978	1977	1991	1991	1977	1975	1977	1992	2001	2001	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1961 - 2004		
ANNUAL TOTAL	11408.0		9341.5				
ANNUAL MEAN	31.3		25.5		36.2		
HIGHEST ANNUAL MEAN					73.4		1982
LOWEST ANNUAL MEAN					8.71		1977
HIGHEST DAILY MEAN	274	May 28	180	May 4	2000	Jan 1	1997
LOWEST DAILY MEAN	1.5	Oct 27	1.4	Sep 25	0.50	Sep 24	1968
ANNUAL SEVEN-DAY MINIMUM	1.6	Oct 22	1.4	Sep 24	0.54	Sep 23	1968
MAXIMUM PEAK FLOW			242	May 4	2940	Jan 1	1997
MAXIMUM PEAK STAGE			2.62	May 4	9.90	Dec 22	1964
ANNUAL RUNOFF (AC-FT)	22630		18530		26250		
10 PERCENT EXCEEDS	87		88		105		
50 PERCENT EXCEEDS	10		5.1		9.9		
90 PERCENT EXCEEDS	2.2		1.8		2.1		

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975-78, 1980 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1980 to September 1983.
WATER TEMPERATURE: October 1974 to June 1978 (1977-78 storm season only), October 1979 to September 1992.
SUSPENDED-SEDIMENT DISCHARGE: October 1974 to June 1978 (1977-78 storm season only), October 1979 to September 1992.

REMARKS.--In October 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)
OCT													
22...	1415	1.7	611	8.9	99	80	21.5	10.0	--	.06	.004	.003	.008
NOV													
28...	1445	2.8	608	10.3	99	76	7.5	4.0	--	.05	.003	.002	.006
DEC													
06...	1430	E9.9	--	--	--	54	2.5	2.5	.11	.28	<.003	.036	.005
19...	1605	3.9	605	10.6	98	68	.5	2.5	.07	.05	.006	.004	.003
JAN													
22...	1445	E5.2	610	11.4	98	64	1.0	.0	--	.07	.003	.002	.006
FEB													
17...	1325	E14	--	--	--	47	3.0	1.0	.13	.15	.007	.071	.005
MAR													
11...	1630	21	606	9.9	101	54	4.5	6.2	.10	.12	.005	.004	.004
18...	1850	55	--	--	--	44	2.0	2.5	.08	.27	<.003	.017	.001
22...	1930	117	--	--	--	41	2.0	2.0	.21	.24	.005	.037	.001
APR													
06...	2130	98	--	--	--	42	.5	2.5	.05	.12	<.003	.026	.001
12...	1945	119	606	10.4	100	40	6.0	4.0	.07	.14	<.003	.029	.001
21...	1355	50	--	--	--	49	2.5	7.0	--	.06	<.003	.012	.003
27...	2000	154	--	--	--	35	6.5	3.5	.09	.16	.007	.043	.002
28...	1400	114	--	--	--	39	13.5	8.3	.06	.39	.004	.042	.002
MAY													
04...	0720	155	--	--	--	34	2.0	2.5	.08	.14	.004	.038	.002
05...	1935	217	605	10.4	103	30	11.2	5.0	.07	.28	.004	.026	.002
13...	1710	79	608	9.0	101	39	15.5	10.2	.09	.08	.004	.014	.002
20...	0940	79	--	--	--	36	8.0	4.5	.10	.08	.004	.012	.001
31...	1255	75	--	--	--	33	18.5	9.0	.07	.07	.003	.004	.002
JUN													
10...	1610	43	609	8.4	100	38	16.5	13.0	.04	.11	.005	.002	.004
JUL													
15...	1430	8.1	612	7.2	99	57	24.0	20.0	--	.08	<.003	.003	.007
AUG													
16...	1715	2.1	609	7.8	104	69	21.8	18.0	--	.10	.004	.005	.010
SEP													
17...	1625	1.6	603	8.1	100	79	17.0	14.0	.08	.10	.005	.002	.007

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT				
22...	.018	.017	2	.01
NOV				
28...	.009	.016	1	.01
DEC				
06...	.017	.049	24	E.64
19...	.010	.013	1	.01
JAN				
22...	.016	.013	2	E.03
FEB				
17...	.011	.029	11	E.42
MAR				
11...	.013	.018	4	.23
18...	.009	.059	52	7.7
22...	.007	.047	37	12
APR				
06...	.008	.020	8	2.1
12...	.009	.023	15	4.8
21...	.008	.011	3	.41
27...	.007	.112	111	46
28...	.008	.017	11	3.4
MAY				
04...	.007	.030	22	9.2
05...	.008	.055	63	37
13...	.015	.015	7	1.5
20...	.013	.013	3	.64
31...	.008	.013	4	.81
JUN				
10...	.010	.016	4	.46
JUL				
15...	.020	.021	2	.04
AUG				
16...	.015	.018	1	.01
SEP				
17...	.015	.018	4	.02

Remark codes used in this table:
< -- Less than
E -- Estimated value

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

10336674 WARD CREEK BELOW CONFLUENCE, NEAR TAHOE CITY, CA

LOCATION.—Lat 39°08'27", long 120°12'40", in SE ¼ SE ¼ sec.16, T.15 N., R.16 E., Placer County, Hydrologic Unit 16050101, Tahoe National Forest, on left bank, 0.1 mi downstream from confluence with unnamed tributary, 3.2 mi west of William Kent Campground, and 4.8 mi southwest of Tahoe City.

DRAINAGE AREA.—4.96 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1991 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 6,600 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good except for estimated daily discharges, which are fair. No storage or diversion upstream from station. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 1,220 ft^3/s, Jan. 1, 1997, gage height, 8.85 ft, from crest stage gage; no flow for some days in most years.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 50 ft^3/s, or maximum:

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 5	1845	52	4.39	May 28	0530	90	4.69
May 4	1645	130	4.93				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.24	0.31	0.52	e1.5	1.3	2.6	22	48	45	15	0.94	0.21
2	0.25	0.52	0.66	e1.3	1.4	2.4	19	61	44	13	0.90	0.20
3	0.26	0.49	0.64	e1.2	1.3	2.4	22	72	43	11	0.84	0.23
4	0.26	0.50	0.56	1.2	1.2	2.4	29	87	41	10	0.81	0.24
5	0.27	0.54	e0.96	1.2	1.2	2.4	37	87	38	9.3	0.83	0.23
6	0.27	0.59	e2.9	1.2	1.2	2.6	34	73	38	8.5	0.77	0.21
7	0.26	0.61	e2.4	1.2	1.2	3.1	33	64	35	7.9	0.73	0.20
8	0.25	0.61	e1.5	1.6	1.2	4.0	36	63	31	7.1	0.67	0.18
9	0.24	0.69	e1.1	1.7	1.2	4.9	37	57	28	6.4	0.62	0.17
10	0.26	0.64	e1.3	1.5	1.2	6.3	36	45	26	6.0	0.58	0.16
11	0.29	0.71	1.5	1.4	1.2	7.2	35	35	24	5.4	0.55	0.14
12	0.28	0.67	1.3	1.4	1.2	8.3	38	32	24	4.8	0.54	0.13
13	0.28	0.58	e1.2	1.4	1.2	9.7	36	36	24	4.2	0.51	0.15
14	0.27	0.58	e1.2	1.4	1.2	12	31	41	26	3.8	0.49	0.17
15	0.26	0.61	1.3	1.4	1.2	15	28	43	26	3.5	0.51	0.17
16	0.27	0.58	1.2	1.4	6.5	16	24	45	25	3.2	0.44	0.17
17	0.27	0.72	1.2	1.3	12	16	22	48	25	2.9	0.40	0.18
18	0.26	0.92	1.1	1.4	5.5	18	19	43	24	2.7	0.38	0.20
19	0.26	0.99	1.2	1.3	4.3	22	18	41	23	2.5	0.36	0.29
20	0.25	0.75	1.9	1.4	3.8	23	17	40	21	2.3	0.35	0.37
21	0.25	0.60	1.7	1.4	3.5	27	16	37	19	2.1	0.33	0.35
22	0.25	0.58	1.5	1.3	3.2	29	15	39	19	1.9	0.36	0.33
23	0.25	0.54	1.4	1.3	3.1	32	17	39	18	1.8	0.38	0.30
24	0.27	0.47	2.1	1.3	2.9	31	21	38	17	1.6	0.38	0.27
25	0.27	0.42	1.9	1.3	e2.8	25	27	37	16	1.5	0.35	0.24
26	0.27	0.41	1.6	1.3	e2.7	19	36	38	14	1.4	0.35	0.23
27	0.27	0.44	1.4	1.3	2.6	17	51	48	13	1.4	0.37	0.23
28	0.27	0.40	1.4	1.2	2.6	17	55	64	13	1.3	0.32	0.22
29	0.27	0.67	e1.3	1.2	2.6	19	43	46	12	1.2	0.26	0.24
30	0.34	0.53	e1.3	1.4	---	23	42	45	12	1.1	0.24	0.27
31	0.29	---	e1.5	1.3	---	24	---	45	---	1.0	0.23	---
TOTAL	8.25	17.67	42.74	41.7	76.5	443.3	896	1537	764	145.8	15.79	6.68
MEAN	0.27	0.59	1.38	1.35	2.64	14.3	29.9	49.6	25.5	4.70	0.51	0.22
MAX	0.34	0.99	2.9	1.7	12	32	55	87	45	15	0.94	0.37
MIN	0.24	0.31	0.52	1.2	1.2	2.4	15	32	12	1.0	0.23	0.13
AC-FT	16	35	85	83	152	879	1780	3050	1520	289	31	13

e Estimated.

10336674 WARD CREEK BELOW CONFLUENCE, NEAR TAHOE CITY, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	0.61	1.69	4.33	9.46	6.71	11.8	26.0	59.8	50.7	17.5	2.48	0.58
MAX	1.43	9.82	27.2	68.8	32.5	26.9	43.1	93.5	127	88.7	16.0	1.94
(WY)	1999	1997	1997	1997	1996	1995	1997	1996	1998	1995	1995	1995
MIN	0.11	0.45	0.69	0.82	0.95	5.85	12.6	20.5	3.67	0.81	0.02	0.01
(WY)	1993	1996	1995	1992	1994	1994	2003	1992	1992	1994	1992	1992

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	5347.17		3995.43			
ANNUAL MEAN	14.6		10.9		16.0	
HIGHEST ANNUAL MEAN					29.0	1995
LOWEST ANNUAL MEAN					5.56	1992
HIGHEST DAILY MEAN	146	May 29	87	May 4	720	Jan 2 1997
LOWEST DAILY MEAN	0.19	Sep 27	0.13	Sep 12	0.00	Aug 21 1992
ANNUAL SEVEN-DAY MINIMUM	0.20	Sep 23	0.16	Sep 9	0.00	Sep 9 1992
MAXIMUM PEAK FLOW			130	May 4	1220	Jan 1 1997
MAXIMUM PEAK STAGE			4.93	May 4	8.85	Jan 1 1997
ANNUAL RUNOFF (AC-FT)	10610		7920		11590	
10 PERCENT EXCEEDS	45		38		48	
50 PERCENT EXCEEDS	4.1		1.4		3.2	
90 PERCENT EXCEEDS	0.27		0.26		0.36	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1993 to current year.

REMARKS.--In October 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT														
22...	1150	.27	49	21.1	7.0	--	.06	.004	.002	.003	.012	.012	<1	<.01
NOV														
28...	1130	.40	48	8.5	1.5	--	.07	.003	<.002	.003	.006	.008	1	<.01
DEC														
19...	1240	1.2	47	3.5	1.9	.05	.16	.003	.018	.001	.007	.008	1	<.01
JAN														
22...	1130	1.3	46	.0	1.0	--	.09	.003	.020	.004	.012	.017	1	<.01
FEB														
17...	1535	8.9	39	4.5	.5	.13	.18	.004	.059	.004	.010	.018	6	.14
MAR														
11...	1150	6.5	43	11.0	2.0	.07	.08	.005	.014	.001	.009	.010	1	.02
18...	1615	21	36	11.0	1.0	.07	.18	.003	.023	.001	.007	.043	31	1.8
APR														
06...	1905	35	32	3.5	1.5	.06	.11	<.003	.021	.002	.008	.013	5	.47
12...	1650	40	30	11.0	2.5	.04	.08	<.003	.019	.002	.008	.014	5	.54
27...	1720	81	26	15.0	1.5	.08	.20	.006	.033	.004	.008	.090	125	27
28...	1155	40	30	12.5	3.5	.07	.15	.004	.033	.002	.006	.011	2	.22
MAY														
04...	1030	56	28	15.5	3.0	.06	.13	.004	.019	.001	.009	.014	4	.60
05...	1705	114	24	13.5	3.0	.09	.15	.005	.019	.002	.011	.042	34	10
13...	1450	35	29	15.0	6.0	.05	.13	.005	.015	.002	.009	.022	5	.47
31...	1035	38	28	18.0	5.5	.09	.06	.005	.008	.003	.008	.015	2	.21
JUN														
10...	1155	24	30	11.0	7.0	.06	.18	.007	.002	.004	.012	.013	2	.13
JUL														
15...	1150	3.6	37	22.0	12.0	--	.06	<.003	.003	.004	.014	.015	1	.01
AUG														
16...	1400	.46	43	--	16.0	--	.07	.003	.006	.004	.010	.010	1	<.01
SEP														
17...	1320	.17	72	19.5	14.0	.08	.10	.007	.002	.004	.011	.015	2	<.01

Remark codes used in this table:
< -- Less than

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

10336676 WARD CREEK AT STATE HIGHWAY 89, NEAR TAHOE PINES, CA

LOCATION.—Lat 39°07'56", long 120°09'24", in NW ¼ SE ¼ sec.24, T.15 N., R.16 E., Placer County, Hydrologic Unit 16050101, Tahoe National Forest, on right bank, 165 ft downstream from State Highway 89 Bridge, 2.1 mi north of Tahoe Pines, and 2.6 mi southwest of Tahoe City.

DRAINAGE AREA.—9.70 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1972 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 6,230 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good except for estimated daily discharges, which are fair. Minor diversion for local water supply upstream from station. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 2,530 ft^3/s, Jan. 1, 1997, gage height, 9.36 ft; no flow for many days during several years.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 100 ft^3/s, or maximum:

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 27	1915	137	5.37	May 4	1830	198	5.58

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.43	e0.95	1.4	e2.1	2.7	e4.1	40	84	62	15	1.5	0.74
2	0.45	1.1	1.7	e2.1	3.3	e4.1	35	102	62	14	1.5	0.71
3	0.48	1.1	1.6	e2.1	3.4	e4.2	40	121	61	12	1.5	0.82
4	0.49	1.0	1.6	e3.1	2.8	5.0	53	139	57	10	1.4	0.88
5	0.50	1.1	3.2	e2.8	3.0	4.9	67	138	54	9.3	1.4	0.89
6	0.46	1.1	e4.7	e3.8	2.9	5.2	65	119	53	8.6	1.3	0.85
7	0.45	1.2	e5.7	e4.5	3.3	5.9	62	103	50	8.0	1.3	0.82
8	0.43	1.3	e4.4	e4.5	3.6	6.9	68	100	44	7.2	1.2	0.80
9	0.43	1.5	3.5	e4.2	3.4	8.5	70	91	40	6.6	1.1	0.83
10	0.52	1.3	e4.1	e4.5	3.4	10	68	76	35	6.1	1.1	0.79
11	0.58	1.2	e3.7	e3.8	3.8	12	67	63	33	5.6	1.0	0.74
12	0.59	1.3	e3.4	e3.5	4.0	13	72	55	31	5.0	1.0	0.74
13	0.59	1.3	e3.4	3.1	4.2	15	73	57	32	4.5	1.0	0.77
14	0.61	1.2	e3.4	2.9	3.4	18	61	62	33	4.2	0.97	0.89
15	0.60	1.4	e3.1	2.8	2.8	25	53	65	33	4.0	0.99	0.98
16	0.60	1.3	e3.7	2.8	e6.3	27	46	67	33	3.7	1.0	0.97
17	0.62	1.3	e3.1	2.9	e11	28	41	70	32	3.4	0.97	0.97
18	0.62	1.4	e3.1	2.8	e9.3	34	35	64	30	3.2	0.91	1.0
19	0.66	1.6	2.8	2.8	e7.4	42	32	60	28	3.0	0.87	1.2
20	0.65	1.7	3.5	2.8	e6.5	44	34	58	26	2.8	0.85	1.4
21	0.64	1.5	3.1	2.8	6.4	53	33	55	24	2.6	0.83	1.5
22	0.64	1.4	2.7	2.8	5.9	56	31	56	23	2.5	0.90	1.5
23	0.66	1.4	2.5	2.8	5.6	62	33	56	21	2.3	0.94	1.4
24	0.69	1.3	5.4	2.8	5.5	57	41	54	19	2.2	0.93	1.4
25	0.70	1.2	e5.6	2.8	e5.4	46	51	53	18	2.1	0.88	1.4
26	0.70	1.3	4.8	2.7	e5.2	35	66	54	16	2.0	0.87	1.4
27	0.72	1.6	e4.5	2.7	e4.8	30	89	66	15	1.9	0.84	1.3
28	0.76	1.4	e3.8	2.6	e4.3	29	100	95	13	1.8	0.82	1.3
29	0.75	1.4	e2.8	2.6	e4.2	33	81	68	13	1.7	0.77	1.3
30	0.83	1.4	e3.1	2.7	---	42	75	63	12	1.7	0.74	1.3
31	e0.85	---	e3.5	2.6	---	44	---	63	---	1.6	0.79	---
TOTAL	18.70	39.25	106.9	93.8	137.8	803.8	1682	2377	1003	158.6	32.17	31.59
MEAN	0.60	1.31	3.45	3.03	4.75	25.9	56.1	76.7	33.4	5.12	1.04	1.05
MAX	0.85	1.7	5.7	4.5	11	62	100	139	62	15	1.5	1.5
MIN	0.43	0.95	1.4	2.1	2.7	4.1	31	53	12	1.6	0.74	0.71
AC-FT	37	78	212	186	273	1590	3340	4710	1990	315	64	63

e Estimated.

10336676 WARD CREEK AT STATE HIGHWAY 89, NEAR TAHOE PINES, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2.88	9.80	11.5	16.3	14.3	21.3	42.9	91.4	72.9	20.9	3.64	1.67
MAX	22.4	73.9	92.5	144	77.7	80.3	89.2	177	265	123	26.9	7.93
(WY)	1983	1982	1982	1997	1982	1986	1989	1996	1983	1983	1983	1983
MIN	0.15	1.06	0.80	1.10	1.24	2.52	8.06	18.7	4.59	1.00	0.00	0.00
(WY)	1978	1978	1977	1991	1991	1977	1975	1977	1992	2001	1977	1977

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1973 - 2004		
ANNUAL TOTAL	8690.76		6484.61				
ANNUAL MEAN	23.8		17.7		25.8		
HIGHEST ANNUAL MEAN					59.0		1983
LOWEST ANNUAL MEAN					5.29		1977
HIGHEST DAILY MEAN	248	May 29	139	May 4	1390	Jan 1	1997
LOWEST DAILY MEAN	0.37	Sep 28	0.43	Oct 1	0.00	Aug 4	1977
ANNUAL SEVEN-DAY MINIMUM	0.40	Sep 24	0.46	Oct 3	0.00	Aug 4	1977
MAXIMUM PEAK FLOW			198	May 4	2530	Jan 1	1997
MAXIMUM PEAK STAGE			5.58	May 4	9.36	Jan 1	1997
ANNUAL RUNOFF (AC-FT)	17240		12860		18700		
10 PERCENT EXCEEDS	59		62		74		
50 PERCENT EXCEEDS	8.0		3.4		6.5		
90 PERCENT EXCEEDS	0.64		0.78		0.84		

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1973-78, 1980 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1980 to September 1983.
WATER TEMPERATURE: October 1972 to June 1978 (storm season only for water years 1977-78), October 1979 to September 1992.
SUSPENDED-SEDIMENT DISCHARGE: October 1972 to June 1978 (storm season only for water years 1977-78), October 1979 to September 1992.

REMARKS.--In October 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)
OCT													
22...	1315	.59	610	9.4	102	82	22.0	9.0	--	.09	.003	.002	.009
NOV													
28...	1335	1.4	609	11.6	99	73	9.0	.0	--	.12	.003	.002	.010
DEC													
06...	1330	E4.7	--	--	--	47	2.5	1.2	.13	.34	.003	.048	.014
19...	1510	2.8	605	11.4	98	64	4.0	.0	.08	.08	.004	.002	.008
JAN													
22...	1340	2.9	611	11.6	99	64	2.0	.0	--	.06	.003	.005	.010
FEB													
17...	1130	E11	--	--	--	45	4.5	.0	.17	.19	.004	.050	.012
MAR													
11...	1435	11	606	10.6	100	54	10.0	3.2	.09	.08	.005	.002	.004
18...	1755	40	--	--	--	46	4.5	1.8	.06	.21	.003	.002	.002
22...	1820	61	--	--	--	44	5.0	2.5	.13	.18	.003	.015	.002
APR													
06...	2035	68	--	--	--	41	--	2.5	.09	.11	.004	.007	.001
12...	1840	85	606	10.1	100	39	10.0	5.0	.08	.14	<.003	.006	.002
21...	1300	33	--	--	--	45	5.5	6.5	--	.08	.003	.003	.003
27...	1915	137	--	--	--	33	10.0	4.0	.13	.23	.004	.019	.003
28...	1315	78	--	--	--	38	15.0	7.5	.06	.16	.004	.009	.002
MAY													
04...	0620	113	607	11.0	100	34	--	2.0	.15	.22	.005	.024	.003
05...	1835	179	605	10.2	101	30	12.5	5.0	.06	.25	.004	.015	.002
13...	1615	57	608	9.0	101	38	16.5	10.2	.10	.07	.005	.004	.003
20...	0845	54	--	--	--	35	8.5	3.5	.07	.08	.004	.006	.002
31...	1210	54	--	--	--	34	16.5	8.5	.06	.07	.005	.002	.002
JUN													
10...	1520	34	608	8.6	101	37	17.0	12.5	.08	.12	.006	.002	.004
JUL													
15...	1345	3.9	612	7.9	107	50	24.0	19.0	--	.08	<.003	.003	.005
AUG													
16...	1600	1.0	610	8.2	111	69	23.0	19.0	--	.11	.005	.006	.008
SEP													
17...	1520	.97	604	8.2	106	79	20.0	16.5	.08	.09	.006	.002	.008

10336676 WARD CREEK AT HIGHWAY 89 NEAR TAHOE PINES, CA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT				
22...	.028	.019	1	<.01
NOV				
28...	.018	.022	1	<.01
DEC				
06...	.018	.029	15	E.19
19...	.015	.018	2	.02
JAN				
22...	.018	.018	2	.02
FEB				
17...	.020	.029	8	E.24
MAR				
11...	.012	.018	2	.06
18...	.012	.033	16	1.7
22...	.010	.019	13	2.1
APR				
06...	.008	.016	5	.92
12...	.009	.017	10	2.3
21...	.007	.011	4	.36
27...	.010	.080	77	28
28...	.009	.014	6	1.3
MAY				
04...	.009	.022	14	4.3
05...	.009	.064	57	28
13...	.009	.024	4	.62
20...	.008	.015	4	.58
31...	.009	.011	4	.58
JUN				
10...	.011	.013	4	.37
JUL				
15...	.018	.019	1	.01
AUG				
16...	.013	.016	1	<.01
SEP				
17...	.014	.019	2	.01

Remark codes used in this table:
<-- Less than
E-- Estimated value

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

10336698 THIRD CREEK NEAR CRYSTAL BAY, NV

LOCATION.—Lat 39°14'26", long 119°56'44", in SW ¼ NE ¼ sec.22, T.16 N., R.18 E., Washoe County, Nevada, Hydrologic Unit 16050101, on right bank, 50 ft upstream from culvert on Lakeshore Boulevard, 600 ft upstream from mouth, and 3 mi east of Crystal Bay.

DRAINAGE AREA.—6.05 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1969 to September 1973, February to September 1975, and October 1977 to current year.

REVISED RECORDS.—WDR NV-78-1: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 6,243.03 ft above NGVD of 1929.

REMARKS.—Records fair. One transmountain diversion to Washoe Valley. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.5	1.8	e2.5	2.7	2.6	7.7	13	12	e3.2	1.5	1.2
2	1.2	1.6	2.0	e2.5	2.4	2.8	7.1	14	12	e3.1	1.5	1.2
3	1.2	1.6	1.9	e2.5	2.6	2.8	7.5	16	11	3.0	1.5	1.2
4	1.2	1.9	1.9	e2.5	e2.4	2.8	8.6	21	11	2.8	1.5	1.3
5	1.2	1.7	2.3	e2.5	e2.4	2.9	9.8	21	10	2.7	1.5	1.2
6	1.2	1.7	2.6	e2.5	e2.4	3.3	9.8	18	11	2.6	1.5	1.2
7	1.3	1.8	2.4	2.5	e2.4	4.1	9.1	17	10	2.6	1.5	1.2
8	1.4	1.8	e2.5	2.5	e2.4	5.2	9.4	16	9.4	2.5	1.4	1.1
9	1.3	2.0	e2.5	2.5	e2.4	7.2	9.3	19	9.2	2.5	1.4	1.1
10	1.4	1.9	e2.5	2.5	e2.4	7.1	10	17	7.9	2.5	1.4	1.1
11	1.4	1.9	e2.5	2.4	e2.4	4.6	11	14	6.6	2.4	1.4	1.1
12	1.4	1.9	e2.5	2.4	2.4	4.8	11	15	7.1	2.3	1.4	1.1
13	1.4	1.9	2.5	2.4	e2.3	5.0	11	17	6.6	2.2	1.4	1.1
14	1.4	2.0	e2.6	2.4	2.3	5.4	e9.5	18	7.0	2.1	1.4	1.1
15	1.4	2.0	e2.6	2.4	2.3	6.2	8.8	19	6.8	2.0	1.7	1.1
16	1.4	1.9	e2.6	2.3	3.3	6.6	8.0	18	6.9	2.0	1.6	1.1
17	1.3	2.0	2.6	2.3	3.4	6.9	7.0	18	6.7	1.9	1.4	1.1
18	1.3	2.0	2.3	2.3	3.3	7.7	6.3	17	6.2	1.8	1.4	1.1
19	1.4	1.9	2.4	2.3	3.1	8.1	6.1	15	5.7	1.7	1.4	1.2
20	1.4	1.9	2.5	2.3	2.9	8.3	6.2	12	5.0	1.7	1.3	1.2
21	1.2	1.8	2.5	2.3	2.7	9.3	6.5	13	4.7	1.8	1.3	1.2
22	1.1	2.3	2.3	e2.3	2.6	9.4	5.8	13	4.5	1.7	1.3	1.1
23	1.2	2.2	2.4	e2.3	2.8	9.4	5.5	12	4.4	1.6	1.3	1.1
24	1.3	1.8	e2.6	2.3	3.4	9.0	5.5	12	4.2	1.6	1.3	1.0
25	1.4	1.7	e2.6	2.3	e3.1	8.0	6.5	11	4.1	1.5	1.3	1.0
26	1.4	1.7	e2.6	e2.3	e2.9	7.3	7.6	e11	4.0	1.5	1.3	1.0
27	1.4	1.8	e2.5	2.3	e2.8	6.3	9.2	13	3.9	1.5	1.3	1.0
28	1.4	1.8	e2.5	2.4	2.8	6.1	12	14	3.6	1.5	1.2	1.1
29	1.4	1.8	e2.5	2.5	2.6	6.3	11	11	3.4	1.4	1.2	1.1
30	1.4	1.8	e2.5	2.4	---	7.2	11	12	3.2	1.4	1.2	1.3
31	1.5	---	e2.5	2.4	---	7.8	---	12	---	1.5	1.2	---
TOTAL	41.0	55.6	75.0	74.3	77.9	190.5	253.8	469	208.1	64.6	43.0	33.9
MEAN	1.32	1.85	2.42	2.40	2.69	6.15	8.46	15.1	6.94	2.08	1.39	1.13
MAX	1.5	2.3	2.6	2.5	3.4	9.4	12	21	12	3.2	1.7	1.3
MIN	1.1	1.5	1.8	2.3	2.3	2.6	5.5	11	3.2	1.4	1.2	1.0
AC-FT	81	110	149	147	155	378	503	930	413	128	85	67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2004, BY WATER YEAR (WY)

MEAN	3.35	4.19	4.21	4.57	4.43	6.17	9.52	19.5	22.4	10.3	3.81	2.99
MAX	9.10	11.0	8.84	17.1	9.05	13.5	20.2	41.2	50.3	53.9	15.7	8.71
(WY)	1984	1985	1996	1997	1986	1986	1986	1997	1982	1995	1983	1999
MIN	0.79	1.50	2.31	2.09	2.35	3.56	5.10	3.84	1.81	1.17	0.94	0.94
(WY)	1978	1978	1995	1985	1978	2002	2003	1988	2001	1994	1994	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1970 - 2004	
ANNUAL TOTAL	1917.2		1586.7			
ANNUAL MEAN	5.25		4.34		7.92	
HIGHEST ANNUAL MEAN					14.1	1983
LOWEST ANNUAL MEAN					2.92	1988
HIGHEST DAILY MEAN	41	May 29	21	May 4	99	Jun 19 1982
LOWEST DAILY MEAN	1.1	Sep 24	1.0	Sep 24	0.66	Oct 13 1977
ANNUAL SEVEN-DAY MINIMUM	1.1	Sep 24	1.0	Sep 22	0.67	Oct 13 1977
MAXIMUM PEAK FLOW			29	May 4	150	Jun 18 1982
MAXIMUM PEAK STAGE			a 3.06	Feb 10	3.77	Jan 23 1973
ANNUAL RUNOFF (AC-FT)	3800		3150		5740	
10 PERCENT EXCEEDS	11		11		19	
50 PERCENT EXCEEDS	3.0		2.4		4.3	
90 PERCENT EXCEEDS	1.4		1.2		1.7	

e Estimated.
a Backwater from ice.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970-73, 1978-1984, 1988 to current year.

REMARKS.--In November 1987, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
06...	1410	1.2	--	--	--	--	67	16.5	10.5	--	.09	.003	.004
NOV													
07...	1330	2.0	--	--	--	--	73	4.5	3.0	--	.13	<.003	.004
DEC													
02...	1525	2.0	609	10.4	98	7.8	68	5.0	3.5	.07	.08	.003	.003
JAN													
05...	1255	E2.5	--	--	--	--	70	1.0	.0	--	.10	.004	.008
FEB													
03...	1325	2.6	--	--	--	--	68	-1.0	.5	--	.09	.003	.009
MAR													
02...	1330	3.0	600	10.7	97	7.6	79	.5	1.6	.08	.09	.006	.005
09...	1110	6.2	--	--	--	--	81	7.0	3.5	.08	.16	.005	.032
16...	1020	6.0	--	--	--	--	87	14.0	3.0	.11	.16	<.003	.042
23...	1405	8.7	--	--	--	--	74	12.0	6.5	.12	.19	.003	.021
30...	1210	6.7	--	--	--	--	75	14.5	6.0	.11	.14	<.003	.008
APR													
05...	1105	9.0	--	--	--	--	65	11.0	4.0	--	.13	<.003	.007
12...	1035	11	--	--	--	--	59	9.5	3.5	.14	.18	<.003	.016
12...	1745	11	--	--	--	--	58	10.0	6.5	.11	.14	<.003	.007
21...	1500	6.7	--	--	--	--	61	6.5	6.0	.09	.12	.003	.004
28...	1140	11	--	--	--	--	47	14.5	5.0	.07	.18	.004	.010
28...	1810	13	--	--	--	--	46	8.5	5.5	.07	.26	.004	.008
MAY													
04...	1830	28	--	--	--	--	32	12.0	5.5	.10	1.2	.004	.007
06...	1535	17	--	--	--	--	37	13.5	6.5	.12	.20	.003	.006
20...	1650	13	--	--	--	--	41	13.0	9.0	.11	.14	.004	.005
JUN													
01...	1415	11	608	8.1	96	7.7	42	19.0	12.5	.07	.10	.003	.004
16...	1345	6.7	--	--	--	--	48	21.5	12.0	.10	.11	.004	.005
JUL													
06...	1630	2.5	--	--	--	--	62	25.0	15.5	--	.12	.004	.008
AUG													
02...	1535	1.4	--	--	--	--	66	19.0	13.5	--	.09	.004	.014
SEP													
09...	1205	1.2	596	8.7	99	7.8	66	18.0	9.9	.10	.11	.010	.007

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)
OCT						
06...	.015	.025	.025	--	3	.01
NOV						
07...	.013	.021	.026	--	1	.01
DEC						
02...	.008	.011	.018	--	1	.01
JAN						
05...	.005	.009	.013	--	2	E.01
FEB						
03...	.005	.012	.015	--	1	.01
MAR						
02...	.005	.011	.019	--	2	.02
09...	.017	.024	.036	--	4	.07
16...	.018	.025	.040	--	7	.11
23...	.010	.021	.039	--	14	.33
30...	.006	.017	.023	--	5	.09
APR						
05...	.005	.011	.027	--	7	.17
12...	.004	.010	.032	--	9	.27
12...	.005	.012	.036	--	13	.39
21...	.007	.012	.019	--	5	.09
28...	.006	.012	.043	--	17	.50
28...	.006	.012	.050	--	28	.98
MAY						
04...	.007	.013	.277	63	197	15
06...	.005	.011	.029	--	13	.60
20...	.006	.012	.023	--	8	.28
JUN						
01...	.006	.014	.020	--	5	.15
16...	.007	.017	.026	--	5	.09
JUL						
06...	.009	.018	.031	--	3	.02
AUG						
02...	.012	.023	.032	--	4	.02
SEP						
09...	.009	.019	.024	--	3	.01

Remark codes used in this table:
< -- Less than
E -- Estimated value

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

103366993 INCLINE CREEK ABOVE TYROL VILLAGE, NEAR INCLINE VILLAGE, NV

LOCATION.—Lat 39°15'32", long 119°55'20", in SE ¼ SE ¼ sec.11, T.16 N., R.18 E., Washoe County, Nevada, Hydrologic Unit 16050101, on right bank, 900 ft upstream from Tyrol Drive, and about 1.5 mi northeast of Incline Village.

DRAINAGE AREA.—2.78 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1990 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 6,920 ft above NGVD of 1929, from topographic map.

REMARKS.—Records fair including estimated daily discharges. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.8	1.8	e1.9	1.8	1.4	5.7	9.5	6.0	3.1	1.4	0.96
2	1.4	1.8	1.8	e1.9	1.8	1.4	5.2	10	5.5	3.0	1.4	0.97
3	1.4	1.8	1.8	1.7	1.8	1.4	5.6	10	5.2	2.9	1.4	1.0
4	1.4	1.8	1.8	1.7	1.8	1.4	6.2	12	4.8	2.8	1.4	1.0
5	1.3	1.8	e1.8	1.7	1.7	1.5	7.3	12	4.5	2.7	1.4	1.0
6	1.3	1.8	e1.8	1.7	1.7	1.4	7.5	11	4.9	2.6	1.4	0.97
7	1.3	1.8	e1.9	1.7	1.8	2.0	7.4	11	5.1	2.5	1.3	0.96
8	1.2	1.8	e1.9	1.9	1.7	2.8	7.2	11	5.1	2.4	1.3	0.98
9	1.3	1.8	e1.9	2.0	1.8	3.4	7.7	10	5.2	2.4	1.3	0.99
10	1.3	1.5	1.8	2.1	1.8	3.6	8.1	9.6	5.2	2.3	1.2	0.97
11	1.4	1.4	e1.9	2.0	1.8	3.6	8.3	8.9	5.0	2.2	1.2	0.97
12	1.3	1.4	1.9	2.0	1.8	3.3	8.6	8.4	4.8	2.2	1.2	0.96
13	1.3	e1.4	1.8	2.0	1.7	3.4	8.4	8.4	4.6	2.1	1.2	0.97
14	1.3	e1.3	1.8	2.0	1.5	3.6	7.9	8.3	4.3	2.0	1.2	1.0
15	1.3	1.1	e1.9	2.1	1.5	3.8	7.5	8.2	4.2	1.9	1.3	1.0
16	1.3	e1.3	1.9	2.1	3.3	4.5	6.8	7.9	4.1	1.9	1.4	1.0
17	1.3	e1.4	1.9	2.1	2.9	4.8	6.1	7.7	4.0	1.9	1.2	1.0
18	1.3	e1.4	1.9	2.2	2.0	4.7	5.7	7.3	3.9	1.8	1.1	1.1
19	1.3	e1.4	1.9	2.1	1.9	5.7	5.7	7.7	3.8	1.8	1.1	1.3
20	1.3	e1.4	1.9	1.9	1.8	5.6	5.5	8.1	3.8	1.8	1.1	1.5
21	1.3	e1.5	1.8	1.9	1.8	6.3	5.4	7.9	3.7	1.7	1.1	1.4
22	1.5	1.6	1.8	2.0	1.8	6.5	5.2	7.8	3.6	1.7	1.2	1.3
23	1.6	e1.6	1.8	2.1	1.7	6.7	5.8	7.2	3.4	1.6	1.2	1.2
24	1.6	1.7	1.7	2.1	1.7	6.2	6.8	6.9	3.3	1.6	1.2	1.1
25	1.7	1.7	1.9	2.0	1.6	5.3	7.5	6.6	3.2	1.6	1.1	1.1
26	1.6	1.6	1.9	1.9	1.7	4.5	8.4	6.5	3.2	1.5	1.2	1.1
27	1.7	1.7	e2.0	2.0	1.6	4.2	9.4	6.6	3.1	1.5	1.1	1.1
28	1.7	1.8	e2.0	1.8	1.5	4.3	9.6	6.8	3.1	1.4	1.1	1.1
29	1.7	1.9	e2.0	1.9	1.4	4.7	9.1	6.3	3.1	1.4	1.0	1.2
30	1.7	1.8	e2.0	1.9	---	5.4	9.1	6.1	3.1	1.4	0.98	1.2
31	1.7	---	2.0	1.8	---	5.8	---	6.6	---	1.4	0.96	---
TOTAL	44.2	48.1	58.0	60.2	52.7	123.2	214.7	262.3	126.8	63.1	37.64	32.40
MEAN	1.43	1.60	1.87	1.94	1.82	3.97	7.16	8.46	4.23	2.04	1.21	1.08
MAX	1.7	1.9	2.0	2.2	3.3	6.7	9.6	12	6.0	3.1	1.4	1.5
MIN	1.2	1.1	1.7	1.7	1.4	1.4	5.2	6.1	3.1	1.4	0.96	0.96
AC-FT	88	95	115	119	105	244	426	520	252	125	75	64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	1.96	2.08	1.97	2.24	2.03	2.93	5.34	9.72	9.33	5.29	2.73	1.96
MAX	3.99	3.60	3.57	7.42	3.94	5.39	11.0	21.6	26.8	22.5	9.30	5.05
(WY)	1996	1999	1996	1997	1996	1997	1997	1997	1995	1995	1995	1995
MIN	0.54	0.75	0.83	0.72	0.92	1.16	2.56	1.60	0.77	0.61	0.25	0.26
(WY)	1993	1993	1993	1991	1993	1991	1991	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	1080.2		1123.34			
ANNUAL MEAN	2.96		3.07		4.11	
HIGHEST ANNUAL MEAN					7.56	1995
LOWEST ANNUAL MEAN					1.02	1992
HIGHEST DAILY MEAN	13	May 28	12	May 4	36	Jun 26 1995
LOWEST DAILY MEAN	1.1	Nov 15	0.96	Aug 31	0.18	Aug 19 1992
ANNUAL SEVEN-DAY MINIMUM	1.3	Oct 4	0.97	Sep 6	0.21	Aug 1 1992
MAXIMUM PEAK FLOW			15	May 4	52	Jun 26 1995
MAXIMUM PEAK STAGE			2.76	Jan 1	2.76	Jan 1 2004
ANNUAL RUNOFF (AC-FT)	2140		2230		2980	
10 PERCENT EXCEEDS	5.9		7.3		9.5	
50 PERCENT EXCEEDS	1.9		1.8		2.6	
90 PERCENT EXCEEDS	1.4		1.2		0.80	

e Estimated.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.

REMARKS.--In November 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
06...	1025	1.6	--	--	--	--	41	12.0	6.0	--	.11	.004	.002
NOV													
07...	0945	1.8	--	--	--	--	38	.5	1.0	--	.09	<.003	.002
DEC													
02...	1025	1.9	596	11.6	104	7.8	39	1.5	1.0	.06	.10	.003	.004
JAN													
05...	1515	1.7	--	--	--	--	39	-1.5	1.0	--	.11	.004	.026
FEB													
03...	1000	1.8	--	--	--	--	38	-1.0	1.0	--	.10	.004	.037
MAR													
02...	1530	1.4	592	10.6	98	7.4	40	-1.0	1.6	.12	.15	.005	.041
19...	1415	4.3	--	--	--	--	33	11.0	3.0	.14	.31	<.003	.040
APR													
05...	0945	6.0	--	--	--	--	31	5.5	2.5	--	.19	.004	.034
09...	0925	6.6	--	--	--	--	32	4.0	2.5	.08	.15	.004	.030
12...	1300	7.5	--	--	--	--	32	13.5	4.0	.10	.22	.004	.035
21...	1050	5.1	--	--	--	--	40	2.5	2.0	.08	.12	.003	.029
28...	1410	8.5	--	--	--	--	30	11.0	6.0	.10	.24	.005	.037
MAY													
04...	1440	12	--	--	--	--	29	18.5	8.0	.09	.53	.003	.026
20...	1340	7.5	--	--	--	--	30	14.5	7.0	.11	.12	.004	.012
JUN													
01...	1000	6.0	594	8.7	90	7.6	31	12.5	6.0	.11	.12	.004	.011
16...	0925	4.3	--	--	--	--	35	13.0	6.5	.10	.11	.003	.011
JUL													
06...	1345	2.4	--	--	--	--	37	29.5	10.0	--	.10	.003	.008
AUG													
02...	1100	1.7	--	--	--	--	38	14.5	7.5	--	.12	.003	.016
SEP													
09...	0825	1.3	597	9.3	96	7.7	40	5.5	6.2	.08	.17	.006	.003

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
06...	.009	.018	.019	2	.01
NOV					
07...	.008	.015	.016	1	<.01
DEC					
02...	.008	.013	.017	2	.01
JAN					
05...	.008	.016	.017	1	<.01
FEB					
03...	.010	.018	.023	<1	<.01
MAR					
02...	.010	.015	.021	1	<.01
19...	.010	.015	.028	10	.12
APR					
05...	.009	.021	.032	7	.11
09...	.008	.016	.029	8	.14
12...	.009	.019	.028	10	.20
21...	.010	.014	.021	11	.15
28...	.010	.016	.036	15	.34
MAY					
04...	.011	.017	.060	45	1.5
20...	.011	.023	.029	7	.14
JUN					
01...	.011	.018	.026	5	.08
16...	.011	.018	.026	4	.05
JUL					
06...	.013	.023	.029	4	.03
AUG					
02...	.012	.023	.032	5	.02
SEP					
09...	.008	.019	.032	2	.01

Remark codes used in this table:
< -- Less than

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

103366995 INCLINE CREEK AT HIGHWAY 28, AT INCLINE VILLAGE, NV

LOCATION.—Lat 39°14'44", long 119°56'17", in SE ¼ SE ¼ sec.15, T.16 N., R.18 E., Washoe County, Nevada, Hydrologic Unit 16050101, on left bank, 200 ft downstream from culverts on State Highway 28, 0.6 mi upstream from Lake Tahoe, and 1.8 mi southeast of intersection of State Highways 431 and 28.

DRAINAGE AREA.—4.47 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—December 1989 to current year (discontinued).

GAGE.—Water-stage recorder. Elevation of gage is 6,320 ft above NGVD of 1929, from topographic map.

REMARKS.—Records fair including estimated daily discharges. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.9	2.2	e2.4	2.3	2.0	8.2	12	6.9	3.7	1.9	1.5
2	1.6	2.1	2.2	e2.4	2.3	2.0	7.9	13	6.8	3.6	1.9	1.5
3	1.6	2.0	2.1	e2.4	2.2	2.1	8.5	12	6.7	3.5	1.9	1.6
4	1.6	2.5	2.1	e2.4	2.4	2.1	9.3	12	6.5	3.4	1.9	1.6
5	1.5	2.0	e2.1	2.4	e2.3	2.1	10	12	6.4	3.3	1.9	1.6
6	1.5	2.0	e2.1	2.3	e2.2	2.5	10	11	6.4	3.2	1.9	1.6
7	1.5	2.1	e2.2	2.3	2.1	3.2	9.9	11	6.1	3.1	1.9	1.5
8	1.5	2.1	e2.2	2.4	e2.1	3.9	9.7	11	5.9	3.0	1.8	1.5
9	1.5	2.2	e2.3	2.5	2.0	4.2	10	10	6.1	3.0	1.8	1.5
10	1.6	2.1	2.3	2.4	e2.0	4.5	e10	9.6	5.9	2.9	1.7	1.5
11	1.6	2.1	e2.3	2.4	2.0	4.4	e11	9.1	5.7	2.9	1.7	1.5
12	1.6	2.1	e2.3	2.4	2.0	4.6	e11	8.8	5.5	2.8	1.7	1.5
13	1.6	2.1	2.3	2.4	2.0	4.9	e11	8.8	5.4	2.7	1.7	1.5
14	1.6	2.1	e2.3	2.4	2.0	5.3	e10	8.8	5.3	2.7	1.8	1.6
15	1.6	2.2	e2.3	2.4	2.0	6.3	e10	8.7	5.1	2.6	1.8	1.6
16	1.6	2.1	e2.3	2.3	3.5	6.5	e9.2	8.5	4.9	2.6	1.8	1.6
17	1.6	e2.1	2.3	2.2	3.1	6.6	e8.9	8.4	4.9	2.5	1.7	1.6
18	1.5	e2.0	2.3	2.3	2.5	7.3	8.0	8.2	4.8	2.5	1.6	1.7
19	1.5	e2.0	2.3	2.2	2.2	7.8	e7.7	8.1	4.7	2.5	1.6	1.9
20	1.5	2.1	2.5	2.2	2.1	8.2	e7.7	8.0	4.5	2.4	1.6	2.1
21	1.5	2.0	2.4	2.2	2.1	9.0	e8.3	7.8	4.4	2.4	1.6	2.0
22	1.5	e2.0	2.3	e2.2	2.1	9.4	e8.9	7.8	4.3	2.3	1.7	1.9
23	1.7	e2.1	2.3	2.2	2.0	9.7	e9.4	7.7	4.1	2.3	1.7	1.8
24	1.6	2.2	2.8	2.3	2.0	8.9	9.6	7.5	4.0	2.3	1.7	1.8
25	1.6	2.0	2.5	2.2	e2.0	7.9	10	7.2	3.9	2.2	1.7	1.7
26	1.6	2.1	e2.5	e2.2	e2.1	7.2	11	7.2	3.8	2.2	1.6	1.7
27	1.6	2.2	e2.5	2.2	e2.1	6.8	11	7.4	3.8	2.1	1.6	1.7
28	1.6	2.1	e2.5	2.2	2.0	6.9	12	7.6	3.8	2.1	1.6	1.7
29	1.7	2.2	e2.5	2.2	2.0	7.4	11	7.2	3.7	2.0	1.5	1.8
30	1.8	2.2	e2.5	2.2	---	e7.6	11	7.1	3.7	2.0	1.5	1.9
31	1.9	---	e2.5	2.2	---	e7.9	---	7.0	---	2.0	1.5	---
TOTAL	49.2	63.0	72.3	71.4	63.7	179.2	290.2	280.5	154.0	82.8	53.3	50.0
MEAN	1.59	2.10	2.33	2.30	2.20	5.78	9.67	9.05	5.13	2.67	1.72	1.67
MAX	1.9	2.5	2.8	2.5	3.5	9.7	12	13	6.9	3.7	1.9	2.1
MIN	1.5	1.9	2.1	2.2	2.0	2.0	7.7	7.0	3.7	2.0	1.5	1.5
AC-FT	98	125	143	142	126	355	576	556	305	164	106	99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	2.50	2.68	2.77	3.32	3.12	5.34	8.25	12.7	11.9	6.41	3.26	2.52
MAX	4.61	4.93	5.71	14.8	7.81	11.9	18.5	25.5	34.9	27.9	10.5	5.83
(WY)	1996	1997	1997	1997	1996	1997	1997	1996	1995	1995	1995	1995
MIN	0.95	1.22	1.21	1.19	1.41	2.25	3.63	1.98	1.26	0.87	0.65	0.67
(WY)	1993	1991	1993	1993	1991	1991	1991	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	1289.8		1409.6			
ANNUAL MEAN	3.53		3.85		5.62	
HIGHEST ANNUAL MEAN					10.7	1995
LOWEST ANNUAL MEAN					1.54	1992
HIGHEST DAILY MEAN	14	May 24	13	May 2	85	Jan 2 1997
LOWEST DAILY MEAN	1.5	Sep 21	1.5	Oct 1	0.56	Aug 20 1992
ANNUAL SEVEN-DAY MINIMUM	1.5	Sep 21	1.5	Sep 7	0.60	Aug 6 1992
MAXIMUM PEAK FLOW			15	May 2	143	Jan 2 1997
MAXIMUM PEAK STAGE			a2.43	Dec 30	3.51	Jul 11 1996
ANNUAL RUNOFF (AC-FT)	2560		2800		4070	
10 PERCENT EXCEEDS	6.4		8.9		13	
50 PERCENT EXCEEDS	2.5		2.3		3.4	
90 PERCENT EXCEEDS	1.6		1.6		1.2	

e Estimated.
a Backwater from ice.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.

REMARKS.--In November 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
06...	1145	1.6	--	--	--	--	53	17.5	8.0	--	.13	.005	.004
NOV													
07...	1110	2.2	--	--	--	--	51	3.0	2.0	--	.10	.003	.004
DEC													
02...	1220	2.1	608	11.3	104	7.8	52	6.0	2.5	.06	.12	<.003	.005
JAN													
06...	1255	2.3	--	--	--	--	54	1.0	1.5	--	.08	.005	.024
FEB													
03...	1115	2.2	--	--	--	--	59	-3.0	.5	--	.14	.008	.038
MAR													
02...	1720	2.1	602	10.8	99	7.5	145	-1.0	1.8	.10	.15	.009	.035
19...	1550	8.1	--	--	--	--	80	11.0	5.0	.27	.40	.003	.063
APR													
05...	1330	8.9	--	--	--	--	51	10.0	5.0	--	.18	.007	.057
09...	1110	8.9	--	--	--	--	49	9.5	3.5	.13	.20	.005	.058
12...	1425	E11	--	--	--	--	46	15.0	6.0	.14	.26	<.003	.039
21...	1225	E8.3	--	--	--	--	48	7.0	4.0	.13	.15	<.003	.045
28...	1540	12	--	--	--	--	41	11.5	7.0	.11	.24	.005	.039
MAY													
04...	1600	14	--	--	--	--	36	19.5	9.0	.11	.56	.004	.027
20...	1450	7.8	--	--	--	--	37	13.0	8.0	.09	.12	.003	.019
JUN													
01...	1150	7.1	606	9.5	101	7.7	37	18.5	8.0	.05	.11	.005	.015
16...	1055	5.1	--	--	--	--	42	18.5	8.0	.09	.15	.004	.016
JUL													
06...	1450	3.1	--	--	--	--	46	28.0	12.0	--	.13	.004	.014
AUG													
02...	1240	2.1	--	--	--	--	49	19.0	10.5	--	.12	.005	.019
SEP													
09...	0955	1.7	596	9.5	102	7.8	53	15.0	7.7	.12	.15	.007	.020

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
06...	.010	.021	.025	3	.01
NOV					
07...	.009	.017	.021	2	.01
DEC					
02...	.007	.014	.017	1	.01
JAN					
06...	.007	.015	.024	4	.02
FEB					
03...	.008	.015	.026	4	.02
MAR					
02...	.006	.017	.030	8	.05
19...	.021	.028	.070	35	.77
APR					
05...	.011	.018	.040	11	.26
09...	.009	.017	.038	12	.29
12...	.010	.017	.038	7	E.21
21...	.009	.016	.029	8	E.18
28...	.011	.016	.051	41	1.3
MAY					
04...	.012	.017	.094	125	4.7
20...	.011	.017	.033	11	.23
JUN					
01...	.010	.020	.030	9	.17
16...	.010	.017	.031	6	.08
JUL					
06...	.013	.020	.035	4	.03
AUG					
02...	.011	.021	.035	3	.02
SEP					
09...	.007	.021	.032	4	.02

Remark codes used in this table:
< -- Less than
E -- Estimated value

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

10336700 INCLINE CREEK NEAR CRYSTAL BAY, NV

LOCATION.—Lat 39°14'25", long 119°56'38", in SW ¼ NE ¼ sec.22, T.16 N., R.18 E., Washoe County, Nevada, Hydrologic Unit 16050101, on right bank, 500 ft upstream from culvert on Lakeshore Boulevard, 1,000 ft upstream from mouth, just below confluence with major tributary, and 3 mi east of Crystal Bay.

DRAINAGE AREA.—7.0 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1966 to September 1975, November 1987 to current year (low flow, partial-record site only, October 1966 to September 1969, October 1973 to February 1975).

GAGE.—Water-stage recorder. Datum of gage is 6,246.90 ft above NGVD of 1929.

REMARKS.—Records good except for estimated daily discharges, which are fair. No regular diversion above station. Possibly some light pumping or diversion of water for construction or irrigation. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	2.9	3.1	e3.4	3.8	3.9	10	12	8.6	4.4	2.8	2.2
2	2.5	2.9	3.2	e3.4	3.9	3.8	9.7	13	8.5	4.2	2.7	2.2
3	2.5	3.0	3.1	e3.4	3.8	3.8	10	13	8.3	4.1	2.7	2.2
4	2.5	3.0	3.0	e3.4	e3.8	3.8	11	14	8.0	4.0	2.7	2.3
5	2.5	3.0	3.7	e3.5	e3.8	3.9	12	14	7.8	3.9	2.7	2.3
6	2.5	3.0	4.4	e3.5	e3.8	4.6	12	14	7.8	3.9	2.6	2.2
7	2.5	3.1	3.8	3.8	e3.8	5.8	11	14	7.5	3.8	2.6	2.2
8	2.5	3.0	3.1	3.9	e3.8	7.2	11	13	7.4	3.7	2.6	2.1
9	2.5	3.2	e3.2	3.9	e3.8	8.0	12	13	7.7	3.7	2.5	2.1
10	2.6	3.2	e3.2	3.8	e3.8	8.7	12	12	7.5	3.6	2.5	2.1
11	2.6	3.1	e3.2	3.9	e3.8	8.6	12	12	6.9	3.5	2.5	2.1
12	2.6	3.1	e3.2	3.8	3.9	8.8	12	11	6.8	3.5	2.5	2.1
13	2.6	3.1	3.4	3.9	3.8	9.2	12	11	6.6	3.5	2.5	2.1
14	2.6	3.1	3.3	3.9	3.8	9.6	11	11	6.5	3.4	2.5	2.1
15	2.6	3.2	3.4	3.9	3.8	11	11	11	6.3	3.3	2.6	2.2
16	2.6	3.1	3.5	3.9	7.2	11	10	11	6.1	3.3	2.7	2.2
17	2.6	3.1	3.2	3.9	6.3	11	9.5	11	5.9	3.4	2.5	2.1
18	2.5	3.2	3.2	4.0	5.2	11	8.9	10	5.8	3.3	2.5	2.2
19	2.6	3.2	3.4	4.0	4.6	12	8.6	10	5.7	3.3	2.5	2.3
20	2.6	3.2	3.7	4.0	4.4	12	8.7	10	5.5	3.2	2.4	2.7
21	2.5	e3.1	3.7	3.8	4.4	13	8.3	9.9	5.4	3.2	2.4	2.6
22	2.5	e3.1	3.4	4.6	4.3	13	8.1	9.9	5.3	3.2	2.4	2.5
23	2.7	e3.1	3.4	3.9	4.1	14	8.6	9.6	5.2	3.1	2.5	2.5
24	2.6	e3.1	4.5	3.9	4.0	12	9.3	9.3	5.0	3.1	2.5	2.4
25	2.5	3.1	3.7	3.8	4.3	11	10	9.0	4.8	3.0	2.4	2.3
26	2.5	3.2	e3.4	5.2	4.1	9.7	11	9.0	4.6	2.9	2.4	2.3
27	2.6	3.3	e3.4	3.8	4.1	9.1	12	9.2	4.5	2.9	2.4	2.2
28	2.6	3.1	e3.4	3.8	4.0	9.3	12	9.6	4.6	2.9	2.3	2.3
29	2.6	3.2	e3.4	3.9	3.8	9.8	11	9.1	4.5	2.8	2.3	2.3
30	2.6	3.1	e3.4	3.9	---	11	11	8.9	4.5	2.8	2.3	2.4
31	2.8	---	e3.4	3.9	---	11	---	8.8	---	2.8	2.2	---
TOTAL	79.4	93.1	106.4	119.7	122.0	280.6	315.7	342.3	189.6	105.7	77.7	67.8
MEAN	2.56	3.10	3.43	3.86	4.21	9.05	10.5	11.0	6.32	3.41	2.51	2.26
MAX	2.8	3.3	4.5	5.2	7.2	14	12	14	8.6	4.4	2.8	2.7
MIN	2.4	2.9	3.0	3.4	3.8	3.8	8.1	8.8	4.5	2.8	2.2	2.1
AC-FT	157	185	211	237	242	557	626	679	376	210	154	134

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2004, BY WATER YEAR (WY)

MEAN	3.80	4.08	4.26	5.18	5.18	8.02	11.0	16.1	14.3	7.62	4.33	3.41
MAX	6.79	6.76	8.78	19.6	12.2	16.9	23.1	36.7	48.4	35.0	14.4	8.66
(WY)	1996	1999	1997	1997	1996	1997	1997	1996	1995	1995	1995	1995
MIN	1.35	1.82	2.07	2.06	2.64	3.72	3.55	2.71	2.04	1.19	0.99	0.44
(WY)	1989	1993	1993	1993	1991	1992	1988	1988	1988	1988	1988	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1970 - 2004	
ANNUAL TOTAL	1787.2		1900.0			
ANNUAL MEAN	4.90		5.19		7.43	
HIGHEST ANNUAL MEAN					15.4	1995
LOWEST ANNUAL MEAN					2.51	1992
HIGHEST DAILY MEAN	16	May 24	14	Mar 23	112	Jan 2 1997
LOWEST DAILY MEAN	2.3	Sep 26	2.1	Sep 8	0.18	Sep 1 1999
ANNUAL SEVEN-DAY MINIMUM	2.4	Sep 21	2.1	Sep 8	0.21	Aug 30 1999
MAXIMUM PEAK FLOW			18	May 4	179	Jan 2 1997
MAXIMUM PEAK STAGE			2.13	May 4	3.87	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	3540		3770		5380	
10 PERCENT EXCEEDS	7.9		11		16	
50 PERCENT EXCEEDS	3.8		3.8		4.9	
90 PERCENT EXCEEDS	2.6		2.4		2.1	

e Estimated.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970-73, 1978-79, 1988 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: April 1998 to November 2000 (discontinued).

INSTRUMENTATION.--Water temperature recorder April 1998 to November 2000, two times per hour.

REMARKS.--In November 1987, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 16.0°C, September 7, 10, 11, 15, 1999; minimum, freezing point many days during winter months.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
06...	1300	2.7	--	--	--	--	90	17.5	9.0	--	.11	.004	.004
NOV													
07...	1220	3.1	--	--	--	--	90	4.5	3.0	--	.12	<.003	.004
DEC													
02...	1400	3.1	609	10.8	102	7.9	94	7.0	3.5	.08	.11	<.003	.004
JAN													
05...	1020	E3.5	--	--	--	--	93	-4.5	.0	--	.13	.004	.027
FEB													
03...	1225	3.8	--	--	--	--	105	-2.0	1.0	--	.18	.004	.041
MAR													
02...	1110	3.8	600	11.1	102	7.7	136	1.0	1.8	.10	.17	.009	.037
09...	0950	6.2	--	--	--	--	135	4.0	3.0	.13	.26	.004	.060
16...	0910	10	--	--	--	--	137	10.0	3.0	.16	.38	.003	.072
23...	1245	12	--	--	--	--	122	14.5	5.5	.18	.26	.003	.081
30...	0945	9.3	--	--	--	--	113	11.5	4.0	.14	.19	<.003	.058
APR													
05...	1205	11	--	--	--	--	95	13.0	5.0	--	.18	.004	.056
09...	1225	11	--	--	--	--	88	11.0	5.5	.13	.14	.004	.051
12...	1140	11	--	--	--	--	79	13.0	4.5	.11	.22	.004	.046
12...	1640	13	--	--	--	--	76	13.0	7.0	.11	.28	<.003	.044
21...	1340	8.2	--	--	--	--	82	9.5	5.5	.12	.14	.004	.040
28...	1250	11	--	--	--	--	65	14.0	6.5	.11	.26	.005	.037
28...	1700	13	--	--	--	--	59	12.0	7.5	.10	.22	.011	.040
MAY													
04...	1715	17	--	--	--	--	48	17.5	9.0	.10	.74	<.003	.022
06...	1430	13	--	--	--	--	54	17.0	7.5	.08	.38	.004	.017
20...	1600	10	--	--	--	--	58	13.0	8.5	.09	.18	.004	.020
JUN													
01...	1310	9.0	608	8.8	97	7.8	58	18.5	9.7	.07	.20	.005	.011
16...	1200	6.5	--	--	--	--	64	19.5	9.0	.09	.13	.004	.016
JUL													
06...	1545	3.6	--	--	--	--	76	24.5	14.0	--	.15	.004	.013
AUG													
02...	1405	3.0	--	--	--	--	83	21.0	12.0	--	.12	.004	.023
SEP													
09...	1110	2.4	612	9.4	101	7.9	87	17.5	8.7	.08	.21	.008	.017

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT						
06...	.011	.025	.025	--	5	.04
NOV						
07...	.014	.025	.029	--	4	.03
DEC						
02...	.007	.011	.018	--	1	.01
JAN						
05...	.006	.018	.028	--	9	E.09
FEB						
03...	.007	.014	.033	--	7	.07
MAR						
02...	.005	.014	.030	--	6	.06
09...	.014	.021	.046	--	9	.15
16...	.015	.022	.051	--	14	.38
23...	.012	.019	.049	--	17	.55
30...	.008	.023	.036	--	8	.20
APR						
05...	.009	.019	.034	--	12	.36
09...	.009	.016	.035	--	12	.36
12...	.008	.019	.034	--	12	.36
12...	.009	.019	.050	--	22	.77
21...	.009	.015	.031	--	9	.20
28...	.009	.018	.037	--	15	.45
28...	.012	.017	.062	50	33	1.2
MAY						
04...	.011	.018	.130	46	96	4.4
06...	.010	.015	.044	--	23	.81
20...	.012	.018	.045	--	21	.57
JUN						
01...	.009	.017	.035	--	13	.32
16...	.009	.016	.031	--	11	.19
JUL						
06...	.012	.025	.035	--	5	.05
AUG						
02...	.011	.025	.044	--	7	.06
SEP						
09...	.009	.019	.036	--	13	.08

Remark codes used in this table:
< -- Less than
E -- Estimated value

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

10336710 MARLETTE LAKE NEAR CARSON CITY, NV

LOCATION (REVISED).--Lat 39°10'22.71", long 119°54'19.84" referenced to North American Datum of 1983, in SW ¼ SE ¼ sec. 12, T.15 N., R.18 E., Washoe County, Hydrologic Unit 16050101, in Toiyabe National Forest, on west shore, about 1,000 ft east from left side of dam on Marlette Creek, and 7.5 mi west of
Carson City.

DRAINAGE AREA.--2.8 mi^2.

PERIOD OF RECORD.--November 1973 to current year.

REVISED RECORDS.--WDR NV-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is above National Geodetic Vertical Datum of 1929 (spillway elevation furnished in written communication, 1971).

REMARKS.--Lake is formed by earthfill dam across the outlet of a small natural lake (at one time called Goodwin Lake) on Marlette Creek, built in 1873 to provide water for fluming lumber from Spooner Summit to Carson City. The dam was built higher in 1876 and used to divert water by flume and siphon to Virginia City, until the flume was abandoned prior to 1963. The dam was raised to its present elevation in 1959. Present capacity, 11,780 acre-ft at spillway; elevation, 7,838.0 ft. Figures given herein represent total contents. Stored water is used for spawning cutthroat trout and in dry years is pumped over the mountain to the Hobart system for municipal and domestic use outside the basin in Virginia City and Carson City. Lake freezes over in winter. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded contents, 12,320 acre-ft, February 19, 1986, elevation, 7,839.23 ft.; minimum, 10,870 acre-ft, November 7, 2002, elevation, 7,835.57 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 12,010 acre-ft, May 11, gage height, 38.52 ft; minimum contents, 10,960 acre-ft, September 29, 30, gage height, 35.81 ft.

Capacity table (elevation, in feet, contents, in acre-feet)

7,835	10,650	7,838	11,790
7,836	11,030	7,839	12,220
7,837	11,410	7,840	12,650

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11,300	11,160	11,200	11,570	11,680	11,950	11,940	11,960	11,920	11,790	11,520	11,200
2	11,290	11,160	11,210	11,590	11,720	11,960	11,940	11,970	11,920	11,790	11,500	11,190
3	11,290	11,160	11,210	11,600	11,720	11,950	11,940	11,970	11,910	11,780	11,490	11,170
4	11,280	11,160	11,210	11,600	11,720	11,950	11,940	11,980	11,900	11,770	11,480	11,160
5	11,280	11,160	11,190	11,600	11,730	11,940	11,950	11,980	11,900	11,770	11,470	11,160
6	11,270	11,160	11,260	11,600	11,740	11,940	11,950	11,980	11,880	11,760	11,460	11,150
7	11,260	11,160	11,270	11,610	11,740	11,940	11,950	11,980	11,880	11,750	11,440	11,140
8	11,250	11,170	11,270	11,610	11,740	11,940	11,950	11,980	11,870	11,740	11,430	11,130
9	11,240	11,190	11,270	11,610	11,740	11,930	11,950	11,980	11,870	11,730	11,430	11,120
10	11,240	11,190	11,300	11,620	11,750	11,930	11,950	11,990	11,870	11,720	11,420	11,110
11	11,230	11,190	11,310	11,620	11,750	11,930	11,950	12,000	11,860	11,710	11,410	11,110
12	11,220	11,190	11,320	11,620	11,750	11,920	11,960	12,000	11,860	11,710	11,400	11,090
13	11,210	11,190	11,320	11,620	11,750	11,920	11,950	12,000	11,850	11,700	11,390	11,080
14	11,200	11,190	11,360	11,620	11,750	11,920	11,950	11,990	11,850	11,680	11,380	11,070
15	11,200	11,200	11,360	11,620	11,760	11,920	11,940	11,990	11,850	11,670	11,380	11,070
16	11,190	11,210	11,360	11,630	11,770	11,920	11,940	11,990	11,850	11,660	11,370	11,060
17	11,190	11,200	11,360	11,630	11,790	11,920	11,950	11,980	11,840	11,660	11,360	11,050
18	11,190	11,200	11,360	11,630	11,810	11,920	11,960	11,980	11,840	11,650	11,350	11,040
19	11,190	11,190	11,360	11,630	11,810	11,920	11,960	11,980	11,830	11,640	11,340	11,030
20	11,190	11,190	11,380	11,650	11,810	11,920	11,950	11,980	11,830	11,630	11,330	11,020
21	11,190	11,200	11,380	11,650	11,820	11,930	11,960	11,980	11,830	11,630	11,320	11,010
22	11,180	11,190	11,380	11,650	11,830	11,930	11,950	11,970	11,830	11,620	11,310	11,010
23	11,180	11,200	11,380	11,650	11,830	11,930	11,950	11,970	11,820	11,610	11,300	11,000
24	11,170	11,190	11,450	11,660	11,830	11,930	11,950	11,970	11,820	11,600	11,280	11,000
25	11,170	11,200	11,480	11,660	11,900	11,950	11,950	11,970	11,810	11,590	11,270	10,990
26	11,160	11,190	11,480	11,660	11,940	11,950	11,950	11,960	11,810	11,580	11,260	10,980
27	11,160	11,190	11,490	11,670	11,940	11,940	11,950	11,950	11,800	11,570	11,250	10,970
28	11,160	11,190	11,500	11,670	11,940	11,940	11,950	11,960	11,800	11,570	11,240	10,970
29	11,150	11,190	11,540	11,680	11,930	11,940	11,950	11,940	11,800	11,550	11,230	10,970
30	11,150	11,200	11,540	11,680	---	11,940	11,960	11,940	11,790	11,540	11,220	10,960
31	11,160	---	11,540	11,680	---	11,940	---	11,930	---	11,530	11,210	---
MAX	11,300	11,210	11,540	11,680	11,940	11,960	11,960	12,000	11,920	11,790	11,520	11,200
MIN	11,150	11,160	11,190	11,570	11,680	11,920	11,940	11,930	11,790	11,530	11,210	10,960
#	36.34	36.44	37.35	37.71	38.34	38.37	38.40	38.34	38.01	37.31	36.48	35.82
##	-150	+40	+340	+140	+250	+10	+20	-30	-140	-260	-320	-250

CAL YR 2003	MAX	11,970	MIN	11,150	##	+120
WTR YR 2004	MAX	12,000	MIN	10,960	##	-350

Elevation, in feet above NGVD 1929, at end of month, present datum.
Change in contents, in acre-feet.

10336715 MARLETTE CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°10'20", long 119°

10336715 MARLETTE CREEK NEAR CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1974 - 2004	
ANNUAL TOTAL	288.52		303.48			
ANNUAL MEAN	0.79		0.83		2.46	
HIGHEST ANNUAL MEAN					8.29	1983
LOWEST ANNUAL MEAN					0.06	1977
HIGHEST DAILY MEAN	6.0	Apr 14	5.1	Apr 20	63	Feb 19, 1986
LOWEST DAILY MEAN	0.01	Sep 6	0.01	Oct 5	0.00	Jul 12, 1975
ANNUAL SEVEN-DAY MINIMUM	0.01	Sep 3	0.01	Feb 3	0.00	Jan 22, 1993
MAXIMUM PEAK FLOW			5.6	Apr 21	70	Feb 20, 1986
MAXIMUM PEAK STAGE			2.02	Apr 21	3.20	Feb 20, 1986
ANNUAL RUNOFF (AC-FT)	572		602		1,780	
10 PERCENT EXCEEDS	4.2		3.5		6.6	
50 PERCENT EXCEEDS	0.06		0.05		0.69	
90 PERCENT EXCEEDS	0.02		0.02		0.03	

e Estimated

10336730 GLENBROOK CREEK AT GLENBROOK, NV

LOCATION.--Lat 39°05'15", long 119°56'20" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec. 10, T.14 N., R.18 E., Douglas County, Hydrologic Unit 16050101, on right bank, 50 ft upstream from culvert, 100 ft upstream from mouth at Glenbrook, and 1.8 mi southwest of Spooner Lake.

DRAINAGE AREA.--4.11 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1967-1971. October 1971 to September 1975, November 1987 to current year.

REVISED RECORDS.--WDR NV-00-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,240 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to November 16, 1987, at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow may be affected by pumping or diverting for irrigation above station. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 144 ft^3/s, January 2, 1997, gage height, 6.46 ft; no flow August 12, 1994.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5.0 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
March 18	2015	*7.3	*2.06	No other peaks greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.20	1.2	0.58	1.0	0.99	1.2	3.4	2.5	1.1	0.52	0.08	0.05
2	0.21	1.2	0.52	0.96	0.98	1.2	2.8	2.6	1.1	0.50	0.09	0.05
3	0.22	1.3	0.52	0.91	1.0	1.1	2.9	2.6	1.1	0.42	0.10	0.06
4	0.22	1.2	0.51	0.87	1.00	1.1	3.4	2.7	1.2	0.36	0.11	0.08
5	0.22	1.3	0.66	0.87	0.98	1.1	3.7	2.5	1.1	0.32	0.10	0.09
6	0.22	1.2	0.97	0.99	0.91	1.3	3.7	2.3	e1.1	0.30	0.08	0.08
7	0.22	1.3	e1.0	1.00	0.88	1.7	3.1	2.7	e1.1	0.32	0.09	0.08
8	0.22	1.3	1.00	1.0	0.96	2.3	3.3	2.3	e1.2	0.35	0.08	0.08
9	0.21	e1.1	0.93	1.0	0.88	2.7	3.4	2.0	1.2	e0.33	0.07	0.08
10	0.21	1.1	0.98	1.0	0.90	3.2	3.3	1.9	1.1	e0.28	0.06	0.04
11	0.24	1.0	0.94	0.97	0.84	3.2	3.0	2.6	0.98	e0.25	0.05	0.03
12	0.24	1.0	0.94	0.94	0.84	3.2	3.1	1.9	0.90	e0.23	0.05	0.03
13	0.22	0.96	1.1	0.93	e0.85	3.4	3.3	1(0)-6(.0I983443(029)8(3)-2759(e)27510(.)-2(3)8(5)-2954(0.)6(05)-419				

10336730 GLENBROOK CREEK AT GLENBROOK, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1972 - 2004	
ANNUAL TOTAL	395.33		408.25			
ANNUAL MEAN	1.08		1.12		1.72	
HIGHEST ANNUAL MEAN					3.97	1998
LOWEST ANNUAL MEAN					0.36	1992
HIGHEST DAILY MEAN	4.2	May 24	5.9	Mar 22	85	Jan 2, 1997
LOWEST DAILY MEAN	0.05	Jul 19	0.03	Sep 11	0.00	Aug 12, 1994
ANNUAL SEVEN-DAY MINIMUM	0.06	Jul 16	0.05	Sep 8	0.00	Aug 11, 1994
MAXIMUM PEAK FLOW			7.3	Mar 18	144	Jan 2, 1997
MAXIMUM PEAK STAGE			2.06	Mar 18	6.46	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	784		810		1,250	
10 PERCENT EXCEEDS	2.3		2.8		3.7	
50 PERCENT EXCEEDS	0.92		0.93		1.0	
90 PERCENT EXCEEDS	0.13		0.08		0.17	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1971-74, July 1987, 1988 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: April 1998 to November 2000 (discontinued).

INSTRUMENTATION.--Water temperature recorder April 1998 to November 2000 (discontinued), two times per hour.

REMARKS.--In November 1987, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 16.0°C, June 15, 2000; minimum, freezing point several days in winter months.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen,

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
07...	.013	.024	.032	3	<.01
NOV					
05...	.013	.024	.026	3	.01
DEC					
04...	.010	.016	.019	2	<.01
JAN					
06...	.007	.016	.017	1	<.01
FEB					
05...	.009	.016	.025	3	.01
MAR					
05...	.009	.014	.038	5	.01
09...	.008	.016	.033	3	.02
16...	.008	.017	.034	6	.06
23...	.009	.015	.042	6	.09
29...	.007	.014	.034	6	.05
APR					
09...	.007	.016	.033	2	.02
15...	.009	.016	.025	9	.06
23...	.009	.014	.022	3	.02
27...	.011	.018	.030	5	.04
MAY					
05...	.011	.020	.030	4	.02
21...	.014	.024	.046	4	.02
JUN					
03...	.017	.025	.037	5	.01
15...	.016	.026	.035	3	.01
JUL					
05...	.019	.034	.044	5	<.01
AUG					
05...	.012	.031	.134	18	.01
SEP					
10...	.011	.024	.055	14	<.01

Remark codes used in this table:
< -- Less than

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

10336740 LOGAN HOUSE CREEK NEAR GLENBROOK, NV

LOCATION.--Lat 39°04'00", long 119°56'04" referenced to North American Datum of 1927, in NW ¼ NW ¼ sec. 23, T.14 N., R.18 E., Douglas County, Hydrologic Unit 16050101, on right bank, 0.1 mi downstream from unnamed tributary, 0.3 mi upstream from U.S. Highway 50, and 1.6 mi south of Glenbrook.

DRAINAGE AREA.--2.09 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1983 to current year.

REVISED RECORDS.--WDR NV-00-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor. One small diversion 50 ft upstream from station for domestic use. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12.0 ft^3/s, January 2, 1997 and June 12, 1998, gage height, 4.75 ft; no flow many days in 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge recorded, 2.5 ft^3/s, gage height 4.37 ft, March 31, but may have been higher during period of missing gage height record, February 20 to March 29; minimum daily, 0.05 ft, many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.10	0.19	e0.27	e0.20	0.20	e0.22	1.0	0.79	0.21	0.08	0.05	0.07
2	0.09	0.19	0.28	e0.20	e0.19	e0.24	0.86	0.72	0.16	0.08	0.05	0.07
3	0.10	0.19	0.27	e0.18	e0.19	e0.27	0.93	0.66	0.15	0.08	0.05	0.07
4	0.10	0.19	0.28	e0.18	e0.18	e0.31	1.0	0.60	0.14	0.08	0.06	0.07
5	0.09	e0.20	0.40	e0.17	e0.18	e0.37	1.3	0.45	0.13	0.08	0.05	0.07
6	0.09	e0.20	0.46	e0.17	e0.17	e0.42	0.93	0.45	0.10	0.08	0.05	0.08
7	0.09	e0.20	0.41	e0.16	0.17	e0.47	0.86	0.55	0.09	0.08	0.05	0.07
8	0.09	e0.20	0.31	e0.15	0.19	e0.58	0.86	0.55	0.12	0.07	0.05	0.07
9	0.09	e0.20	0.35	e0.14	0.16	e0.60	0.86	0.50	0.16	0.07	0.05	0.07
10	0.10	e0.20	0.26	0.14	0.16	e0.74	1.0	0.39	0.16	0.07	0.05	0.07
11	0.10	e0.20	0.27	0.16	0.15	e0.88	0.79	0.43	0.14	0.07	0.05	0.07
12	0.11	e0.20	0.26	0.16	0.15	e0.90	0.93	0.46	0.12	0.08	0.05	0.07
13	0.11	e0.20	0.28	0.18	0.15	e0.95	0.86	0.46	0.11	0.07	0.05	0.07
14	0.11	e0.20	0.27	0.22	0.15	e1.0	0.72	0.40	0.11	0.07	0.05	0.08
15	0.11	e0.20	e0.27	0.20	0.13	e1.1	0.66	0.38	0.10	0.06	0.08	0.07
16	0.11	e0.20	e0.27	0.24	0.20	e1.2	0.66	0.37	0.09	0.05	0.09	0.07
17	0.12	e0.20	0.27	0.22	0.20	e1.3	0.72	0.35	0.09	0.05	0.08	0.08
18	0.12	e0.20	0.25	0.18	0.14	e1.5	0.60	0.34	0.09	0.05	0.07	0.08
19	0.12	e0.20	0.26	0.18	e0.12	e1.7	0.60	0.32	0.09	0.05	0.07	0.09
20	0.12	e0.20	0.28	0.17	e0.14	e1.8	0.66	0.32	0.08	0.05	0.07	0.10
21	0.12	e0.20	0.27	0.17	e0.15	e2.0	0.72	0.31	0.08	0.05	0.07	0.10
22	0.12	e0.20	0.26	0.18	e0.14	e1.9	0.72	0.30	0.08	0.05	0.07	0.10
23	0.14	e0.20	0.28	0.21	e0.16	e1.8	0.79	0.29	0.08	0.05	0.08	0.10
24	0.14	e0.20	e0.27	0.21	e0.18	e1.6	0.86	0.28	0.08	0.05	0.08	0.09
25	0.14	e0.21	0.27	0.20	e0.17	e1.5	1.3	0.27	0.08	0.05	0.08	0.09
26	0.14	e0.22	e0.26	0.20	e0.16	e1.4	1.3	0.26	0.08	0.05	0.07	0.09
27	0.16	e0.23	e0.26	0.19	e0.17	e1.3	1.4	0.25	0.08	0.05	0.07	0.09
28	0.16	e0.24	e0.25	0.19	e0.18	e1.2	1.4	0.41	0.08	0.05	0.07	0.09
29	0.17	e0.25	e0.24	0.19	e0.20	e1.1	0.93	0.31	0.08	0.05	0.07	0.10
30	0.18	e0.26	e0.23	0.20	---	1.2	0.79	0.26	0.08	0.05	0.07	0.11
31	0.18	---	e0.22	0.20	---	1.7	---	0.24	---	0.05	0.07	---
TOTAL	3.72	6.17	8.78	5.74	4.83	33.25	27.01	12.67	3.24	1.92	1.97	2.45
MEAN	0.12	0.21	0.28	0.19	0.17	1.07	0.90	0.41	0.11	0.06	0.06	0.08
MAX	0.18	0.26	0.46	0.24	0.20	2.0	1.4	0.79	0.21	0.08	0.09	0.11
MIN	0.09	0.19	0.22	0.14	0.12	0.22	0.60	0.24	0.08	0.05	0.05	0.07
AC-FT	7.4	12	17	11	9.6	66	54	25	6.4	3.8	3.9	4.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

MEAN	0.35	0.41	0.41	0.41	0.39	0.67	1.26	1.49	0.83	0.37	0.23	0.25
MAX	1.10	1.48	1.49	1.29	1.00	1.59	2.96	4.89	3.81	1.53	1.02	1.06
(WY)	(2000)	(1984)	(1984)	(1997)	(1984)	(2000)	(1999)	(1999)	(1998)	(1999)	(1999)	(1999)
MIN	0.04	0.06	0.00	0.05	0.07	0.09	0.15	0.01	0.01	0.01	0.00	0.01
(WY)	(1989)	(1992)	(1992)	(1992)	(1991)	(1991)	(1992)	(1992)	(1992)	(1991)	(1988)	(1988)

10336740 LOGAN HOUSE CREEK NEAR GLENBROOK, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1984 - 2004	
ANNUAL TOTAL	114.45		111.75			
ANNUAL MEAN	0.31		0.31		0.59	
HIGHEST ANNUAL MEAN					1.73	1999
LOWEST ANNUAL MEAN					0.05	1992
HIGHEST DAILY MEAN	4.1	May 26	2.0	Mar 21	8.7	Jan 2, 1997
LOWEST DAILY MEAN	0.05	Aug 17	0.05	Jul 16	0.00	Jul 13, 1988
ANNUAL SEVEN-DAY MINIMUM	0.06	Aug 11	0.05	Jul 16	0.00	Jul 13, 1988
MAXIMUM PEAK FLOW					12	Jan 2, 1997
MAXIMUM PEAK STAGE					4.75	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	227		222		428	
10 PERCENT EXCEEDS	0.54		0.86		1.4	
50 PERCENT EXCEEDS	0.18		0.18		0.32	
90 PERCENT EXCEEDS	0.07		0.07		0.05	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1983 to current year.

REMARKS.--In November 1987, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
07...	1315	.10	--	--	--	--	155	19.0	7.0	--	.15	<.003	.002
NOV													
05...	1010	E.20	--	--	--	--	140	2.0	2.0	--	.14	<.003	.002
DEC													
04...	1130	.28	598	11.0	100	8.2	130	2.5	1.4	.09	.12	<.003	.011
JAN													
07...	0935	E.16	--	--	--	--	131	1.5	.5	--	.59	.004	.018
FEB													
05...	1325	E.18	--	--	--	--	133	-.5	-.5	--	.16	.003	.028
MAR													
05...	1255	E.37	599	11.3	103	8.1	137	5.5	1.5	.10	.15	.005	.024
09...	1410	E.60	--	--	--	--	131	6.0	2.5	.20	.19	.005	.021
16...	1315	E1.2	--	--	--	--	127	10.0	2.0	.18	.26	<.003	.020
23...	0930	E1.8	--	--	--	--	120	5.0	1.5	.31	.47	.004	.015
29...	1425	E1.1	--	--	--	--	122	14.5	2.5	.23	.26	<.003	.013
APR													
09...	1150	.79	--	--	--	--	106	9.5	2.5	--	.24	.005	.010
15...	1305	.79	--	--	--	--	104	8.5	3.5	.20	.22	<.003	.009
21...	1625	.86	--	--	--	--	106	4.5	4.0	.20	.24	.003	.011
27...	1530	1.0	--	--	--	--	105	19.0	7.0	.20	.28	.005	.010
MAY													
05...	1500	.49	--	--	--	--	115	17.5	8.0	.22	.32	.003	.005
21...	1205	.32	--	--	--	--	128	12.0	5.5	.14	.21	.003	.007
JUN													
03...	1500	.16	604	8.5	94	8.2	141	18.5	9.5	.16	.16	.004	.008
15...	0955	.10	--	--	--	--	150	18.0	7.5	.12	.14	.003	.011
JUL													
05...	1550	.05	--	--	--	--	151	28.5	10.0	--	.11	.004	.016
AUG													
04...	1635	.04	--	--	--	--	157	21.0	9.5	--	.08	.003	.019
SEP													
08...	1520	.06	604	8.8	96	8.2	156	25.5	8.7	.11	.14	.006	.012

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
07...	.002	.012	.011	2	<.01
NOV					
05...	.001	.008	.011	2	E.01
DEC					
04...	.002	.005	.008	1	<.01
JAN					
07...	.001	.007	.015	3	E.01
FEB					
05...	.002	.013	.013	1	E.01
MAR					
05...	.002	.010	.020	1	E.01
09...	.002	.013	.015	3	E.01
16...	.002	.018	.024	4	E.01
23...	.003	.009	.014	4	E.02
29...	.002	.010	.018	3	E.01
APR					
09...	.002	.016	.017	4	.01
15...	.002	.012	.013	6	.01
21...	.002	.007	.014	6	.01
27...	.003	.007	.014	7	.02
MAY					
05...	.002	.014	.015	5	.01
21...	.003	.011	.013	2	<.01
JUN					
03...	.003	.011	.012	3	<.01
15...	.002	.011	.015	3	<.01
JUL					
05...	.003	.010	.015	1	<.01
AUG					
04...	.002	.016	.025	2	<.01
SEP					
08...	.002	.009	.018	1	<.01

Remark codes used in this table:
< -- Less than
E -- Estimated value

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

103367592 EAGLE ROCK CREEK NEAR STATELINE, NV

LOCATION.--Lat 38°57'24", long 119°55'36" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec. 26, T.13 N., R.18 E., Douglas County, Hydrologic Unit 16050101, on right bank, 0.2 mi upstream from confluence of Edgewood Creek, and 0.8 mi east of Stateline.

DRAINAGE AREA.--0.63 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1989 to September 2000, August 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,480 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4.0 ft^3/s, January 2, 1997, gage height, 5.68 ft; maximum gage height 6.22 ft, December 17, 2002, backwater from ice; minimum daily, 0.19 ft^3/s, September 16-25, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1.2 ft^3/s, March 22, gage height, 5.76 ft; minimum daily discharge, 0.39 ft^3/s, October 3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.40	0.48	0.52	0.50	e0.70	0.87	0.74	0.75	0.66	0.50	0.44	0.44
2	0.40	0.48	0.52	0.54	e0.72	0.87	0.75	0.75	0.66	0.48	0.44	0.44
3	0.39	0.48	0.52	0.59	e0.74	0.87	0.86	0.75	0.65	0.48	0.44	0.44
4	0.40	0.50	0.52	0.60	e0.76	0.85	0.96	0.73	0.63	0.47	0.44	0.46
5	0.40	0.52	0.56	0.63	e0.78	0.81	1.0	0.72	0.62	0.46	0.44	0.46
6	0.40	0.52	0.57	0.63	e0.78	0.79	1.0	0.72	0.63	0.45	0.42	0.46
7	0.40	0.52	0.55	0.66	e0.78	0.79	1.0	0.70	0.63	0.44	0.42	0.45
8	0.40	0.52	0.49	e0.68	e0.79	0.81	1.0	0.69	0.60	0.45	0.42	0.45
9	0.40	0.57	0.46	e0.70	e0.79	0.83	0.91	0.69	0.60	0.46	0.42	0.46
10	0.40	0.57	0.47	e0.70	e0.80	0.84	0.87	0.66	0.60	0.46	0.42	0.48
11	0.40	0.57	0.48	e0.70	e0.81	0.87	0.82	0.68	0.60	0.46	0.42	0.50
12	0.40	0.57	0.50	e0.70	e0.82	0.87	0.84	0.68	0.60	0.46	0.42	0.53
13	0.40	0.57	0.50	e0.70	e0.83	0.87	0.87	0.66	0.62	0.46	0.42	0.55
14	0.41	0.57	0.50	e0.69	e0.83	0.88	0.87	0.66	0.63	0.47	0.42	0.57
15	0.40	0.57	e0.50	e0.69	e0.83	0.87	0.87	0.66	0.63	0.46	0.43	0.59
16	0.41	0.57	0.47	e0.69	0.92	0.78	0.87	0.66	0.63	0.46	0.44	0.59
17	0.42	0.58	0.50	e0.70	0.88	0.74	0.87	0.66	0.63	0.46	0.43	0.59
18	0.41	0.59	0.51	e0.70	0.87	0.75	0.87	0.66	0.62	0.46	0.43	0.59
19	0.40	0.60	0.52	e0.70	0.87	0.78	0.87	0.66	0.60	0.46	0.42	0.57
20	0.40	0.60	0.53	e0.70	0.87	0.75	0.87	0.63	0.60	0.46	0.42	0.57
21	0.40	0.60	0.55	e0.70	0.87	0.79	0.87	0.65	0.57	0.45	0.42	0.57
22	0.42	e0.60	0.56	e0.70	0.87	0.94	0.87	0.66	0.60	0.44	0.42	0.57
23	0.46	e0.59	0.57	e0.70	0.87	0.95	0.87	0.66	0.55	0.45	0.42	0.56
24	0.46	0.58	e0.56	e0.70	0.87	0.93	0.87	0.66	0.55	0.44	0.42	0.54
25	0.46	0.57	e0.56	e0.70	0.87	0.85	0.78	0.66	0.53	0.44	0.43	0.52
26	0.46	0.57	e0.56	e0.69	0.87	0.83	0.78	0.66	0.52	0.46	0.44	0.52
27	0.46	0.53	e0.55	e0.69	0.87	0.83	0.79	0.66	0.53	0.45	0.44	0.51
28	0.46	0.53	e0.55	e0.68	0.87	0.80	0.79	0.70	0.52	0.45	0.44	0.50
29	0.46	0.53	e0.55	e0.68	0.87	0.78	0.79	0.69	0.52	0.44	0.44	0.50
30	0.46	0.52	0.51	e0.68	---	0.71	0.77	0.67	0.50	0.44	0.44	0.50
31	0.46	---	0.50	e0.69	---	0.72	---	0.66	---	0.45	0.44	---
TOTAL	13.00	16.57	16.21	20.81	24.00	25.62	25.89	21.10	17.83	14.17	13.30	15.48
MEAN	0.42	0.55	0.52	0.67	0.83	0.83	0.86	0.68	0.59	0.46	0.43	0.52
MAX	0.46	0.60	0.57	0.70	0.92	0.95	1.0	0.75	0.66	0.50	0.44	0.59
MIN	0.39	0.48	0.46	0.50	0.70	0.71	0.74	0.63	0.50	0.44	0.42	0.44
AC-FT	26	33	32	41	48	51	51	42	35	28	26	31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	0.78	0.80	0.77	0.82	0.82	0.86	0.91	0.84	0.72	0.67	0.68	0.72
MAX	1.51	1.45	1.47	1.72	1.50	1.49	1.52	1.53	1.28	1.25	1.38	1.50
(WY)	(1998)	(2000)	(2000)	(1997)	(1997)	(1997)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)
MIN	0.26	0.27	0.29	0.26	0.29	0.39	0.37	0.29	0.25	0.25	0.26	0.21
(WY)	(1993)	(1993)	(1993)	(1992)	(1993)	(1991)	(1992)	(1992)	(1992)	(1993)	(1994)	(1991)

103367592 EAGLE ROCK CREEK NEAR STATELINE, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	211.18		223.98			
ANNUAL MEAN	0.58		0.61		0.81	
HIGHEST ANNUAL MEAN					1.42	1999
LOWEST ANNUAL MEAN					0.31	1992
HIGHEST DAILY MEAN	1.0	May 14	1.0	Apr 5	3.6	Jan 2, 1997
LOWEST DAILY MEAN	0.39	Oct 3	0.39	Oct 3	0.19	Sep 16, 1991
ANNUAL SEVEN-DAY MINIMUM	0.40	Oct 1	0.40	Oct 1	0.19	Sep 16, 1991
MAXIMUM PEAK FLOW			1.2	Mar 22	4.0	Jan 2, 1997
MAXIMUM PEAK STAGE			5.76	Mar 22	6.22	Dec 17, 2002
ANNUAL RUNOFF (AC-FT)	419		444		585	
10 PERCENT EXCEEDS	0.72		0.87		1.4	
50 PERCENT EXCEEDS	0.57		0.57		0.69	
90 PERCENT EXCEEDS	0.46		0.42		0.28	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: March to September 2003.

INSTRUMENTATION.--Water temperature recorder March to September 2003, two times per hour.

REMARKS.--In November 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 14.0°C, July 21, 2003; minimum, freezing point on several days in March and April, 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)
OCT													
07...	0945	.40	--	--	--	--	56	9.5	6.5	.07	.18	.003	.006
NOV													
05...	1415	.52	--	--	--	--	53	3.5	2.9	.07	.12	<.003	.009
DEC													
04...	1510	.52	602	10.7	102	7.8	52	--	3.3	.06	.15	<.003	.007
JAN													
07...	1350	.66	--	--	--	--	52	1.5	2.5	.04	.20	.004	.009
FEB													
05...	1040	E.78	--	--	--	--	52	-1.5	1.0	.05	.13	.005	.008
17...	1525	.87	--	--	--	--	54	3.0	2.9	.08	.27	.003	.008
MAR													
05...	1035	.83	603	10.5	98	7.7	52	3.5	2.7	.06	.12	.003	.007
08...	1515	.83	--	--	--	--	54	3.5	3.4	.07	.14	.004	.007
15...	1400	.87	--	--	--	--	56	9.5	4.2	.18	.43	<.003	.016
19...	1005	.72	--	--	--	--	61	8.0	3.7	.22	.42	.004	.008
22...	1500	.95	--	--	--	--	62	12.0	5.3	.16	.84	.003	.011
29...	1235	.75	--	--	--	--	61	13.5	5.4	.07	.20	<.003	.014
APR													
05...	1615	1.0	--	--	--	--	60	10.0	6.2	.13	.25	<.003	.014
09...	1435	.87	--	--	--	--	60	12.5	6.1	.11	.14	.004	.012
15...	1125	.87	--	--	--	--	58	9.5	3.5	.07	.10	.003	.015
23...	1120	.87	--	--	--	--	54	9.5	3.8	.06	.16	.003	.008
26...	1755	.79	--	--	--	--	59	16.5	7.8	.08	.18	.006	.015
MAY													
05...	1150	.72	--	--	--	--	57	14.0	6.8	<.04	.18	.004	.007
21...	1025	.66	--	--	--	--	55	9.0	4.8	.08	.22	.004	.008
JUN													
04...	1115	.66	606	9.1	97	7.8	56	20.0	7.9	.05	.17	.003	.010
15...	1505	.63	--	--	--	--	57	22.5	10.4	.08	.15	.003	.011
JUL													
05...	1425	.46	--	--	--	--	57	24.0	11.4	.08	.33	.004	.008
AUG													
05...	1405	.42	--	--	--	--	55	21.0	9.3	.05	.11	.005	.009
SEP													
10...	1145	.48	596	9.4	101	7.8	56	23.5	7.8	.12	.40	.006	.009

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)	[1]Nitrite + nitrate water unfltrd mg/L as N (00630)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Ortho-phos-phate, water, unfltrd mg/L as P (70507)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Iron (bio reac-tive), water, fltrd, ug/L (63673)	Iron (bio reac-tive), water, unfltrd ug/L (46568)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)
OCT										
07...	.026	.031	.024	.03	.031	.068	54	249	10	.01
NOV										
05...	.023	.023	.022	.03	.028	.039	37	212	5	.01
DEC										
04...	.050	.051	.024	.03	.028	.041	35	246	8	.01
JAN										
07...	.069	.077	.024	.03	.029	.032	44	438	13	.02
FEB										
05...	.088	.089	.023	.03	.030	.045	41	276	9	E.02
17...	.104	.104	.028	.04	.039	.066	72	470	20	.05
MAR										
05...	.091	.093	.023	.03	.029	.045	57	234	7	.02
08...	.083	.083	.025	.03	.034	.057	71	351	12	.03
15...	.232	.238	.027	.04	.038	.074	120	646	24	.06
19...	.465	.470	.025	.03	.032	.053	135	537	33	.06
22...	.602	.613	.030	.07	.037	.178	130	607	128	.33
29...	.417	.423	.025	.03	.031	.055	82	404	17	.03
APR										
05...	.492	.501	.027	.04	.034	.066	60	671	13	.04
09...	.474	.479	.026	.03	.035	.063	57	421	23	.05
15...	.378	.499	.023	.03	.030	.044	51	400	18	.04
23...	.294	.305	.022	.03	.028	.038	48	257	9	.02
26...	.273	.277	.023	.03	.028	.050	43	350	20	.04
MAY										
05...	.169	.173	.022	.03	.026	.042	40	279	11	.02
21...	.104	.109	.020	.03	.027	.052	38	241	9	.02
JUN										
04...	.041	.044	.019	.03	.027	.053	176	412	33	.06
15...	.030	.032	.020	.02	.027	.051	30	538	17	.03
JUL										
05...	.028	.029	.021	.02	.032	.042	26	365	32	.04
AUG										
05...	.025	.025	.017	.02	.029	.052	--	260	9	.01
SEP										
10...	.025	.256	.016	.03	.025	.069	29	851	24	.03

Remark codes used in this table:
< -- Less than
E -- Estimated value

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

10336760 EDGEWOOD CREEK AT STATELINE, NV

LOCATION.--Lat 38°57'58", long 119°56'10" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 27, T.13 N., R.18 E., Douglas County, Hydrologic Unit 16050101, on left bank, at upstream side of culvert on U.S. Highway 50, and 0.5 mi northeast of Stateline.

DRAINAGE AREA.--5.61 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1966 to February 1980 (operated as partial record site), October 1992 to current year.
REVISED RECORDS.--WDR: NV-00-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,280 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Discharge affected by slight regulation and diversion for irrigation. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 136 ft^3/s, January 2, 1997, gage height, 6.14 ft; minimum daily, 0.14 ft^3/s, May 10, 2002, due to temporary diversion upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13 ft^3/s, March 22, gage height, 4.41 ft; minimum daily discharge, 1.3 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	2.0	2.6	2.8	2.9	3.1	6.1	4.3	3.1	2.2	2.2	1.5
2	1.8	2.0	2.5	2.6	2.9	3.2	6.5	4.3	3.1	2.2	2.2	1.5
3	1.7	2.0	2.5	2.5	2.9	3.1	5.9	3.2	3.1	2.1	2.2	1.5
4	1.7	2.0	2.5	2.5	3.0	3.2	5.7	2.7	3.1	2.1	1.9	1.5
5	1.7	2.0	2.5	2.4	3.0	3.3	5.8	3.1	3.1	2.1	1.8	1.5
6	1.6	2.0	2.6	2.4	3.1	3.3	5.8	3.7	3.0	2.1	1.8	1.5
7	1.6	2.0	2.7	2.7	3.1	3.3	5.8	3.7	3.1	2.1	1.8	1.5
8	1.6	2.0	2.7	3.0	3.1	3.5	5.8	3.7	3.0	2.1	1.8	1.5
9	2.0	2.2	2.7	3.1	3.1	3.7	5.8	3.7	3.0	2.1	1.8	1.6
10	2.2	2.2	2.7	3.1	3.1	4.1	5.8	3.7	2.9	2.1	1.7	2.3
11	2.3	2.2	2.7	3.2	3.1	4.2	5.7	3.7	2.8	2.1	1.4	2.9
12	2.1	2.3	2.7	3.1	3.1	5.1	5.6	3.7	2.8	2.1	1.3	2.4
13	2.0	2.4	2.7	3.1	3.0	5.5	5.6	3.7	2.8	2.0	1.3	2.2
14	1.8	2.3	2.5	3.1	2.8	5.9	4.9	3.7	2.7	2.0	1.3	2.1
15	1.7	2.4	2.5	3.1	2.7	6.2	4.2	3.5	2.8	2.0	1.3	2.0
16	1.6	2.4	2.5	3.1	2.9	6.8	4.3	3.5	2.7	2.0	1.3	2.0
17	1.5	2.5	2.5	3.1	3.2	7.6	4.3	3.2	2.3	1.9	1.3	1.7
18	1.6	2.5	2.5	3.1	3.4	7.7	4.3	3.0	1.7	2.0	1.3	1.4
19	1.6	2.5	2.5	3.1	3.4	8.1	4.3	3.1	1.7	1.5	1.3	1.4
20	1.7	2.6	2.5	3.1	3.4	9.2	4.3	3.1	1.7	1.3	1.3	1.4
21	2.0	2.9	2.5	3.1	3.4	9.7	4.3	3.1	2.3	1.3	1.3	1.5
22	2.2	2.9	2.5	3.0	3.4	12	4.4	3.1	2.5	1.4	1.3	1.5
23	2.2	2.7	2.5	3.0	3.4	12	4.4	3.1	2.4	1.4	1.3	1.5
24	2.1	2.7	2.6	3.0	3.4	9.2	4.4	3.0	2.3	1.4	1.4	2.1
25	2.1	2.7	3.7	2.9	3.4	7.7	4.4	3.1	2.2	1.4	1.4	2.3
26	2.1	2.7	4.3	2.9	3.4	7.2	4.4	3.1	2.2	1.7	1.4	2.3
27	2.1	2.7	4.0	2.9	3.4	6.6	4.4	3.1	2.1	1.7	1.4	2.2
28	2.1	2.7	3.7	2.8	3.4	5.8	4.4	3.1	2.2	1.7	1.5	2.3
29	2.1	2.6	3.5	2.8	3.2	4.5	4.4	3.1	2.2	2.1	1.5	2.3
30	2.1	2.6	3.2	2.9	---	4.2	4.4	3.1	2.2	2.2	1.4	2.3
31	2.0	---	3.0	2.9	---	5.1	---	3.2	---	2.2	1.4	---
TOTAL	58.8	71.7	87.1	90.4	91.6	184.1	150.4	104.4	77.1	58.6	47.6	55.7
MEAN	1.90	2.39	2.81	2.92	3.16	5.94	5.01	3.37	2.57	1.89	1.54	1.86
MAX	2.3	2.9	4.3	3.2	3.4	12	6.5	4.3	3.1	2.2	2.2	2.9
MIN	1.5	2.0	2.5	2.4	2.7	3.1	4.2	2.7	1.7	1.3	1.3	1.4
AC-FT	117	142	173	179	182	365	298	207	153	116	94	110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	3.20	3.60	4.00	4.94	4.70	6.33	7.45	7.30	4.49	2.86	2.69	2.98
MAX	5.87	5.96	6.50	14.4	7.22	9.83	13.5	15.8	10.0	5.67	4.39	5.44
(WY)	(1999)	(1999)	(1997)	(1997)	(2000)	(1998)	(1999)	(1999)	(1998)	(1998)	(1997)	(1997)
MIN	1.49	1.69	1.48	2.10	2.15	2.57	2.92	2.34	1.57	1.38	1.54	1.47
(WY)	(1993)	(1993)	(1993)	(1993)	(1993)	(1994)	(1994)	(1994)	(1994)	(1994)	(2004)	(1993)

10336760 EDGEWOOD CREEK AT STATELINE, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	1,002.4		1,077.5			
ANNUAL MEAN	2.75		2.94		4.54	
HIGHEST ANNUAL MEAN					7.71	1999
LOWEST ANNUAL MEAN					2.17	1994
HIGHEST DAILY MEAN	6.5	Mar 27	12	Mar 22	102	Jan 2, 1997
LOWEST DAILY MEAN	1.3	Jul 17	1.3	Jul 20	0.14	May 10, 2002
ANNUAL SEVEN-DAY MINIMUM	1.3	Jul 17	1.3	Aug 12	1.3	Sep 23, 1993
MAXIMUM PEAK FLOW			13	Mar 22	136	Jan 2, 1997
MAXIMUM PEAK STAGE			4.41	Mar 22	6.14	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	1,990		2,140		3,290	
10 PERCENT EXCEEDS	4.6		4.4		8.2	
50 PERCENT EXCEEDS	2.5		2.7		3.8	
90 PERCENT EXCEEDS	1.6		1.5		1.7	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1992 to current year.

REMARKS.--In August 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
07...	1125	1.6	--	--	--	--	94	15.5	9.0	--	.11	.007	.011
NOV													
05...	1320	2.0	--	--	--	--	91	4.5	4.0	--	.12	<.003	.011
DEC													
04...	1435	2.5	606	10.4	100	7.9	92	10.0	4.0	.07	.12	<.003	.023
JAN													
07...	1200	2.7	--	--	--	--	100	1.5	3.0	--	.13	.031	.040
FEB													
05...	0935	3.0	--	--	--	--	112	-5.0	1.5	.14	.20	.028	.047
MAR													
05...	0930	3.1	606	10.3	97	7.6	139	2.0	3.1	.10	.22	.022	.044
08...	1335	3.5	--	--	--	--	163	8.0	3.5	.12	.19	.009	.043
15...	1230	6.4	--	--	--	--	162	10.0	4.5	.24	.28	.003	.057
22...	1325	12	--	--	--	--	148	11.0	4.5	.31	.36	.004	.064
29...	1015	3.8	--	--	--	--	163	8.0	4.5	.17	.25	.007	.062
APR													
05...	1510	5.8	--	--	--	--	130	13.0	6.0	--	.19	.005	.099
15...	0955	4.1	--	--	--	--	123	7.0	6.0	.16	.17	<.003	.072
23...	0955	4.4	--	--	--	--	124	8.5	6.0	.12	.24	<.003	.040
26...	1630	4.4	--	--	--	--	110	16.0	7.5	.14	.16	.004	.048
MAY													
05...	1025	2.8	--	--	--	--	110	15.0	9.0	.13	.17	.003	.022
21...	0900	3.1	--	--	--	--	120	7.5	7.5	.11	.15	.010	.011
JUN													
04...	0945	3.1	610	8.8	100	8.2	115	14.5	11.0	.09	.27	.004	.010
15...	1350	2.7	--	--	--	--	105	22.0	11.5	.11	.11	.003	.007
JUL													
05...	1320	2.0	--	--	--	--	99	22.5	12.0	--	.35	.006	.005
AUG													
05...	1100	1.7	--	--	--	--	96	18.0	12.0	--	.17	.004	.014
SEP													
10...	1010	1.6	610	8.6	97	7.8	93	14.5	10.6	.08	.13	.007	.013

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
07...	.012	.025	.025	2	.01
NOV					
05...	.011	.017	.029	4	.02
DEC					
04...	.014	.018	.026	4	.03
JAN					
07...	.014	.026	.028	3	.02
FEB					
05...	.014	.021	.030	2	.02
MAR					
05...	.011	.017	.047	6	.05
08...	.011	.018	.034	4	.04
15...	.012	.024	.037	3	.05
22...	.008	.018	.053	23	.75
29...	.013	.031	.036	5	.05
APR					
05...	.011	.021	.036	4	.06
15...	.008	.015	.029	6	.07
23...	.006	.010	.025	4	.05
26...	.007	.013	.022	11	.13
MAY					
05...	.007	.014	.025	3	.02
21...	.008	.017	.026	4	.03
JUN					
04...	.011	.019	.032	4	.03
15...	.012	.024	.034	3	.02
JUL					
05...	.014	.026	.036	2	.01
AUG					
05...	.011	.024	.037	3	.01
SEP					
10...	.010	.019	.032	3	.01

Remark codes used in this table:
< -- Less than

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

10336770 TROUT CREEK AT U.S. FOREST SERVICE ROAD 12N01 NEAR MEYERS, CA

LOCATION.--Lat 38°51'48", long 119°57'26" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 26, T.12 N., R.18 E., El Dorado County, Hydrologic Unit 16050101, on right bank, 50 ft downstream from U.S. Forest Service Road 12N01, about 2.2 mi upstream from confluence of Saxon Creek, and 2.6 mi northeast of Meyers.

DRAINAGE AREA.--7.4 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,850 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 166 ft^3/s, June 27, 1995, gage height, 6.19 ft; minimum daily, 1.9 ft^3/s, December 21, 1990.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 4	2145	*28	*4.82				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	4.7	4.7	4.4	3.9	4.0	9.7	17	17	10	4.7	4.1
2	4.6	e4.7	4.7	4.6	4.0	4.0	9.4	19	17	9.8	4.6	4.1
3	4.6	4.6	4.6	4.5	4.0	4.0	10	22	17	9.4	4.7	4.2
4	4.6	e4.6	4.6	e4.5	3.9	3.9	11	23	16	8.8	4.6	4.2
5	4.6	4.7	6.2	4.4	e3.9	3.9	11	23	16	8.6	4.6	4.1
6	4.5	4.7	5.8	4.3	3.9	4.1	11	22	16	8.5	4.5	4.1
7	4.5	4.7	5.1	4.3	3.9	4.3	11	20	15	8.3	4.5	4.1
8	4.4	4.7	5.0	4.2	e4.0	4.9	12	19	15	8.0	4.5	4.1
9	4.5	4.8	5.3	4.3	4.0	5.2	12	19	14	7.7	4.4	4.0
10	4.5	4.8	4.5	4.3	4.0	5.4	12	19	14	7.5	4.4	4.0
11	4.6	5.2	4.7	4.3	3.8	5.4	13	19	14	7.3	4.4	4.0
12	4.6	4.7	e4.6	4.3	3.8	5.7	14	17	13	7.0	4.4	4.0
13	4.7	4.7	4.5	4.2	3.8	5.8	14	17	13	6.4	4.5	4.0
14	4.5	4.7	e4.4	4.2	3.8	6.2	14	17	13	6.4	4.5	4.1
15	4.3	4.7	e4.3	4.2	3.8	6.7	13	17	13	6.5	4.6	4.1
16	4.4	4.7	e4.3	4.2	6.1	7.0	13	18	12	6.6	4.5	4.1
17	4.3	4.7	4.3	4.1	5.4	7.2	12	18	12	6.4	4.4	4.1
18	4.3	4.7	4.3	4.1	4.6	7.8	11	18	12	6.3	4.3	4.1
19	4.3	4.8	4.4	4.1	4.3	8.5	11	18	11	6.2	4.4	4.3
20	4.3	4.9	4.5	4.1	4.2	9.2	12	17	12	6.1	4.4	4.6
21	4.3	4.7	4.3	4.1	4.2	10	12	17	12	5.9	4.3	4.4
22	4.3	e4.7	4.3	e4.1	4.1	10	12	16	12	5.7	4.4	4.2
23	4.3	e4.6	4.3	4.0	4.0	11	12	16	12	5.7	4.4	4.1
24	4.3	e4.6	4.9	4.0	4.0	11	13	16	11	5.6	4.4	3.9
25	4.3	4.5	4.7	4.0	e4.0	10	13	16	11	5.5	4.3	3.8
26	4.3	e4.5	4.7	4.1	e4.0	9.3	14	16	11	5.2	4.3	3.8
27	4.3	e4.6	e4.7	4.0	e4.0	8.7	15	17	11	5.0	4.3	3.8
28	4.3	4.6	e4.7	4.0	4.0	8.9	17	23	11	4.9	4.2	3.8
29	4.3	4.9	e4.6	4.0	4.0	9.4	16	19	11	4.9	4.2	3.8
30	4.4	4.8	4.8	4.0	---	10	17	17	10	4.8	4.1	3.7
31	4.5	---	4.6	4.0	---	10	---	17	---	4.7	4.1	---
TOTAL	137.2	141.3	145.4	129.9	119.4	221.5	377.1	569	394	209.7	136.9	121.7
MEAN	4.43	4.71	4.69	4.19	4.12	7.15	12.6	18.4	13.1	6.76	4.42	4.06
MAX	4.7	5.2	6.2	4.6	6.1	11	17	23	17	10	4.7	4.6
MIN	4.3	4.5	4.3	4.0	3.8	3.9	9.4	16	10	4.7	4.1	3.7
AC-FT	272	280	288	258	237	439	748	1,130	781	416	272	241

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	4.90	5.21	5.48	6.25	5.16	6.48	10.3	24.1	29.1	14.3	6.96	5.36
MAX	7.87	8.20	14.2	24.9	11.4	14.2	22.3	48.1	84.9	62.1	20.0	10.7
(WY)	(1999)	(1997)	(1997)	(1997)	(1997)	(1997)	(1997)	(1997)	(1995)	(1995)	(1995)	(1998)
MIN	2.91	2.93	2.63	2.59	2.65	3.25	5.18	8.81	4.10	3.41	2.93	3.02
(WY)	(1993)	(1993)	(1993)	(1991)	(1991)	(1991)	(1991)	(1992)	(1992)	(2001)	(2001)	(2001)

10336770 TROUT CREEK AT USFS ROAD 12N01 NEAR MEYERS CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	3,313.1		2,703.1			
ANNUAL MEAN	9.08		7.39		10.5	
HIGHEST ANNUAL MEAN					19.8	1995
LOWEST ANNUAL MEAN					4.48	1992
HIGHEST DAILY MEAN	58	Jun 4	23	May 4	130	Jun 28, 1995
LOWEST DAILY MEAN	4.1	Sep 9	3.7	Sep 30	1.9	Dec 21, 1990
ANNUAL SEVEN-DAY MINIMUM	4.2	Mar 1	3.8	Sep 24	2.4	Dec 17, 1990
MAXIMUM PEAK FLOW			28	May 4	166	Jun 27, 1995
MAXIMUM PEAK STAGE			4.82	May 4	6.19	Jun 27, 1995
ANNUAL RUNOFF (AC-FT)	6,570		5,360		7,630	
10 PERCENT EXCEEDS	19		16		22	
50 PERCENT EXCEEDS	4.9		4.7		5.8	
90 PERCENT EXCEEDS	4.3		4.0		3.3	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: September 1997 to September 2003, discontinued.

INSTRUMENTATION.--Water temperature recorder September 1997 to September 2003, two times per hour.

REMARKS.--In November 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Water temperature records for September 1997 were not published but are available from the U.S. Geological Survey, in Carson City, NV.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 14.0°C, July 10, 2002; minimum, freezing point on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
08...	1445	4.5	--	--	--	--	55	18.5	6.6	--	.07	.003	.002
NOV													
06...	1310	4.7	--	--	--	--	53	.5	1.0	--	.10	<.003	.002
DEC													
01...	1140	4.7	--	--	--	--	54	6.5	1.5	.04	.07	<.003	.005
FEB													
09...	1140	3.8	--	--	--	--	52	-.5	.0	--	.10	.003	.014
APR													
07...	1020	10	--	--	--	--	36	7.0	2.0	--	.20	<.003	.011
MAY													
04...	1115	20	--	--	--	--	25	18.0	4.0	.11	.22	.005	.007
17...	1450	17	--	--	--	--	26	12.5	8.0	.09	.12	.004	.004
JUN													
03...	1015	17	596	8.9	96	7.7	28	20.5	7.8	.09	.10	.005	.004
14...	1525	12	--	--	--	--	33	22.0	11.5	.12	.16	.006	.009
JUL													
07...	1550	8.2	--	--	--	--	44	19.5	12.0	--	.09	.004	.006
AUG													
04...	1440	4.7	--	--	--	--	51	17.5	9.0	--	.08	.003	.006
SEP													
08...	1040	4.2	598	9.7	101	7.8	56	18.5	6.5	.06	.11	.005	.002

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
08...	.009	.016	.018	1	.01
NOV					
06...	.009	.014	.021	1	.01
DEC					
01...	.010	.013	.018	7	.09
FEB					
09...	.010	.019	.024	1	.01
APR					
07...	.008	.015	.022	2	.05
MAY					
04...	.006	.011	.023	7	.38
17...	.007	.012	.020	5	.23
JUN					
03...	.009	.013	.018	4	.18
14...	.008	.015	.022	3	.10
JUL					
07...	.010	.018	.022	3	.07
AUG					
04...	.010	.025	.026	3	.04
SEP					
08...	.008	.017	.020	1	.01

Remark codes used in this table:
< -- Less than

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

10336775 TROUT CREEK AT PIONEER TRAIL NEAR SOUTH LAKE TAHOE CA

LOCATION (REVISED).--Lat 38°54'12.22", long 119°58'08.01" referenced to North American Datum of 1983, in SE ¼ NE ¼ sec. 10, T.12 N., R.18 E., El Dorado County, Hydrologic Unit 16050101, on left bank, 200 ft upstream of Pioneer Trail Road, 0.6 mi upstream of confluence of Cold Creek, and 2.8 mi south of South Lake Tahoe.

DRAINAGE AREA.--23.7 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,270 ft above sea level, from topographic map. Prior to May 1, 1992, at datum 0.12 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 525 ft^3/s, January 2, 1997, gage height, 7.59 ft; minimum daily, 2.0 ft^3/s, December 22, 1990.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 5	0145	*43	*2.13				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	8.1	8.4	e9.0	e9.0	9.2	27	29	27	11	7.2	6.0
2	8.2	e8.2	8.1	e9.0	8.9	9.1	25	31	27	11	7.2	6.0
3	8.6	8.3	8.1	e9.0	e9.0	9.1	26	35	26	11	7.0	6.1
4	8.2	e8.3	9.1	e9.0	e9.0	e9.0	28	37	26	10	6.6	6.4
5	7.9	8.3	11	e9.0	e9.0	9.7	28	39	25	10	6.4	6.3
6	7.7	e8.2	13	e9.0	e9.0	9.4	29	38	25	9.6	6.3	6.3
7	7.1	8.2	14	e9.0	e9.0	10	28	35	25	9.5	6.3	6.1
8	7.1	8.1	11	e9.0	e9.0	11	29	35	24	9.2	6.3	6.0
9	7.0	8.3	e11	e9.0	e9.0	12	30	35	24	9.0	6.3	6.0
10	7.0	e8.3	10	e9.0	e9.0	14	29	36	23	8.7	6.2	6.0
11	7.2	e8.3	9.5	e9.0	e9.0	14	29	34	22	8.6	6.1	6.0
12	7.2	e8.3	e9.0	e9.0	e9.0	15	29	31	21	8.4	6.1	6.1
13	7.1	8.4	e9.0	e9.0	e9.0	15	30	30	20	8.1	6.2	6.2
14	7.2	e8.3	e9.0	e9.0	e9.0	17	28	30	20	7.9	6.4	6.2
15	7.1	8.2	e9.0	e9.0	e9.0	19	26	30	19	7.8	6.3	6.4
16	7.1	8.2	e9.0	e9.0	e9.0	20	25	30	19	7.8	6.5	6.3
17	7.1	8.2	e9.0	e9.0	e9.0	21	24	31	19	7.7	6.3	6.3
18	7.1	8.3	e9.0	e9.0	e9.0	23	23	30	18	7.7	6.3	6.3
19	7.1	8.3	e9.0	e9.0	e9.0	26	23	29	17	7.6	6.3	6.5
20	7.1	8.6	e9.0	e9.0	e9.0	27	23	29	16	7.8	6.3	7.1
21	7.1	8.3	9.4	e9.0	9.3	29	24	28	16	7.7	6.2	7.3
22	7.1	e8.2	9.3	e9.0	9.0	32	23	28	15	7.5	6.2	7.0
23	7.1	e8.4	9.2	e9.0	8.8	33	22	27	14	7.4	6.4	6.9
24	7.1	e8.5	e9.0	e9.0	8.8	31	23	27	13	7.7	6.3	6.7
25	7.2	8.6	e9.0	e9.0	8.6	29	25	27	13	7.6	6.2	6.6
26	7.2	e8.6	e9.0	e9.0	e9.0	26	26	26	12	7.5	6.3	6.5
27	7.2	e8.6	e9.0	e9.0	e9.0	25	28	26	12	7.5	6.3	6.5
28	7.2	8.6	e9.0	e9.0	e9.0	24	30	34	11	7.5	6.3	6.5
29	7.2	8.7	e9.0	e9.0	e9.0	26	29	29	11	7.4	6.2	6.6
30	7.2	8.8	e9.0	e9.0	---	28	28	27	12	7.3	6.1	6.7
31	7.5	---	e9.0	e9.0	---	28	---	27	---	7.2	6.1	---
TOTAL	227.1	250.7	294.1	279.0	260.4	610.5	797	960	572	260.7	197.2	191.9
MEAN	7.33	8.36	9.49	9.00	8.98	19.7	26.6	31.0	19.1	8.41	6.36	6.40
MAX	8.6	8.8	14	9.0	9.3	33	30	39	27	11	7.2	7.3
MIN	7.0	8.1	8.1	9.0	8.6	9.0	22	26	11	7.2	6.1	6.0
AC-FT	450	497	583	553	517	1,210	1,580	1,900	1,130	517	391	381

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	8.78	9.93	11.3	16.4	14.1	20.3	29.1	52.9	56.5	29.2	12.3	8.98
MAX	15.4	18.7	34.2	87.8	38.2	42.0	54.9	107	158	142	35.8	19.0
(WY)	(1999)	(1997)	(1997)	(1997)	(1997)	(1997)	(1996)	(1996)	(1995)	(1995)	(1995)	(1995)
MIN	4.49	5.03	4.05	4.70	5.49	7.85	12.2	14.2	7.66	5.64	4.11	4.08
(WY)	(1991)	(1991)	(1991)	(1991)	(1993)	(1992)	(1991)	(1992)	(1992)	(2001)	(2001)	(1992)

10336775 TROUT CREEK AT PIONEER TRAIL NEAR SOUTH LAKE TAHOE CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	6,639.3		4,900.6			
ANNUAL MEAN	18.2		13.4		22.9	
HIGHEST ANNUAL MEAN					46.9	1995
LOWEST ANNUAL MEAN					7.71	1992
HIGHEST DAILY MEAN	111	May 30	39	May 5	457	Jan 2, 1997
LOWEST DAILY MEAN	6.5	Jan 21	6.0	Sep 1	2.0	Dec 22, 1990
ANNUAL SEVEN-DAY MINIMUM	6.6	Jan 15	6.1	Sep 7	2.8	Dec 21, 1990
MAXIMUM PEAK FLOW			43	May 5	525	Jan 2, 1997
MAXIMUM PEAK STAGE			2.13	May 5	7.59	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	13,170		9,720		16,620	
10 PERCENT EXCEEDS	37		28		53	
50 PERCENT EXCEEDS	9.4		9.0		12	
90 PERCENT EXCEEDS	7.2		6.3		5.4	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.
PERIOD OF DAILY RECORD.--WATER TEMPERATURE: September 1997 to September 2003, discontinued.

INSTRUMENTATION.--Water temperature recorder September 1997 to September 2003, two times per hour.

REMARKS.--In November 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Water temperature data for September 1997 were not published but are available from the U.S. Geological Survey, Carson City, NV.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 22.0°C, July 2, 2001; minimum, freezing point on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
08...	1300	7.3	--	--	--	--	57	21.5	9.5	--	.09	.003	.003
NOV													
06...	1100	E8.2	--	--	--	--	56	5.5	.5	--	.13	<.003	.002
DEC													
03...	1320	8.1	606	10.7	99	7.8	57	9.5	2.5	.09	.11	<.003	.005
JAN													
08...	1315	E9.0	--	--	--	--	54	5.5	.0	--	.10	.003	.017
FEB													
06...	1025	E9.0	--	--	--	--	57	-1.0	.0	--	.12	.005	.017
MAR													
04...	1020	E9.0	604	11.4	99	7.5	56	2.0	.1	.12	.13	.006	.016
18...	1505	22	--	--	--	--	59	15.0	5.5	.29	.31	.003	.027
APR													
08...	0935	29	--	--	--	--	44	9.5	3.0	--	.26	.005	.020
13...	0925	30	--	--	--	--	41	9.0	3.5	.17	.27	.003	.017
22...	1605	23	--	--	--	--	45	7.0	6.5	.14	.18	<.003	.010
27...	1230	27	--	--	--	--	40	18.0	7.0	.16	.19	.006	.017
MAY													
04...	1250	35	--	--	--	--	31	17.5	8.0	.12	.14	.003	.015
17...	1610	30	--	--	--	--	32	12.5	10.5	.13	.13	.004	.006
JUN													
03...	1210	27	608	9.0	104	7.6	31	22.0	11.6	.09	.19	.004	.005
14...	1635	20	--	--	--	--	35	20.5	15.0	.09	.09	<.003	.005
JUL													
07...	1740	9.4	--	--	--	--	47	23.5	19.0	--	.13	.013	.009
AUG													
04...	1240	6.7	--	--	--	--	54	21.5	14.0	--	.08	.006	.003
SEP													
08...	1230	6.4	610	9.8	113	7.7	59	24.5	11.5	.10	.12	.005	.003

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
08...	.009	.019	.017	1	.02
NOV					
06...	.008	.014	.022	5	E.11
DEC					
03...	.008	.012	.017	1	.02
JAN					
08...	.007	.011	.016	3	E.07
FEB					
06...	.006	.014	.025	1	E.02
MAR					
04...	.007	.015	.028	6	E.15
18...	.011	.019	.030	8	.48
APR					
08...	.007	.018	.035	9	.70
13...	.007	.017	.025	6	.49
22...	.007	.013	.018	3	.19
27...	.006	.013	.022	5	.36
MAY					
04...	.007	.015	.031	10	.95
17...	.007	.013	.030	5	.41
JUN					
03...	.008	.015	.030	8	.58
14...	.009	.015	.024	5	.27
JUL					
07...	.009	.019	.026	1	.03
AUG					
04...	.009	.023	.028	2	.04
SEP					
08...	.007	.015	.024	1	.02

TRUCKEE RIVER BASIN, LAKE TAHOE

10336780 TROUT CREEK NEAR TAHOE VALLEY, CA

LOCATION.--Lat 38°55'12", long 119°58'17" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec. 03, T.12 N., R.18 E., El Dorado County, Hydrologic Unit 16050101, on left bank, 5 ft upstream from Martin Avenue Bridge, 500 ft upstream from Heavenly Valley Creek, and 1.8 mi east of Tahoe Valley.

DRAINAGE AREA.--36.7 mi^2.

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 6,241.57 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. Minor diversions for local water supply upstream from station. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 535 ft^3/s, February 1, 1963, gage height, 11.14 ft, and January 2, 1997, gage height, 9.33 ft, from rating curve extended above 250 ft^3/s on basis of computation of peak flow (weir formula); minimum daily, 2.5 ft^3/s, September 7, 1988.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 6	0215	*58	*5.71				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	17	16	e17	e17	17	37	41	40	25	12	9.7
2	13	e15	16	e17	e17	16	33	43	40	23	12	9.6
3	13	e16	15	e17	e17	16	37	47	41	22	13	9.7
4	13	e16	15	e17	e17	17	41	49	41	21	12	10
5	13	18	e17	e17	e17	16	42	52	41	20	12	10
6	15	e16	e17	e17	e17	17	43	52	42	19	12	9.8
7	14	17	e17	e17	e17	17	41	48	42	18	11	9.6
8	13	16	17	e18	e17	19	42	48	41	17	11	9.4
9	13	e16	e17	e18	e17	20	42	47	40	17	11	9.4
10	14	e17	e17	e18	e17	22	42	48	39	17	11	9.3
11	14	e17	e17	18	e17	22	41	49	37	16	11	9.2
12	14	e17	e17	18	e17	23	43	46	36	15	11	9.3
13	14	17	e17	e18	e16	25	44	44	34	15	11	9.4
14	14	19	e17	e17	15	29	41	44	33	14	12	9.4
15	15	17	e17	e17	14	32	39	43	32	14	11	9.7
16	14	16	e17	e17	e18	34	36	42	32	14	12	9.6
17	14	16	e17	e17	e18	36	36	42	32	14	11	9.5
18	13	15	e17	e17	18	37	34	42	31	e15	11	9.5
19	13	16	e18	e17	17	41	33	41	30	15	11	10
20	13	16	18	18	19	41	34	40	29	e14	11	11
21	13	15	17	e17	19	44	35	40	28	e14	11	11
22	14	15	e17	e17	18	47	34	39	27	e13	11	11
23	14	e16	e17	e17	18	47	33	39	26	13	11	11
24	13	e17	e17	e17	17	44	34	38	25	13	11	10
25	13	19	e17	e17	e17	42	36	38	25	13	11	10
26	13	e17	e17	e17	e17	39	38	37	25	13	10	10
27	13	e16	e17	e17	e17	35	40	38	24	13	10	9.9
28	14	15	e17	e17	e17	35	43	50	25	13	10	10
29	14	16	e17	e17	e17	38	42	44	23	12	10	10
30	14	16	e17	18	---	40	40	41	24	12	10	10
31	14	---	e17	e18	---	39	---	41	---	12	9.8	---
TOTAL	421	492	523	536	496	947	1,156	1,353	985	486	343.8	296.0
MEAN	13.6	16.4	16.9	17.3	17.1	30.5	38.5	43.6	32.8	15.7	11.1	9.87
MAX	15	19	18	18	19	47	44	52	42	25	13	11
MIN	13	15	15	17	14	16	33	37	23	12	9.8	9.2
AC-FT	835	976	1,040	1,060	984	1,880	2,290	2,680	1,950	964	682	587

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2004, BY WATER YEAR (WY)

MEAN	17.0	19.4	20.7	24.0	24.5	29.7	43.2	76.6	90.1	48.0	23.6	17.0
MAX	37.6	61.1	64.0	115	68.7	85.0	81.9	184	286	188	88.7	49.6
(WY)	(1983)	(1984)	(1984)	(1997)	(1986)	(1986)	(1982)	(1969)	(1983)	(1995)	(1983)	(1983)
MIN	5.19	7.43	8.18	8.00	8.02	11.0	15.7	14.2	10.9	5.21	3.43	3.71
(WY)	(1989)	(1978)	(1991)	(1991)	(1991)	(1977)	(1988)	(1988)	(1988)	(1988)	(1977)	(1977)

10336780 TROUT CREEK NEAR TAHOE VALLEY, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1961 - 2004	
ANNUAL TOTAL	10,697		8,034.8			
ANNUAL MEAN	29.3		22.0		36.2	
HIGHEST ANNUAL MEAN					85.3	1983
LOWEST ANNUAL MEAN					10.2	1977
HIGHEST DAILY MEAN	130	May 30	52	May 5	501	Jan 2, 1997
LOWEST DAILY MEAN	13	Jan 9	9.2	Sep 11	2.5	Sep 7, 1988
ANNUAL SEVEN-DAY MINIMUM	13	Jan 9	9.3	Sep 8	3.0	Sep 9, 1977
MAXIMUM PEAK FLOW			58	May 6	535	Feb 1, 1963
MAXIMUM PEAK STAGE			5.71	May 6	11.14	Feb 1, 1963
ANNUAL RUNOFF (AC-FT)	21,220		15,940		26,200	
10 PERCENT EXCEEDS	67		41		80	
50 PERCENT EXCEEDS	18		17		22	
90 PERCENT EXCEEDS	13		11		9.1	

e Estimated

10336790 TROUT CREEK AT SOUTH LAKE TAHOE, CA

LOCATION.--Lat 38°55'56", long 119°58'40" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec. 03, T.12 N., R.18 E., El Dorado County, Hydrologic Unit 16050101, on right bank, downstream side of U.S. Highway 50 bridge, 1.2 mi upstream from Lake Tahoe, and 1.4 mi southwest of South Lake Tahoe Post Office.

DRAINAGE AREA.--40.4 mi^2.

PERIOD OF RECORD.--Water years 1972-74, 1989 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Instantaneous: October 1971 to June 1974, October 1988 to September 1992. Continuous: September 1997 to September 2003, discontinued.
SUSPENDED-SEDIMENT DISCHARGE: October 1971 to June 1974, October 1988 to September 1992.

INSTRUMENTATION.--Water temperature recorder September 1997 to September 2003, two times per hour.

REMARKS.--In October 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Water temperature data for September 1997 were not published but are available from the U.S. Geological Survey in Carson City, NV.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 22.0°C, July 8, 1990, August 2, 2001; minimum, freezing point on many days during winter months.
SEDIMENT CONCENTRATION: Maximum daily mean, 300 mg/L, January 15, 1974; minimum daily mean, 0 mg/L, at times in most years.
SEDIMENT LOAD: Maximum daily, 52 tons, January 15, 1974; minimum daily, 0 ton, at times in most years.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
08...	1100	15	--	--	--	--	54	19.0	8.4	--	.13	.003	.003
NOV													
06...	1500	E17	--	--	--	--	52	6.0	1.5	--	.10	<.003	.003
DEC													
03...	1120	16	607	11.2	100	7.6	56	9.0	1.5	.07	.11	<.003	.007
JAN													
08...	1040	E19	--	--	--	--	54	7.5	.0	--	.11	.004	.021
FEB													
06...	1150	E18	--	--	--	--	58	2.0	.0	--	.12	.007	.022
17...	1150	E19	--	--	--	--	50	6.5	.5	.19	.34	.007	.027
MAR													
04...	1120	20	605	11.2	100	7.4	58	2.5	1.1	.12	.16	.006	.019
08...	1005	19	--	--	--	--	60	7.0	1.5	.08	.17	.004	.012
15...	0915	33	--	--	--	--	61	4.5	2.5	.18	.28	.003	.024
22...	1000	46	--	--	--	--	52	9.5	3.0	.26	.35	<.003	.029
30...	1405	38	--	--	--	--	51	15.0	8.0			<.003	.019
APR													
08...	1055	44	--	--	--	--	45	11.5	4.5	--	.16	.005	.021
13...	1445	44	--	--	--	--	43	9.0	7.5	.14	.26	.003	.017
22...	1725	36	--	--	--	--	47	10.0	8.5	.16	.22	<.003	.015
27...	1105	41	--	--	--	--	43	15.5	6.5	.15	.21	.007	.017
MAY													
03...	1130	50	--	--	--	--	35	16.0	7.5	.17	.40	.004	.021
06...	1050	55	--	--	--	--	32	14.0	6.5	.13	.29	.003	.016
17...	1715	44	--	--	--	--	34	13.0	12.0	.11	.21	.006	.008
21...	1050	44	--	--	--	--	37	10.5	6.0	.11	.20	.004	.009
JUN													
03...	1335	44	610	8.2	98	7.5	34	21.5	13.0	.14	.26	.003	.008
14...	0905	37	--	--	--	--	36	12.5	8.5	.08	.17	.004	.008
JUL													
07...	1005	21	--	--	--	--	44	21.5	13.5	--	.18	.009	.005
AUG													
04...	1100	14	--	--	--	--	50	20.5	12.5	--	.20	.003	.004
SEP													
08...	1355	11	612	8.3	106	7.9	54	25.0	16.4	.08	.13	.006	.003

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
08...	.009	.017	.020	1	.04
NOV					
06...	.008	.013	.019	2	E.09
DEC					
03...	.007	.013	.018	2	.09
JAN					
08...	.006	.014	.018	3	E.15
FEB					
06...	.007	.018	.025	5	E.24
17...	.005	.022	.047	13	E.67
MAR					
04...	.007	.013	.026	9	.49
08...	.005	.014	.027	5	.26
15...	.006	.015	.040	10	.89
22...	.008	.017	.038	13	1.6
30...	.009	.025	.032	8	.82
APR					
08...	.007	.022	.032	7	.83
13...	.008	.017	.027	7	.83
22...	.009	.018	.025	6	.58
27...	.008	.013	.025	7	.77
MAY					
03...	.007	.014	.036	19	2.6
06...	.007	.014	.036	13	1.9
17...	.009	.016	.049	21	2.5
21...	.007	.019	.029	9	1.1
JUN					
03...	.009	.018	.044	19	2.3
14...	.009	.015	.031	13	1.3
JUL					
07...	.009	.019	.034	12	.68
AUG					
04...	.011	.021	.038	10	.38
SEP					
08...	.008	.021	.028	4	.12

Remark codes used in this table:
< -- Less than
E -- Estimated value

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

10337000 LAKE TAHOE AT TAHOE CITY, CA

LOCATION.—Lat 39°10'51", long 120°07'06", in NE ¼ NE ¼ sec.5, T.15 N., R.17 E., Placer County, Hydrologic Unit 16050101, on U.S. Coast Guard pier at Lake Forest, 1.1 mi northeast of Tahoe City, and 1.8 mi northeast of Lake Tahoe outlet dam on Truckee River, at Tahoe City.

DRAINAGE AREA.—506 mi^2, at lake outlet.

PERIOD OF RECORD.—April 1900 to current year. Monthend elevations only for October 1943 to September 1957, published in WSP 1734. Prior to October 1961, published as "at Tahoe."
CHEMICAL DATA: Water year 1969, bimonthly; 1978, biannually; 1979, annually.

REVISED RECORDS.—WDR CA-78-3: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 6,220.00 ft above U.S. Bureau of Reclamation datum, 6,218.86 ft above the NGVD of 1929. Prior to Oct. 1, 1957, nonrecording gages at several sites near outlet of lake at same datum except for water years 1907 and 1908, which were at datum 5.5 ft higher. Oct. 1, 1957, to May 8, 1958, water-stage recorder on left wingwall of dam at outlet of lake at same datum. May 9, 1958, to Sept. 30, 1968, water-stage recorder on pier, 1,000 ft east of dam at lake outlet.

REMARKS.—Lake levels regulated by a 17-gate concrete dam at outlet of lake; storage began about 1874. Monthly figures given represent usable contents. Usable capacity, 744,600 acre-ft, between elevations 6,223 ft, natural rim of lake, and 6,229.1 ft, maximum permissible elevation by Federal Court decree. Lake elevations referred to U.S. Bureau of Reclamation datum because that datum is used as the official reference point by all local, State, and Federal agencies. There are minor diversions for domestic purposes, irrigation, and power. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum elevation, 6,231.26 ft, July 14, 15, 17, 18, 1907; minimum, 6,220.26 ft, Nov. 30, 1992.

EXTREMES FOR CURRENT YEAR.—Maximum elevation, 6,224.30 ft, June 4, 5, 13, 14; minimum, 6,222.84 ft, Sept. 30.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on topographic information available in April 1959)

6,223	0	6,225	243,000	6,227	486,800	6,229.1	744,600
6,224	121,400	6,226	364,800	6,228	609,300		

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.63	3.19	2.87	3.38	3.34	3.74	3.91	4.03	4.29	4.19	3.80	3.29
2	3.61	3.14	2.87	3.42	3.39	3.75	3.90	4.04	4.29	4.18	3.77	3.27
3	3.61	3.16	2.86	3.42	3.39	3.72	3.91	4.06	4.29	4.17	3.75	3.24
4	3.59	3.11	2.86	3.41	3.39	3.73	3.91	4.07	4.30	4.16	3.74	3.21
5	3.58	3.13	2.86	3.40	3.38	3.72	3.92	4.09	4.30	4.15	3.70	3.20
6	3.58	3.11	2.98	3.38	3.37	3.73	3.92	4.09	4.29	4.15	3.68	3.19
7	3.56	3.10	3.00	3.39	3.39	3.72	3.93	4.10	4.26	4.12	3.68	3.19
8	3.55	3.08	2.98	3.40	3.39	3.73	3.95	4.13	4.28	4.12	3.67	3.18
9	3.49	3.12	2.95	3.38	3.36	3.74	3.96	4.13	4.28	4.08	3.65	3.16
10	3.47	3.11	3.04	3.39	3.36	3.73	3.96	4.13	4.29	4.08	3.64	3.15
11	3.48	3.13	3.06	3.39	3.36	3.74	3.98	4.17	4.29	4.07	3.63	3.14
12	3.44	3.10	3.04	3.40	3.36	3.74	3.98	4.18	4.28	4.05	3.64	3.12
13	3.44	3.07	3.02	3.39	3.35	3.74	3.97	4.18	4.30	4.03	3.62	3.09
14	3.41	3.07	3.11	3.40	3.34	3.75	3.96	4.20	4.30	4.03	3.60	3.07
15	3.38	3.07	3.10	3.39	3.34	3.76	3.96	4.19	4.29	4.01	3.60	3.06
16	3.37	3.03	3.10	3.39	3.43	3.76	3.97	4.20	4.29	4.01	3.58	3.04
17	3.38	3.05	3.09	3.40	3.41	3.77	3.97	4.20	4.28	4.00	3.56	2.99
18	3.36	3.04	3.09	3.39	3.46	3.76	3.96	4.20	4.28	3.99	3.56	2.99
19	3.35	3.01	3.09	3.39	3.46	3.78	3.96	4.20	4.28	3.97	3.55	2.93
20	3.35	2.97	3.11	3.39	3.46	3.79	3.96	4.20	4.27	3.96	3.53	2.94
21	3.34	2.99	3.10	3.38	3.47	3.80	3.98	4.20	4.27	3.96	3.51	2.93
22	3.34	2.96	3.10	3.38	3.48	3.82	3.99	4.19	4.26	3.95	3.48	2.90
23	3.32	2.93	3.09	3.37	3.46	3.82	3.98	4.21	4.26	3.95	3.45	2.89
24	3.31	2.92	3.22	3.37	3.47	3.83	3.98	4.22	4.25	3.93	3.43	2.90
25	3.28	2.91	3.26	3.36	3.58	3.89	3.99	4.21	4.23	3.92	3.40	2.88
26	3.27	2.90	3.24	3.36	3.73	3.87	4.00	4.21	4.22	3.91	3.40	2.87
27	3.25	2.90	3.24	3.37	3.72	3.88	4.00	4.24	4.22	3.90	3.36	2.86
28	3.27	2.88	3.21	3.37	3.72	3.89	4.03	4.25	4.23	3.88	3.34	2.85
29	3.17	2.89	3.32	3.38	3.72	3.90	4.02	4.27	4.20	3.85	3.34	2.86
30	3.18	2.86	3.31	3.36	---	3.90	4.02	4.27	4.20	3.84	3.33	2.84
31	3.19	---	3.31	3.35	---	3.90	---	4.28	---	3.82	3.31	---
MEAN	3.40	3.03	3.08	3.39	3.45	3.79	3.96	4.17	4.27	4.01	3.56	3.04
MAX	3.63	3.19	3.32	3.42	3.73	3.90	4.03	4.28	4.30	4.19	3.80	3.29
MIN	3.17	2.86	2.86	3.35	3.34	3.72	3.90	4.03	4.20	3.82	3.31	2.84
a	23,100	0	37,600	42,500	83,300	106,400	123,500	153,300	143,600	95,600	37,600	0
b	-50,300	-23,100	+37,600	+4,900	+40,800	+23,100	+17,100	+29,800	-9,700	-48,000	-58,000	-37,600

CAL YR 2003 MEAN 3.88 MAX 4.89 MIN 2.86 b -34,700
WTR YR 2004 MEAN 3.60 MAX 4.30 MIN 2.84 b -73,400

a Usable contents, in acre-feet, at end of month.
b Change in contents, in acre-feet.

10337500 TRUCKEE RIVER AT TAHOE CITY, CA

LOCATION.—Lat 39°09'59", long 120°08'36", in NE ¼ NW ¼ sec.7, T.15 N., R.17 E., Placer County, Hydrologic Unit 16050102, on left bank, 510 ft downstream from dam at outlet of Lake Tahoe, at Tahoe City.

DRAINAGE AREA.—507 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1895 to February 1896, March 1900 to current year. Monthly discharge only for some periods, published in WSP 1314 and 1734. Prior to October 1961, published as "at Tahoe."

REVISED RECORDS.—WDR CA-78-3: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 6,216.59 ft above NGVD of 1929. Prior to Nov. 12, 1912, nonrecording gage at site 370 ft upstream at different datum. Nov. 12, 1912, to Sept. 30, 1937, nonrecording gage; Oct. 1, 1937, to Aug. 21, 1957, water-stage recorder at datum 2.26 ft higher; and Aug. 22, 1957, to July 10, 1960, at datum 2.42 ft higher; all at site 270 ft upstream.

REMARKS.—Records good. Flow completely regulated by dam at outlet of Lake Tahoe (station 10337000), 510 ft upstream. There are several diversions for irrigation, power, and domestic water supply. In addition, sewer effluent is pumped from the Lake Tahoe Basin. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 2,690 ft^3/s, Jan. 2, 1997, gage height, 9.59 ft; no flow for parts of many years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	11	0.00	e1.0	28	60	58	91	64	323	146	20
2	80	8.5	0.00	e1.1	30	60	71	92	65	316	134	17
3	77	7.0	0.00	e2.3	34	58	78	93	65	312	129	16
4	74	4.8	0.00	e2.9	35	57	76	95	66	305	124	9.2
5	73	4.5	0.00	e2.6	35	55	77	82	66	300	112	8.2
6	70	5.9	e2.0	e9.7	33	52	76	73	67	295	105	7.0
7	68	5.2	e1.5	e14	36	51	75	70	67	289	100	7.8
8	64	5.9	1.2	e15	35	50	75	70	67	282	98	9.1
9	55	8.4	0.44	e20	40	50	76	70	68	270	94	9.8
10	52	8.2	0.19	e21	33	50	75	70	68	262	93	8.3
11	44	6.9	0.14	e22	31	51	76	70	69	256	92	6.2
12	44	11	e0.30	e20	29	52	77	71	70	253	90	4.0
13	40	3.1	e0.30	e20	29	52	78	70	79	249	89	1.9
14	36	3.0	e0.35	e21	29	51	79	70	138	242	86	1.2
15	32	3.7	e0.35	e23	27	50	80	70	169	237	84	3.0
16	29	3.1	e0.35	e27	34	51	79	70	169	231	80	6.1
17	28	2.7	e0.35	e29	42	51	80	69	169	227	77	6.1
18	27	2.6	e0.40	e32	45	51	81	69	170	219	74	4.5
19	26	2.1	e0.40	35	47	52	82	68	188	213	72	1.7
20	24	0.17	e0.40	41	46	50	84	68	230	210	69	0.00
21	23	0.00	e0.40	37	45	50	85	68	247	204	65	0.00
22	22	0.00	e0.45	31	47	50	86	68	248	203	59	0.00
23	21	0.00	e0.45	31	48	48	85	67	250	199	55	0.00
24	17	0.00	e0.45	30	46	47	86	66	262	193	49	0.00
25	18	0.00	e0.45	30	e47	45	87	66	286	190	40	0.00
26	17	0.00	e0.50	29	e55	43	88	66	301	182	40	0.00
27	17	0.00	e0.50	29	60	43	89	67	313	178	34	0.00
28	17	0.00	e0.60	30	60	44	90	67	340	172	28	0.00
29	14	0.00	e0.70	31	59	45	90	66	336	165	28	0.00
30	13	0.00	e0.80	29	---	46	90	66	329	158	26	0.00
31	11	---	e0.90	28	---	45	---	64	---	151	24	---
TOTAL	1216	107.77	14.87	694.6	1165	1560	2409	2232	5026	7286	2396	147.10
MEAN	39.2	3.59	0.48	22.4	40.2	50.3	80.3	72.0	168	235	77.3	4.90
MAX	83	11	2.0	41	60	60	90	95	340	323	146	20
MIN	11	0.00	0.00	1.0	27	43	58	64	64	151	24	0.00
AC-FT	2410	214	29	1380	2310	3090	4780	4430	9970	14450	4750	292

e Estimated.

10337500 TRUCKEE RIVER AT TAHOE CITY, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	179	192	228	236	290	256	176	165	235	276	311	262
MAX	413	1575	2209	2561	2375	2235	1806	1746	1673	1071	638	687
(WY)	1910	1983	1984	1997	1997	1986	1983	1958	1969	1983	1918	1983
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	1932	1927	1925	1925	1925	1925	1919	1919	1921	1931	1931	1931

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1909 - 2004	
ANNUAL TOTAL	38221.64		24254.34			
ANNUAL MEAN	105		66.3		232	
HIGHEST ANNUAL MEAN					1150	1983
LOWEST ANNUAL MEAN					0.15	1994
HIGHEST DAILY MEAN	369	Aug 9	340	Jun 28	2630	Jan 3 1997
LOWEST DAILY MEAN	0.00	Nov 21	0.00	Nov 21	0.00	Jan 4 1914
ANNUAL SEVEN-DAY MINIMUM	0.00	Nov 21	0.00	Nov 21	0.00	Jan 23 1914
MAXIMUM PEAK FLOW			357	Jun 28	2690	Jan 2 1997
MAXIMUM PEAK STAGE			4.21	Jun 28	9.59	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	75810		48110		167700	
10 PERCENT EXCEEDS	317		189		467	
50 PERCENT EXCEEDS	69		48		135	
90 PERCENT EXCEEDS	0.66		0.40		0.00	

10337500 TRUCKEE RIVER AT TAHOE CITY, CA—Continued

PRECIPITATION RECORDS

PERIOD OF RECORD.— January 2002 to current year.

INSTRUMENTATION.—Heated tipping-bucket gage.

EXTREMES FOR PERIOD OF RECORD.—Maximum recorded daily precipitation, 2.75 in., Nov. 8, 2002; no precipitation for many days each year.

EXTREMES FOR CURRENT YEAR.—Maximum daily precipitation, 2.12 in., Dec. 6; no precipitation for many days.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.16	0.24	0.47	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.36	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	2.12	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.04	0.35	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
9	0.00	0.31	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00
10	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00
11	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00
12	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.16	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.08	0.00	0.04	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.12	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.20	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.04
21	0.00	0.04	0.00	0.00	0.04	0.00	0.24	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.08	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	1.49	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.39	0.00	1.53	0.47	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.04	1.34	0.04	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
28	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00
29	0.00	0.00	1.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.04	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	1.26	---	0.08	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	1.26	0.99	8.55	1.27	6.03	0.75	0.56	0.76	0.28	0.00	0.00	0.04
MAX	1.26	0.31	2.12	0.47	1.53	0.47	0.24	0.28	0.24	0.00	0.00	0.04
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1978 to September 1980, June 1983, December 2000 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June 1993 to September 1994.

REMARKS.--In December 2000, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor nutrient and sediment outflow from Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 22.0°C, July 24, 27, August 2, 1993; minimum, freezing point on several days in February, 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)
DEC													
18...	1005	E.40	612	10.5	100	93	4.0	4.0	.06	.14	.004	.003	.001
MAR													
12...	1105	50	608	10.2	106	93	6.5	7.2	.07	.13	.006	.006	.001
JUN													
11...	0930	69	608	9.2	104	92	14.0	10.8	.06	.11	.005	.002	.001
SEP													
17...	1200	7.5	606	8.3	114	119	20.5	19.5	.09	.12	.007	.002	.002

Date	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
DEC				
18...	.004	.007	1	E.01
MAR				
12...	.004	.008	1	.14
JUN				
11...	.004	.008	2	.37
SEP				
17...	.005	.008	2	.04

Remark codes used in this table:
E -- Estimated value

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

10338000 TRUCKEE RIVER NEAR TRUCKEE, CA

LOCATION.—Lat 39°17'47", long 120°12'16", in SW ¼ NE ¼ sec.28, T.17 N., R.16 E., Placer County, Hydrologic Unit 16050102, Tahoe National Forest, on left bank, 1.4 mi downstream from Cabin Creek, and 2.5 mi southwest of Truckee.

DRAINAGE AREA.—553 mi^2.

PERIOD OF RECORD.—December 1944 to September 1961, June 1977 to September 1982, October 1992 to September 1995, October 1996 to current year. Monthly discharge only for some periods, published in WSP 1314.
CHEMICAL DATA: Water years 1951–66.
SPECIFIC CONDUCTANCE: July 1977 to September 1982.
WATER TEMPERATURE: July 1977 to September 1982, March 1993 to September 1994.

REVISED RECORDS.—WDR CA-77-3: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 5,857.66 ft above NGVD of 1929.

REMARKS.—Records good. Flow regulated by Lake Tahoe (station 10337000), operating capacity, 744,600 acre-ft. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 11,900 ft^3/s, Jan. 2, 1997, gage height, 9.97 ft, from rating curve extended above 3,100 ft^3/s, on basis of slope-area measurements at gage heights 7.62 ft and 7.92 ft; minimum daily, 3.4 ft^3/s, several days in August 1994.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	20	12	e36	46	100	232	313	227	336	157	27
2	92	19	13	e36	52	97	233	351	225	332	147	25
3	86	17	12	e36	56	94	252	393	221	329	140	22
4	85	17	11	35	52	92	284	436	208	317	134	21
5	81	15	15	e51	52	92	324	434	196	310	124	17
6	80	15	114	e55	52	93	322	383	195	305	112	16
7	78	15	137	53	52	98	297	339	187	299	105	15
8	71	15	48	55	53	111	313	325	163	291	104	15
9	67	17	34	66	53	133	319	309	154	283	101	14
10	58	16	32	68	59	155	311	283	141	271	98	14
11	52	15	29	67	48	162	300	245	139	265	97	13
12	51	15	27	65	49	167	309	219	139	260	93	12
13	48	17	31	64	46	177	315	219	144	255	92	11
14	45	14	36	63	42	191	283	234	190	247	90	10
15	41	15	29	63	42	217	261	246	235	242	87	10
16	37	13	27	62	106	227	238	252	232	237	84	9.1
17	34	13	25	61	209	230	225	256	229	234	81	8.8
18	33	13	24	61	140	249	210	239	226	227	78	8.8
19	31	13	24	61	115	276	197	224	230	223	77	8.8
20	31	13	30	63	103	285	207	224	257	219	74	8.8
21	30	13	34	68	95	317	205	219	279	212	70	8.8
22	30	10	30	58	92	334	200	218	277	210	66	8.4
23	28	11	28	58	92	343	197	222	274	204	57	7.4
24	29	11	e29	53	87	316	210	216	278	201	52	7.4
25	27	10	e30	51	110	267	234	210	295	197	47	7.4
26	25	10	e31	50	123	218	269	211	309	192	41	7.4
27	23	9.7	e32	50	135	190	327	255	313	187	44	7.4
28	23	10	e32	50	112	184	362	337	343	182	35	7.4
29	23	11	33	50	100	196	324	246	341	176	33	7.4
30	17	11	36	49	---	227	295	236	337	167	31	7.4
31	19	---	35	46	---	235	---	234	---	163	30	---
TOTAL	1467	413.7	1060	1704	2373	6073	8055	8528	6984	7573	2581	362.7
MEAN	47.3	13.8	34.2	55.0	81.8	196	268	275	233	244	83.3	12.1
MAX	92	20	137	68	209	343	362	436	343	336	157	27
MIN	17	9.7	11	35	42	92	197	210	139	163	30	7.4
AC-FT	2910	821	2100	3380	4710	12050	15980	16920	13850	15020	5120	719

e Estimated.

10338000 TRUCKEE RIVER NEAR TRUCKEE, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	190	195	273	323	350	335	396	549	473	307	284	249
MAX	387	551	1483	3190	2537	1421	1734	2403	1843	635	492	453
(WY)	1948	1951	1997	1997	1997	1952	1958	1958	1998	1998	1959	1954
MIN	7.27	11.3	14.2	8.82	12.2	58.1	98.3	122	34.5	6.40	3.56	4.72
(WY)	1995	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1945 - 2004	
ANNUAL TOTAL	68240.7		47174.4			
ANNUAL MEAN	187		129		331	
HIGHEST ANNUAL MEAN					941	1997
LOWEST ANNUAL MEAN					32.4	1994
HIGHEST DAILY MEAN	664	May 29	436	May 4	8900	Jan 1 1997
LOWEST DAILY MEAN	9.7	Nov 27	7.4	Sep 23	3.4	Aug 18 1994
ANNUAL SEVEN-DAY MINIMUM	10	Nov 22	7.4	Sep 23	3.4	Aug 22 1994
MAXIMUM PEAK FLOW			564	May 4	11900	Jan 2 1997
MAXIMUM PEAK STAGE			2.40	May 4	9.97	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	135400		93570		239800	
10 PERCENT EXCEEDS	368		299		534	
50 PERCENT EXCEEDS	172		91		240	
90 PERCENT EXCEEDS	20		13		46	

10338400 DONNER LAKE NEAR TRUCKEE, CA

LOCATION.—Lat 39°19'30", long 120°16'53", in SE ¼ NW ¼ sec.14, T.17 N., R.15 E., Nevada County, Hydrologic Unit 16050102, on north shore, 2.5 mi upstream from outlet gates, and 4.9 mi west of Truckee.

DRAINAGE AREA.—14.0 mi^2.

WATER DISCHARGE RECORDS

PERIOD OF RECORD.—January 1989 to current year.

GAGE.—Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Westpac Utilities).

REMARKS.—Lake levels regulated by a concrete dam at the outlet constructed in 1928. Usable capacity, 9,490 acre-ft, between elevations 5,923.8 ft and 5,935.8 ft, maximum storage level. Water is used for irrigation and power development downstream. Records, including extremes, represent usable contents. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum contents, 12,800 acre-ft, Jan. 2, 1997, elevation, 5,938.64 ft; minimum, 2,510 acre-ft, Jan. 24, 28–31, 1991, elevation, 5,927.23 ft.

EXTREMES FOR CURRENT YEAR.—Maximum contents, 9,640 acre-ft, May 28, elevation, 5,935.97 ft; minimum, 3,260 acre-ft, Dec. 4, elevation, 5,928.20 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by Westpac Utilities, dated Aug. 22, 1980)

5,923.8	0	5,930.0	4,690	5,934	7,970	5,938	12,000
5,926.0	1,600	5,932	6,310	5,936	9,670	5,940	14,700
5,928.0	3,120						

RESERVOIR STORAGE, ACRE FEET, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6480	5660	3290	3760	3420	3820	4420	6930	9470	9470	8960	8270
2	6400	5560	3290	3750	3480	3780	4380	7150	9470	9470	8930	8220
3	6300	5430	3280	3710	3470	3740	4400	7390	9500	9470	8910	8120
4	6210	5150	3260	3650	3460	3700	4460	7640	9520	9460	8880	8020
5	6100	4880	3290	3620	3450	3690	4530	7880	9540	9450	8850	7920
6	6030	4660	3630	3590	3450	3670	4560	8080	9540	9430	8830	7810
7	5990	4490	3650	3570	3450	3680	4560	8240	9540	9410	8800	7660
8	5960	4350	3630	3550	3440	3710	4610	8420	9550	9400	8780	7410
9	5940	4260	3600	3540	3410	3760	4640	8550	9560	9390	8770	7120
10	5930	4130	3650	3520	3410	3820	4660	8720	9570	9370	8740	6830
11	5910	4030	3630	3510	3400	3860	4680	8840	9580	9350	8710	6560
12	5910	3940	3590	3500	3390	3910	4710	8940	9590	9340	8690	6280
13	5900	3870	3590	3490	3380	3940	4730	9040	9600	9320	8670	6040
14	5880	3810	3630	3480	3390	4000	4690	9160	9590	9300	8650	5850
15	5860	3760	3600	3480	3380	4070	4700	9270	9580	9280	8640	5690
16	5860	3690	3570	3480	3620	4130	4740	9380	9570	9270	8610	5460
17	5850	3650	3550	3470	3780	4190	4800	9440	9550	9250	8590	5170
18	5830	3600	3510	3460	3860	4250	4880	9530	9540	9230	8570	4910
19	5820	3520	3500	3460	3850	4340	4960	9570	9540	9210	8550	4680
20	5820	3490	3520	3460	3830	4400	5090	9600	9540	9210	8530	4470
21	5820	3470	3510	3450	3810	4500	5220	9580	9540	9190	8500	4300
22	5800	3430	3500	3450	3790	4580	5310	9540	9540	9180	8480	4160
23	5790	3410	3510	3440	3770	4650	5410	9500	9530	9160	8440	4030
24	5780	3380	3650	3450	3740	4650	5540	9490	9530	9150	8420	3930
25	5770	3360	3670	3430	3910	4680	5700	9500	9520	9130	8390	3830
26	5760	3340	3630	3410	3970	4610	5910	9500	9510	9100	8380	3760
27	5760	3330	3600	3460	3920	4520	6170	9530	9500	9090	8360	3690
28	5750	3300	3550	3450	3880	4460	6400	9640	9490	9070	8350	3630
29	5720	3290	3710	3450	3830	4430	6570	9620	9490	9040	8340	3570
30	5690	3290	3670	3450	---	4430	6730	9550	9480	9010	8320	3530
31	5700	---	3650	3430	---	4440	---	9500	---	8990	8310	---
MAX	6480	5660	3710	3760	3970	4680	6730	9640	9600	9470	8960	8270
MIN	5690	3290	3260	3410	3380	3670	4380	6930	9470	8990	8310	3530
a	5931.27	5928.24	5928.70	5928.42	5928.92	5929.70	5932.52	5935.81	5935.79	5935.21	5934.41	5928.55
b	-880	-2410	+360	-220	+400	+610	+2290	+2770	-20	-490	-680	-4780

CAL YR 2003 MAX 9750 MIN 3260 b -410
WTR YR 2004 MAX 9640 MIN 3260 b -3050

a Elevation, in feet, at end of month.
b Change in contents, in acre-feet.

10338400 DONNER LAKE NEAR TRUCKEE, CA—Continued

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 2001 to current year.

INSTRUMENTATION.—Heated tipping-bucket gage.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily precipitation, 3.36 in., Dec. 6, 2003; no precipitation for many days.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.08	0.40	1.40	0.00	0.16	0.00	0.00	0.00	0.04	0.00	0.00
2	e0.00	0.03	0.03	0.36	0.82	0.04	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.16	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	3.36	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.08	0.23	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.39	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.51	0.16	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
10	0.00	0.00	0.85	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00
11	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00
12	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
13	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.31	0.94	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
15	0.00	0.04	0.00	0.00	0.07	0.00	0.08	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.04	0.00	0.00	0.20	0.00	0.04	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.58	0.00	0.04	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.08	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.04
20	0.00	0.00	0.43	0.04	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.04	0.00	0.35	0.00	0.04	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	1.87	0.12	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.35	0.00	1.68	0.70	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.00
29	0.00	0.00	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.03	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.43	---	0.12	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.43	1.67	11.86	2.54	7.09	0.90	0.98	1.26	0.12	0.04	0.00	0.04

e Estimated.

10338500 DONNER CREEK AT DONNER LAKE, NEAR TRUCKEE, CA

LOCATION.—Lat 39°19'25", long 120°14'00", in SW ¼ NW ¼ sec.17, T.17 N., R.16 E., Nevada County, Hydrologic Unit 16050102, in Donner Memorial State Park, on left bank, 10 ft downstream from bridge on Donner Memorial State Park road, 0.2 mi downstream from outlet of Donner Lake, 0.7 mi upstream from Cold Creek, and 2.5 mi west of Truckee.

DRAINAGE AREA.—14.3 mi^2.

PERIOD OF RECORD.—November 1909 to August 1910, January 1929 to October 1935, January 1936 to March 1938, July to October 1938, January 1939 to February 1943, June 1943 to December 1953, May 1955 to December 1957, October 1958 to current year. Monthly discharge only prior to October 1958, published in WSP 1314 and 1734.

REVISED RECORDS.—WDR CA-79-3: Drainage area.

GAGE.—Water-stage recorder and concrete control, completed Oct. 3, 1989. Datum of gage is 5,924.40 ft above NGVD of 1929. Nov. 1, 1909, to Aug. 31, 1910, nonrecording gage at different datum. January 1929 to December 1957, water-stage recorder at same site at unknown datum.

REMARKS.—Records good. Flow completely regulated at dam at outlet of Donner Lake (station 10338400) since 1928. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 863 ft^3/s, Jan. 2, 1997, gage height, 6.69 ft; no flow at times in many years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	20	7.3	e29	14	38	95	4.2	43	2.9	2.5	5.0
2	49	46	7.5	28	16	36	89	4.3	21	3.5	2.9	16
3	47	82	7.1	28	17	33	86	4.4	11	3.4	3.3	35
4	46	145	6.8	25	16	31	90	2.9	11	2.5	3.1	43
5	46	148	7.6	23	15	30	97	1.9	9.6	2.4	2.8	43
6	36	125	13	21	14	28	102	1.8	9.3	2.4	2.7	43
7	19	109	24	20	16	28	103	1.8	8.5	2.6	2.9	72
8	8.4	92	23	19	15	29	106	1.7	8.0	2.4	2.9	120
9	2.9	82	22	18	14	31	99	1.6	7.6	2.3	2.6	142
10	2.3	69	23	17	14	34	95	1.5	6.8	2.5	3.0	143
11	1.9	58	23	17	13	39	97	1.4	6.3	4.3	3.7	141
12	1.5	49	22	16	13	42	100	1.3	5.9	3.5	4.1	134
13	1.1	42	22	16	13	46	103	1.9	5.7	2.3	3.8	120
14	2.4	36	24	15	12	51	103	2.1	8.8	2.1	3.0	100
15	3.6	33	23	15	12	56	79	2.1	12	2.2	2.8	87
16	3.2	29	21	15	17	63	38	2.2	12	2.2	2.7	121
17	2.8	26	19	15	36	68	18	7.4	12	2.2	2.5	132
18	2.8	23	18	14	41	81	7.6	12	8.0	1.8	2.4	130
19	2.6	21	17	14	42	86	3.8	18	4.9	1.8	3.1	125
20	2.5	19	18	14	41	92	2.4	25	4.9	1.8	3.6	111
21	2.3	17	18	e14	39	104	1.7	43	3.5	2.0	3.0	92
22	2.7	15	17	e13	38	110	2.5	54	2.0	2.0	2.8	76
23	2.9	14	17	e14	35	117	4.1	54	1.6	2.0	2.5	64
24	2.7	12	21	e14	34	122	4.9	39	2.2	1.8	2.5	54
25	2.4	11	26	e14	39	119	6.3	27	2.7	1.7	2.5	45
26	2.2	10	25	e14	50	118	4.8	27	2.7	2.7	2.2	38
27	2.2	9.5	22	14	49	112	4.0	27	2.8	3.6	2.2	32
28	2.1	9.0	21	15	44	104	4.2	36	3.1	3.2	2.4	28
29	3.8	8.5	25	15	41	96	4.2	54	3.1	3.2	2.5	24
30	9.9	8.1	28	15	---	95	4.3	59	2.8	3.0	2.4	20
31	14	---	27	14	---	97	---	59	---	2.9	2.3	---
TOTAL	380.2	1368.1	595.3	535	760	2136	1554.8	578.5	242.8	79.2	87.7	2336.0
MEAN	12.3	45.6	19.2	17.3	26.2	68.9	51.8	18.7	8.09	2.55	2.83	77.9
MAX	52	148	28	29	50	122	106	59	43	4.3	4.1	143
MIN	1.1	8.1	6.8	13	12	28	1.7	1.3	1.6	1.7	2.2	5.0
AC-FT	754	2710	1180	1060	1510	4240	3080	1150	482	157	174	4630

e Estimated.

10338500 DONNER CREEK AT DONNER LAKE, NEAR TRUCKEE, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	29.2	27.5	30.2	32.9	32.7	38.0	53.2	83.9	45.8	11.9	7.65	26.3
MAX	85.7	195	214	284	198	182	144	243	244	67.2	52.7	99.1
(WY)	1973	1951	1951	1997	1986	1986	1940	1952	1983	1934	1932	1983
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	1930	1930	1930	1929	1929	1929	1929	1929	1929	1937	1936	1930

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	13115.3		10653.6			
ANNUAL MEAN	35.9		29.1		35.8	
HIGHEST ANNUAL MEAN					83.3	1982
LOWEST ANNUAL MEAN					7.71	1977
HIGHEST DAILY MEAN	347	May 25	148	Nov 5	820	Jan 2 1997
LOWEST DAILY MEAN	1.1	Apr 27	1.1	Oct 13	0.00	Jan 1 1929
ANNUAL SEVEN-DAY MINIMUM	1.7	Jul 16	1.6	May 6	0.00	Jan 1 1929
MAXIMUM PEAK FLOW			181	Nov 4	863	Jan 2 1997
MAXIMUM PEAK STAGE			4.18	Nov 4	6.69	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	26010		21130		25900	
10 PERCENT EXCEEDS	83		95		98	
50 PERCENT EXCEEDS	24		15		15	
90 PERCENT EXCEEDS	2.3		2.3		0.20	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10338700 DONNER CREEK AT HIGHWAY 89, NEAR TRUCKEE, CA

LOCATION.—Lat 39°19'16", long 120°12'25", in NE ¼ SW ¼ sec.16, T.17 N., R.16 E., Nevada County, Hydrologic Unit 16050102, on right bank, 50 ft upstream from State Highway 89 bridge, 0.5 mi upstream from mouth, and 1.4 mi southwest of Truckee.

DRAINAGE AREA.—29.1 mi^2.

PERIOD OF RECORD.—March 1993 to current year.
WATER TEMPERATURE: August 1993 to September 1994.

GAGE.—Water-stage recorder. Elevation of gage is 5,870 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good. About half the drainage area is regulated at dam at outlet of Donner Lake (station 10338400) 2.0 mi upstream. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, about 2,500 ft^3/s, Jan. 2, 1997, gage height, 12.76 ft, backwater from debris, on the basis of the flood routing the peak discharge between Truckee River near Truckee and Truckee River above Prosser Creek; minimum daily, 2.3 ft^3/s, Aug. 21, 22, 1994.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	20	7.6	37	19	58	173	101	129	14	4.2	6.0
2	49	46	8.1	38	21	54	162	120	103	13	4.3	17
3	48	87	7.6	36	22	50	167	139	83	12	4.6	34
4	47	154	7.4	33	21	47	188	162	76	11	4.6	43
5	47	156	7.9	30	20	46	206	168	70	11	4.3	43
6	37	125	46	28	19	46	201	148	71	10	4.2	43
7	20	103	52	27	e20	47	191	131	66	9.8	4.4	73
8	9.7	86	30	27	20	51	202	133	53	9.2	4.4	131
9	4.3	77	26	27	19	58	197	121	45	8.4	4.2	148
10	3.8	65	28	25	18	67	189	103	40	7.8	4.1	145
11	3.6	55	27	25	18	77	188	82	39	7.4	4.6	137
12	3.3	47	25	24	18	84	195	69	38	7.2	5.3	130
13	3.1	40	26	23	17	94	198	73	39	6.7	5.1	115
14	3.6	35	28	23	17	107	184	83	45	6.2	4.4	95
15	4.5	32	26	22	17	127	152	86	47	6.0	4.3	80
16	4.4	28	24	22	32	143	100	90	46	5.7	4.3	114
17	4.1	25	22	22	87	152	72	102	45	5.5	4.0	129
18	4.0	23	21	22	75	166	54	93	39	5.0	4.0	129
19	3.9	20	20	22	68	187	45	95	32	4.8	4.3	124
20	3.9	19	22	22	62	193	43	105	29	4.6	4.8	109
21	3.7	16	23	21	58	214	43	117	26	4.6	4.4	91
22	3.9	14	21	20	56	232	41	133	24	4.6	4.3	73
23	4.1	13	21	20	52	245	44	135	22	4.5	4.1	59
24	4.0	12	34	21	51	243	51	115	20	4.3	e4.1	48
25	3.8	11	36	20	68	222	62	98	19	3.9	e4.0	41
26	3.7	9.8	32	19	79	198	80	96	18	4.2	e3.9	33
27	3.6	8.8	29	21	74	178	105	115	17	4.7	3.8	29
28	3.6	8.4	27	21	67	166	116	158	16	4.6	3.9	25
29	4.4	8.1	32	20	61	165	95	139	15	4.5	3.9	22
30	9.2	7.7	34	21	---	175	87	146	14	4.4	3.8	20
31	14	---	32	20	---	177	---	142	---	4.4	3.6	---
TOTAL	412.2	1351.8	782.6	759	1176	4069	3831	3598	1326	214.0	132.2	2286.0
MEAN	13.3	45.1	25.2	24.5	40.6	131	128	116	44.2	6.90	4.26	76.2
MAX	50	156	52	38	87	245	206	168	129	14	5.3	148
MIN	3.1	7.7	7.4	19	17	46	41	69	14	3.9	3.6	6.0
AC-FT	818	2680	1550	1510	2330	8070	7600	7140	2630	424	262	4530

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	28.9	27.5	41.1	80.0	70.6	105	144	224	150	42.0	9.69	44.1
MAX	49.0	53.8	201	438	200	251	220	379	398	180	38.1	76.2
(WY)	2000	2003	1997	1997	1996	1995	1993	1995	1995	1995	1995	2004
MIN	4.55	8.35	9.73	8.37	11.6	30.9	39.8	64.8	12.4	4.48	3.24	11.6
(WY)	2003	1994	2000	2001	1994	1994	1994	1994	2001	2001	1994	2000

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	28198.1		19937.8			
ANNUAL MEAN	77.3		54.5		78.0	
HIGHEST ANNUAL MEAN					142	1995
LOWEST ANNUAL MEAN					25.9	1994
HIGHEST DAILY MEAN	725	May 25	245	Mar 23	2380	Jan 2 1997
LOWEST DAILY MEAN	3.1	Oct 13	3.1	Oct 13	2.3	Aug 21 1994
ANNUAL SEVEN-DAY MINIMUM	3.7	Oct 9	3.7	Oct 9	2.5	Aug 19 1994
MAXIMUM PEAK FLOW			268	Mar 22	2500	Jan 2 1997
MAXIMUM PEAK STAGE			5.28	Mar 22	12.76	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	55930		39550		56520	
10 PERCENT EXCEEDS	161		148		194	
50 PERCENT EXCEEDS	47		30		42	
90 PERCENT EXCEEDS	4.9		4.3		6.1	

e Estimated.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10339400 MARTIS CREEK NEAR TRUCKEE, CA

LOCATION.—Lat 39°19'44", long 120°07'00", in NE ¼ NW ¼ sec.17, T.17 N., R.17 E., Nevada County, Hydrologic Unit 16050102, on left bank, 0.2 mi downstream from Martis Creek Lake Dam, 1.8 mi upstream from mouth, and 3.5 mi east of Truckee.

DRAINAGE AREA.—39.9 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1958 to November 1990, June 1993 to current year.

REVISED RECORDS.—WDR CA-79-3: Drainage area.

GAGE.—Water-stage recorder. Elevation of gage is 5,730 ft above NGVD of 1929, from topographic map. Prior to July 10, 1972, at site 1.0 mi downstream at different datum.

REMARKS.—Records good. Flow is completely regulated by Martis Creek Lake since Oct. 7, 1971. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 1,880 ft^3/s, Feb. 1, 1963, gage height, 6.16 ft, site and datum then in use; minimum, 1.3 ft^3/s, July 30, 1961. Maximum discharge since construction of Martis Creek Lake Dam in 1971, 663 ft^3/s, Feb. 28, 1986, gage height, 5.66 ft, maximum gage height, 6.01 ft, Apr. 2, 1974; minimum daily, 0.20 ft^3/s, Nov. 9–14, 1977.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	5.5	7.1	9.4	8.1	25	75	20	7.1	3.9	2.8	3.7
2	4.2	5.3	7.9	7.5	8.9	23	74	19	6.9	4.0	3.0	3.6
3	4.7	5.6	7.4	9.1	9.4	19	73	19	6.5	4.0	2.9	3.5
4	4.8	5.1	6.9	9.3	8.9	18	72	19	6.2	3.8	2.9	3.7
5	4.6	5.9	7.1	9.4	7.7	18	71	19	6.0	3.5	2.8	3.8
6	4.5	5.9	12	9.4	7.8	21	62	18	5.8	3.6	2.9	3.8
7	4.5	6.3	35	9.6	8.8	26	53	16	5.7	3.6	2.9	3.8
8	4.4	6.6	18	11	7.9	32	51	15	5.4	3.4	3.1	3.7
9	4.1	7.9	12	13	8.3	41	49	15	7.4	3.2	3.1	3.6
10	3.8	7.5	11	13	7.6	51	47	14	8.8	3.2	3.0	3.6
11	3.9	6.6	9.9	12	7.3	57	44	16	7.5	3.1	2.9	3.6
12	4.1	6.4	9.2	11	7.3	59	42	16	6.4	3.1	2.9	3.5
13	4.0	6.4	9.2	11	7.2	63	41	14	6.0	3.1	3.1	3.5
14	4.2	6.4	11	10	7.5	67	38	12	5.7	3.0	3.5	3.4
15	4.4	7.1	9.3	10	7.7	70	34	12	5.4	3.0	3.7	3.4
16	4.4	7.0	9.1	9.8	11	71	31	11	5.1	3.0	4.0	3.4
17	4.4	6.9	8.4	9.5	56	71	29	11	5.0	3.1	4.0	3.6
18	4.3	6.7	8.0	9.5	76	71	26	10	4.6	3.1	3.5	3.3
19	4.3	7.0	7.9	9.4	64	71	24	10	4.5	3.0	4.1	3.4
20	4.3	7.0	9.0	9.5	38	70	23	9.9	4.4	3.2	4.4	4.2
21	4.5	7.1	10	8.8	28	70	23	9.8	4.2	3.2	4.3	5.0
22	4.6	6.7	9.7	7.8	24	70	23	9.8	4.1	3.4	4.0	4.7
23	4.7	5.9	9.2	8.1	21	70	22	9.5	4.0	3.3	3.9	4.5
24	4.5	6.5	25	8.9	20	70	21	9.3	3.7	3.3	3.9	4.3
25	4.4	6.9	41	8.7	44	71	21	9.3	3.8	3.2	3.9	4.2
26	4.2	6.5	21	7.6	75	71	21	9.2	3.8	3.1	3.7	4.1
27	4.2	6.3	12	8.5	62	71	23	8.9	3.6	3.0	3.9	4.1
28	4.4	6.5	11	8.8	38	70	24	9.2	3.8	2.9	4.0	4.1
29	4.5	6.6	10	8.4	29	70	23	9.2	3.8	2.9	4.0	4.1
30	4.4	6.9	10	8.3	---	73	20	8.3	3.8	2.8	3.9	4.3
31	5.6	---	10	8.5	---	75	---	7.6	---	2.8	3.8	---
TOTAL	135.9	195.0	384.3	294.8	706.4	1725	1180	396.0	159.0	100.8	108.8	115.5
MEAN	4.38	6.50	12.4	9.51	24.4	55.6	39.3	12.8	5.30	3.25	3.51	3.85
MAX	5.6	7.9	41	13	76	75	75	20	8.8	4.0	4.4	5.0
MIN	3.8	5.1	6.9	7.5	7.2	18	20	7.6	3.6	2.8	2.8	3.3
AC-FT	270	387	762	585	1400	3420	2340	785	315	200	216	229

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1971, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	8.05	12.0	18.5	30.6	28.0	36.5	60.2	59.5	22.6	6.40	4.90	5.51
MAX	16.4	18.0	86.5	116	83.4	78.8	148	202	96.6	18.0	10.8	10.1
(WY)	1963	1971	1965	1970	1963	1967	1969	1967	1967	1967	1967	1967
MIN	3.73	4.81	5.38	4.28	9.60	11.1	15.4	9.80	3.21	1.79	1.81	2.37
(WY)	1962	1962	1962	1962	1964	1961	1961	1961	1960	1961	1964	1960

SUMMARY STATISTICS	WATER YEARS 1959 - 1971	
ANNUAL MEAN	24.4	
HIGHEST ANNUAL MEAN	47.2	1969
LOWEST ANNUAL MEAN	6.89	1961
HIGHEST DAILY MEAN	903	Jan 31 1963
LOWEST DAILY MEAN	1.3	Jul 30 1961
ANNUAL SEVEN-DAY MINIMUM	1.4	Jul 29 1961
MAXIMUM PEAK FLOW	1880	Feb 1 1963
MAXIMUM PEAK STAGE	6.16	Feb 1 1963
ANNUAL RUNOFF (AC-FT)	17650	
10 PERCENT EXCEEDS	57	
50 PERCENT EXCEEDS	11	
90 PERCENT EXCEEDS	2.7	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2004, BY WATER YEAR (WY)

MEAN	8.80	15.8	20.0	28.7	34.7	46.8	51.6	54.0	32.8	13.5	9.53	8.61
MAX	20.8	80.0	95.5	214	149	181	139	219	169	75.0	76.0	40.2
(WY)	1983	1984	1982	1997	1986	1986	1982	1983	1983	1986	1995	1995
MIN	3.09	1.57	1.25	6.42	8.10	8.35	8.52	7.40	3.96	2.67	2.01	2.40
(WY)	1972	1978	1978	1978	1994	1974	1980	1994	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1972 - 2004	
ANNUAL TOTAL	6422.7		5501.5			
ANNUAL MEAN	17.6		15.0		27.1	
HIGHEST ANNUAL MEAN					74.5	1983
LOWEST ANNUAL MEAN					6.90	1977
HIGHEST DAILY MEAN	73	Mar 16	76	Feb 18	626	Mar 1 1986
LOWEST DAILY MEAN	2.4	Aug 20	2.8	Jul 30	0.20	Nov 9 1977
ANNUAL SEVEN-DAY MINIMUM	3.2	Aug 15	2.9	Jul 30	0.21	Nov 9 1977
MAXIMUM PEAK FLOW			84	Mar 30	663	Feb 28 1986
MAXIMUM PEAK STAGE			3.18	Mar 30	6.01	Apr 2 1974
ANNUAL RUNOFF (AC-FT)	12740		10910		19610	
10 PERCENT EXCEEDS	45		48		68	
50 PERCENT EXCEEDS	9.3		7.3		12	
90 PERCENT EXCEEDS	4.1		3.4		4.2	

WATER-QUALITY RECORDS

PERIOD OF RECORD.—Water years 1975 to current year.
CHEMICAL DATA: Water years 1975–95.
WATER TEMPERATURE: Water years 1975 to current year.
SEDIMENT DATA: Water years 1975–95.

PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: October 1974 to current year.

INSTRUMENTATION.—Digital water-temperature recorder since October 1974.

REMARKS.—Records good. Interruption in record was due to recording equipment failure. Water temperature is affected by regulation from Martis Creek Lake Dam (station 10339380). Unpublished chemical, water-temperature, and sediment data prior to October 1974, available at the U.S. Geological Survey office in Carson City, NV.

EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: Maximum recorded, 25.5°C, July 11, 12, 1993; minimum recorded, 0.0°C, Feb. 16, 17, 1982, Jan. 11–13, 16, 1995, Feb. 10, 1999.

EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURE: Maximum recorded, 23.5°C, July 29, 31; minimum recorded, 1.5°C, several days in February.

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	16.5	13.5	9.5	7.5	5.0	4.0	3.0	2.0	3.5	2.5	2.0	2.0
2	17.0	13.5	8.5	7.5	5.0	4.5	3.5	2.5	3.0	2.0	2.5	2.0
3	16.5	13.5	8.0	7.0	5.0	4.5	3.0	2.5	3.5	2.5	2.5	2.0
4	16.0	13.5	8.0	6.5	5.0	4.0	3.0	2.5	3.5	2.5	3.0	2.0
5	16.5	13.5	8.0	6.5	5.5	4.5	3.0	2.5	3.5	2.5	3.0	2.0
6	16.5	13.0	7.5	6.5	5.0	5.0	3.0	2.5	3.5	2.0	3.0	2.0
7	16.5	13.0	7.5	6.5	5.0	4.5	3.0	2.5	3.5	2.5	3.0	2.0
8	16.0	13.0	7.5	6.5	4.5	4.0	3.5	2.5	3.5	2.5	3.5	2.5
9	16.0	13.0	7.0	6.5	4.5	4.0	3.0	2.5	3.5	2.5	3.5	2.5
10	15.0	12.5	7.0	6.5	4.0	3.5	3.0	2.5	3.5	2.5	3.5	3.0
11	15.0	12.0	7.0	6.0	4.0	3.5	3.0	2.5	3.5	2.5	4.0	3.0
12	15.0	12.0	7.0	6.0	4.0	3.0	3.0	2.5	3.5	2.5	4.0	3.5
13	14.0	11.5	6.5	5.5	4.0	3.5	3.0	2.5	3.5	2.5	4.5	4.0
14	14.0	11.0	6.5	5.5	3.5	2.5	3.0	2.5	4.0	2.5	4.5	4.0
15	13.5	11.0	6.5	5.5	3.5	3.0	3.5	2.5	3.5	3.0	4.5	4.0
16	13.5	11.0	6.5	5.5	4.0	3.0	3.5	2.5	3.5	2.5	5.0	4.0
17	13.5	10.5	6.0	5.5	4.0	3.0	3.5	2.5	2.5	2.0	5.0	4.5
18	13.5	10.5	6.5	5.0	4.0	3.5	3.5	2.5	2.0	1.5	5.5	4.5
19	13.5	11.0	6.5	5.0	4.5	3.5	3.5	2.5	2.0	1.5	5.5	4.5
20	13.5	11.0	6.5	5.5	4.5	4.0	3.5	2.5	2.0	2.0	7.5	4.5
21	13.5	11.0	6.0	5.0	4.5	4.0	3.5	2.5	2.5	2.0	9.5	6.5
22	13.5	10.5	5.5	4.5	4.5	4.0	3.5	2.5	2.5	2.0	10.5	7.5
23	13.5	11.0	5.0	4.0	4.5	4.0	3.0	2.5	3.0	2.5	10.0	7.5
24	12.5	10.0	5.0	4.0	4.0	4.0	3.5	2.5	3.0	2.5	10.0	7.5
25	12.5	10.0	5.0	4.0	4.0	3.5	3.0	2.5	2.5	2.5	8.5	7.0
26	12.0	10.0	5.0	4.0	3.5	3.0	3.0	2.5	2.5	1.5	8.5	6.5
27	12.0	9.5	4.5	3.5	3.5	3.0	3.0	2.5	2.0	1.5	7.5	6.0
28	12.0	9.5	4.5	4.0	3.5	3.0	3.5	2.5	2.0	1.5	8.0	6.0
29	12.0	9.5	5.0	4.5	3.0	3.0	3.5	2.5	2.0	1.5	9.0	7.0
30	11.0	9.0	5.0	4.5	3.5	3.0	3.0	2.5	---	---	9.0	7.5
31	9.0	8.5	---	---	3.5	3.0	3.5	2.5	---	---	9.0	7.5
MONTH	17.0	8.5	9.5	3.5	5.5	2.5	3.5	2.0	4.0	1.5	10.5	2.0

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10339400 MARTIS CREEK NEAR TRUCKEE, CA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.5	8.0	13.5	12.0	18.0	15.5	21.0	18.5	22.5	18.5	21.0	15.5
2	8.0	7.5	14.5	12.5	18.5	16.0	21.0	18.0	23.0	18.5	20.0	16.0
3	9.5	7.5	15.0	13.0	18.5	16.0	21.0	18.0	22.5	18.0	19.0	15.0
4	9.0	8.5	15.5	13.5	19.0	16.0	21.5	18.0	22.5	18.0	19.5	15.0
5	10.5	8.5	15.5	14.0	19.0	16.5	21.5	18.5	22.0	17.5	19.5	14.5
6	9.5	9.0	15.5	14.0	19.5	16.5	21.5	18.5	22.0	18.0	19.5	14.5
7	9.5	8.5	15.0	13.5	19.5	17.0	22.0	19.0	22.0	17.5	20.0	14.5
8	10.0	8.0	15.0	13.0	18.0	16.5	22.0	18.5	22.5	17.0	19.5	14.5
9	11.0	8.5	15.0	13.0	17.5	16.0	22.0	19.0	22.0	17.5	19.5	14.0
10	11.0	9.0	14.5	13.5	18.0	16.0	22.5	19.0	22.0	17.0	19.5	14.5
11	11.0	9.0	14.0	13.0	18.0	16.0	22.5	19.0	---	---	19.5	14.5
12	11.5	10.0	14.5	13.0	18.5	16.0	22.5	19.0	---	---	19.5	15.0
13	11.5	10.5	14.5	13.0	18.5	16.0	22.5	19.0	---	---	19.0	14.5
14	11.0	9.5	14.5	13.0	19.0	16.5	22.5	19.0	21.5	16.5	18.5	14.0
15	10.0	9.0	15.0	13.5	19.0	16.5	22.5	19.0	21.0	17.0	18.5	14.0
16	10.0	9.0	15.5	13.5	19.5	16.5	21.5	19.0	20.5	17.0	18.5	14.0
17	9.5	9.0	16.0	14.0	19.5	17.0	22.5	19.0	21.0	16.5	18.5	14.0
18	9.0	8.5	15.5	14.0	19.5	17.0	23.0	19.0	22.5	16.0	16.5	14.0
19	9.0	8.5	15.5	13.5	20.0	17.0	22.5	19.5	21.0	16.5	15.0	13.0
20	9.5	8.5	16.0	14.0	20.0	17.5	23.0	19.0	21.0	17.0	15.0	11.5
21	9.5	8.5	15.5	14.0	20.5	17.5	22.5	19.5	21.0	16.5	15.0	12.0
22	9.5	8.5	16.0	14.0	20.5	18.0	22.5	19.5	19.0	16.5	15.0	11.5
23	10.5	8.5	16.5	14.0	20.5	18.0	23.0	19.5	20.5	16.5	15.5	12.0
24	10.0	9.0	16.5	14.0	20.5	18.0	23.0	19.5	20.5	16.0	15.5	12.0
25	11.5	9.5	16.0	14.5	21.0	18.0	23.0	19.5	20.5	16.0	15.5	12.0
26	12.5	10.5	16.0	14.0	21.0	18.0	23.0	19.5	20.0	16.0	15.5	12.0
27	12.5	11.5	16.5	14.5	21.5	18.5	22.5	19.0	20.0	15.0	15.0	12.0
28	12.5	11.5	16.0	15.0	21.5	18.5	22.5	19.5	20.0	15.0	15.0	12.0
29	12.0	11.0	17.0	15.0	22.0	18.5	23.5	19.5	20.5	15.5	15.0	12.0
30	12.5	11.0	17.0	15.0	21.5	18.5	23.0	18.5	20.5	15.5	14.5	12.0
31	---	---	17.5	15.0	---	---	23.5	19.0	20.5	15.5	---	---
MONTH	12.5	7.5	17.5	12.0	22.0	15.5	23.5	18.0	---	---	21.0	11.5

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10340300 PROSSER CREEK RESERVOIR NEAR TRUCKEE, CA

LOCATION.—Lat 39°22'46", long 120°08'12", in NW ¼ SW ¼ sec.30, T.18 N., R.17 E., Nevada County, Hydrologic Unit 16050102, in control house on Prosser Creek Dam on Prosser Creek, 1.4 mi upstream from mouth, and 4.2 mi northeast of Truckee.

DRAINAGE AREA.—50.3 mi^2.

PERIOD OF RECORD.—January 1963 to current year. January 1963 to September 1987 (monthend elevations and contents only). Prior to October 1976, published as "near Boca."

REVISED RECORDS.—WDR CA-76-3: 1975. WDR CA-79-3: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Bureau of Reclamation).

REMARKS.—Records good. Reservoir is formed by rolled-earth and rockfill dam. Storage began Jan. 30, 1963. Usable capacity, 28,641 acre-ft, between elevations 5,660.6 ft, top of inactive contents, and 5,741.2 ft, crest of spillway. Inactive contents, 1,201 acre-ft, includes 83 acre-ft dead contents below elevation 5,637.0 ft. Figures given represent total contents at 0800 hours. Reservoir is used for flood control, enhancement of fishery, and recreation. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES (at 0800 hours) FOR PERIOD OF RECORD.—Maximum contents, 33,719 acre-ft, May 19, 1996, elevation, 5,746.11 ft; minimum since reservoir first filled, 66 acre-ft, Oct. 10–12, 1983, elevation, 5,635.75 ft.

EXTREMES (at 0800 hours) FOR CURRENT YEAR.—Maximum contents, 17,800 acre-ft, June 8–21, maximum elevation unknown; minimum, 4,960 acre-ft, Sept. 30, elevation, 5,685.90 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by U.S. Bureau of Reclamation, dated August 1962)

5,630	17	5,670	2,230	5,700	8,636	5,730	22,220
5,640	143	5,680	3,791	5,710	12,147	5,740	28,949
5,650	491	5,690	5,901	5,720	16,643	5,750	37,046
5,660	1,148						

RESERVOIR STORAGE, ACRE FEET, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15400	10200	9750	9960	9660	9800	9400	12000	17400	17400	14900	9150
2	15100	10200	9770	9870	9650	9810	9410	12200	17400	17400	14700	8900
3	14800	10200	9780	9830	9670	9790	9400	12400	17400	17400	14500	8660
4	14600	10200	9790	9800	9660	9780	9440	12700	17500	17300	14400	8410
5	14300	10200	9800	9790	9660	9760	9560	12900	17600	17300	14200	8160
6	14000	10200	9840	9770	9660	9750	9720	13200	17700	17200	14000	7920
7	13800	10100	10100	9740	9670	9740	9830	13400	17700	17200	13900	7680
8	13500	10100	10200	9720	9660	9760	9930	13600	e17800	17100	13700	7440
9	13300	10000	10100	9700	9670	9800	10100	13800	e17800	17100	13500	7200
10	13000	9990	10000	9680	9660	9890	10200	13900	e17800	17000	13400	6950
11	12700	9990	9860	9680	9660	9890	10400	14000	e17800	16900	13200	6700
12	12400	9890	9780	9660	9660	9890	10500	14100	e17800	16900	13000	6460
13	12200	9840	9790	9660	9660	9900	10600	14100	e17800	16800	12900	6230
14	11900	9810	e9810	9660	9670	9940	10800	14100	e17800	16700	12700	6000
15	11600	9800	9830	9670	9670	10000	10800	14200	17800	16600	12600	5770
16	11400	9780	9830	9670	9670	10100	10900	14400	17800	16600	12400	5540
17	11200	9760	9840	9670	9780	10000	11000	14500	17800	16500	12200	5390
18	11100	9740	9830	9670	10100	10000	11100	14700	17800	16400	12100	5280
19	10900	9720	9830	9670	10200	10000	11100	14800	17800	16300	11900	5170
20	10700	9720	9840	9690	10200	10100	11200	15000	17800	16200	11800	5060
21	10500	9720	9850	9690	10100	10200	11200	15000	17800	16100	11600	5010
22	10300	9720	9870	9680	10100	10400	11300	15200	17700	16000	11400	5010
23	10200	9720	9880	9670	9990	10500	11200	15300	17700	16000	11300	5010
24	10200	9720	9900	9670	9910	10400	11200	15400	17600	15900	11100	5000
25	10200	9730	9990	9670	9820	10200	11200	15500	17600	15800	10800	5000
26	10200	9730	10000	9660	9810	9920	11300	15700	17600	15700	10600	4990
27	10200	9730	10000	9660	9760	9700	11400	15900	17500	15600	10400	4980
28	10200	9730	10000	9670	9790	9460	11600	16300	17500	15500	10100	4970
29	10200	9740	10100	9670	9800	9230	11600	16700	17500	15300	9890	4970
30	10200	9740	10000	9660	---	9250	11900	17000	17500	15200	9640	4960
31	10200	---	9960	9660	---	9320	---	17200	---	15000	9400	---
MEAN	12000	9890	9900	9710	9790	9880	10600	14500	17700	16500	12300	6270
MAX	15400	10200	10200	9960	10200	10500	11900	17200	17800	17400	14900	9150
MIN	10200	9720	9750	9660	9650	9230	9400	12000	17400	15000	9400	4960
a	5704.71	5703.46	5704.11	5703.22	5703.64	5702.19	5709.48	5721.08	5721.62	5716.68	5702.43	5685.90
b	-5400	-460	+220	-300	+140	-480	+2580	+5300	+300	-2500	-5600	-4440

CAL YR 2003 MEAN 16100 MAX 30600 MIN 7380 b +2210
WTR YR 2004 MEAN 11600 MAX 17800 MIN 4960 b -10640

e Estimated.
a Gage height, in feet, at end of month.
b Change in contents, in acre-feet.

10340500 PROSSER CREEK BELOW PROSSER CREEK DAM, NEAR TRUCKEE, CA

LOCATION.—Lat 39°22'24", long 120°07'50", in NW ¼ NE ¼ sec.31, T.18 N., R.17 E., Nevada County, Hydrologic Unit 16050102, on left bank, 300 ft downstream from Station Creek, 0.5 mi downstream from Prosser Creek Dam, 0.9 mi upstream from mouth, and 4.2 mi northeast of Truckee.

DRAINAGE AREA.—52.9 mi^2.

PERIOD OF RECORD.—October 1902 to June 1903 (gage heights only), October 1942 to December 1950, June 1951 to current year. Prior to October 1976, published as "near Boca." Monthly discharge only for October 1942 to December 1950 published in WSP 1734; daily discharge in files of U.S. Geological Survey. Records for April 1889 to November 1890, published in the 11th and 12th Annual Reports, Part 2, have been found to be unreliable and should not be used.

WATER TEMPERATURE: Water years 1993–98.

REVISED RECORDS.—WDR CA-79-3: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 5,602.31 ft above NGVD of 1929 (levels by U.S. Bureau of Reclamation). See WSP 2127 for history of changes prior to September 1956. October 1956 to May 1976, water-stage recorder at site 0.8 mi downstream at datum 29.69 ft lower.

REMARKS.—Records good. Flow regulated by Prosser Creek Reservoir (station 10340300) since Jan. 30, 1963. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Water years 1943–63, prior to construction of Prosser Creek Dam, maximum discharge, 4,560 ft^3/s, Dec. 23, 1955, gage height, 10.13 ft, present datum, from rating curve extended above 910 ft^3/s, on basis of slope-area measurement of peak flow, maximum gage height, 11.0 ft, from floodmarks, present datum, Nov. 20, 1950; minimum discharge, 0.4 ft^3/s, July 18, 1961, result of work on dam upstream. Maximum discharge since construction of Prosser Creek Dam in 1963, 2,030 ft^3/s, Jan. 3, 1997, gage height, 6.72 ft, from rating curve extended above 880 ft^3/s, on basis of valve setting at Prosser Creek Dam; minimum daily, 0.02 ft^3/s, Jan. 2, 1975, result of temporary closing of Prosser Creek Dam for spillway maintenance.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	129	12	11	48	26	39	149	105	76	50	81	111
2	128	11	11	43	26	39	149	105	100	50	81	112
3	128	11	11	33	26	39	150	105	100	50	80	111
4	128	11	11	33	25	39	151	105	84	50	80	110
5	127	20	11	33	23	39	151	106	72	50	80	110
6	127	34	12	33	23	40	151	106	72	50	80	109
7	126	33	11	33	23	40	152	106	71	49	80	110
8	126	33	52	34	23	40	152	108	71	50	80	110
9	125	33	82	34	23	41	138	109	71	50	80	109
10	125	33	82	34	23	71	128	108	71	49	81	108
11	125	34	64	34	23	94	128	108	71	49	80	108
12	125	33	e30	29	23	95	128	109	72	49	80	106
13	124	28	e20	25	22	95	128	109	73	49	80	105
14	123	21	e20	25	22	96	128	86	73	49	80	104
15	103	20	e20	25	22	120	107	58	73	49	80	104
16	94	20	e20	25	23	157	81	59	73	49	79	83
17	93	21	e20	25	23	181	78	59	74	49	79	57
18	93	21	20	25	24	181	78	59	74	49	79	52
19	93	17	20	25	57	181	78	59	74	49	79	51
20	92	11	20	25	74	182	78	59	74	48	79	41
21	79	11	21	25	73	183	92	59	74	48	78	12
22	58	11	20	25	73	216	102	60	73	48	77	6.5
23	38	11	20	25	73	285	102	60	73	48	91	6.4
24	17	11	21	26	73	315	102	44	73	48	111	6.5
25	12	11	21	26	74	318	103	21	64	48	110	6.9
26	11	11	20	26	74	271	103	13	50	48	110	6.7
27	11	11	21	26	55	237	103	14	50	60	111	6.0
28	11	11	21	26	40	236	102	14	50	67	112	7.9
29	11	11	31	26	39	185	103	14	50	67	111	8.2
30	11	11	48	26	---	148	104	14	50	76	111	8.5
31	11	---	48	26	---	149	---	31	---	81	110	---
TOTAL	2604	567	840	904	1128	4352	3499	2172	2126	1626	2730	1986.6
MEAN	84.0	18.9	27.1	29.2	38.9	140	117	70.1	70.9	52.5	88.1	66.2
MAX	129	34	82	48	74	318	152	109	100	81	112	112
MIN	11	11	11	25	22	39	78	13	50	48	77	6.0
AC-FT	5170	1120	1670	1790	2240	8630	6940	4310	4220	3230	5410	3940

e Estimated.

10340500 PROSSER CREEK BELOW PROSSER CREEK DAM, NEAR TRUCKEE, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1962, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	13.1	34.5	47.9	36.1	45.1	75.4	203	261	157	48.5	12.1	8.45
MAX	22.4	268	321	155	89.7	175	406	669	395	176	44.5	19.6
(WY)	1946	1951	1956	1956	1943	1943	1952	1952	1952	1952	1952	1952
MIN	6.63	8.62	9.81	10.0	11.0	20.0	94.5	106	55.9	10.0	3.79	3.90
(WY)	1961	1960	1960	1948	1948	1948	1955	1959	1947	1961	1961	1947

SUMMARY STATISTICS	WATER YEARS 1943 - 1962	
ANNUAL MEAN	76.8	
HIGHEST ANNUAL MEAN	162	1952
LOWEST ANNUAL MEAN	38.1	1961
HIGHEST DAILY MEAN	3490	Dec 23 1955
LOWEST DAILY MEAN	2.7	Aug 24 1961
ANNUAL SEVEN-DAY MINIMUM	3.1	Aug 19 1947
MAXIMUM PEAK FLOW	4560	Dec 23 1955
MAXIMUM PEAK STAGE	11.00	Nov 20 1950
ANNUAL RUNOFF (AC-FT)	55620	
10 PERCENT EXCEEDS	212	
50 PERCENT EXCEEDS	27	
90 PERCENT EXCEEDS	7.0	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)

MEAN	89.5	38.7	53.9	75.2	71.8	116	123	200	108	59.5	50.3	106
MAX	282	214	361	564	397	371	372	545	494	167	151	477
(WY)	1983	1982	1965	1997	1986	1986	1969	1983	1983	1985	1995	1983
MIN	5.41	6.84	5.32	7.96	17.5	27.1	21.7	17.2	8.39	6.33	2.55	1.96
(WY)	1989	1989	1989	1989	1991	1977	1977	1985	1966	1966	1994	1992

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL TOTAL	25371		24534.6			
ANNUAL MEAN	69.5		67.0		91.1	
HIGHEST ANNUAL MEAN					214	1983
LOWEST ANNUAL MEAN					24.4	1977
HIGHEST DAILY MEAN	216	Mar 28	318	Mar 25	1790	Feb 21 1986
LOWEST DAILY MEAN	11	Oct 26	6.0	Sep 27	0.02	Jan 2 1975
ANNUAL SEVEN-DAY MINIMUM	11	Nov 20	6.7	Sep 22	0.30	Apr 13 1977
MAXIMUM PEAK FLOW			340	Mar 25	2030	Jan 3 1997
MAXIMUM PEAK STAGE			4.25	Mar 25	6.72	Jan 3 1997
ANNUAL RUNOFF (AC-FT)	50320		48660		65970	
10 PERCENT EXCEEDS	128		126		203	
50 PERCENT EXCEEDS	57		58		50	
90 PERCENT EXCEEDS	20		12		9.5	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10342900 INDEPENDENCE LAKE NEAR TRUCKEE, CA

LOCATION.—Lat 39°27'07", long 120°17'23", in NW ¼ SW ¼ sec.35, T.19 N., R.15 E., Sierra County, Hydrologic Unit 16050102, on right bank of outlet channel, 60 ft upstream from outlet gates, and 10.5 mi northwest of Truckee.

DRAINAGE AREA.—7.51 mi^2.

PERIOD OF RECORD.—November 1988 to current year.

GAGE.—Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Sierra Pacific Power Co.).

REMARKS.—Lake levels regulated by an earthfill dam at the outlet constructed in 1939. Usable capacity, 17,300 acre-ft, between elevations 6,921.0 ft, invert of outlet gate and 6,949.0 ft, normal maximum storage level. Water is used for irrigation and power development downstream. Records, including extremes, represent usable contents. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum contents, 18,300 acre-ft, June 5, 2002, elevation, 6,950.38 ft; minimum, 4,750 acre-ft, Nov. 10, 11, 1988, elevation, 6,929.39 ft.

EXTREMES FOR CURRENT YEAR.—Maximum contents, 17,600 acre-ft, July 3–13, maximum elevation, 6,949.41 ft, July 12; minimum, 14,000 acre-ft, Dec. 16–23, minimum elevation, 6944.15 ft, Dec. 19.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by Sierra Pacific Power Co., dated Nov. 5, 1941)

6,921	0	6,930	5,110	6,940	11,240	6,950	18,000
6,925	2,220	6,935	8,110	6,945	14,530		

RESERVOIR STORAGE, ACRE FEET, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16700	15600	14300	14500	14600	15300	16400	16600	17300	17500	17300	16900
2	16700	15600	14300	14500	14600	15300	16400	16700	17300	17500	17300	16900
3	16700	15500	14200	14500	14600	15300	16500	16700	17300	17600	17300	16900
4	16600	15500	14100	14500	14600	15300	16500	16900	17300	17600	17200	16800
5	16600	15500	14200	14500	14600	15300	16600	17000	17200	17600	17200	16800
6	16500	15400	14300	14500	14600	15300	16700	17100	17200	17600	17200	16800
7	16500	15400	14300	14500	14600	15300	16800	17100	17200	17600	17200	16800
8	16400	15400	14200	14500	14600	15300	16900	17200	17100	17600	17200	16800
9	16400	15400	14100	14500	14700	15300	16900	17200	17100	17600	17200	16800
10	16300	15400	14200	14500	14600	15300	17000	17300	17200	17600	17200	16800
11	16300	15400	14100	14500	14600	15300	17100	17300	17200	17600	17200	16800
12	16300	15300	14100	14500	14600	15400	17200	17300	17200	17600	17100	16700
13	16200	15300	14100	14500	14600	15400	17200	17300	17300	17600	17100	16700
14	16200	15200	14100	14500	14600	15400	17300	17300	17300	17500	17100	16700
15	16100	15200	14100	14500	14600	15400	17300	17300	17400	17500	17100	16700
16	16100	15100	14000	14500	14800	15500	17300	17300	17400	17500	17100	16600
17	16100	15000	14000	14500	14800	15500	17200	17300	17500	17500	17100	16600
18	16000	15000	14000	14500	14900	15600	17200	17200	17500	17500	17100	16500
19	16000	14900	14000	14500	14900	15600	17200	17300	17500	17400	17100	16500
20	15900	14900	14000	14500	14900	15700	17100	17300	17500	17400	17100	16400
21	15900	14800	14000	14500	15000	15700	17000	17300	17500	17400	17100	16400
22	15900	14800	14000	14500	15000	15800	16900	17300	17500	17400	17000	16400
23	15900	14700	14000	14500	15000	15900	16700	17300	17500	17400	17000	16300
24	15800	14600	14200	14500	15000	16000	16600	17200	17500	17400	17000	16300
25	15800	14600	14200	14500	15100	16100	16500	17200	17500	17400	17000	16200
26	15800	14500	14200	14500	15200	16100	16500	17200	17500	17400	17000	16200
27	15700	14500	14200	14600	15200	16200	16600	17300	17500	17400	17000	16100
28	15700	14400	14200	14600	15200	16200	16600	17400	17500	17400	17000	16100
29	15600	14400	14300	14600	15200	16200	16600	17400	17500	17300	16900	16000
30	15600	14400	14300	14600	---	16200	16600	17400	17500	17300	16900	16000
31	15600	---	14300	14600	---	16300	---	17300	---	17300	16900	---
MAX	16700	15600	14300	14600	15200	16300	17300	17400	17500	17600	17300	16900
MIN	15600	14400	14000	14500	14600	15300	16400	16600	17100	17300	16900	16000
a	6946.60	6944.75	6944.72	6945.04	6946.02	6947.60	6947.99	6949.07	6949.28	6949.02	6948.46	6947.12
b	-1200	-1200	-100	+300	+600	+1100	+300	+700	+200	-200	-400	-900

CAL YR 2003 MAX 17800 MIN 14000 b -300
WTR YR 2004 MAX 17600 MIN 14000 b -800

a Elevation, in feet, at end of month.
b Change in contents, in acre-feet.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10343000 INDEPENDENCE CREEK NEAR TRUCKEE, CA

LOCATION.—Lat 39°27'24", long 120°17'10", in SW ¼ NW ¼ sec.35, T.19 N., R.15 E., Sierra County, Hydrologic Unit 16050102, on left bank, 0.4 mi downstream from Independence Lake outlet, and 10.5 mi northwest of Truckee.

DRAINAGE AREA.—8.10 mi^2.

PERIOD OF RECORD.—November 1902 to September 1907, November 1909 to June 1910, August 1968 to current year.

REVISED RECORDS.—WDR CA-79-3: Drainage area.

GAGE.—Water-stage recorder. Elevation of gage is 6,920 ft above NGVD of 1929, from topographic map. July 1, 1904, to June 30, 1910, nonrecording gage 75 ft downstream from Independence Lake outlet; prior to July 1, 1904, nonrecording gage 600 ft downstream at approximately same datum.

REMARKS.—Records good. Flow regulated by Independence Lake (station 10342900) since 1939. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 325 ft^3/s, Jan. 3, 1997, gage height, 6.17 ft; maximum gage height, 8.16 ft, Apr. 16, 1993, backwater from snow and ice; no flow Sept. 28 to Nov. 10, 1905, June 1, 1906.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	16	30	e5.0	4.7	4.8	5.5	42	53	1.1	2.2	2.3
2	16	16	30	5.0	4.7	4.8	5.4	42	53	0.99	2.2	2.1
3	16	16	30	4.7	4.7	4.8	5.7	42	53	0.94	2.2	2.1
4	16	15	30	4.7	4.7	4.7	5.9	36	53	0.87	2.1	2.0
5	16	15	30	4.7	4.7	4.7	6.0	30	53	0.85	2.1	1.9
6	24	15	30	4.7	4.7	4.9	5.9	34	53	0.77	2.0	2.0
7	30	15	30	4.7	4.7	4.9	5.7	34	53	0.74	2.1	2.0
8	19	15	30	4.7	4.7	4.9	5.9	33	45	0.78	2.0	2.1
9	17	15	30	4.7	4.7	4.9	5.9	34	25	0.89	2.1	2.1
10	17	15	30	4.7	4.7	4.9	6.1	34	12	0.96	2.0	2.2
11	17	16	30	4.7	4.7	5.0	6.0	38	7.7	1.0	2.0	2.1
12	17	24	30	4.7	4.7	4.9	5.9	41	3.8	1.0	2.2	2.0
13	17	31	30	4.8	4.7	5.0	11	41	3.0	1.1	2.1	2.0
14	16	31	30	4.7	4.7	5.1	17	46	2.8	5.6	2.2	2.0
15	16	31	30	4.8	4.6	5.2	19	51	2.8	10	2.3	11
16	16	31	20	4.7	4.9	5.2	36	51	2.8	8.0	2.3	19
17	16	31	14	4.7	4.9	5.2	42	51	2.6	6.2	2.3	18
18	16	31	9.9	4.8	4.9	5.3	41	47	4.5	6.2	2.3	21
19	16	31	3.6	4.7	4.9	5.3	41	42	6.0	3.5	2.3	21
20	16	31	4.9	4.8	4.8	5.5	54	42	6.0	4.3	2.3	21
21	16	30	4.9	4.7	4.9	5.6	78	42	11	5.8	2.4	21
22	16	30	4.9	4.7	4.9	5.7	83	42	14	4.6	2.5	21
23	16	31	4.9	4.7	4.8	5.9	83	41	14	2.4	2.5	21
24	16	31	4.9	4.5	4.6	5.8	82	42	10	2.1	2.4	21
25	16	31	4.9	4.5	4.9	5.5	82	42	7.2	2.0	2.3	21
26	16	31	4.9	4.6	4.7	5.2	64	42	7.2	2.0	2.3	21
27	16	31	4.9	4.7	4.6	5.0	43	42	7.3	1.9	2.2	21
28	16	30	4.9	4.6	4.7	5.0	43	48	7.4	1.9	2.1	21
29	16	30	5.3	4.6	4.7	5.1	42	53	7.5	2.0	2.1	21
30	16	30	4.9	4.7	---	5.4	42	53	4.3	2.1	2.1	29
31	16	---	4.9	4.6	---	5.7	---	53	---	2.2	2.3	---
TOTAL	526	746	556.7	145.9	137.6	159.9	972.9	1311	584.9	84.79	68.5	357.9
MEAN	17.0	24.9	18.0	4.71	4.74	5.16	32.4	42.3	19.5	2.74	2.21	11.9
MAX	30	31	30	5.0	4.9	5.9	83	53	53	10	2.5	29
MIN	16	15	3.6	4.5	4.6	4.7	5.4	30	2.6	0.74	2.0	1.9
AC-FT	1040	1480	1100	289	273	317	1930	2600	1160	168	136	710

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2004, BY WATER YEAR (WY)

MEAN	15.1	20.0	12.6	12.4	11.2	14.8	21.2	43.5	54.1	24.7	18.2	20.6
MAX	45.8	97.6	58.2	161	58.0	94.5	72.9	112	188	89.2	114	133
(WY)	1976	1984	1982	1997	1986	1996	1986	1982	1983	1983	1988	1973
MIN	0.47	1.36	0.70	1.04	1.07	1.45	1.50	1.51	2.09	1.78	2.04	0.58
(WY)	1980	1989	1993	1993	1974	1977	1977	1977	1977	1977	2003	1979

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1968 - 2004	
ANNUAL TOTAL	7554.99		5652.09			
ANNUAL MEAN	20.7		15.4		22.4	
HIGHEST ANNUAL MEAN					46.7	1983
LOWEST ANNUAL MEAN					7.07	2001
HIGHEST DAILY MEAN	206	May 31	83	Apr 22	295	Jan 4 1997
LOWEST DAILY MEAN	0.82	Sep 6	0.74	Jul 7	0.02	Sep 26 1973
ANNUAL SEVEN-DAY MINIMUM	1.6	Jan 3	0.83	Jul 3	0.02	Sep 26 1973
MAXIMUM PEAK FLOW			85	Apr 21	325	Jan 3 1997
MAXIMUM PEAK STAGE			3.77	Apr 21	8.16	Apr 16 1993
ANNUAL RUNOFF (AC-FT)	14990		11210		16190	
10 PERCENT EXCEEDS	52		42		60	
50 PERCENT EXCEEDS	6.4		5.7		11	
90 PERCENT EXCEEDS	2.0		2.1		2.1	

e Estimated.

10343500 SAGEHEN CREEK NEAR TRUCKEE, CA
(Hydrologic Benchmark Station)

LOCATION.—Lat 39°25'54", long 120°14'13", in NE ¼ NE ¼ sec.7, T.18 N., R.16 E., Nevada County, Hydrologic Unit 16050102, on left bank, 2.2 mi upstream from bridge on State Highway 89, and 7.5 mi north of Truckee.

DRAINAGE AREA.—10.5 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1953 to current year.
PRECIPITATION DATA: Water years 1991–96.

REVISED RECORDS.—WDR CA-79-3: Drainage area.

GAGE.—Water-stage recorder and concrete control. Elevation of gage is 6,320 ft above NGVD of 1929, from topographic map. Prior to Dec. 2, 1953, nonrecording gage at site 100 ft upstream at different datum.

REMARKS.—Records good. No storage or diversion upstream from station. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 1,230 ft^3/s, Jan. 1, 1997, gage height, 5.20 ft, from poor high-water mark on gage house, rating curve extended above 160 ft^3/s, on basis of slope-area measurement at gage height 4.28 ft; minimum daily, 1.0 ft^3/s, Sept. 13, 1960.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 50 ft^3/s, or maximum:

Date	Discharge Time	Gage height (ft^3/s)	(ft)
Apr. 5	1715	35	2.44

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	2.0	2.5	e3.0	2.9	3.6	19	21	8.5	3.4	1.7	1.5
2	1.8	2.0	2.7	e3.0	2.9	3.6	18	22	8.2	3.3	1.7	1.5
3	2.0	2.0	2.5	3.0	2.9	3.5	21	23	7.8	3.1	1.7	1.6
4	1.9	2.1	2.4	e3.0	2.9	3.5	25	24	7.3	2.9	1.7	1.6
5	1.8	2.1	3.7	3.0	e3.0	3.5	27	24	6.9	2.7	1.7	1.6
6	1.8	2.1	14	2.9	2.9	3.9	27	23	6.8	2.6	1.7	1.6
7	1.8	2.2	11	2.9	2.9	4.4	26	21	6.6	2.6	1.7	1.5
8	1.8	2.3	4.3	3.4	e3.0	5.1	27	19	6.3	2.5	1.6	1.5
9	1.8	2.5	3.4	3.6	2.9	6.0	28	18	6.5	2.5	1.6	1.5
10	1.7	2.3	3.2	3.5	2.9	6.8	27	18	6.2	2.4	1.6	1.5
11	1.8	2.2	3.0	3.5	2.8	7.1	27	19	5.8	2.4	1.6	1.5
12	1.8	2.2	2.9	3.5	2.8	7.5	28	16	5.4	2.3	1.6	1.5
13	1.8	2.3	3.0	3.5	2.8	8.0	28	15	5.1	2.3	1.6	1.5
14	1.8	2.3	3.1	3.4	2.7	9.0	25	14	5.0	2.2	1.6	1.6
15	1.8	2.4	2.9	3.3	2.7	10	23	13	4.8	2.2	1.6	1.6
16	1.8	2.3	2.8	3.2	7.8	11	20	13	4.8	2.2	1.7	1.6
17	1.8	2.3	2.7	3.1	14	12	18	12	4.6	2.1	1.6	1.6
18	1.8	2.3	2.7	3.1	8.3	13	17	11	4.5	2.1	1.6	1.6
19	1.8	2.4	2.7	3.1	6.1	15	15	11	4.3	2.1	1.6	1.6
20	1.8	2.5	3.3	3.1	5.2	17	17	11	4.1	2.1	1.6	1.9
21	1.8	2.4	3.3	3.0	4.7	19	16	10	4.0	2.0	1.6	1.8
22	1.8	2.2	3.0	e3.0	4.4	21	16	10	3.8	1.9	1.6	1.8
23	1.8	2.1	3.0	e3.0	4.2	22	16	9.8	3.7	1.8	1.6	1.7
24	1.8	2.1	e3.8	3.0	4.1	21	18	9.2	3.5	1.8	1.6	1.7
25	1.8	2.1	e3.7	3.0	4.5	18	19	8.9	3.4	1.8	1.6	1.6
26	1.8	2.1	3.6	e3.0	4.5	15	22	8.6	3.3	1.8	1.6	1.6
27	1.8	2.1	3.5	3.0	4.0	13	25	9.1	3.3	1.8	1.6	1.6
28	1.8	2.2	3.4	2.9	3.8	14	25	13	3.3	1.8	1.6	1.6
29	1.8	2.4	3.3	2.9	3.7	17	22	10	3.3	1.7	1.6	1.7
30	1.9	2.5	e3.3	2.9	---	21	21	9.2	3.3	1.7	1.6	1.7
31	2.0	---	3.0	2.9	---	22	---	8.8	---	1.7	1.5	---
TOTAL	56.2	67.0	115.7	96.7	122.3	356.5	663	454.6	154.4	69.8	50.3	48.2
MEAN	1.81	2.23	3.73	3.12	4.22	11.5	22.1	14.7	5.15	2.25	1.62	1.61
MAX	2.0	2.5	14	3.6	14	22	28	24	8.5	3.4	1.7	1.9
MIN	1.7	2.0	2.4	2.9	2.7	3.5	15	8.6	3.3	1.7	1.5	1.5
AC-FT	111	133	229	192	243	707	1320	902	306	138	100	96

e Estimated.

10343500 SAGEHEN CREEK NEAR TRUCKEE, CA—Continued
(Hydrologic Benchmark Station)

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3.38	4.98	6.97	8.36	8.00	10.7	24.3	42.7	24.7	7.04	3.08	2.69
MAX	11.9	27.7	44.0	87.3	51.0	50.1	51.6	117	142	37.4	11.8	7.56
(WY)	1963	1984	1965	1997	1963	1986	1986	1969	1983	1983	1983	1983
MIN	1.46	1.83	2.03	1.81	2.54	2.74	6.13	3.45	1.82	1.36	1.20	1.11
(WY)	1995	1993	1977	1962	1994	1962	1975	1988	1992	1994	1994	1960

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1954 - 2004	
ANNUAL TOTAL	3171.8		2254.7			
ANNUAL MEAN	8.69		6.16		12.2	
HIGHEST ANNUAL MEAN					30.0	1983
LOWEST ANNUAL MEAN					2.65	1977
HIGHEST DAILY MEAN	54	May 24	28	Apr 9	800	Jan 1 1997
LOWEST DAILY MEAN	1.7	Sep 23	1.5	Aug 31	1.0	Sep 13 1960
ANNUAL SEVEN-DAY MINIMUM	1.7	Sep 23	1.5	Sep 7	1.1	Sep 9 1960
MAXIMUM PEAK FLOW			35	Apr 5	1230	Jan 1 1997
MAXIMUM PEAK STAGE			2.44	Apr 5	5.20	Jan 1 1997
ANNUAL RUNOFF (AC-FT)	6290		4470		8870	
10 PERCENT EXCEEDS	21		18		32	
50 PERCENT EXCEEDS	3.7		3.0		4.4	
90 PERCENT EXCEEDS	1.8		1.6		1.9	

10343500 SAGEHEN CREEK NEAR TRUCKEE, CA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—
CHEMICAL DATA: Water years 1968–72, 1986–96.
SPECIFIC CONDUCTANCE: November 2000 to current year.
WATER TEMPERATURE: Water years 1970–1974, November 2000 to current year.
SEDIMENT DATA: Water years 1968–75, 1981–96.

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: November 2000 to current year.
WATER TEMPERATURE: October 1970 to September 1974, November 2000 to current year.

INSTRUMENTATION.—Water-temperature and specific conductance recorder since November 2000.

REMARKS.—Specific conductance records rated fair. Temperature records are excellent. Interruptions in record due to malfunction of the recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 212 microsiemens, Aug. 6, 2002; minimum recorded, 42 microsiemens, May 28, 2003.
WATER TEMPERATURE: Maximum recorded, 20.5°C, June 28, 30, 1973; minimum recorded, –0.5°C, many days November 2000 through March 2001.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 154 microsiemens, Oct. 20; minimum recorded, 50 microsiemens, May 4, 5.
WATER TEMPERATURE: Maximum recorded, 19.5°

10343500 SAGEHEN CREEK NEAR TRUCKEE, CA—Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS/CM AT 25 DEG. C, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	63	60	57	52	73	69	114	109	141	137	147	143
2	65	61	56	52	74	70	115	109	141	138	147	143
3	64	58	56	51	74	72	117	111	141	138	146	142
4	61	56	55	50	75	73	120	114	141	138	145	142
5	60	53	54	50	76	73	123	116	141	138	145	139
6	58	55	56	52	77	74	124	118	141	138	145	142
7	59	54	56	52	78	75	125	120	141	139	145	142
8	58	53	57	54	79	76	126	121	143	139	145	142
9	57	54	58	55	79	77	126	122	143	141	145	141
10	57	54	59	57	81	78	127	122	143	141	147	141
11	57	53	60	57	83	80	128	123	144	141	147	140
12	56	53	61	59	86	81	130	124	144	133	146	141
13	55	52	63	60	88	83	130	125	145	140	145	141
14	56	53	63	60	89	85	131	127	145	143	144	140
15	57	54	64	61	95	86	132	128	145	142	143	138
16	59	56	65	62	96	92	133	127	145	141	142	139
17	59	58	65	62	98	93	134	129	145	142	142	139
18	61	59	66	63	99	94	135	130	145	142	143	138
19	61	60	67	65	100	95	136	131	145	143	142	137
20	62	59	67	65	102	96	136	131	146	143	---	---
21	61	59	68	66	103	97	137	130	146	139	---	---
22	62	60	68	66	106	99	137	134	143	139	---	---
23	62	59	69	66	107	101	137	134	145	138	---	---
24	61	58	70	67	109	102	138	135	144	142	138	136
25	60	55	71	69	109	104	141	136	146	140	138	136
26	60	53	72	70	111	105	140	136	146	142	138	136
27	57	51	71	66	111	107	139	136	145	143	138	135
28	55	51	67	64	112	108	140	137	146	142	138	135
29	56	52	69	66	113	108	140	137	146	143	138	135
30	58	53	71	67	114	109	140	137	147	143	---	---
31	---	---	73	68	---	---	140	137	147	143	---	---
MONTH	65	51	73	50	114	69	141	109	147	133	---	---

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	11.5	7.0	2.5	0.5	4.0	2.5	1.0	0.0	2.5	0.5	2.5	1.5
2	9.5	5.0	2.5	0.0	4.0	2.5	0.0	0.0	2.0	0.0	3.0	2.0
3	10.0	5.0	4.0	1.0	3.5	2.0	0.0	0.0	2.5	1.0	2.5	0.5
4	11.0	6.5	2.5	0.0	4.0	1.0	0.0	0.0	2.0	0.0	3.5	1.0
5	10.0	5.5	4.5	2.0	4.5	3.5	0.5	0.0	1.0	0.0	3.5	1.0
6	10.0	5.5	3.5	0.0	3.5	1.5	2.0	0.5	2.0	0.0	4.0	1.5
7	10.0	5.5	4.5	2.5	2.0	1.0	2.0	1.5	1.5	0.0	4.0	1.0
8	10.0	5.0	4.5	3.0	1.5	0.0	2.5	1.5	1.0	0.0	4.0	1.0
9	10.0	6.5	3.0	2.0	2.0	0.0	2.5	1.5	1.5	0.0	4.5	1.5
10	7.5	4.0	3.0	1.0	1.0	0.0	2.5	1.5	1.5	0.0	4.0	1.5
11	7.5	2.5	2.5	0.0	2.0	0.5	3.0	1.5	1.5	0.0	4.0	1.0
12	8.0	3.5	3.0	0.5	2.5	0.0	3.0	1.5	1.5	0.0	4.0	1.0
13	7.0	2.5	4.5	1.5	3.5	2.0	2.5	1.0	2.5	0.0	4.5	1.0
14	7.5	3.0	4.0	2.0	2.0	0.0	2.0	0.5	2.5	1.0	4.5	1.5
15	7.0	2.5	3.5	2.0	0.5	0.0	2.5	1.5	3.5	1.5	4.5	1.5
16	8.0	3.0	3.0	1.0	1.5	0.0	2.5	0.5	2.5	1.0	4.0	1.0
17	8.0	3.5	4.5	2.5	1.5	0.0	2.0	0.5	1.0	0.5	4.5	1.0
18	8.0	3.5	3.5	1.0	2.0	0.0	3.0	1.5	2.0	0.0	4.5	1.5
19	8.5	4.5	4.0	2.0	2.0	1.0	2.0	0.5	2.5	0.5	4.0	1.5
20	9.0	5.0	4.5	2.5	3.0	2.0	2.5	1.5	3.0	0.5	4.5	1.0
21	8.5	4.0	2.5	0.5	2.5	1.5	1.5	0.0	3.0	1.5	4.5	1.5
22	8.0	4.0	0.5	0.0	3.0	1.5	0.5	0.0	3.5	2.0	4.5	1.5
23	8.0	5.0	0.5	0.0	3.0	1.0	2.0	0.0	4.0	2.0	4.5	1.0
24	6.5	2.5	1.5	0.5	2.0	0.0	2.5	1.5	2.5	1.5	4.5	1.0
25	6.5	3.0	1.5	0.0	2.0	0.5	1.5	0.0	2.0	0.0	3.0	0.0
26	6.5	2.5	1.5	0.0	1.0	0.0	2.0	0.0	1.0	0.0	3.5	0.5
27	6.5	2.5	2.0	0.0	0.0	0.0	1.5	1.0	2.0	0.5	5.0	1.0
28	7.5	3.5	3.5	2.0	0.0	0.0	2.5	0.5	2.5	1.0	5.0	1.0
29	7.5	5.0	4.5	3.0	0.0	0.0	2.5	0.5	2.5	0.0	5.5	1.0
30	5.5	2.5	4.0	3.0	1.0	0.0	3.0	1.5	---	---	5.0	1.5
31	2.5	1.0	---	---	2.0	1.0	1.5	0.5	---	---	5.0	1.5
MONTH	11.5	1.0	4.5	0.0	4.5	0.0	3.0	0.0	4.0	0.0	5.5	0.0

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	4.0	1.0	10.5	3.0	15.5	6.0	13.5	8.0	17.5	8.0	16.0	9.5
2	5.5	1.0	11.5	3.5	16.0	6.0	14.0	7.5	17.0	9.0	14.5	8.5
3	5.5	1.5	11.5	3.5	13.0	6.5	17.5	8.0	16.5	7.0	12.0	6.0
4	6.0	1.5	11.5	4.0	16.0	6.0	18.0	8.0	16.5	7.5	13.0	5.5
5	6.5	1.5	12.0	4.5	15.0	6.0	19.0	8.5	16.0	7.5	13.5	6.0
6	6.0	1.5	11.0	5.0	16.5	6.5	19.0	9.5	16.5	8.5	14.0	7.0
7	6.5	1.5	11.0	4.5	15.0	7.5	19.0	10.5	16.5	6.5	13.5	6.5
8	6.5	1.5	11.5	4.5	9.0	5.0	18.5	8.5	17.0	8.0	13.5	6.0
9	7.0	1.5	11.5	4.0	9.5	5.0	17.5	9.0	17.5	9.0	13.0	6.0
10	7.0	1.5	9.0	4.0	14.0	6.0	17.5	9.5	17.5	8.5	13.0	6.0
11	7.5	1.5	7.0	3.0	14.5	5.0	18.0	8.5	17.5	9.0	13.0	6.0
12	7.5	2.0	11.0	2.5	15.5	6.0	18.5	8.5	16.5	9.5	13.5	8.5
13	7.5	2.5	12.0	4.0	16.5	6.5	19.0	9.5	15.0	10.5	12.5	6.0
14	7.0	2.0	11.5	4.0	17.0	7.5	18.5	9.0	17.0	9.5	12.0	5.0
15	6.5	2.0	12.5	4.0	17.0	7.5	18.5	8.5	15.0	10.5	12.0	5.0
16	5.0	2.5	13.0	4.0	15.5	7.5	17.5	8.5	14.5	9.5	12.5	6.0
17	7.0	2.0	12.0	4.5	17.0	8.0	18.0	10.0	16.0	7.5	12.5	6.0
18	4.0	2.0	11.5	4.0	17.5	7.5	19.0	10.5	15.5	8.5	10.0	7.0
19	5.0	2.0	12.0	3.5	17.0	7.5	19.0	10.0	15.0	9.0	8.0	5.0
20	7.0	2.5	12.0	4.0	17.0	7.0	19.0	9.5	17.0	9.0	7.0	4.0
21	7.5	2.5	8.0	4.0	17.5	8.0	19.0	9.5	16.5	8.5	9.0	3.0
22	8.0	1.5	12.5	4.0	18.5	8.5	19.0	9.5	12.0	8.5	10.0	4.0
23	8.5	1.5	12.5	4.0	18.5	8.5	17.5	10.0	14.5	8.5	11.0	5.0
24	9.5	2.0	11.0	4.0	17.0	8.5	19.5	10.0	15.0	8.0	11.0	4.5
25	10.0	2.5	11.0	4.5	17.5	7.5	19.0	10.0	15.0	9.0	11.0	5.0
26	10.0	2.5	12.5	4.5	17.5	7.0	19.0	9.5	13.0	7.5	11.0	5.0
27	10.5	3.0	14.0	6.5	15.5	8.0	18.5	8.5	13.5	6.0	10.0	4.0
28	9.0	3.5	10.5	6.5	15.5	9.0	19.0	9.5	14.5	6.5	10.5	5.0
29	9.0	2.5	13.5	5.5	14.5	8.0	17.5	8.5	14.5	7.5	9.5	5.0
30	10.0	2.5	14.5	5.0	13.0	8.5	17.0	7.5	15.0	7.5	8.5	5.0
31	---	---	15.0	5.5	---	---	17.5	8.0	15.0	7.0	---	---
MONTH	10.5	1.0	15.0	2.5	18.5	5.0	19.5	7.5	17.5	6.0	16.0	3.0

CROSS SECTION ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Depth at sample location, feet (81903)	Sampling depth, feet (00003)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Location in X-sect. looking dwnstrm ft from l bank (00009)
OCT						
21...*	1141	.72	.60	130	5.5	3.00
21...*	1143	.68	.60	130	5.5	4.50
21...*	1145	.66	.60	130	5.5	6.00
21...*	1147	.83	.60	130	5.5	7.00
21...*	1149	.97	.60	130	5.5	8.00
21...*	1151	1.08	.60	130	6.0	9.00
21...*	1153	1.12	.60	130	6.0	10.0
21...*	1155	1.22	.60	130	6.0	11.0
21...*	1157	1.30	.60	130	6.0	12.0
21...*	1158	1.16	.60	130	6.0	13.0
MAR						
23...*	1453	1.50	1.00	63	4.5	11.0
23...*	1454	1.60	1.00	63	4.5	10.0
23...*	1455	1.60	1.00	63	4.5	9.00
23...*	1456	1.50	1.00	63	4.5	8.00
23...*	1457	1.70	1.00	63	4.5	7.00
23...*	1458	1.80	1.00	63	4.5	6.00
23...*	1459	2.00	1.00	63	4.5	5.00
23...*	1500	2.10	1.00	63	4.5	4.00
23...*	1501	2.00	1.00	63	4.5	3.00
23...*	1502	1.90	1.00	63	4.5	2.00
23...*	1503	1.80	1.00	63	4.5	1.00

* Instantaneous discharge at time of cross-sectional measurements: Oct. 21, 1.80 ft^3/s; Mar. 23, 23.0 ft^3/s.

e Estimated.
a Elevation, in feet, at end of month.
b Change in contents, in acre-feet.

10344400 LITTLE TRUCKEE RIVER ABOVE BOCA RESERVOIR, NEAR TRUCKEE, CA

LOCATION.—Lat 39°26'09", long 120°05'00", in SW ¼ SW ¼ sec.3, T.18 N., R.17 E., Nevada County, Hydrologic Unit 16050102, on left bank, 1 mi upstream from Boca Reservoir, 1.5 mi upstream from Dry Creek, 3.0 mi downstream from Stampede Dam, and 5.5 mi northeast of Truckee.

DRAINAGE AREA.—146 mi^2.

PERIOD OF RECORD.—June 1903 to October 1910, September 1939 to current year. Monthly discharge only for some periods, published in WSP 1314 and 1734. Published as "at Pine Station," June 1903 to December 1907, as "at Starr," January 1908 to October 1910, and as "near Boca," September 1939 to September 1976.

REVISED RECORDS.—WSP 1564: 1903–04, 1906–07, 1910, drainage area at site used in 1903–07.

GAGE.—Water-stage recorder and concrete control. Datum of gage is 5,618.67 ft above NGVD of 1929 (U.S. Bureau of Reclamation Benchmark). June 1903 to October 1910, nonrecording gages at different sites and datums.

REMARKS.—Records good. Flow regulated by Independence Lake (station 10342900) since 1939 and Stampede Reservoir (station 10344300) since 1969. There is one transbasin diversion to Sierra Valley. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Water years 1939–68, prior to construction of Stampede Dam, maximum discharge, 13,300 ft^3/s, Feb. 1, 1963, gage height, 9.00 ft, from rating curve extended above 1,600 ft^3/s, on basis of slope-area measurement of peak flow; minimum daily, 3.0 ft^3/s, Nov. 30, 1954. Maximum discharge since construction of Stampede Dam in 1969, 3,850 ft^3/s, Jan. 3, 1997, gage height, 5.26 ft; minimum daily, 0.30 ft^3/s, Sept. 16–21, 1969.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	32	54	132	84	87	226	245	335	101	196	31
2	77	32	54	131	84	86	225	245	334	101	196	30
3	77	32	67	130	79	86	208	245	335	101	174	31
4	77	32	79	130	84	86	230	245	334	100	127	31
5	77	32	80	130	84	85	230	245	335	100	106	31
6	67	32	80	130	84	85	227	245	335	119	106	31
7	58	32	85	130	84	87	222	328	334	e134	106	31
8	58	32	85	130	84	90	221	419	303	149	106	30
9	58	33	108	130	84	93	222	420	270	174	97	31
10	58	32	131	130	84	98	221	479	269	184	76	30
11	58	32	130	130	84	98	221	522	268	184	63	30
12	58	32	130	130	84	100	211	520	267	194	57	30
13	58	32	130	116	84	100	217	526	267	210	51	30
14	46	32	131	103	84	101	219	532	244	227	51	29
15	33	32	130	103	84	129	219	532	165	234	51	28
16	33	32	130	103	87	184	219	532	138	234	51	28
17	33	32	130	103	90	223	219	532	137	234	50	28
18	33	32	130	103	90	233	219	531	136	234	50	28
19	32	43	130	103	88	234	219	531	136	234	41	28
20	32	53	130	103	88	233	219	531	136	233	31	29
21	32	54	130	103	87	233	235	530	123	233	31	e29
22	32	54	130	103	86	233	245	531	112	234	31	e43
23	32	54	130	93	87	232	245	530	112	233	31	e57
24	32	54	134	84	87	230	245	532	112	234	31	e57
25	32	54	132	84	93	230	245	538	106	234	31	58
26	32	54	130	84	93	230	245	538	101	233	31	56
27	32	54	130	84	88	227	245	474	101	234	31	56
28	32	54	130	84	88	226	245	378	101	233	31	56
29	32	54	132	84	86	226	245	336	101	233	31	56
30	32	54	130	84	---	226	245	335	101	211	30	52
31	32	---	130	84	---	226	---	335	---	195	31	---
TOTAL	1452	1213	3562	3371	2493	5037	6854	13462	6148	5988	2126	1115
MEAN	46.8	40.4	115	109	86.0	162	228	434	205	193	68.6	37.2
MAX	77	54	134	132	93	234	245	538	335	234	196	58
MIN	32	32	54	84	79	85	208	245	101	100	30	28
AC-FT	2880	2410	7070	6690	4940	9990	13590	26700	12190	11880	4220	2210

e Estimated.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1968, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	76.0	83.5	123	87.3	131	170	399	543	310	78.1	29.8	25.8
MAX	394	630	725	264	835	374	855	1304	1045	433	180	76.5
(WY)	1963	1951	1965	1956	1963	1967	1952	1952	1967	1967	1940	1959
MIN	13.5	13.0	11.6	9.45	22.0	39.0	106	171	45.7	6.06	4.45	5.93
(WY)	1962	1940	1960	1962	1948	1948	1961	1961	1954	1949	1949	1948

SUMMARY STATISTICS	WATER YEARS 1939 - 1968		
ANNUAL MEAN	170		
HIGHEST ANNUAL MEAN	321		1952
LOWEST ANNUAL MEAN	58.9		1961
HIGHEST DAILY MEAN	8810	Feb 1	1963
LOWEST DAILY MEAN	3.0	Nov 30	1954
ANNUAL SEVEN-DAY MINIMUM	4.0	Jul 17	1949
MAXIMUM PEAK FLOW	13300	Feb 1	1963
MAXIMUM PEAK STAGE	9.00	Feb 1	1963
ANNUAL RUNOFF (AC-FT)	123200		
10 PERCENT EXCEEDS	454		
50 PERCENT EXCEEDS	70		
90 PERCENT EXCEEDS	13		

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2004, BY WATER YEAR (WY)

MEAN	71.0	42.3	73.1	104	87.8	138	305	532	321	171	113	57.8
MAX	503	132	711	1089	400	418	923	1371	1733	1301	573	359
(WY)	1974	1975	1984	1997	1996	1996	1986	1969	1983	1983	1975	1971
MIN	0.56	0.75	2.85	16.7	10.6	13.8	25.6	30.6	28.1	24.1	1.65	0.47
(WY)	1970	1970	1970	1980	1970	1970	1970	1988	1988	1981	1969	1969

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1969 - 2004		
ANNUAL TOTAL	38967		52821				
ANNUAL MEAN	107		144		168		
HIGHEST ANNUAL MEAN					427		1983
LOWEST ANNUAL MEAN					53.4		1992
HIGHEST DAILY MEAN	270	Apr 15	538	May 25	2590	Jan 12	1997
LOWEST DAILY MEAN	31	Jun 13	28	Sep 15	0.30	Sep 16	1969
ANNUAL SEVEN-DAY MINIMUM	31	Jun 13	28	Sep 14	0.31	Sep 15	1969
MAXIMUM PEAK FLOW			553	May 26	3850	Jan 3	1997
MAXIMUM PEAK STAGE			2.13	May 26	5.26	Jan 3	1997
ANNUAL RUNOFF (AC-FT)	77290		104800		122000		
10 PERCENT EXCEEDS	262		267		461		
50 PERCENT EXCEEDS	77		101		55		
90 PERCENT EXCEEDS	32		32		28		

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10344490 BOCA RESERVOIR NEAR TRUCKEE, CA

LOCATION.—Lat 39°23'20", long 120°05'43", in NE ¼ NW ¼ sec.28, T.18 N., R.17 E., Nevada County, Hydrologic Unit 16050102, in control house at Boca Dam, on Little Truckee River, 1,800 ft upstream from mouth, and 6.3 mi northeast of Truckee.

DRAINAGE AREA.—172 mi^2.

PERIOD OF RECORD.—December 1938 to current year. Prior to October 1976 published as "at Boca." Monthend contents only for December 1938 to September 1957, published in WSP 1734.

REVISED RECORDS.—WSP 1634: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Bureau of Reclamation).

REMARKS.—Reservoir is formed by earthfill, rock-faced dam. Storage began Dec. 8, 1938. Usable capacity, 40,868 acre-ft, between elevations 5,521 ft, outlet sill, and 5,605 ft, top of spillway gates. Elevation of spillway (gate open) is 5,589.01 ft. Dead contents, 241 acre-ft. Records, including extremes, represent usable contents at 0800 hours. Water is used for irrigation in the State of Nevada and for power development. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES (at 0800 hours) FOR PERIOD OF RECORD.—Maximum contents, 41,440 acre-ft, Dec. 23, 1955, elevation, 5,605.55 ft; minimum, 37 acre-ft, Mar. 4–9, 1955, elevation, 5,521.65 ft.

EXTREMES (at 0800 hours) FOR CURRENT YEAR.—Maximum contents, 31,500 acre-ft, estimated, July 20, elevation unknown; minimum, 3,400 acre-ft, Dec. 5, elevation, 5,544.65 ft.

Capacity table (elevation, in feet, and contents in acre-feet)
(Based on table provided by U.S. Bureau of Reclamation, dated November 1970)

5,540	2,356	5,555	6,725	5,580	20,002	5,600	36,128
5,545	3,513	5,560	8,778	5,590	27,488	5,605	40,868
5,550	4,970	5,570	13,768				

RESERVOIR STORAGE, ACRE FEET, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26600	16400	4310	e4630	5100	6820	16900	24400	30000	31100	30800	16900
2	26500	16000	4120	4630	5100	6930	17400	24600	29900	31100	30600	15700
3	26400	15600	3850	4540	5120	6930	17900	24900	29800	31100	30400	15200
4	26400	15200	3550	4430	5120	7110	18300	25100	29800	31100	30200	14700
5	26300	14800	3400	4430	5130	7160	18800	25300	29900	31100	29800	14300
6	26200	14300	3410	4440	5130	7190	19300	25500	30000	31000	29400	13800
7	26000	13900	3500	4450	5150	7250	19800	25600	30100	31000	29000	13400
8	25800	13500	3530	4460	5150	7330	20300	25700	30200	31000	28600	13000
9	25600	13100	3490	4480	5150	7460	20300	25800	30300	31000	28200	12600
10	25400	12700	3510	4490	5160	7620	20300	26000	30400	31000	27700	12400
11	25100	12300	3540	4500	5160	7800	21600	26300	30400	31100	27200	12100
12	24800	11900	3510	4520	5160	7980	22100	26500	30500	31100	26700	11800
13	24600	11500	3460	4590	5170	8180	22500	26700	30500	31100	26200	11500
14	24300	11100	3550	4640	5170	8390	22900	26900	30600	31200	25700	11200
15	23900	10600	3660	4690	5170	8610	23400	27200	30600	31200	25700	10800
16	23600	10200	3760	4740	5180	8940	23700	27400	30700	31300	24700	10300
17	23300	9780	3860	4790	5240	9390	23900	27700	30800	31300	24100	9610
18	22900	9370	3950	4840	5370	9880	24000	28000	30800	31400	23600	8900
19	22600	8940	4010	4890	5500	10400	24200	28400	30800	31400	23100	8180
20	22300	8510	4070	4940	5620	10900	24200	28700	30900	e31500	22600	7510
21	21900	8080	4120	4990	5720	11400	24100	28900	30900	e31400	22100	6780
22	21500	7670	4180	5040	5820	11900	24100	29000	30900	e31400	21500	6010
23	21100	7280	4230	5080	5920	12400	24000	29200	30900	31400	21000	5460
24	20600	6870	4280	5090	6020	12900	23900	29400	30900	31400	20500	5340
25	20100	6440	4390	5090	6130	13500	23900	29700	31000	31400	20000	5330
26	19600	6020	4450	5090	6360	13500	23800	30000	31000	31300	19500	5330
27	19100	5630	e4510	5090	6510	14700	23800	30400	31000	31300	19000	5330
28	18600	5240	e4570	5100	6620	15200	23800	30400	31000	31200	18400	5340
29	18100	4820	e4620	5100	6720	15700	23900	30300	31000	31200	17900	5350
30	17600	4500	4680	5100	---	16000	24200	30200	31000	31100	17400	5380
31	17000	---	4640	5100	---	16400	---	30100	---	31000	16900	---
MAX	26600	16400	4680	5100	6720	16400	24200	30400	31000	31500	30800	16900
MIN	17000	4500	3400	4430	5100	6820	16900	24400	29800	31000	16900	5330
a	5578.43	5548.59	5549.05	5550.44	5555.05	5574.51	5585.79	5593.22	5594.31	5594.23	5575.24	5551.25
b	-9800	-12500	+140	+460	+1620	+9680	+7800	+5900	+900	0	-14100	-11520

CAL YR 2003 MAX 31500 MIN 3400 b -130
WTR YR 2004 MAX 31500 MIN 3400 b -21420

e Estimated.
a Elevation, in feet, at end of month.
b Change in contents, in acre-feet.

10344500 LITTLE TRUCKEE RIVER BELOW BOCA DAM, NEAR TRUCKEE, CA

LOCATION.—Lat 39°23'13", long 120°05'40", in NE ¼ NW ¼ sec.28, T.18 N., R.17 E., Nevada County, Hydrologic Unit 16050102, on right bank, 800 ft upstream from mouth, 1,000 ft downstream from Boca Dam, and 6.2 mi northeast of Truckee.

DRAINAGE AREA.—173 mi^2.

PERIOD OF RECORD.—April to October 1890 (monthly discharge only), January 1911 to September 1915, January 1939 to current year. Prior to October 1976 published as "at Boca." Monthly discharge only for January 1939 to September 1957, published in WSP 1734.
WATER TEMPERATURE: Water years 1993–98.

REVISED RECORDS.—WDR CA-79-3: Drainage area.

GAGE.—Water-stage recorder. Elevation of gage is 5,500 ft above NGVD of 1929, from topographic map. Jan. 1, 1911, to Sept. 30, 1915, nonrecording gage at site 650 ft downstream at different datum. January 1939 to September 1957, records computed from daily log of rated settings of needle valve in dam and from computed flow over spillway.

REMARKS.—Records good. Flow regulated by Boca Reservoir (station 10344490) since 1938, Independence Lake (station 10342900) since 1939, and Stampede Reservoir (station 10344300) since 1969. There is one transmountain diversion to Sierra Valley of about 6,000 acre-ft per year. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 8,800 ft^3/s, Dec. 24, 1955, from records of Washoe County Water Conservation District; no flow for many days in many years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	132	256	148	146	86	52	0.46	137	382	81	281	308
2	122	241	167	163	86	52	0.46	138	382	81	289	298
3	121	240	213	187	86	53	0.46	138	373	86	289	286
4	121	252	171	155	86	68	0.48	138	308	102	299	260
5	120	253	106	131	86	74	0.50	139	278	110	302	252
6	126	242	78	131	86	74	0.51	166	278	125	310	262
7	147	241	78	131	86	74	0.50	301	268	130	312	253
8	158	239	91	131	86	57	0.50	336	238	141	311	197
9	171	238	126	131	86	50	0.50	347	237	145	321	177
10	182	234	126	131	85	50	0.54	355	237	157	320	170
11	186	232	136	131	85	50	0.56	388	238	167	307	167
12	194	230	161	110	85	51	0.56	406	238	181	308	167
13	199	237	130	98	85	51	0.60	407	238	190	307	184
14	199	259	93	85	85	51	0.54	408	230	197	313	206
15	199	257	93	85	85	51	25	409	125	200	315	255
16	199	255	91	85	86	52	130	376	104	212	314	347
17	198	254	91	85	63	52	154	359	104	216	310	380
18	197	252	97	85	51	52	154	360	104	222	302	380
19	196	255	112	85	50	53	217	361	105	225	301	377
20	204	266	113	86	51	53	253	392	105	238	299	382
21	214	264	113	85	51	54	272	428	105	241	299	409
22	e240	261	113	86	51	54	284	428	105	240	297	377
23	e255	262	113	86	51	47	284	430	105	249	294	182
24	276	266	114	86	51	0.56	283	399	103	253	283	72
25	281	263	114	86	51	0.52	283	374	87	259	279	56
26	283	260	114	86	52	0.52	283	355	87	263	287	56
27	283	258	114	86	52	0.49	253	403	87	262	298	53
28	283	255	115	86	52	0.53	202	400	87	262	301	46
29	284	229	115	86	52	61	155	383	78	262	300	46
30	300	171	139	86	---	88	137	382	77	262	299	51
31	317	---	157	86	---	15	---	382	---	268	306	---
TOTAL	6387	7422	3742	3317	2048	1441.62	3376.17	10425	5493	6027	9353	6656
MEAN	206	247	121	107	70.6	46.5	113	336	183	194	302	222
MAX	317	266	213	187	86	88	284	430	382	268	321	409
MIN	120	171	78	85	50	0.49	0.46	137	77	81	279	46
AC-FT	12670	14720	7420	6580	4060	2860	6700	20680	10900	11950	18550	13200

e Estimated.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1915, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	22.8	38.1	29.2	83.4	75.5	196	721	790	582	169	36.5	26.3
MAX	34.2	58.4	39.3	283	173	558	1367	1260	1211	435	66.3	35.7
(WY)	1915	1913	1914	1914	1914	1914	1914	1911	1911	1911	1911	1912
MIN	14.1	28.4	23.2	20.5	28.4	56.3	106	379	212	50.7	20.1	14.4
(WY)	1914	1915	1912	1913	1912	1912	1912	1912	1913	1912	1915	1915

SUMMARY STATISTICS	WATER YEARS 1911 - 1915	
ANNUAL MEAN	193	
HIGHEST ANNUAL MEAN	387	1914
LOWEST ANNUAL MEAN	94.7	1912
HIGHEST DAILY MEAN	2360	Apr 15 1914
LOWEST DAILY MEAN	.00	Sep 26 1911
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 26 1911
ANNUAL RUNOFF (AC-FT)	140100	
10 PERCENT EXCEEDS	800	
50 PERCENT EXCEEDS	49	
90 PERCENT EXCEEDS	16	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1969, BY WATER YEAR (WY)

MEAN	89.7	106	144	156	160	132	264	426	315	159	146	120
MAX	303	611	856	649	606	442	808	1647	974	389	408	414
(WY)	1968	1951	1951	1965	1963	1967	1952	1952	1967	1967	1958	1952
MIN	.000	.12	.20	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1940	1967	1960	1939	1939	1939	1939	1939	1939	1939	1939	1939

SUMMARY STATISTICS	WATER YEARS 1939 - 1969	
ANNUAL MEAN	190	
HIGHEST ANNUAL MEAN	435	1952
LOWEST ANNUAL MEAN	65.8	1961
HIGHEST DAILY MEAN	5520	Dec 24 1955
LOWEST DAILY MEAN	.00	Jan 1 1939
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1 1939
MAXIMUM PEAK FLOW	8800	Dec 24 1955
ANNUAL RUNOFF (AC-FT)	137700	
10 PERCENT EXCEEDS	430	
50 PERCENT EXCEEDS	107	
90 PERCENT EXCEEDS	.02	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2004, BY WATER YEAR (WY)

MEAN	116	84.4	94.9	112	88.4	121	271	466	297	202	154	119
MAX	441	327	568	1296	433	522	975	1148	1788	1131	585	418
(WY)	1972	1984	1984	1997	1997	1996	1986	1985	1983	1983	1975	1971
MIN	0.00	0.02	0.11	0.00	1.60	0.13	0.39	0.31	2.63	0.75	13.6	0.55
(WY)	1995	1991	1978	1995	1995	1995	1988	1988	1977	1981	1984	1970

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1970 - 2004	
ANNUAL TOTAL	41748.13		65687.79			
ANNUAL MEAN	114		179		178	
HIGHEST ANNUAL MEAN					470	1983
LOWEST ANNUAL MEAN					55.6	1992
HIGHEST DAILY MEAN	445	May 2	430	May 23	2530	Jan 9 1997
LOWEST DAILY MEAN	0.28	Jan 7	0.46	Apr 1	0.00	Sep 13 1994
ANNUAL SEVEN-DAY MINIMUM	0.32	Jan 15	0.48	Apr 1	0.00	Sep 13 1994
MAXIMUM PEAK FLOW			438	May 27	2720	Jan 8 1997
MAXIMUM PEAK STAGE			3.19	May 27	6.14	Jan 8 1997
ANNUAL RUNOFF (AC-FT)	82810		130300		128800	
10 PERCENT EXCEEDS	260		318		442	
50 PERCENT EXCEEDS	113		162		93	
90 PERCENT EXCEEDS	0.42		51		0.59	

10344505 TRUCKEE RIVER AT BOCA BRIDGE, NEAR TRUCKEE, CA

LOCATION.—Lat 39°23'07", long 120°05'12", in SE ¼ NE ¼ sec.28, T.18 N., R.17 E., Nevada County, Hydrologic Unit 16050102, on right bank, 0.4 mi downstream from mouth of Little Truckee River, 0.7 mi southeast of Boca Dam, 6.5 mi northeast of Truckee, and 10.6 mi north of Kings Beach.

DRAINAGE AREA.—173 mi^2.

PERIOD OF RECORD.—August 2002 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 5,527 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good. Flow regulated by Lake Tahoe and Donner, Martis Creek, and Independence Lakes, and Prosser Creek, Stampede, and Boca Reservoirs (stations 10337000, 10338400, 10339380, 10342900, 10340300, 10344300, and 10344490, respectively), and by several powerplants. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 1,590 ft^3/s, May 29, 2003, gage height, 7.89 ft; minimum daily, 50 ft^3/s, Dec. 11, 12, 2002.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	446	327	197	295	210	317	682	712	864	502	543	480
2	432	324	217	e300	216	310	663	763	860	494	542	479
3	421	352	263	311	223	300	682	833	829	491	533	485
4	419	420	220	275	217	306	733	897	720	496	539	470
5	413	457	153	260	211	310	799	911	654	495	534	454
6	412	432	197	274	212	311	808	879	646	505	529	463
7	415	413	365	276	214	326	749	955	636	505	524	465
8	408	396	261	280	211	330	775	972	570	505	520	457
9	408	390	303	291	212	358	763	960	552	499	528	470
10	408	374	299	295	214	436	734	942	526	498	525	469
11	408	359	291	292	206	489	712	911	523	504	508	459
12	410	347	270	265	207	508	723	880	517	513	509	451
13	411	344	233	242	204	530	746	871	518	517	506	456
14	406	349	206	228	204	558	693	877	547	516	508	459
15	382	347	192	228	202	628	649	866	512	514	515	484
16	365	339	193	228	230	695	646	833	483	519	512	593
17	360	333	188	225	471	733	624	831	480	519	500	624
18	358	326	189	225	395	762	588	819	470	518	486	614
19	355	326	204	224	382	824	624	788	462	515	482	609
20	361	327	209	225	366	842	664	838	483	523	478	596
21	358	322	221	230	342	896	696	880	507	522	473	569
22	361	314	213	219	332	975	720	887	504	517	470	512
23	360	310	210	218	326	1060	710	905	501	522	470	293
24	354	315	255	218	319	1030	722	833	499	523	474	169
25	349	311	301	216	378	960	758	756	490	520	466	142
26	350	306	260	213	443	847	809	707	488	519	470	135
27	349	302	228	215	405	741	857	820	489	526	484	124
28	347	298	228	217	347	716	874	971	520	529	481	109
29	343	268	239	214	324	731	771	837	514	526	474	104
30	361	216	284	215	---	767	686	819	503	527	470	106
31	394	---	305	212	---	707	---	839	---	536	475	---
TOTAL	11924	10244	7394	7626	8223	19303	21660	26592	16867	15915	15528	12300
MEAN	385	341	239	246	284	623	722	858	562	513	501	410
MAX	446	457	365	311	471	1060	874	972	864	536	543	624
MIN	343	216	153	212	202	300	588	707	462	491	466	104
AC-FT	23650	20320	14670	15130	16310	38290	42960	52750	33460	31570	30800	24400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	410	336	226	298	303	553	739	915	619	560	497	478
MAX	435	341	239	349	324	623	757	972	676	606	501	527
(WY)	2003	2004	2004	2003	2003	2004	2003	2003	2003	2003	2004	2003
MIN	385	331	213	246	284	484	722	858	562	513	493	410
(WY)	2004	2003	2003	2004	2004	2003	2004	2004	2004	2004	2003	2004

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	187470		173576			
ANNUAL MEAN	514		474		495	
HIGHEST ANNUAL MEAN					515	2003
LOWEST ANNUAL MEAN					474	2004
HIGHEST DAILY MEAN	1340	May 30	1060	Mar 23	1340	May 30 2003
LOWEST DAILY MEAN	153	Dec 5	104	Sep 29	50	Dec 11 2002
ANNUAL SEVEN-DAY MINIMUM	197	Dec 14	127	Sep 24	53	Dec 6 2002
MAXIMUM PEAK FLOW			1120	Mar 23	1590	May 29 2003
MAXIMUM PEAK STAGE			7.46	Mar 23	7.89	May 29 2003
ANNUAL RUNOFF (AC-FT)	371800		344300		358300	
10 PERCENT EXCEEDS	888		821		839	
50 PERCENT EXCEEDS	487		470		480	
90 PERCENT EXCEEDS	275		216		228	

e Estimated.

10345490 GRAY CREEK NEAR FLORISTON, CA

LOCATION.—Lat 39°22'22", long 120°01'49", in NE ¼ NE ¼ sec.36, T.18 N., R.17 E., Nevada County, Hydrologic Unit 16050102, on left bank, about 400 ft upstream from Truckee River, and about 1.6 mi southwest of Floriston.

DRAINAGE AREA.—17.6 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 2001 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 5,420 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good except for estimated daily discharges, which are fair. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 248 ft^3/s, May 28, 2003, gage height, 3.23 ft, maximum gage height, 3.87 ft, backwater from ice, Jan. 24, 2002; minimum daily, 6.7 ft^3/s, Feb. 6, 2002.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 100 ft^3/s, or maximum:

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 3	1945	78	2.51

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	e9.5	10	e8.0	e8.5	11	23	35	48	22	15	9.5
2	9.9	e9.5	10	e8.0	e8.5	11	21	43	50	23	14	9.6
3	9.9	e9.8	10	e8.1	e8.5	12	20	52	50	22	14	9.7
4	10	e9.8	11	e8.2	e8.5	11	23	52	50	20	14	9.7
5	9.8	9.5	12	e8.3	e8.5	9.5	28	51	50	19	13	9.6
6	9.8	11	13	e8.4	e8.8	11	28	48	52	19	13	9.5
7	9.8	9.7	12	e8.5	e8.8	14	27	44	47	19	13	9.4
8	9.8	9.9	e12	8.7	e8.3	15	27	42	40	18	13	9.0
9	9.8	10	e11	8.7	e8.6	14	27	40	38	17	12	9.0
10	10	9.8	11	8.7	e8.8	16	29	33	35	18	12	9.0
11	9.9	11	e10	8.7	e8.8	17	30	30	34	17	11	8.8
12	9.5	11	e9.0	8.6	e8.8	16	30	30	34	16	11	8.8
13	9.4	10	8.8	8.7	e8.3	16	29	32	35	16	12	8.9
14	9.3	11	e8.8	e9.0	e8.3	18	29	33	36	16	11	9.1
15	9.5	10	e8.7	9.1	7.8	18	28	33	36	16	12	9.0
16	9.5	10	e8.7	e9.0	11	20	25	32	36	17	11	8.8
17	9.6	10	e8.6	e9.0	14	20	23	33	37	16	11	8.9
18	9.4	10	e8.6	9.0	14	26	22	31	37	15	11	8.5
19	9.6	10	8.0	e9.0	12	31	21	31	37	15	11	8.8
20	9.8	9.7	8.5	9.0	13	32	20	32	38	15	11	9.3
21	9.6	11	8.4	e9.0	11	37	20	31	39	15	10	9.1
22	9.5	e10	e8.2	e9.0	10	35	20	31	39	15	11	8.4
23	9.4	e10	8.2	e8.5	10	36	19	33	37	15	10	7.9
24	9.3	e9.8	e8.2	e8.5	9.8	33	21	33	34	15	10	7.9
25	8.7	e9.8	e8.2	e8.2	13	30	24	33	31	15	9.8	7.8
26	8.9	e9.7	e8.0	e8.2	16	22	28	33	28	15	9.8	7.8
27	9.1	e9.6	e8.0	8.2	17	19	34	40	25	15	10	7.8
28	9.0	e9.5	e8.0	8.0	12	19	34	41	25	15	10	7.7
29	9.2	9.5	e8.0	7.9	13	20	32	37	23	15	9.8	8.2
30	9.4	9.6	e8.0	8.0	---	23	33	41	21	15	9.7	8.4
31	9.3	---	7.9	e8.2	---	25	---	45	---	15	9.5	---
TOTAL	295.3	299.7	288.8	264.4	303.6	637.5	775	1155	1122	521	354.6	263.9
MEAN	9.53	9.99	9.32	8.53	10.5	20.6	25.8	37.3	37.4	16.8	11.4	8.80
MAX	10	11	13	9.1	17	37	34	52	52	23	15	9.7
MIN	8.7	9.5	7.9	7.9	7.8	9.5	19	30	21	15	9.5	7.7
AC-FT	586	594	573	524	602	1260	1540	2290	2230	1030	703	523

e Estimated.

10345490 GRAY CREEK NEAR FLORISTON, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	8.64	9.04	8.42	9.31	10.0	14.8	22.4	41.5	44.7	15.9	11.1	8.81
MAX	9.53	9.99	9.32	11.4	12.0	20.6	25.8	50.8	61.2	16.8	12.4	9.66
(WY)	2004	2004	2004	2003	2003	2004	2004	2003	2003	2004	2003	2003
MIN	7.75	8.09	7.63	7.98	7.69	9.15	19.2	36.5	35.5	14.9	9.51	7.98
(WY)	2003	2003	2002	2002	2002	2002	2003	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004		
ANNUAL TOTAL	7184.2		6280.8				
ANNUAL MEAN	19.7		17.2		18.2		
HIGHEST ANNUAL MEAN					19.3		2003
LOWEST ANNUAL MEAN					17.2		2004
HIGHEST DAILY MEAN	124	May 28	52	May 3	124	May 28	2003
LOWEST DAILY MEAN	7.9	Dec 31	7.7	Sep 28	6.7	Feb 6	2002
ANNUAL SEVEN-DAY MINIMUM	8.0	Dec 25	7.9	Sep 23	7.0	Feb 2	2002
MAXIMUM PEAK FLOW			78	May 3	248	May 28	2003
MAXIMUM PEAK STAGE			2.51	May 3	3.87	Jan 24	2002
ANNUAL RUNOFF (AC-FT)	14250		12460		13200		
10 PERCENT EXCEEDS	36		35		35		
50 PERCENT EXCEEDS	12		11		11		
90 PERCENT EXCEEDS	9.2		8.4		8.0		

WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 2001 to current year.
pH: December 2001 to current year.
SPECIFIC CONDUCTANCE: December 2001 to current year.
WATER TEMPERATURE: December 2001 to current year.
TURBIDITY: December 2001 to current year.
SEDIMENT: November 2001 to current year.

PERIOD OF DAILY RECORD.—December 2001 to current year.
pH: December 2001 to current year.
SPECIFIC CONDUCTANCE: December 2001 to current year.
WATER TEMPERATURE: December 2001 to current year.
TURBIDITY: December 2001 to current year.

INSTRUMENTATION.—Water-quality monitor since December 2001.

REMARKS.—Water temperature records rated excellent. pH records are rated good. Specific conductance and turbidity records rated fair. Interruptions in record due to sensor malfunction.

EXTREMES FOR PERIOD OF DAILY RECORD.—
pH: Maximum recorded, 8.8 standard units, several days in 2003; minimum recorded, 7.0 standard units, July 20, 2003.
SPECIFIC CONDUCTANCE: Maximum recorded, 257 microsiemens, July 28, 2003; minimum recorded, 15 microsiemens, May 22, 2003.
WATER TEMPERATURE: Maximum recorded, 21.5°C, July 10, 2002, July 21, 29, 2003; minimum recorded, 0.0°C, several days in most years.
TURBIDITY: Maximum recorded, >4,000 NTU, July 20, 21, 28, 29, Aug. 21, 2003; minimum recorded, 0.0 NTU, some days in most years.

EXTREMES FOR CURRENT YEAR.—
pH: Maximum recorded, 8.6 standard units, many days in April, August, and September; minimum recorded, 7.9 standard units, Nov. 12.
SPECIFIC CONDUCTANCE: Maximum recorded, 223 microsiemens, Feb. 26; minimum recorded, 81 microsiemens, June 2, 3.
WATER TEMPERATURE: Maximum recorded, 21.0°C, July 19; minimum recorded, 0.0°C, many days in October to March.
TURBIDITY: Maximum recorded, 980 NTU, May 4; minimum recorded, 1.1 NTU, Sep. 22, 29.

> Actual value is known to be greater than value shown.

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.4	8.3	8.3	8.1	8.0	8.0	8.3	8.3	8.4	8.2	8.4	8.3
2	8.4	8.2	8.2	8.1	8.0	8.0	8.3	8.2	8.4	8.2	8.5	8.3
3	8.4	8.2	8.3	8.1	8.0	8.0	8.3	8.2	8.4	8.2	8.5	8.3
4	8.4	8.3	8.2	8.1	8.0	8.0	8.2	8.2	8.4	8.3	8.5	8.3
5	8.4	8.3	8.3	8.2	8.0	8.0	8.2	8.2	8.3	8.3	8.5	8.3
6	8.4	8.3	8.3	8.1	8.0	8.0	8.2	8.2	8.3	8.3	8.5	8.3
7	8.4	8.2	8.3	8.2	8.4	8.0	8.3	8.2	8.4	8.3	8.5	8.3
8	8.4	8.3	8.3	8.2	8.3	8.2	8.3	8.2	8.3	8.3	8.5	8.3
9	8.4	8.3	8.3	8.2	8.2	8.2	8.3	8.2	8.3	8.3	8.4	8.2
10	8.4	8.3	8.3	8.2	8.2	8.1	8.4	8.3	8.3	8.3	8.4	8.2
11	8.4	8.2	8.3	8.1	8.3	8.1	8.4	8.3	8.3	8.3	8.4	8.2
12	8.4	8.2	8.3	7.9	8.2	8.2	8.4	8.2	8.3	8.3	8.3	8.2
13	8.3	8.2	8.3	8.2	8.2	8.2	8.3	8.3	8.3	8.3	8.4	8.2
14	8.4	8.2	8.2	8.2	8.3	8.2	8.4	8.2	8.4	8.2	8.3	8.2
15	8.3	8.2	8.2	8.2	8.3	8.2	8.4	8.3	8.4	8.3	8.4	8.3
16	8.4	8.2	8.2	8.2	8.2	8.2	8.4	8.3	8.4	8.2	8.4	8.3
17	8.4	8.2	8.3	8.2	8.2	8.2	8.4	8.3	8.4	8.2	8.4	8.3
18	8.4	8.2	8.2	8.2	8.2	8.2	8.4	8.3	8.4	8.3	8.4	8.3
19	8.4	8.3	8.2	8.2	8.3	8.2	8.4	8.3	8.4	8.3	8.3	8.2
20	8.4	8.3	8.2	8.1	8.3	8.2	8.4	8.3	8.4	8.3	8.3	8.2
21	8.4	8.3	8.2	8.1	8.3	8.2	8.3	8.3	8.4	8.3	8.3	8.2
22	8.4	8.3	8.1	8.1	8.3	8.2	8.3	8.2	8.4	8.3	8.3	8.2
23	8.4	8.3	8.1	8.1	8.3	8.2	8.3	8.2	8.4	8.3	8.3	8.2
24	8.3	8.2	8.1	8.1	8.3	8.2	8.4	8.3	8.5	8.3	8.3	8.2
25	8.3	8.2	8.1	8.1	8.3	8.3	8.4	8.3	8.3	8.2	8.3	8.3
26	8.3	8.2	8.1	8.1	8.3	8.3	8.3	8.3	8.4	8.3	8.4	8.3
27	8.3	8.2	8.1	8.0	8.3	8.2	8.4	8.3	8.4	8.3	8.4	8.3
28	8.4	8.2	8.1	8.0	8.3	8.2	8.4	8.3	8.4	8.3	8.4	8.3
29	8.3	8.3	8.1	8.0	8.3	8.2	8.4	8.3	8.4	8.3	8.5	8.3
30	8.3	8.2	8.0	8.0	8.3	8.2	8.4	8.3	---	---	8.4	8.3
31	8.3	8.1	---	---	8.3	8.2	8.3	8.3	---	---	8.4	8.3
MONTH	8.4	8.1	8.3	7.9	8.4	8.0	8.4	8.2	8.5	8.2	8.5	8.2

10345490 GRAY CREEK NEAR FLORISTON, CA—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.4	8.3	8.5	8.2	8.3	8.1	8.3	8.2	8.5	8.3	8.6	8.4
2	8.5	8.3	8.4	8.1	8.3	8.0	8.3	8.2	8.5	8.3	8.6	8.4
3	8.4	8.3	8.4	8.1	8.2	8.0	8.4	8.2	8.5	8.3	8.6	8.4
4	8.4	8.3	8.4	8.1	8.3	8.0	8.4	8.2	8.5	8.3	8.6	8.4
5	8.4	8.3	8.3	8.1	8.2	8.0	8.4	8.2	8.5	8.3	8.6	8.4
6	8.5	8.2	8.3	8.1	8.3	8.1	8.4	8.2	8.5	8.3	8.6	8.4
7	8.5	8.3	8.3	8.1	8.2	8.1	8.4	8.2	8.5	8.3	8.6	8.4
8	8.5	8.3	8.3	8.1	8.2	8.1	8.4	8.2	8.6	8.3	8.6	8.4
9	8.5	8.3	8.3	8.1	8.2	8.1	8.4	8.2	8.5	8.3	8.6	8.4
10	8.5	8.3	8.3	8.1	8.3	8.1	8.4	8.2	8.6	8.3	8.6	8.4
11	8.5	8.3	8.3	8.2	8.3	8.1	8.4	8.2	8.6	8.3	8.6	8.4
12	8.5	8.3	8.4	8.2	8.3	8.1	8.4	8.2	8.6	8.3	8.6	8.4
13	8.5	8.3	8.4	8.2	8.3	8.1	8.5	8.3	8.5	8.3	8.6	8.4
14	8.5	8.3	8.4	8.2	8.3	8.1	8.5	8.3	8.6	8.3	8.6	8.4
15	8.5	8.3	8.3	8.2	8.3	8.1	8.5	8.3	8.5	8.4	8.6	8.4
16	8.5	8.3	8.4	8.1	8.3	8.1	8.5	8.3	8.5	8.4	8.6	8.4
17	8.5	8.3	8.4	8.1	8.3	8.1	8.5	8.3	8.5	8.3	8.6	8.4
18	8.5	8.4	8.4	8.2	8.3	8.1	8.5	8.3	8.6	8.4	8.5	8.4
19	8.6	8.4	8.4	8.2	8.3	8.1	8.5	8.3	8.6	8.4	8.5	8.4
20	8.6	8.4	8.3	8.2	8.3	8.1	8.5	8.3	8.6	8.3	8.5	8.4
21	8.6	8.4	8.3	8.2	8.3	8.1	8.5	8.3	8.5	8.4	8.5	8.3
22	8.6	8.4	8.4	8.2	8.3	8.1	8.5	8.3	8.5	8.4	8.5	8.3
23	8.6	8.3	8.4	8.2	8.3	8.1	8.5	8.3	8.6	8.4	8.5	8.4
24	8.6	8.3	8.4	8.1	8.3	8.1	8.5	8.3	8.6	8.4	8.5	8.4
25	8.6	8.3	8.4	8.2	8.3	8.1	8.5	8.3	8.6	8.4	8.6	8.4
26	8.6	8.2	8.4	8.1	8.3	8.1	8.5	8.3	8.6	8.4	8.6	8.4
27	8.4	8.2	8.4	8.1	8.3	8.1	8.5	8.3	8.6	8.4	8.5	8.4
28	8.4	8.2	8.3	8.1	8.3	8.2	8.5	8.3	8.6	8.4	8.6	8.4
29	8.4	8.2	8.3	8.1	8.3	8.2	8.5	8.3	8.6	8.4	8.6	8.4
30	8.4	8.2	8.3	8.1	8.3	8.2	8.5	8.3	8.6	8.4	8.6	8.4
31	---	---	8.3	8.1	---	---	8.5	8.3	8.6	8.4	---	---
MONTH	8.6	8.2	8.5	8.1	8.3	8.0	8.5	8.2	8.6	8.3	8.6	8.3

SPECIFIC CONDUCTANCE, MICROSIEMENS/CM AT 25 DEG. C, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	153	152	155	145	146	130	172	111	167	161	169	166
2	153	150	163	149	130	127	172	157	165	158	200	167
3	153	151	159	154	127	125	166	159	162	159	201	175
4	153	151	174	149	126	123	171	166	164	154	182	178
5	153	151	152	147	---	---	172	171	171	143	183	180
6	154	153	164	147	---	---	171	167	174	141	183	180
7	---	---	155	143	---	---	172	169	171	159	187	182
8	---	---	144	138	---	---	171	160	173	153	190	182
9	---	---	174	139	---	---	166	164	166	159	189	179
10	---	---	185	149	---	---	168	165	174	160	186	175
11	---	---	157	142	---	---	167	165	173	165	175	142
12	---	---	160	139	---	---	168	166	179	168	152	142
13	---	---	153	125	---	---	170	168	181	172	150	143
14	---	---	154	123	---	---	170	169	182	170	145	139
15	---	---	153	130	157	148	173	165	173	167	164	138
16	---	---	155	132	155	146	172	147	174	137	189	141
17	---	---	154	141	155	150	176	169	156	137	182	160
18	---	---	156	135	156	150	171	163	159	152	197	178
19	---	---	156	140	157	144	168	162	163	158	201	190
20	---	---	157	137	145	139	167	164	171	156	203	185
21	---	---	158	149	146	143	169	158	165	162	198	183
22	---	---	175	157	150	142	165	159	166	163	192	180
23	---	---	175	157	148	146	165	158	169	163	185	174
24	---	---	158	149	154	135	163	149	170	167	181	174
25	---	---	159	154	155	152	162	134	175	151	182	178
26	166	163	163	158	159	139	155	134	223	175	187	181
27	166	161	169	157	170	159	155	152	203	190	188	177
28	168	164	165	159	170	160	156	153	198	161	187	185
29	167	156	164	159	160	158	156	155	195	155	190	185
30	162	151	163	146	161	157	157	155	---	---	190	185
31	159	146	---	---	160	158	164	157	---	---	193	187
MONTH	---	---	185	123	---	---	176	111	223	137	203	138

10345490 GRAY CREEK NEAR FLORISTON, CA—Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS/CM AT 25 DEG. C, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	192	183	129	116	91	83	108	99	129	115	141	136
2	184	172	123	110	91	81	106	102	131	117	141	134
3	175	170	118	96	89	81	111	103	124	117	135	130
4	171	164	110	89	90	82	113	105	124	116	140	123
5	166	162	108	90	90	82	114	106	133	117	133	129
6	172	165	107	94	90	83	117	108	132	116	130	124
7	174	159	108	97	88	83	117	110	129	120	144	116
8	159	149	109	97	89	84	119	113	127	117	144	133
9	156	144	111	99	91	88	123	116	137	125	144	132
10	149	140	111	101	92	89	120	113	137	130	144	139
11	147	137	117	110	94	89	121	115	137	132	145	134
12	144	136	124	116	96	89	122	115	138	128	145	141
13	141	136	127	113	96	89	127	115	137	127	147	142
14	143	138	124	110	96	89	124	119	140	132	146	143
15	142	138	120	108	97	90	129	119	140	131	145	143
16	146	142	114	100	97	91	126	119	139	131	146	143
17	147	143	107	97	94	91	129	120	140	129	145	137
18	147	145	106	98	97	92	134	119	140	134	145	143
19	150	147	105	97	99	92	131	125	141	133	145	141
20	155	149	104	96	98	92	134	123	142	136	143	138
21	151	150	101	96	97	93	132	121	142	132	144	138
22	153	150	102	89	100	93	124	112	142	128	144	140
23	153	146	97	88	99	94	124	114	142	130	145	143
24	151	137	96	88	98	93	125	116	143	133	145	138
25	147	130	95	90	98	94	127	117	143	133	147	136
26	137	118	97	89	98	94	128	117	143	129	147	146
27	133	118	95	84	98	95	127	114	143	125	147	146
28	129	120	90	84	99	96	127	118	144	128	148	146
29	130	120	95	87	100	98	128	114	144	126	148	146
30	132	119	95	84	110	98	129	113	145	127	148	144
31	---	---	93	83	---	---	121	111	144	131	---	---
MONTH	192	118	129	83	110	81	134	99	145	115	148	116

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	15.5	8.0	2.0	0.0	4.5	1.5	1.5	0.0	2.5	0.0	4.0	0.5
2	13.0	5.5	1.0	0.0	3.5	1.5	0.0	0.0	2.5	0.0	5.5	0.5
3	13.0	5.5	3.5	0.0	3.0	0.5	0.0	0.0	2.5	0.0	4.5	0.0
4	13.0	7.5	1.0	0.0	4.0	0.0	0.0	0.0	2.0	0.0	5.5	0.0
5	12.5	6.5	4.0	0.5	6.5	3.5	0.0	0.0	0.0	0.0	6.0	0.5
6	13.5	6.0	3.0	0.0	5.0	3.0	0.0	0.0	1.5	0.0	8.0	2.0
7	13.0	6.5	4.5	1.5	3.5	1.0	2.0	0.0	2.5	0.0	8.0	1.0
8	13.0	5.5	5.0	2.0	1.0	0.0	3.5	1.5	0.0	0.0	8.5	1.5
9	12.5	6.5	3.5	1.0	1.0	0.0	3.5	1.0	0.0	0.0	9.0	2.0
10	9.0	3.0	2.5	0.0	1.5	0.0	3.0	1.0	0.0	0.0	8.5	2.5
11	10.0	1.5	1.5	0.0	1.0	0.0	3.0	1.0	0.0	0.0	8.0	1.5
12	10.5	4.0	3.0	0.0	2.0	0.0	4.0	1.0	0.0	0.0	8.5	2.0
13	8.5	2.0	4.0	1.0	4.0	1.5	3.0	0.5	0.0	0.0	9.0	2.0
14	10.0	2.5	4.0	0.0	2.0	0.0	2.0	0.0	3.0	0.0	9.5	2.5
15	8.5	1.5	4.0	1.5	0.0	0.0	2.5	0.5	3.5	1.0	9.5	3.0
16	10.0	3.0	3.5	0.0	0.0	0.0	2.0	0.0	4.0	1.0	9.0	2.5
17	10.5	4.0	5.5	1.5	0.0	0.0	2.0	0.0	4.0	2.0	9.5	2.5
18	10.5	3.5	4.0	0.0	0.0	0.0	3.5	0.5	4.5	1.5	9.0	3.0
19	11.0	5.5	5.0	1.0	2.0	0.0	2.0	0.0	4.0	0.0	9.5	3.5
20	11.5	4.5	6.0	1.0	3.0	1.5	3.0	0.5	3.0	0.0	10.0	2.5
21	11.0	4.5	2.5	0.0	3.0	0.0	1.0	0.0	4.5	1.0	10.5	3.5
22	10.5	4.5	0.0	0.0	1.5	0.0	0.0	0.0	4.5	1.5	9.5	4.0
23	10.0	4.5	0.0	0.0	3.5	0.5	0.0	0.0	5.0	1.0	9.5	3.0
24	8.0	1.5	0.0	0.0	2.5	0.5	3.0	0.0	5.0	0.5	9.0	3.0
25	8.0	2.0	0.0	0.0	2.0	0.0	1.5	0.0	2.0	0.0	7.0	2.0
26	8.0	2.5	0.0	0.0	0.5	0.0	1.0	0.0	2.5	0.0	6.0	1.0
27	8.0	2.5	0.0	0.0	0.0	0.0	3.0	1.0	4.0	0.0	9.5	3.0
28	9.5	3.0	2.5	0.0	0.0	0.0	3.0	0.0	5.5	0.5	9.5	2.0
29	10.0	5.0	4.0	2.0	0.0	0.0	3.0	0.5	4.0	0.0	10.5	3.0
30	5.5	1.0	4.0	2.0	0.5	0.0	3.5	1.0	---	---	10.5	4.0
31	1.0	0.0	---	---	2.5	0.5	1.0	0.0	---	---	10.5	3.5
MONTH	15.5	0.0	6.0	0.0	6.5	0.0	4.0	0.0	5.5	0.0	10.5	0.0

10345490 GRAY CREEK NEAR FLORISTON, CA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.0	2.0	12.5	3.0	14.5	5.0	12.0	7.0	19.0	8.5	18.5	9.5
2	9.5	2.0	14.0	4.0	15.5	5.0	15.0	7.0	18.5	8.5	16.5	9.0
3	10.5	3.0	13.5	3.5	13.0	5.5	17.5	8.0	17.5	6.5	14.0	6.5
4	11.0	4.0	13.5	4.5	15.0	4.5	18.5	7.5	18.0	8.5	15.0	5.5
5	10.5	3.5	12.0	5.0	14.5	5.0	19.0	8.0	17.5	7.5	16.5	6.5
6	10.0	2.5	10.5	4.5	15.5	5.5	19.5	9.5	18.0	8.5	17.0	7.5
7	11.0	3.0	12.0	4.0	13.5	5.0	19.0	10.0	18.5	7.0	16.5	7.0
8	10.5	3.5	12.0	4.0	9.0	3.0	18.5	8.0	19.5	8.5	16.0	6.5
9	11.0	3.0	12.5	2.5	7.0	3.0	18.0	9.0	19.5	10.0	16.0	6.5
10	11.0	2.5	6.5	3.5	13.0	5.5	17.5	7.5	20.0	8.5	16.0	7.0
11	11.5	2.5	6.0	1.5	14.0	3.5	18.0	6.5	19.5	9.5	16.5	7.0
12	11.0	3.5	12.0	1.5	15.0	4.5	18.5	8.0	18.5	10.5	16.5	9.0
13	9.5	3.5	13.0	3.0	16.0	5.5	19.5	8.5	17.5	11.5	15.5	6.5
14	10.0	2.0	12.5	3.0	16.5	6.5	19.0	8.0	19.5	10.5	14.0	5.0
15	10.0	3.0	12.0	4.0	16.5	6.5	18.5	8.0	16.5	11.5	14.5	5.5
16	9.0	2.5	13.0	3.0	16.0	6.5	18.0	8.5	15.0	11.0	16.0	6.5
17	6.5	2.5	12.5	3.5	14.0	6.5	19.5	10.5	18.5	7.5	15.0	6.5
18	6.5	2.0	11.5	3.0	15.0	6.0	20.0	10.5	19.0	9.0	10.5	7.0
19	8.0	3.0	11.0	2.5	16.5	5.5	21.0	11.0	16.5	10.0	7.5	5.0
20	10.0	4.0	10.0	3.0	16.0	5.5	19.5	10.0	19.5	10.0	9.0	4.0
21	10.5	3.5	9.0	2.5	16.5	6.5	20.0	9.0	17.5	9.5	10.5	2.5
22	11.0	2.0	13.0	4.0	17.5	7.0	20.0	10.5	13.5	10.0	12.5	3.5
23	12.0	2.0	12.5	3.0	18.0	7.5	18.0	10.0	15.5	9.5	13.5	5.5
24	13.0	2.5	12.5	3.5	16.5	7.5	19.0	11.0	17.5	8.5	13.5	5.0
25	13.5	3.5	11.0	3.5	17.0	6.0	19.0	10.5	17.0	9.0	14.0	5.5
26	14.0	3.5	12.5	3.5	17.0	6.0	20.0	9.5	16.0	7.5	13.0	5.0
27	12.5	4.0	13.0	6.0	15.0	6.5	19.5	8.0	16.0	6.5	12.5	4.0
28	11.0	3.5	10.0	6.0	14.5	8.5	20.0	10.0	17.0	7.0	13.0	5.5
29	10.5	2.0	13.5	5.0	14.0	7.5	19.0	9.0	17.5	8.0	11.5	5.0
30	12.5	2.0	14.5	3.5	14.5	7.5	18.5	7.0	18.5	8.5	11.0	5.5
31	---	---	14.5	4.0	---	---	19.0	8.5	18.0	8.0	---	---
MONTH	14.0	2.0	14.5	1.5	18.0	3.0	21.0	6.5	20.0	6.5	18.5	2.5

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/–2.5 DEGREES, FNU
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	12	4.1	6.0	46	3.7	9.6	13	5.9	8.5	33	7.5	12
2	19	4.1	6.3	96	3.8	15	9.5	4.8	6.5	39	8.4	16
3	10	4.2	5.8	20	4.7	8.7	7.5	4.0	5.2	8.7	2.3	5.2
4	14	3.4	5.6	120	3.2	15	15	3.6	6.6	5.9	2.5	3.2
5	9.4	2.8	5.2	25	6.2	9.6	40	9.3	15	9.2	2.2	3.1
6	18	3.7	5.2	43	3.3	8.6	130	10	26	16	3.0	7.8
7	14	3.9	5.3	16	4.6	6.6	69	6.9	12	110	14	23
8	13	3.2	5.1	30	4.0	6.5	23	3.9	7.9	40	14	21
9	11	3.2	5.2	28	5.7	8.7	56	3.7	11	26	9.9	13
10	12	3.4	5.0	24	4.6	8.3	63	7.5	15	22	8.1	11
11	13	3.2	4.3	58	4.2	10	45	4.7	9.8	18	7.0	9.4
12	10	2.9	4.2	23	3.2	7.3	80	3.6	11	18	6.3	9.0
13	14	2.6	4.2	18	4.6	5.9	15	6.1	8.3	13	5.1	8.1
14	9.4	2.3	4.1	12	4.0	5.7	25	6.2	10	18	6.0	8.3
15	16	2.8	4.1	12	3.7	5.1	13	3.3	4.6	15	5.3	7.8
16	9.3	3.0	4.3	9.8	3.4	4.6	18	3.0	5.4	41	5.8	8.6
17	9.5	2.0	4.2	9.8	3.2	4.7	23	2.7	4.2	49	3.7	6.8
18	13	3.0	4.4	8.8	3.3	4.5	43	3.1	6.7	18	4.9	7.2
19	11	3.1	4.4	17	3.4	4.5	90	8.3	11	14	4.7	6.3
20	9.5	2.9	4.0	17	3.6	5.0	28	9.5	16	15	4.2	5.7
21	7.4	1.8	4.0	8.6	3.3	4.6	18	5.9	8.5	100	4.2	6.4
22	17	2.8	4.4	13	3.0	4.2	34	5.0	11	19	2.9	4.5
23	11	2.6	4.2	16	3.3	5.9	20	4.4	7.3	16	2.2	5.3
24	14	2.4	4.2	28	4.1	8.5	140	5.7	19	63	6.4	13
25	20	2.6	3.9	24	3.5	8.0	22	6.0	9.8	24	3.9	7.4
26	15	2.1	3.7	30	3.1	5.9	30	2.9	5.8	95	2.6	9.8
27	17	2.1	3.6	19	2.4	11	25	2.4	3.6	17	6.9	9.4
28	18	2.3	4.0	130	9.5	16	49	2.1	7.8	16	5.1	7.2
29	23	2.4	5.3	23	8.3	13	20	6.5	12	16	4.7	6.3
30	8.8	2.1	4.1	17	6.9	10	210	11	30	15	4.9	6.7
31	32	3.4	12	---	---	---	28	9.9	15	94	4.3	8.1
MAX	32	4.2	12	130	9.5	16	210	11	30	110	14	23
MIN	7.4	1.8	3.6	8.6	2.4	4.2	7.5	2.1	3.6	5.9	2.2	3.1

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10345490 GRAY CREEK NEAR FLORISTON, CA—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/–2.5 DEGREES, FNU

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	FEBRUARY			MARCH			APRIL			MAY		
1	89	4.6	7.8	17	4.9	6.8	37	12	17	200	22	41
2	35	5.1	8.0	17	4.5	5.8	28	12	15	960	27	62
3	30	2.6	5.6	35	4.3	7.2	30	11	16	420	56	120
4	19	3.3	5.3	23	4.3	6.5	130	15	32	980	53	120
5	46	2.3	4.5	15	3.5	5.5	75	20	34	390	63	130
6	250	2.1	9.8	25	4.4	6.7	60	23	30	140	49	76
7	54	3.2	6.3	79	7.8	14	49	16	24	100	37	53
8	31	1.7	3.5	160	14	28	68	16	23	80	31	48
9	22	1.5	3.0	190	24	48	56	16	26	87	28	42
10	19	1.7	4.4	120	30	45	44	18	28	110	24	32
11	17	1.7	4.7	46	20	29	45	15	23	38	19	25
12	16	1.9	4.6	56	17	29	66	16	24	120	17	23
13	48	1.8	7.9	84	21	33	34	16	23	82	17	25
14	360	4.1	13	140	22	40	26	13	17	68	15	24
15	22	4.8	8.2	140	30	57	22	11	14	74	17	25
16	430	6.8	19	96	34	54	20	9.8	12	73	14	23
17	170	18	33	270	29	49	17	8.4	11	51	17	27
18	58	11	18	230	30	53	17	7.3	10	33	15	21
19	38	8.9	14	210	38	63	17	6.3	9.3	35	14	19
20	52	6.6	10	260	34	56	23	6.5	9.3	36	14	21
21	22	5.7	8.0	420	48	93	15	6.2	8.3	54	13	19
22	19	4.4	7.1	670	60	100	17	3.5	7.7	37	13	20
23	15	4.8	6.4	270	56	81	28	4.0	8.4	42	12	19
24	27	3.7	5.9	75	31	43	66	5.6	11	38	12	22
25	240	3.9	39	55	24	31	89	6.5	19	31	12	17
26	61	9.7	22	42	18	24	190	11	27	42	12	16
27	95	5.9	12	110	15	20	330	21	51	160	15	27
28	23	6.7	9.0	39	12	18	170	31	55	100	28	40
29	23	4.9	8.0	46	11	17	52	22	30	60	20	29
30	---	---	---	41	13	22	100	16	25	91	19	31
31	---	---	---	55	15	22	---	---	---	110	23	37
MAX	430	18	39	670	60	100	330	31	55	980	63	130
MIN	15	1.5	3.0	15	3.5	5.5	15	3.5	7.7	31	12	16

	JUNE			JULY			AUGUST			SEPTEMBER		
1	120	25	43	39	5.2	11	12	2.6	4.5	8.9	2.0	2.9
2	120	28	52	26	7.5	10	14	2.7	4.3	18	1.5	2.9
3	83	30	46	17	6.6	9.3	20	2.2	3.9	15	1.7	2.7
4	84	30	47	25	6.1	9.1	25	2.5	4.2	13	1.4	2.6
5	68	27	42	18	6.7	8.6	17	2.7	4.0	6.6	1.5	2.6
6	87	25	37	32	5.5	8.5	11	2.4	4.0	8.6	1.3	2.5
7	61	27	37	19	5.8	8.3	19	2.3	4.0	5.3	1.4	2.4
8	43	22	27	25	5.4	7.6	19	2.7	4.1	9.3	1.4	2.4
9	45	20	24	16	5.1	7.2	19	2.7	4.1	14	1.4	2.6
10	31	17	21	15	4.1	6.3	16	2.4	4.4	19	1.5	2.7
11	32	12	19	13	4.1	6.2	9.2	2.6	4.0	23	1.7	2.8
12	31	14	19	12	4.3	6.2	25	1.9	4.0	9.8	1.4	2.7
13	40	13	18	13	4.2	6.5	14	2.7	3.9	14	1.5	2.4
14	93	13	19	34	3.6	6.0	14	1.8	3.9	11	1.3	2.7
15	52	13	19	14	3.8	5.8	10	2.6	4.5	12	1.4	3.1
16	52	13	21	19	4.0	5.8	22	2.1	3.7	20	2.1	3.2
17	40	13	21	31	3.9	5.8	16	1.3	3.6	13	2.2	3.2
18	91	13	18	22	3.3	5.4	14	2.2	3.4	12	1.9	3.0
19	88	13	19	15	3.5	5.5	12	2.2	3.6	14	1.8	2.8
20	67	13	18	25	3.4	4.8	16	2.4	3.5	14	1.5	3.2
21	36	12	18	45	2.7	5.5	12	2.0	3.3	12	1.4	2.6
22	86	13	17	22	3.8	5.7	14	2.3	3.4	15	1.1	2.3
23	50	11	16	27	3.0	5.2	48	1.9	3.1	8.0	1.5	2.3
24	37	12	14	31	3.6	6.1	11	1.9	3.2	8.4	1.5	2.4
25	29	10	14	50	3.2	5.6	14	1.8	3.3	14	1.5	2.4
26	43	10	16	15	2.8	5.2	19	1.7	3.0	7.9	1.2	2.3
27	40	7.2	15	15	2.9	4.9	18	1.5	3.2	14	1.3	2.2
28	69	6.8	12	16	3.1	4.8	18	1.8	3.0	24	1.4	2.3
29	66	7.9	14	14	2.8	4.8	15	1.8	3.0	25	1.1	2.5
30	95	6.3	12	19	2.0	4.3	20	1.3	3.1	13	1.2	2.6
31	---	---	---	20	2.7	4.7	25	1.9	3.0	---	---	---
MAX	120	30	52	50	7.5	11	48	2.7	4.5	25	2.2	3.2
MIN	29	6.3	12	12	2.0	4.3	9.2	1.3	3.0	5.3	1.1	2.2

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
07...	1310	9.5	11.5	23	.59
NOV					
12...	1340	9.5	3.0	48	1.2
DEC					
19...	1030	8.0	1.0	40	.86
JAN					
15...	1300	8.5	2.5	24	.55
FEB					
05...	1410	18	.0	148	7.2
MAR					
04...	1350	10	5.5	26	.70
APR					
06...	1420	27	9.5	86	6.3
MAY					
03...	1450	41	13.5	198	22
JUN					
07...	1310	42	11.5	72	8.2
30...	1545	20	13.5	20	1.1
JUL					
21...	1350	14	18.5	9	.34
AUG					
31...	1445	9.0	18.0	4	.10

CROSS-SECTIONAL DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Depth at sample location, feet (81903)	Sampling depth, feet (00003)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Location in X-sect. looking dwnstrm ft from l bank (00009)
AUG								
31...*	1425	.60	.30	4.9	8.4	137	18.0	9.00
31...*	1426	.40	.30	5.6	8.4	137	18.0	8.00
31...*	1427	.60	.30	6.4	8.4	137	18.0	7.00
31...*	1428	.55	.30	13	8.4	137	18.0	6.00
31...*	1429	.65	.30	11	8.4	137	18.0	5.00
31...*	1430	.64	.30	5.3	8.4	137	18.0	4.00
31...*	1431	.70	.30	1.8	8.4	137	18.0	3.00
31...*	1432	.80	.30	1.6	8.4	137	18.0	2.00
31...*	1433	.85	.30	1.5	8.4	137	18.0	1.00
31...*	1434	.71	.30	4.0	8.4	137	18.0	.00

* Instantaneous discharge at the time of cross-sectional measurements: Aug. 31, 9.5 ft^3/s.

10346000 TRUCKEE RIVER AT FARAD, CA

LOCATION.—Lat 39°25'41", long 120°01'59", in SE ¼ NE ¼ sec.12, T.18 N., R.17 E., Nevada County, Hydrologic Unit 16050102, on left bank, 0.5 mi upstream from Mystic Canyon, 0.7 mi downstream from Farad Powerplant, 2.5 mi north of Floriston, and 3.5 mi upstream from California–Nevada State line.

DRAINAGE AREA.—932 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March to October 1890 (monthly discharge only), September 1899 to current year. Monthly discharge only for January 1944 to July 1957, published in WSP 1734. Published as "near Boca," March to October 1890, "at or near Nevada–California State Line," September 1899 to August 1912, and as "at Iceland," August 1912 to December 1937.

CHEMICAL DATA: Water years 1951–61, 1964–81. Published as "Truckee River at Floriston" (station 10345900) January 1964 to September 1971.

BIOLOGICAL DATA: Water years 1975–77.

SPECIFIC CONDUCTANCE: Water years 1964–80, 1993–98.

WATER TEMPERATURE: Water years 1964–81, 1993–98.

SUSPENDED SEDIMENT: Water years 1974, 1978.

REVISED RECORDS.—WSP 1714: Drainage area. WDR CA-88-3: 1906–07 (monthly runoff).

GAGE.—Water-stage recorder. Datum of gage is 5,153.21 ft above NGVD of 1929 (U.S. Bureau of Reclamation benchmark). See WSP 2127 for history of changes prior to Aug. 26, 1957.

REMARKS.—Records fair. Flow regulated by Lake Tahoe and Donner, Martis Creek, and Independence Lakes, and Prosser Creek, Stampede, and Boca Reservoirs (stations 10337000, 10338400, 10339380, 10342900, 10340300, 10344300, and 10344490, respectively), and by several powerplants. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 17,500 ft^3/s, Nov. 21, 1950, gage height, 14.5 ft, present datum, from floodmarks, from slope-area measurement of peak flow; minimum, 37 ft^3/s, Sept. 15, 1933.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	466	376	220	341	234	362	734	753	893	557	557	505
2	452	358	227	336	241	356	709	797	903	553	559	501
3	450	389	292	354	245	342	722	870	878	549	551	503
4	446	439	264	330	243	344	765	923	788	551	555	504
5	440	487	211	302	232	351	824	961	719	550	555	495
6	439	466	210	310	234	355	848	921	708	555	549	499
7	445	449	440	313	237	372	789	975	706	557	544	506
8	437	433	285	315	229	384	806	993	637	555	538	493
9	437	429	342	329	233	412	807	984	620	552	542	501
10	437	414	337	335	237	476	779	968	593	544	541	505
11	440	399	327	332	228	534	760	927	586	549	520	499
12	439	387	304	308	228	550	765	905	581	553	521	493
13	445	381	272	280	226	572	787	890	579	558	518	494
14	440	390	230	261	226	595	742	896	601	555	518	499
15	424	387	214	261	223	658	697	884	584	554	522	512
16	405	380	218	260	242	728	690	859	550	559	523	609
17	402	372	214	257	482	779	669	851	548	560	516	644
18	399	367	210	257	444	810	631	849	542	557	504	630
19	395	363	230	254	421	854	649	815	531	559	501	628
20	399	365	235	255	412	875	692	852	544	562	498	620
21	400	361	250	259	389	922	715	894	571	564	494	600
22	399	348	243	245	376	997	740	901	566	559	493	566
23	398	343	239	244	368	1080	734	919	561	560	495	381
24	395	353	279	250	360	1050	745	870	556	564	502	214
25	389	347	353	243	411	987	775	793	548	558	492	178
26	393	342	298	236	492	889	822	750	542	556	491	167
27	389	335	261	241	452	779	871	822	543	556	501	158
28	388	334	261	243	402	755	897	991	566	560	504	146
29	386	311	282	239	374	763	824	869	568	553	500	134
30	395	254	315	240	---	801	735	849	556	548	496	126
31	438	---	350	237	---	760	---	867	---	553	498	---
TOTAL	13007	11359	8413	8667	9121	20492	22723	27398	18668	17220	16098	13310
MEAN	420	379	271	280	315	661	757	884	622	555	519	444
MAX	466	487	440	354	492	1080	897	993	903	564	559	644
MIN	386	254	210	236	223	342	631	750	531	544	491	126
AC-FT	25800	22530	16690	17190	18090	40650	45070	54340	37030	34160	31930	26400

10346000 TRUCKEE RIVER AT FARAD, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	387	420	528	592	654	798	1262	1706	1254	658	513	469
MAX	982	2469	3596	6115	3254	4073	3887	5674	5214	2921	1084	1482
(WY)	1972	1984	1984	1997	1997	1986	1952	1952	1983	1983	1975	1983
MIN	51.0	55.6	80.4	77.7	85.3	142	369	349	142	53.9	53.9	47.3
(WY)	1978	1991	1991	1991	1933	1933	1977	1934	1931	1931	1931	1933

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1909 - 2004	
ANNUAL TOTAL	194505		186476			
ANNUAL MEAN	533		509		764	
HIGHEST ANNUAL MEAN					2443	1983
LOWEST ANNUAL MEAN					184	1931
HIGHEST DAILY MEAN	1400	May 30	1080	Mar 23	13400	Dec 23 1955
LOWEST DAILY MEAN	210	Dec 6	126	Sep 30	37	Sep 15 1933
ANNUAL SEVEN-DAY MINIMUM	222	Dec 14	160	Sep 24	40	Sep 9 1933
MAXIMUM PEAK FLOW			1120	Mar 23	17500	Nov 21 1950
MAXIMUM PEAK STAGE			4.68	Mar 23	14.50	Nov 21 1950
ANNUAL RUNOFF (AC-FT)	385800		369900		553200	
10 PERCENT EXCEEDS	869		850		1660	
50 PERCENT EXCEEDS	504		499		505	
90 PERCENT EXCEEDS	292		241		209	

10346000 TRUCKEE RIVER AT FARAD, CA—Continued

PRECIPITATION RECORDS

PERIOD OF RECORD.— April 1999 to current year.

INSTRUMENTATION.—Recording-weighing gage.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily precipitation, 2.03 in., Dec. 16, 2002; no precipitation for many days in each year.

EXTREMES FOR CURRENT YEAR.—Maximum daily precipitation, 1.64 in., Dec. 6; no precipitation for many days.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.03	0.37	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.04	0.25	0.25	0.10	0.00	0.00	0.09	0.00	0.00	0.00
3	0.00	0.00	0.06	0.04	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.03	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	1.64	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.23	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.25	0.00	0.03	0.00	0.00	0.00	0.00	0.27	0.04	0.00	0.00
10	0.00	0.04	0.67	0.00	0.00	0.00	0.00	0.07	0.05	0.00	0.00	0.00
11	0.00	0.00	0.08	0.00	0.03	0.00	0.00	0.39	0.03	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.08	0.00	0.00	0.00
13	0.00	0.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.08	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
16	0.00	0.08	0.03	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.06	0.00	0.00
19	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.06	0.10	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.06	0.03	0.06	0.00	0.04	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.04	0.00	0.00	0.00	0.00
23	0.00	0.00	0.03	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	1.21	0.04	0.08	0.00	0.00	0.00	0.00	0.28	0.00	0.00
25	0.00	0.00	0.10	0.00	1.35	0.42	0.00	0.05	0.00	0.00	0.14	0.00
26	0.00	0.00	0.12	0.00	0.69	0.00	0.00	0.00	0.00	0.14	0.00	0.00
27	0.00	0.00	0.00	0.03	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.07	0.03	0.07	0.00	0.00	0.03	0.00	0.00	0.00	0.00
29	0.00	0.00	0.54	0.04	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.17	0.03	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.03	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	0.53	5.80	1.02	4.10	0.65	0.13	0.61	0.52	0.52	0.17	0.00

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10347310 DOG CREEK AT VERDI, NV

LOCATION.--Lat 39°31'28", long 119°59'40" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec. 07, T.19 N., R.18 E., Washoe County, Hydrologic Unit 16050102, On the right bank, and 500 feet above confluence with the Truckee River.

DRAINAGE AREA.--24.2 mi^2.

PERIOD OF RECORD.--November 1992 to September 1998; April 10 to September 2004

GAGE.--Water-stage recorder. Elevation of gage is 4,900 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,500 ft^3/s, January 1, 1997, gage height, 8.82 ft; minimum daily, 0.30 ft^3/s, June 30, July 1, 2, 14, 15, 18.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 40 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
April 9	1415	*5.7	*4.44				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e1.9	0.59	0.45	0.38	0.44
2	---	---	---	---	---	---	---	e1.8	0.57	0.43	0.39	0.45
3	---	---	---	---	---	---	---	e1.7	0.54	0.43	0.41	0.48
4	---	---	---	---	---	---	---	e1.5	0.52	0.41	0.41	0.49
5	---	---	---	---	---	---	---	e1.4	0.49	0.40	0.41	0.48
6	---	---	---	---	---	---	---	1.4	0.49	0.38	0.41	0.46
7	---	---	---	---	---	---	---	1.5	0.48	0.37	0.41	0.46
8	---	---	---	---	---	---	---	1.7	0.56	0.38	0.40	0.46
9	---	---	---	---	---	---	---	e1.5	0.65	0.38	0.40	0.46
10	---	---	---	---	---	---	4.8	e1.4	0.61	0.38	0.39	0.46
11	---	---	---	---	---	---	e4.2	e1.3	0.55	0.38	0.39	0.46
12	---	---	---	---	---	---	e4.1	e1.3	0.52	0.37	0.41	0.46
13	---	---	---	---	---	---	e3.9	e1.4	0.47	0.37	0.46	0.47
14	---	---	---	---	---	---	e3.8	e1.3	0.45	0.37	0.49	0.50
15	---	---	---	---	---	---	e3.6	e1.2	0.42	0.36	0.47	0.50
16	---	---	---	---	---	---	e3.5	e1.1	0.42	0.37	0.50	0.49
17	---	---	---	---	---	---	e3.4	e1.0	0.48	0.37	0.46	0.49
18	---	---	---	---	---	---	e3.2	e1.0	0.51	0.38	0.44	0.50
19	---	---	---	---	---	---	e3.1	e0.90	0.46	0.39	0.48	0.52
20	---	---	---	---	---	---	e3.0	e0.90	0.45	0.39	0.53	0.57
21	---	---	---	---	---	---	3.0	e0.80	0.44	0.39	0.48	0.56
22	---	---	---	---	---	---	3.0	0.96	0.43	0.39	0.47	0.55
23	---	---	---	---	---	---	3.0	0.82	0.42	0.39	0.48	0.52
24	---	---	---	---	---	---	3.0	0.74	0.41	0.40	0.47	0.54
25	---	---	---	---	---	---	2.6	0.75	0.40	0.41	0.46	0.54
26	---	---	---	---	---	---	e2.6	0.71	0.40	0.40	0.49	0.55
27	---	---	---	---	---	---	e2.5	0.69	0.42	0.39	0.49	0.54
28	---	---	---	---	---	---	e2.3	0.72	0.43	0.38	0.48	0.55
29	---	---	---	---	---	---	e2.2	0.74	0.44	0.37	0.46	0.56
30	---	---	---	---	---	---	e2.1	0.70	0.46	0.38	0.46	0.58
31	---	---	---	---	---	---	---	0.63	---	0.38	0.45	---
TOTAL	---	---	---	---	---	---	---	35.46	14.48	12.04	13.83	15.09
MEAN	---	---	---	---	---	---	---	1.14	0.48	0.39	0.45	0.50
MAX	---	---	---	---	---	---	--	1.9	0.65	0.45	0.53	0.58
MIN	---	---	---	---	---	---	--	0.63	0.40	0.36	0.38	0.44
AC-FT	---	---	---	---	---	---	---	70	29	24	27	30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	1.16	1.64	7.90	20.9	19.5	55.1	34.6	14.1	4.61	1.31	0.65	0.79
MAX	1.41	2.18	37.8	90.6	59.1	98.0	63.6	40.5	12.9	2.49	0.93	1.19
(WY)	(1997)	(1997)	(1997)	(1997)	(1996)	(1993)	(1993)	(1995)	(1995)	(1995)	(1996)	(1998)
MIN	0.78	1.24	1.22	1.27	1.78	2.21	1.36	1.14	0.48	0.35	0.44	0.50
(WY)	(1995)	(1995)	(1994)	(1994)	(1994)	(1994)	(1994)	(2004)	(2004)	(1994)	(1994)	(2004)

SUMMARY STATISTICS	WATER YEARS 1993 - 2004	
ANNUAL MEAN	13.2	
HIGHEST ANNUAL MEAN	19.6	1995
LOWEST ANNUAL MEAN	1.14	1994
HIGHEST DAILY MEAN	1,200	Jan 1, 1997
LOWEST DAILY MEAN	0.30	Jun 30, 1994
ANNUAL SEVEN-DAY MINIMUM	0.31	Jun 27, 1994
MAXIMUM PEAK FLOW	2,500	Jan 1, 1997
MAXIMUM PEAK STAGE	8.82	Jan 1, 1997
ANNUAL RUNOFF (AC-FT)	9,560	
10 PERCENT EXCEEDS	36	
50 PERCENT EXCEEDS	1.8	
90 PERCENT EXCEEDS	0.70	

e Estimated

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10347460 TRUCKEE RIVER NEAR MOGUL, NV

LOCATION.--Lat 39°30'26", long 119°55'51" referenced to North American Datum of 1927, in SW ¼ SW ¼ sec. 14, T.19 N., R.18 E., Washoe County, Hydrologic Unit 16050102, on left bank, at bridge crossing,0.5 mi southwest of Mogul, and at mi 68.74, upstream from Marble Bluff Dam.

DRAINAGE AREA.--1,035. mi^2.

PERIOD OF RECORD.--February 1993 to September 1995, October 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,690 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lake Tahoe (station 10337000), Martis Creek Lake (station 10339380), Prosser Creek (station 103403000, Stampede (station 10344300) and Boca (station 10344490) Reservoirs, Donner (station 10338400) and Independence (station 10342900) Lakes, and several power plants. Many diversions above station. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,500 ft^3/s, January 2, 1997, gage height, 15.85 ft; minimum daily, 2.4 ft^3/s, October 30, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,190 ft^3/s, March 24, gage height, 7.10 ft; minimum daily discharge, 69 ft^3/s, September 29.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	401	319	198	305	262	386	752	630	814	432	422	370
2	366	275	199	279	268	390	723	668	825	424	430	371
3	365	305	252	305	272	370	733	746	795	417	420	371
4	362	345	242	311	272	367	774	797	709	415	419	375
5	354	419	172	313	263	376	818	857	631	419	422	359
6	352	400	153	332	261	387	837	815	616	422	413	357
7	353	381	393	305	269	405	758	859	621	426	412	363
8	347	364	255	298	261	426	752	884	548	423	409	358
9	346	360	302	333	262	452	748	882	528	424	410	363
10	341	351	304	340	264	512	721	862	502	409	414	367
11	350	330	293	339	258	583	698	819	484	419	396	385
12	344	322	275	327	252	597	701	816	477	415	395	422
13	350	313	251	298	260	619	723	817	474	422	395	419
14	350	322	221	281	257	647	696	823	488	422	398	395
15	338	324	194	283	252	704	705	808	490	420	400	358
16	313	318	196	279	278	782	694	786	443	418	403	434
17	308	314	194	279	495	823	673	770	441	422	395	493
18	308	311	188	278	495	838	635	780	436	417	380	483
19	308	307	203	277	447	907	612	773	418	417	375	482
20	306	308	209	276	430	933	632	762	421	417	381	475
21	311	306	221	283	408	972	644	810	449	423	371	456
22	305	291	219	272	393	1,050	681	818	448	415	364	434
23	311	290	214	269	384	1,8(78)-345449444(27(22)8(1)-3451(23444(39)8(418)-3444(40)8(0)-3451(41)8(3)]TJ2TD[(1)8(4)						

10347460 TRUCKEE RIVER NEAR MOGUL, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	173,861		164,642			
ANNUAL MEAN	476		450		780	
HIGHEST ANNUAL MEAN					1,707	1997
LOWEST ANNUAL MEAN					297	1994
HIGHEST DAILY MEAN	1,340	May 30	1,140	Mar 23	15,200	Jan 2, 1997
LOWEST DAILY MEAN	153	Dec 6	69	Sep 29	2.4	Oct 30, 1994
ANNUAL SEVEN-DAY MINIMUM	201	Dec 14	102	Sep 24	3.3	Oct 29, 1994
MAXIMUM PEAK FLOW			1,190	Mar 24	17,500	Jan 2, 1997
MAXIMUM PEAK STAGE			7.10	Mar 24	15.85	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	344,900		326,600		565,400	
10 PERCENT EXCEEDS	819		786		1,830	
50 PERCENT EXCEEDS	380		396		480	
90 PERCENT EXCEEDS	286		261		170	

PERIOD OF RECORD.--October 1998 to March 2003, June 2003 to current year.

INSTRUMENTATION.--Recording-weighing gage since October 15, 1998.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily precipitation, 1.69 in., January 24, 2000; no precipitation most days.

EXTREMES FOR CURRENT YEAR.--Maximum daily precipitation, 1.03 in., December 6; no precipitation most days.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.06	0.04	0.26	0.00	>0.09	0.00	0.00	0.00	0.00	0.00	0.00
2	0.04	0.00	0.00	0.00	0.12	>0.04	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	1.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	>0.06	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.01	>0.03	0.01	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
9	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00
10	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.08	0.01	0.00	0.00	0.00
11	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00
12	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
14	0.00	0.04	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.01	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.10	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
20	0.00	0.00	0.23	0.09	0.00	0.00	0.01	0.00	0.00	0.00	0.06	0.06
21	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.91	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.83	0.21	0.00	0.00	0.00	0.21	0.00	0.00
26	0.00	0.00	0.02	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.01	0.03	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.04	0.22	3.64	0.50	1.69	0.34	0.01	0.14	0.29	0.21	0.11	0.06

WTR YR 2004 TOTAL 7.25

> Actual value is known to be greater than the value shown

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10347600 HUNTER CREEK NEAR RENO, NV

LOCATION (REVISED).--Lat 39°29'27.3", long 119°53'58.77" referenced to North American Datum of 1983, in SW ¼ SW ¼ sec. 14, T.19 N., R.19 E., Washoe County, Hydrologic Unit 16050102, on left bank, 0.6 mi upstream from mouth, and 5 mi southwest of Reno.

DRAINAGE AREA.--11.5 mi^2.

PERIOD OF RECORD.--October 1961 to September 1971, October 1977 to September 1981, October 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,000 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 2002, at site 300 ft upstream at different datum.

REMARKS.--Records fair. Present gage location is downstream of Streamboat Ditch and diversion to Hunter Creek Reservoir. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 986 ft^3/s, January 31, 1963, gage height, 6.93 ft, from floodmarks, from rating curve extended above 54 ft^3/s, on basis of slope area measurement of peak flow; minimum daily, 1.5 ft^3/s, March 4, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 94 ft^3/s, April 27, gage height, 9.31 ft; minimum daily discharge, 1.5 ft^3/s, March 4.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	2.8	2.8	3.4	2.3	1.7	5.6	7.9	6.1	3.8	2.9	3.0
2	5.8	2.6	2.7	3.6	2.0	1.8	4.8	9.6	5.9	4.0	2.8	3.0
3	4.7	3.5	2.6	e5.0	2.0	1.6	4.9	7.2	5.7	3.8	3.0	3.1
4	3.1	2.9	2.5	e5.0	2.0	1.5	5.5	7.9	5.8	3.4	3.0	3.2
5	2.9	3.9	3.4	4.4	e3.0	1.7	6.1	8.2	5.5	3.2	3.0	3.2
6	2.8	3.6	4.9	4.8	e3.0	2.7	6.1	8.4	5.3	3.2	3.0	3.1
7	2.7	3.9	5.3	3.6	2.1	2.3	5.9	8.6	5.3	3.3	2.9	3.0
8	2.5	3.9	3.6	3.3	e3.0	2.9	6.2	8.8	5.4	3.3	2.8	2.9
9	2.4	4.0	4.0	3.0	2.5	3.2	6.6	9.2	6.1	3.3	2.8	2.9
10	2.6	3.8	4.6	2.8	e3.0	3.1	6.8	9.4	5.8	3.3	2.8	2.9
11	2.6	3.4	4.3	2.8	e3.0	2.5	6.8	9.7	5.2	3.2	3.0	2.9
12	2.6	3.7	4.3	2.7	e3.0	2.5	7.2	9.3	5.0	3.2	3.3	2.9
13	2.7	3.6	4.7	2.6	e3.0	2.3	7.4	8.8	4.9	3.2	3.5	2.8
14	2.7	3.4	4.5	2.5	2.1	3.1	6.7	8.9	4.8	3.1	3.6	2.9
15	2.6	3.4	2.8	2.6	2.2	3.5	6.3	8.5	4.7	3.0	3.7	2.9
16	2.8	3.1	4.4	2.6	4.4	3.3	6.1	8.5	4.7	2.9	3.9	2.6
17	2.6	3.2	4.7	2.6	4.4	4.2	6.0	8.1	4.9	2.9	3.7	2.5
18	2.2	3.1	4.2	2.7	3.4	5.4	5.5	8.0	4.7	3.0	3.4	2.6
19	2.3	3.2	4.2	2.6	2.8	5.5	5.3	8.2	4.3	3.0	3.2	2.8
20	2.3	3.3	4.4	2.8	2.4	5.5	5.1	8.1	4.1	3.0	3.3	3.2
21	2.3	3.2	4.3	2.3	2.3	6.3	5.0	8.1	4.1	3.0	3.2	3.1
22	2.2	1.6	4.0	e3.0	2.2	7.0	4.9	7.6	4.0	3.1	3.3	3.0
23	2.2	1.7	4.2	e3.0	2.1	7.2	5.0	7.4	3.8	3.2	3.4	3.0
24	2.2	3.3	6.1	2.2	1.9	6.6	5.7	7.1	3.7	3.3	3.4	3.7
25	2.2	3.9	5.2	1.9	3.4	5.7	6.5	6.8	4.0	3.3	3.2	3.1
26	2.2	2.7	3.0	e3.0	3.5	5.0	7.2	6.5	5.6	3.1	3.3	3.0
27	2.1	3.0	6.4	2.2	2.1	4.6	37	6.7	4.9	2.9	3.3	3.1
28	2.1	2.9	3.7	2.0	1.9	4.4	70	7.1	4.4	2.9	3.2	3.1
29	2.5	3.1	5.3	2.0	1.7	4.8	13	6.7	4.1	2.8	3.1	2.9
30	3.0	2.9	4.4	2.1	---	5.3	4.9	6.3	3.9	2.9	3.1	2.2
31	3.6	---	3.4	1.9	---	6.0	---	e6.3	---	2.9	3.1	---
TOTAL	87.0	96.6	128.9	91.0	76.7	123.2	280.1	247.9	146.7	98.5	99.2	88.6
MEAN	2.81	3.22	4.16	2.94	2.64	3.97	9.34	8.00	4.89	3.18	3.20	2.95
MAX	5.8	4.0	6.4	5.0	4.4	7.2	70	9.7	6.1	4.0	3.9	3.7
MIN	2.1	1.6	2.5	1.9	1.7	1.5	4.8	6.3	3.7	2.8	2.8	2.2
AC-FT	173	192	256	180	152	244	556	492	291	195	197	176

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2004, BY WATER YEAR (WY)

MEAN	5.30	5.34	5.47	6.33	6.03	5.86	8.74	19.9	22.9	12.3	6.86	5.61
MAX	7.40	7.57	12.1	12.7	14.1	8.68	15.6	43.6	46.7	27.9	11.2	7.96
(WY)	(1968)	(1964)	(1965)	(1963)	(1963)	(1967)	(1965)	(1969)	(1967)	(1967)	(1965)	(1965)
MIN	2.81	3.22	3.07	2.94	2.64	3.53	3.85	8.00	4.89	3.18	2.75	2.41
(WY)	(2004)	(2004)	(1962)	(2004)	(2004)	(2003)	(2003)	(2004)	(2004)	(2004)	(1981)	(1981)

10347600 HUNTER CREEK NEAR RENO, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1962 - 2004	
ANNUAL TOTAL	1,872.6		1,564.4			
ANNUAL MEAN	5.13		4.27		9.23	
HIGHEST ANNUAL MEAN					14.5	1969
LOWEST ANNUAL MEAN					4.27	2004
HIGHEST DAILY MEAN	30	May 30	70	Apr 28	230	Jan 31, 1963
LOWEST DAILY MEAN	1.6	Nov 22	1.5	Mar 4	1.5	Mar 4, 2004
ANNUAL SEVEN-DAY MINIMUM	2.2	Oct 22	1.7	Feb 28	1.7	Feb 28, 2004
MAXIMUM PEAK FLOW			94	Apr 27		
MAXIMUM PEAK STAGE			9.31	Apr 27		
ANNUAL RUNOFF (AC-FT)	3,710		3,100		6,690	
10 PERCENT EXCEEDS	6.7		6.7		19	
50 PERCENT EXCEEDS	4.0		3.3		6.2	
90 PERCENT EXCEEDS	2.9		2.3		3.8	

e Estimated

10347699 TRUCKEE RIVER AT CHALK BLUFF TREATMENT PLANT INTAKE NEAR RENO, NV

LOCATION.--Lat 39°30'38", long 119°51'59" referenced to North American Datum of 1927, NW ¼ SE ¼ sec.17, T.19 N., R.19 E., Washoe County, Hydrologic Unit 16050102, at Chalk Bluff Treatment Plant Intake, about 0.4 mi upstream from McCarren Bridge, and about 4.3 mi upstream of U.S. Highway 395.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--December 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,850 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--In December 2002, station incorporated into the National Water-Quality Assessment Program (NAWQA) to monitor water-quality conditions in the Pyramid and Winnemucca Lakes Basin. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)
OCT												
15...	1010	Environmental	E332	646	9.9	107	7.2	134	23.0	11.4	42	51
NOV												
05...	1000	Environmental	E434	646	10.5	102	7.7	117	10.0	7.1	41	50
24...	0930	Environmental	E304	644	11.7	103	7.6	129	--	3.1	46	56

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	[a]2,4,5-T surrog, water, fltrd, percent recovry (99958)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-[(2-Et-6-Me-Ph)-amino]propan-1-ol, ug/L (61615)	2Chloro-2,6'-'diethylacetanilide wat flt ug/L (61618)
OCT													
15...	1.6	E2	<.5	<.5	<.09	94.1	<.009	<.02	<.02	<.006	<.5	<.1	<.005
NOV													
05...	1.8	E14	M	<.5	<.09	80.4	<.009	<.02	<.02	<.006	<.5	<.1	<.005
24...	1.8	E4	<.5	<.5	<.09	93.0	<.009	<.02	<.02	<.006	<.5	<.1	<.005

Date	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3,4-Dichloroaniline water fltrd, ug/L (61625)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Hydroxy carbofuran, wat flt 0.7u GF ug/L (49308)	3-Ketocarbofuran, water, fltrd, ug/L (50295)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4Chloro 2methylphenol, water, fltrd, ug/L (61633)	4-Cumylphenol, water, fltrd, ug/L (62060)
OCT													
15...	<.006	<.01	<.004	<.008	<.5	<.004	<2	<.006	<2	<1	<5	<.006	<1
NOV													
05...	<.006	<.04	<.004	<.008	<.5	<.004	<2	<.006	<2	<1	<5	<.006	<1
24...	<.006	<.04	<.004	<.008	<.5	<.004	<2	<.006	<2	<1	<5	<.006	<1

Date	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetochlor, water, fltrd, ug/L (49260)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Acifluorfen, water, fltrd 0.7u GF ug/L (49315)	Alachlor, water, fltrd, ug/L (46342)	Aldicarb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldicarb sulfoxide, wat flt 0.7u GF ug/L (49314)	Aldicarb, water, fltrd 0.7u GF ug/L (49312)
OCT													
15...	<1	E1	<1	<2	<.5	<.006	<.5	<.5	<.007	<.005	<.02	<.008	<.04
NOV													
05...	<1	<5	<1	<2	<.5	<.006	<.5	M	<.007	<.005	<.02	<.008	<.04
24...	<1	<5	<1	<2	<.5	<.006	<.5	<.5	<.007	<.005	<.02	<.008	<.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	[a]alpha-HCH-d6, surrog, Sch2003 wat flt percent recovry (99995)	Anthracene, water, fltrd, ug/L (34221)	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	[a]Barban, surrog, Sched. 2060/9060, wat flt pct rcv (90640)	Bendiocarb, water, fltrd, ug/L (50299)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensulfuron, water, fltrd, ug/L (61693)	Bentazon, water, fltrd 0.7u GF ug/L (38711)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)
OCT													
15...	80.9	<.5	<.007	<.02	<.050	126	<.03	<.010	<.004	<.02	<.01	<.5	<.5
NOV													
05...	96.6	<.5	<.007	<.03	<.050	96.6	<.03	<.010	<.004	<.02	<.01	<.5	<.5
24...	78.3	<.5	<.007	<.02	<.050	81.0	<.03	<.010	<.004	<.02	<.01	<.5	<.5

Date	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	[a]Bisphenol A-d3 sur Sch 2033 & 8033, wat flt pct rcv (99583)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Caffeine, water, fltrd, ug/L (50305)	[a]Caffeine-13C, surrog, wat flt percent recovry (99959)	[a]Caffeine-13C sur Sch 2033 & 8033, wat flt pct rcv (99584)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)
OCT													
15...	<2	<2	<1	65.2	<.03	<.02	<.5	70.4	104	<.5	<.03	<.041	<.5
NOV													
05...	<2	<2	<1	66.7	<.03	<.02	M	78.3	125	<.5	<.03	<.041	<.5
24...	<2	<2	<1	50.0	<.03	<.02	M	89.4	121	<.5	<.03	<.041	<.5

Date	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Chloramben methyl ester, water, fltrd, ug/L (61188)	Chlorimuron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-triazine, wat flt ug/L (04039)	Chlorothalonil, water, fltrd 0.7u GF ug/L (49306)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Clopyralid, water, fltrd 0.7u GF ug/L (49305)	Cotinine, water, fltrd, ug/L (62005)	Cycloate, water, fltrd, ug/L (04031)	Cyfluthrin, water, fltrd, ug/L (61585)
OCT													
15...	<.006	<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1.00	<.01	<.008
NOV													
05...	<.006	<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1.00	<.01	<.008
24...	<.006	<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1.00	<.01	<.008

Date	Cypermethrin water, fltrd, ug/L (61586)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water fltrd 0.7u GF ug/L (82682)	[a]DecaF-biphenl sur Sch 2033 & 8033, wat flt pct rcv (99585)	DEET, water, fltrd, ug/L (62082)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)	[a]Diazinon-d10 surrog, Sch2003 wat flt percent recovry (99994)	Dicamba water fltrd 0.7u GF ug/L (38442)	Dichlorprop, water, fltrd 0.7u GF ug/L (49302)	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)
OCT													
15...	<.009	<.01	<.003	73.9	E.1	<.012	<.01	<.005	97.4	<.01	<.01	<.08	<.009
NOV													
05...	<.009	<.01	<.003	83.3	E.1	<.012	<.01	<.005	94.0	<.01	<.01	<.08	<.009
24...	<.009	<.01	<.003	87.5	E.1	<.012	<.01	<.005	93.3	<.01	<.01	--	<.009

Date	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphenamid, water, fltrd, ug/L (04033)	Diuron, water, fltrd 0.7u GF ug/L (49300)	D-Limonene, water, fltrd, ug/L (62073)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)
OCT													
15...	<5	<1	<.006	<.01	<.03	<.01	<.5	<.03	<.004	<1	<.008	<.03	<.03
NOV													
05...	<5	<1	<.006	<.01	<.03	<.01	<.5	<.03	<.004	<1	<.008	<.03	<.03
24...	<5	<1	<.006	<.01	<.03	<.01	<.5	<.03	<.004	<1	<.008	<.03	<.03

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Flumet-sulam, water, fltrd, ug/L (61694)	Fluo-meturon water fltrd 0.7u GF ug/L (38811)	Fluor-anthene water, fltrd, ug/L (34377)	[a]Fluor-anthene -d10, sur Sch 20/8033 wat flt pct rcv (99586)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	HHCB, water, fltrd, ug/L (62075)	Hexa-zinone, water, fltrd, ug/L (04025)
OCT													
15...	<.03	<.029	<.013	<.024	<.016	<.01	<.03	<.5	104	<.002	<.003	<.5	<.013
NOV													
05...	<.03	<.029	<.013	<.024	<.016	<.01	<.03	<.5	125	<.002	<.003	<.5	<.013
24...	<.03	<.029	<.013	<.024	<.016	<.01	<.03	<.5	117	<.002	<.003	<.5	<.013

Date	Imaza-quin, water, fltrd, ug/L (50356)	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Indole, water, fltrd, ug/L (62076)	Ipro-dione, water, fltrd, ug/L (61593)	Isobor-neol, water, fltrd, ug/L (62077)	[a]Iso-butyl alcohol -d6, surrog, wat unf pct rcv (62835)	Isofen-phos, water, fltrd, ug/L (61594)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Linuron water fltrd 0.7u GF ug/L (38478)	Mala-oxon, water, fltrd, ug/L (61652)
OCT													
15...	<.02	<.02	<.007	<.5	<1	<.5	112	<.003	<.5	<.5	<.5	<.01	<.008
NOV													
05...	<.02	<.02	<.007	<.5	<1	<.5	107	<.003	<.5	<.5	<.5	<.01	<.008
24...	<.02	<.02	<.007	<.5	<1	<.5	130	<.003	<.5	<.5	<.5	<.01	<.008

Date	Mala-thion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion water, fltrd, ug/L (61598)	Methio-carb, water, fltrd 0.7u GF ug/L (38501)	Meth-omyl, water, fltrd 0.7u GF ug/L (49296)	Methyl acetate water unfltrd ug/L (77032)	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Methyl salicy-late, water, fltrd, ug/L (62081)
OCT													
15...	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4	<.03	<.015	<.5
NOV													
05...	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4	<.03	<.015	<.5
24...	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4	<.03	<.015	<.5

Date	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Metsul-furon, water, fltrd, ug/L (61697)	Myclo-butanil water, fltrd, ug/L (61599)	N-(4-Chloro-phenyl) -N-' methyl-urea, ug/L (61692)	Naphth-alene, water, fltrd, ug/L (34443)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nico-sul-furon, water, fltrd, ug/L (50364)	Norflur azon, water, fltrd 0.7u GF ug/L (49293)	Ory-zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	p-Cresol, water, fltrd, ug/L (62084)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)
OCT													
15...	<.013	<.006	<.03	<.008	<.02	<.5	<.01	<.01	<.02	<.02	<.01	M	<.022
NOV													
05...	<.013	<.006	<.03	<.008	<.02	<.5	<.01	<.01	<.02	<.02	<.01	M	<.022
24...	<.013	<.006	<.03	<.008	<.02	<.5	<.01	<.01	<.02	<.02	<.01	<1	<.022

Date	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Pic-loram, water, fltrd 0.7u GF ug/L (49291)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Propy-zamide, water, fltrd 0.7u GF ug/L (82676)	Propham water fltrd 0.7u GF ug/L (49236)	Propi-cona-zole, water, fltrd, ug/L (50471)
OCT													
15...	<2	<.5	V.3	<.10	<.011	<.06	<.008	<.02	<.01	<.005	<.004	<.010	<.02
NOV													
05...	<2	<.5	V.7	<.10	<.011	--	<.008	<.02	<.01	<.005	<.004	<.010	<.02
24...	<2	<.5	V.3	<.10	<.011	--	--	<.02	<.01	<.005	<.004	<.010	<.02

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Pyrene, water, fltrd, ug/L (34470)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfometruron, water, fltrd, ug/L (50337)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd, ug/L (04032)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	tert-Amyl alcohol water unfltrd ug/L (77073)	tert-Butyl alcohol water unfltrd ug/L (77035)	Tetrachloroethene, water, fltrd, ug/L (34476)
OCT													
15...	<.008	<.5	<.02	<.005	<.009	<.02	<.010	<.07	<.02	<.01	<.4	<1.00	<.5
NOV													
05...	<.008	<.5	<.02	<.005	<.009	<.02	<.010	<.07	<.02	<.01	<.4	<1.00	<.5
24...	<.008	<.5	<.02	<.005	<.009	<.02	<.010	<.07	<.02	<.01	<.4	<1.00	<.5

Date	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)
OCT													
15...	<.5	<.5	<.02	<1	<.5	<.009	<.5	<.5	<.5	<.5	<.03	<.03	<.16
NOV													
05...	<.5	<.5	<.02	<1	<.5	<.009	<.5	<.5	E.1	<.5	<.03	<.03	<.16
24...	M	<.5	<.02	<1	<.5	<.009	<.5	<.5	<.5	<.5	<.03	<.03	<.16

Date	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)
OCT													
15...	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3	<.18	<.1	<.1	<.06	<.5
NOV													
05...	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3	<.18	<.1	<.1	<.06	<.5
24...	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3	<.18	<.1	<.1	E.02	<.5

Date	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	[a]1,2-Dichloroethane-d4, sur Sch2090 wat unf pct rcv (99832)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	[a]14Bromofluorobenzene surrog. VOC Sch wat unf pct rcv (99834)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)
OCT													
15...	<.04	<.05	<.1	108	<.03	<.04	<.03	<.1	<.03	87.0	<.05	<.04	<.06
NOV													
05...	<.04	<.05	<.1	99.5	<.03	<.04	<.03	<.1	<.03	73.6	<.05	<.04	<.06
24...	<.04	<.05	<.1	123	<.03	<.04	<.03	<.1	<.03	91.2	<.05	<.04	<.06

Date	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)
OCT													
15...	<.50	<.05	<.08	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
NOV													
05...	<.50	<.05	<.08	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
24...	<.50	<.05	<.08	<6	<1	E.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03

10347699 TRUCKEE RIVER AT CHALK BLUFF TREATMENT PLANT INTAKE NEAR RENO, NV--Continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)
OCT													
15...	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
NOV													
05...	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
24...	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03

Date	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Methyl acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)
OCT													
15...	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5	<.7	<.1
NOV													
05...	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5	<.7	<.1
24...	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	E.03	<.5	<.7	<.1

Date	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	[a]Toluene -d8, surrog, Sch2090 wat unf percent recovry (99833)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)
OCT													
15...	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06	<.06	<2	E.03	104	<.03
NOV													
05...	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06	<.06	<2	<.05	86.9	<.03
24...	<.04	E.02	<.06	E.01	<.05	<.2	<.06	<.06	<.06	<2	E.05	97.6	<.03

Date	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Di-chlor-vos, water fltrd, ug/L (38775)	Sample volume, Sched 2003, ml (99972)
OCT									
15...	<.09	<.7	<.10	<.04	<.16	E.05	<.1	<.01	854
NOV									
05...	<.09	<.7	<.10	<.04	<.16	<.02	<.1	<.01	854
24...	<.09	<.7	<.10	<.04	<.16	<.02	<.1	<.01	839

Remark codes used in this table:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified
V -- Contamination

[a] -- Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10348000 TRUCKEE RIVER AT RENO, NV

LOCATION.--Lat 39°31'49", long 119°47'40" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec. 12, T.19 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on left bank, adjacent to Scott Island, 700 ft downstream from Kirman Avenue bridge, 0.4 mi upstream from Kietzke Lane bridge, 5.4 mi upstream from Steamboat Creek, and at mi 59.52 upstream from Marble Bluff Dam.

DRAINAGE AREA.--1,067 mi^2.

PERIOD OF RECORD.--July 1906 to September 1921, June 1925 to September 1926, January 1930 to December 1934, January to December 1943, January 1946 to current year.

REVISED RECORDS.--WDR NV-97-1: 1996.

GAGE.--Water-stage recorder. Datum of gage is 4,444.53 ft above National Geodetic Vertical Datum of 1929. July 1906 to September 1946, staff gages at sites 0.5 mi to 1.0 mi upstream at different datums. January 1946 to July 1999 at site 0.5 mi downstream, at datum 12.56 ft lower.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lake Tahoe (station 10337000), Martis Creek Lake (station 10339380), Prosser Creek (station 10340300), Stampede (station 10344300) and Boca (station 10344490) Reservoirs, Donner (station 10338400) and Independence (station 10342900) Lakes, and several power plants. Many diversions above station. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,800 ft^3/s, December 23, 1955, gage height, 13.63 ft; maximum gage height 14.94 ft, January 2, 1997; no flow September 12, 14-24, 26-30, 1926.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,190 ft^3/s, March 24, gage height, 5.94 ft; minimum daily discharge, 65 ft^3/s, September 29.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	357	335	201	315	206	342	791	712	734	324	323	263
2	320	276	200	273	212	349	767	748	729	323	347	267
3	321	295	243	311	216	306	774	815	685	305	329	259
4	315	352	251	284	219	309	805	863	612	308	326	267
5	312	420	187	246	205	321	857	910	530	329	330	253
6	340	406	152	273	202	331	889	870	487	325	313	270
7	322	375	367	272	209	354	837	909	495	307	316	276
8	313	376	270	277	200	376	834	918	449	302	312	252
9	314	372	291	274	200	407	836	907	425	315	322	270
10	314	351	308	286	199	467	811	909	413	297	319	281
11	325	331	294	283	205	547	794	894	387	312	300	276
12	324	325	277	276	194	569	803	857	378	329	302	275
13	334	313	252	249	196	595	817	834	370	320	301	284
14	332	319	249	229	199	617	791	832	389	319	303	293
15	325	324	200	232	191	694	754	798	400	310	318	282
16	300	318	194	227	205	756	724	795	337	312	322	327
17	295	312	196	225	405	812	722	786	325	325	310	403
18	292	313	187	225	434	822	699	796	322	312	288	408
19	292	306	194	224	385	882	681	739	317	327	273	411
20	290	304	210	227	375	914	728	759	319	316	282	424
21	298	310	216	227	352	946	737	794	348	320	273	413
22	291	302	214	215	335	1,030	777	819	348	318	272	381
23	295	288	209	209	324	1,120	760	828	332	317	276	324
24	288	302	250	217	313	1,120	753	812	321	325	289	178
25	278	293	324	217	414	1,050	785	730	314	320	259	129
26	283	289	281	207	502	972	835	677	305	331	265	100
27	287	287	226	211	434	839	868	707	306	315	266	113
28	284	287	221	220	379	801	895	872	327	320	277	88
29	287	282	258	212	347	805	815	783	350	319	274	65
30	291	234	263	210	---	840	711	732	315	318	270	66
31	343	---	305	206	---	817	---	734	---	322	262	---
TOTAL	9,562	9,597	7,490	7,559	8,257	21,110	23,650	25,139	12,369	9,842	9,219	7,898
MEAN	308	320	242	244	285	681	788	811	412	317	297	263
MAX	357	420	367	315	502	1,120	895	918	734	331	347	424
MIN	278	234	152	206	191	306	681	677	305	297	259	65
AC-FT	18,970	19,040	14,860	14,990	16,380	41,870	46,910	49,860	24,530	19,520	18,290	15,670

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907 - 2004, BY WATER YEAR (WY)

MEAN	282	416	555	659	729	893	1,220	1,493	1,048	430	259	255
MAX	977	2,513	3,638	6,177	3,336	4,448	4,138	5,679	4,883	2,500	1,261	1,302
(WY)	(1908)	(1984)	(1984)	(1997)	(1997)	(1986)	(1907)	(1952)	(1983)	(1983)	(1907)	(1983)
MIN	27.7	36.1	53.9	64.9	85.5	127	198	95.4	44.7	16.0	10.4	5.03
(WY)	(1993)	(1933)	(1933)	(1933)	(1933)	(1933)	(1977)	(1934)	(1931)	(1931)	(1931)	(1926)

10348000 TRUCKEE RIVER AT RENO, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1907 - 2004	
ANNUAL TOTAL	155,825		151,692			
ANNUAL MEAN	427		414		689	
HIGHEST ANNUAL MEAN					2,350	1983
LOWEST ANNUAL MEAN					106	1931
HIGHEST DAILY MEAN	1,320	May 30	1,120	Mar 23	16,200	Dec 23, 1955
LOWEST DAILY MEAN	152	Dec 6	65	Sep 29	0.00	Sep 12, 1926
ANNUAL SEVEN-DAY MINIMUM	200	Dec 15	106	Sep 24	0.00	Sep 14, 1926
MAXIMUM PEAK FLOW			1,190	Mar 24	20,800	Dec 23, 1955
MAXIMUM PEAK STAGE			5.94	Mar 24	14.94	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	309,100		300,900		498,900	
10 PERCENT EXCEEDS	817		815		1,670	
50 PERCENT EXCEEDS	320		319		381	
90 PERCENT EXCEEDS	254		212		124	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10348200 TRUCKEE RIVER NEAR SPARKS, NV

LOCATION (REVISED).--Lat 39°31'03.42", long 119°44'29.92" referenced to North American Datum of 1983, in NW ¼ NE ¼ sec. 16, T.19 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on left bank, 400 ft upstream from McCarren Boulevard bridge, 1 mi south of Southern Pacific Railroad in Sparks, 2.5 mi upstream from Steamboat Creek, and at mi 56.15 upstream from Marble Bluff Dam.

DRAINAGE AREA.--1,070 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,382.41 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers benchmark).

REMARKS.--Records good. Flow regulated by Lake Tahoe (station 10337000), Martis Creek Lake (station 10339380), Prosser Creek (station 10340300), Stampede (station 10344300) and Boca (station 10344490) Reservoirs, Donner (station 10338400) and Independence (station 10342900) Lakes, and several powerplants. Many diversions above station. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 18,000 ft^3/s (comparison with upstream and downstream stations), January 2, 1997, recorded gage height, 17.06 ft (flow overbank and around gage); no flow many days August, September, and October 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,200 ft^3/s, March 24, gage height, 6.59 ft; minimum daily discharge, 43 ft^3/s, September 29.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	323	342	204	332	211	358	702	607	687	272	262	209
2	282	283	201	283	219	382	666	648	689	280	282	215
3	286	296	238	323	222	321	668	730	653	259	267	211
4	278	333	253	317	226	316	697	787	583	259	262	220
5	277	428	195	285	212	325	757	840	500	279	268	202
6	310	415	151	296	208	330	799	792	465	277	253	222
7	287	382	364	282	215	348	741	829	484	259	252	247
8	278	382	284	287	207	367	730	852	423	252	250	229
9	279	380	292	283	207	389	729	831	392	267	264	241
10	279	363	316	294	204	445	696	846	386	251	254	252
11	290	340	301	293	212	527	680	845	353	260	237	248
12	290	328	284	287	201	545	698	789	342	291	239	242
13	301	314	259	258	201	567	714	753	333	269	240	256
14	299	320	268	236	203	582	682	761	357	266	242	268
15	290	326	210	238	196	656	643	722	368	257	261	257
16	262	321	197	234	207	720	596	722	297	250	286	308
17	260	315	198	230	411	782	598	710	283	267	260	388
18	252	317	190	231	454	791	569	722	286	253	230	396
19	254	310	195	229	399	854	548	646	279	265	213	402
20	259	308	217	242	390	887	615	673	278	257	220	417
21	266	314	220	234	366	915	621	713	314	260	216	408
22	261	295	218	222	348	998	673	739	309	259	211	374
23	266	298	213	215	336	1,100	649	749	291	262	228	331
24	253	305	253	219	324	1,110	643	738	277	262	246	179
25	251	300	333	224	450	1,020	683	633	267	261	204	125
26	262	294	292	214	543	935	739	575	256	275	207	74
27	263	294	240	215	459	771	784	597	255	258	212	96
28	267	291	234	226	397	721	819	798	284	258	223	71
29	271	286	262	218	360	723	731	721	301	258	220	43
30	274	240	270	217	---	763	609	666	277	257	230	44
31	340	---	313	211	---	739	---	679	---	258	215	---
TOTAL	8,610	9,720	7,665	7,875	8,588	20,287	20,479	22,713	11,269	8,158	7,454	7,175
MEAN	278	324	247	254	296	654	683	733	376	263	240	239
MAX	340	428	364	332	543	1,110	819	852	689	291	286	417
MIN	251	240	151	211	196	316	548	575	255	250	204	43
AC-FT	17,080	19,280	15,200	15,620	17,030	40,240	40,620	45,050	22,350	16,180	14,790	14,230

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	252	429	596	726	828	1,037	1,129	1,472	976	423	235	258
MAX	728	2,573	3,716	6,500	3,342	4,590	3,104	3,965	5,039	2,586	802	1,199
(WY)	(1983)	(1984)	(1984)	(1997)	(1997)	(1986)	(1983)	(1982)	(1983)	(1983)	(1983)	(1983)
MIN	2.53	33.9	54.2	71.6	66.4	218	225	132	30.7	27.6	0.27	0.00
(WY)	(1995)	(1991)	(1991)	(1991)	(1991)	(1992)	(1992)	(1992)	(1992)	(1992)	(1994)	(1994)

10348200 TRUCKEE RIVER NEAR SPARKS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	148,670		139,993			
ANNUAL MEAN	407		382		704	
HIGHEST ANNUAL MEAN					2,373	1983
LOWEST ANNUAL MEAN					88.7	1992
HIGHEST DAILY MEAN	1,250	May 30	1,110	Mar 24	15,000	Jan 2, 1997
LOWEST DAILY MEAN	151	Dec 6	43	Sep 29	0.00	Aug 13, 1992
ANNUAL SEVEN-DAY MINIMUM	204	Dec 15	90	Sep 24	0.00	Sep 4, 1992
MAXIMUM PEAK FLOW			1,200	Mar 24	18,000	Jan 2, 1997
MAXIMUM PEAK STAGE			6.59	Mar 24	17.06	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	294,900		277,700		510,300	
10 PERCENT EXCEEDS	785		730		1,900	
50 PERCENT EXCEEDS	307		287		336	
90 PERCENT EXCEEDS	233		213		89	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1988 to September 1995; October 2000 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: August 1993 to September 1995; October 2000 current year.
WATER TEMPERATURE: June 1988 to September 1995; October 2000 to current year.

INSTRUMENTATION.--Specific-conductance recorder from August 1993 to September 1995, four times per hour; October 2000 to April 2001, hourly; May 2001 to current year, four times per hour. Temperature recorder from June 1988 to July 1993, hourly; August 1993 to September 1995, four times per hour; October 2000 to April 2001, hourly; May 2001 to current year, four times per hour.

REMARKS.--Records represent water temperature at probe within 0.5°C. Interruptions in the record were due to instrument malfunction.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 687 microsiemens, cm at 25°C, January 5, 1995; minimum recorded, 70 microsiemens, cm at 25°C, June 17, 1995.
WATER TEMPERATURE: Maximum, 30.5°C, August 12, 1991; minimum, freezing point on many days during winter months of most years.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 244 microsiemens/cm at 25°C, January 20; minimum, 79 microsiemens/cm at 25°C, May 28, 29.
WATER TEMPERATURE: Maximum, 24.5°C, July 6; minimum, 0.0°C, on several days.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	110	105	107	122	115	118	140	133	137	155	133	140
2	114	109	111	128	122	124	147	137	143	151	135	140
3	116	110	113	131	122	127	146	135	142	149	131	138
4	116	110	113	131	122	127	140	128	134	141	135	137
5	115	108	112	126	113	119	137	128	132	138	133	136
6	116	113	115	117	112	115	---	---	---	142	133	138
7	116	111	113	118	110	115	188	141	166	141	133	137
8	115	110	113	119	113	116	141	128	133	138	135	137
9	114	109	112	122	114	118	148	133	143	139	135	137
10	114	108	112	122	116	118	144	130	134	141	136	139
11	114	109	112	124	117	121	151	127	133	140	136	138
12	114	108	111	124	118	121	132	128	130	140	135	137
13	114	108	111	126	119	122	136	130	133	142	136	138
14	114	108	111	127	118	123	196	136	164	147	137	142
15	115	109	112	124	119	122	191	160	170	153	141	148
16	116	111	113	124	117	122	168	163	166	153	147	150
17	118	113	116	125	118	122	168	158	165	154	146	150
18	118	112	116	125	118	123	172	158	164	154	145	150
19	118	114	116	126	120	123	166	154	160	155	145	150
20	118	114	116	126	120	124	163	150	155	244	149	182
21	118	113	116	126	121	123	177	149	163	163	149	154
22	117	110	115	127	121	124	152	149	151	156	150	153
23	120	111	117	132	122	126	155	147	151	157	153	155
24	119	113	117	129	120	125	192	147	154	155	146	151
25	122	114	118	130	121	126	192	150	165	157	146	152
26	124	115	120	129	121	125	159	151	154	157	152	155
27	124	120	122	129	122	126	157	143	153	159	149	155
28	123	116	121	128	121	125	180	157	167	158	147	152
29	124	119	121	128	121	125	163	146	153	157	149	154
30	124	119	122	133	124	127	192	148	166	159	153	156
31	124	116	120	---	---	---	153	135	146	160	150	155
MONTH	124	105	115	133	110	122	196	127	151	244	131	147

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	159	149	155	158	150	153	---	---	---	---	---	---
2	169	151	156	213	155	189	---	---	---	---	---	---
3	166	150	157	178	155	167	---	---	---	---	---	---
4	157	150	154	163	151	157	---	---	---	---	---	---
5	158	151	155	158	150	154	---	---	---	---	---	---
6	160	150	156	152	148	150	---	---	---	---	---	---
7	165	154	159	153	145	149	---	---	---	---	---	---
8	163	151	158	153	143	147	---	---	---	---	---	---
9	160	153	156	155	143	149	---	---	---	---	---	---
10	163	148	157	155	142	148	---	---	---	---	---	---
11	163	147	155	149	138	143	---	---	---	---	---	---
12	162	149	156	139	133	137	---	---	---	---	---	---
13	164	155	160	136	132	134	---	---	---	---	---	---
14	164	151	159	134	129	132	---	---	---	---	---	---
15	158	150	155	130	127	128	---	---	---	---	---	---
16	238	150	165	127	121	125	---	---	---	---	---	---
17	169	146	156	123	118	120	---	---	---	---	---	---
18	153	131	138	119	115	117	---	---	---	---	---	---
19	152	132	139	116	112	114	---	---	---	---	---	---
20	157	141	150	114	110	112	---	---	---	---	---	---
21	142	139	141	111	104	108	---	---	---	---	---	---
22	142	138	140	106	101	104	---	---	---	91	83	88
23	140	136	138	103	98	101	---	---	---	92	86	90
24	142	136	139	101	98	100	---	---	---	92	86	88
25	166	120	143	100	97	99	---	---	---	97	89	92
26	171	157	162	103	100	102	---	---	---	93	89	91
27	172	148	158	110	103	108	---	---	---	93	89	91
28	150	146	148	113	110	110	---	---	---	89	79	85
29	152	144	149	115	109	111	---	---	---	85	79	82
30	---	---	---	116	109	112	---	---	---	88	85	86
31	---	---	---	126	116	120	---	---	---	90	86	87
MONTH	238	120	152	213	97	129	---	---	---	97	79	88
		JUNE			JULY			AUGUST			SEPTEMBER	
1	87	84	85	122	114	116	109	106	108	120	111	115
2	85	83	84	116	114	115	109	105	107	117	111	114
3	85	83	84	119	113	115	108	106	106	121	112	116
4	87	83	85	118	114	115	108	106	107	121	111	116
5	91	87	88	116	112	114	110	105	107	122	116	118
6	92	88	90	114	112	113	109	106	108	122	115	118
7	93	87	89	116	112	114	109	105	107	121	117	119
8	94	87	90	116	112	114	109	106	107	125	115	119
9	102	93	97	115	112	114	109	105	107	127	121	124
10	99	96	97	117	113	115	108	104	106	128	119	123
11	100	97	98	117	112	114	110	106	107	126	119	122
12	100	97	99	114	112	113	116	106	109	128	115	119
13	104	98	100	114	110	112	115	108	110	123	117	120
14	103	95	99	115	110	113	113	108	110	128	117	120
15	100	94	97	115	110	112	125	108	113	126	121	123
16	109	100	103	115	111	113	114	110	112	126	112	118
17	108	102	104	114	109	112	118	109	112	116	107	111
18	112	104	107	115	108	112	116	110	112	113	107	110
19	113	104	106	116	110	113	120	112	115	112	108	110
20	111	105	107	115	109	112	118	113	115	118	109	112
21	106	104	105	114	109	111	121	113	116	114	108	112
22	107	104	106	113	109	111	119	113	116	114	108	112
23	110	106	108	113	110	111	122	113	115	125	112	114
24	109	106	108	111	108	110	119	112	115	148	125	126
25	111	107	109	112	108	110	123	112	116	178	143	154
26	111	109	110	113	110	111	120	112	116	188	173	178
27	113	110	111	112	109	110	117	112	115	193	180	184
28	113	111	112	113	108	110	116	111	114	199	179	188
29	115	110	112	111	109	110	116	110	113	220	198	207
30	116	111	113	112	109	110	123	112	116	221	212	217
31	---	---	---	112	107	109	121	111	115	---	---	---
MONTH	116	83	100	122	107	112	125	104	111	221	107	131
YEAR	244	79	126									

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.5	15.0	16.5	8.0	6.0	7.0	6.0	3.5	5.0	3.0	1.5	2.5
2	17.5	14.0	15.5	7.0	5.0	5.5	6.5	4.5	5.5	1.5	0.0	0.5
3	16.5	13.0	15.0	8.0	4.5	6.0	6.5	4.5	5.5	0.5	0.0	0.0
4	17.0	14.0	15.5	7.0	4.5	6.0	5.5	3.5	4.5	0.0	0.0	0.0
5	17.0	14.0	15.5	8.0	5.5	7.0	8.5	5.0	6.5	0.0	0.0	0.0
6	17.0	13.5	15.0	7.5	6.0	7.0	11.0	6.5	8.0	0.0	0.0	0.0
7	17.0	14.0	15.5	8.0	6.5	7.0	7.0	4.5	6.0	2.0	0.0	0.5
8	16.5	13.0	15.0	8.0	6.5	7.5	4.5	3.0	3.5	4.5	2.0	3.0
9	16.5	13.0	14.5	8.0	7.0	7.5	3.0	1.5	2.5	4.0	2.5	3.5
10	14.0	11.0	12.5	7.5	5.5	7.0	4.0	2.0	3.0	4.0	2.0	3.5
11	13.5	10.0	12.0	7.0	5.5	6.5	4.0	2.5	3.0	4.0	2.0	3.0
12	14.5	11.0	12.5	7.0	5.0	6.0	4.0	2.0	3.0	3.5	2.0	3.0
13	13.0	10.5	12.0	7.5	6.0	6.5	5.0	3.5	4.5	4.0	2.0	3.0
14	13.5	10.0	11.5	7.0	5.0	6.0	5.0	3.0	4.0	3.5	1.5	2.5
15	13.0	10.0	11.5	6.5	6.0	6.0	3.0	0.5	1.5	4.0	1.5	3.0
16	13.5	10.0	12.0	7.0	4.5	6.0	1.5	0.0	0.5	3.5	1.5	2.5
17	14.5	11.0	12.5	7.5	5.5	6.5	1.5	0.0	0.5	3.5	1.5	2.5
18	14.0	10.5	12.5	7.5	5.5	6.5	1.5	0.0	0.5	4.0	2.0	3.0
19	14.5	11.5	13.0	8.0	5.0	6.5	3.0	0.5	1.5	4.0	2.0	3.0
20	14.5	11.5	13.5	7.5	6.0	6.5	4.5	2.5	3.5	4.0	2.5	3.5
21	14.5	11.5	13.0	6.5	4.5	5.0	5.5	4.0	4.5	3.5	1.5	2.5
22	14.0	11.5	13.0	4.5	2.5	3.5	5.5	3.5	4.5	2.5	0.0	1.5
23	14.0	12.0	13.0	3.0	0.5	2.0	4.0	3.0	3.5	1.5	0.0	1.0
24	13.0	10.0	11.5	4.0	1.0	2.5	5.0	3.5	4.0	4.0	1.5	2.5
25	12.0	9.0	11.0	4.0	2.0	3.0	4.0	2.5	3.0	3.5	1.0	2.5
26	12.0	9.0	10.5	4.0	2.0	3.5	2.5	1.0	1.5	2.0	0.0	1.0
27	12.5	9.5	11.0	3.5	1.5	3.0	1.0	0.0	0.0	3.0	1.0	2.0
28	12.5	9.5	11.0	4.5	3.0	3.5	0.0	0.0	0.0	4.0	2.0	3.0
29	13.0	10.5	11.5	6.0	4.0	5.0	1.5	0.0	1.0	5.0	2.5	4.0
30	11.0	8.5	9.5	6.0	5.0	5.5	2.5	1.0	1.5	5.0	3.5	4.5
31	8.5	6.5	7.5	---	---	---	3.5	2.0	2.5	4.5	2.5	3.5
MONTH	18.5	6.5	12.8	8.0	0.5	5.6	11.0	0.0	3.2	5.0	0.0	2.3
		FEBRUARY			MARCH			APRIL			MAY	
1	4.0	2.0	3.0	5.5	3.0	4.5	9.5	6.5	8.0	14.5	9.5	12.0
2	4.0	2.5	3.5	5.0	3.0	4.0	8.5	6.0	7.0	15.5	11.0	13.0
3	3.5	1.5	2.5	6.0	3.0	4.5	12.0	7.5	9.5	16.0	11.5	13.5
4	3.0	1.5	2.5	6.5	3.5	5.0	11.0	8.5	10.0	15.5	11.5	13.5
5	4.0	1.0	2.5	7.5	4.0	5.5	12.5	8.5	10.5	13.0	11.0	12.0
6	3.5	0.5	2.0	9.5	5.5	7.5	11.5	8.5	10.0	13.0	11.0	12.0
7	4.0	1.5	2.5	9.5	6.0	8.0	12.0	8.5	10.0	14.0	9.5	12.0
8	4.0	1.0	2.5	10.0	6.0	8.0	12.5	8.5	10.5	14.0	10.0	12.0
9	4.0	1.0	2.5	10.5	7.0	8.5	12.0	8.5	10.5	14.0	10.5	12.0
10	3.5	0.5	2.0	10.5	7.0	9.0	12.0	8.0	10.0	12.5	10.0	11.0
11	3.5	0.5	2.0	9.5	6.0	7.5	12.5	7.5	10.0	10.5	8.5	9.5
12	3.5	0.5	2.0	9.5	6.0	7.5	13.0	9.0	11.0	13.0	8.0	10.5
13	2.0	0.5	1.5	9.5	6.0	8.0	12.0	9.5	10.5	14.5	10.5	12.5
14	3.5	0.5	2.0	10.0	6.5	8.5	11.5	7.0	9.0	14.5	11.0	13.0
15	5.5	2.5	4.5	10.5	7.0	8.5	11.5	7.0	8.5	15.0	11.0	13.0
16	6.5	4.5	5.5	9.5	6.5	8.0	11.0	7.0	9.0	15.0	11.0	13.0
17	7.0	5.0	6.0	9.5	6.0	8.0	9.5	7.0	8.5	15.0	11.0	13.0
18	5.5	4.0	4.5	9.5	6.5	8.0	9.0	6.5	8.0	15.0	10.0	12.5
19	6.0	3.0	4.5	10.0	7.0	8.5	10.0	6.5	8.0	14.0	10.5	12.5
20	5.0	3.5	4.5	10.0	6.5	8.0	11.5	7.0	9.0	13.5	10.5	12.0
21	5.0	4.0	4.5	10.5	7.5	9.0	12.0	7.5	9.5	13.5	10.0	12.0
22	6.0	4.0	5.0	10.0	8.0	9.0	11.0	7.5	9.5	14.5	10.0	12.0
23	7.0	4.5	5.5	10.0	7.5	8.5	12.0	8.5	10.5	15.0	10.5	12.5
24	7.0	4.0	5.5	9.5	7.0	8.0	13.5	9.0	11.0	15.0	11.5	13.0
25	5.5	3.5	4.5	8.0	6.5	7.0	14.0	10.0	12.0	15.0	11.0	13.0
26	4.0	2.5	3.0	7.0	4.5	5.5	14.5	10.5	12.5	15.5	11.0	13.0
27	4.0	1.0	2.5	9.0	4.5	7.0	14.5	11.0	13.0	16.5	13.0	14.5
28	5.0	2.0	3.5	10.0	6.5	8.0	13.5	11.0	12.0	16.0	12.0	14.0
29	6.0	2.5	4.5	10.5	7.0	8.5	12.5	8.5	10.5	16.0	11.5	13.5
30	---	---	---	11.5	8.0	9.5	13.5	8.5	11.0	17.0	12.0	14.0
31	---	---	---	11.0	8.0	9.5	---	---	---	17.0	13.0	15.0
MONTH	7.0	0.5	3.5	11.5	3.0	7.6	14.5	6.0	10.0	17.0	8.0	12.6

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.0	13.5	15.5	20.0	15.0	17.5	22.5	17.0	19.5	20.5	17.0	19.0
2	18.0	13.5	15.5	21.0	15.0	18.0	21.5	17.0	19.0	20.5	17.0	18.5
3	16.5	14.0	15.5	22.0	16.5	19.0	21.5	15.5	18.5	19.0	15.0	17.0
4	17.5	13.0	15.0	23.0	17.0	20.0	21.5	16.5	19.0	19.0	14.0	16.5
5	17.0	13.5	15.5	23.5	17.5	20.5	21.0	16.0	18.0	20.5	14.5	18.0
6	18.5	13.5	16.0	24.5	18.5	21.5	21.0	16.0	18.0	21.5	16.0	18.5
7	17.5	14.0	15.5	23.5	19.0	21.0	21.5	15.5	18.0	21.0	16.5	18.5
8	15.0	12.0	13.0	23.0	17.5	20.0	22.5	16.5	19.5	20.5	16.0	18.5
9	14.0	10.5	12.0	22.5	17.5	19.5	23.0	17.5	20.0	20.0	15.0	17.5
10	16.0	10.5	13.0	22.0	16.5	19.0	22.5	17.0	19.5	20.0	15.0	17.5
11	18.0	12.5	15.0	22.0	16.5	19.0	23.0	17.5	20.0	20.5	15.0	17.5
12	19.0	13.5	16.0	22.5	16.5	19.5	21.0	17.5	19.5	19.5	15.5	17.5
13	20.0	14.5	17.0	23.0	17.0	19.5	21.5	18.0	19.5	19.0	14.5	16.5
14	20.5	15.5	17.5	22.5	17.0	19.5	23.0	17.5	20.0	18.5	14.0	16.0
15	20.0	15.5	17.5	22.0	16.5	19.5	21.0	18.0	19.5	18.5	13.5	16.0
16	20.5	15.5	18.0	22.5	17.0	19.5	19.5	17.0	18.0	19.0	14.5	17.0
17	19.0	15.0	17.5	22.0	17.5	19.5	21.5	16.0	18.5	18.0	15.0	16.5
18	20.5	14.5	17.5	23.5	18.0	20.0	22.5	17.0	19.5	17.0	13.5	15.0
19	21.5	15.5	18.5	23.0	18.5	20.5	22.0	18.0	20.0	14.0	12.0	13.0
20	21.5	15.5	18.5	23.5	18.0	20.5	21.5	17.0	19.5	13.5	11.0	12.0
21	21.5	16.0	19.0	24.0	18.0	21.0	22.5	17.0	19.5	15.0	11.0	13.0
22	22.0	16.0	19.0	24.0	18.5	21.0	19.5	16.5	18.0	16.0	11.5	13.5
23	21.5	17.0	19.0	24.0	18.5	21.0	20.0	15.5	17.5	17.5	13.0	15.0
24	21.5	17.0	19.0	22.5	18.5	20.5	21.0	15.5	18.0	18.0	12.5	16.0
25	22.0	16.5	19.0	23.0	17.5	20.0	20.5	16.0	18.5	18.0	14.0	16.5
26	22.0	16.0	18.5	23.0	17.5	20.0	19.5	15.0	17.5	19.0	14.0	16.5
27	21.5	16.5	18.5	23.0	17.5	20.0	20.0	15.0	17.5	18.0	14.0	16.0
28	20.0	16.0	18.0	23.5	18.0	20.5	21.0	15.0	18.0	18.0	14.0	16.0
29	20.5	15.5	17.5	22.5	17.5	20.0	21.5	16.0	19.0	19.0	13.0	16.0
30	20.0	15.5	17.5	22.0	16.5	19.0	22.5	17.0	19.5	19.0	13.0	16.5
31	---	---	---	22.5	17.0	19.5	22.0	17.0	19.5	---	---	---
MONTH	22.0	10.5	16.8	24.5	15.0	19.9	23.0	15.0	18.9	21.5	11.0	16.4
YEAR	24.5	0.0	10.8									

10348245 NORTH TRUCKEE DRAIN AT SPANISH SPRINGS ROAD NEAR SPARKS, NV

LOCATION.--Lat 39°34'08", long 119°43'32" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec. 27, T.20 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on right bank upstream of culvert crossing Spanish Springs Road, at south end of Spanish Springs Valley, and 2.4 mi north of Sparks.

DRAINAGE AREA.--80 mi^2.

PERIOD OF RECORD.--April 1992 to September 1994; October 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,410 ft above National Geodetic Vertical Datum of 1929 from topographic map. Prior to November 1, 1993, at a site in same vicinity, at different datum.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by Orr Ditch, many diversions for irrigation in Spanish Springs Valley. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43 ft^3/s, August 1, 2002, gage height, 3.73 ft; minimum daily, 0.02 ft^3/s, September 20, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23 ft^3/s, June 26, gage height, 3.22 ft; minimum daily discharge, 0.13 ft^3/s, April 21.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	1.4	1.5	1.3	0.86	1.6	0.22	0.28	5.3	9.7	2.1	8.2
2	3.0	1.4	1.5	1.0	1.0	2.6	0.20	0.46	4.7	8.5	2.6	9.1
3	2.7	1.5	1.5	0.83	0.97	1.2	0.45	0.28	4.0	6.3	2.4	9.0
4	2.8	1.4	1.3	0.77	0.93	1.2	0.60	0.19	4.4	9.2	1.9	8.2
5	2.8	1.3	1.3	0.76	0.81	1.0	0.38	0.20	5.2	8.4	1.6	9.1
6	2.5	1.3	1.3	0.76	0.78	0.89	0.38	0.26	6.5	7.3	2.8	11
7	2.3	1.6	1.5	0.78	0.91	0.87	0.39	0.20	5.1	7.2	3.6	13
8	2.2	1.7	1.0	0.78	0.82	0.66	0.29	1.4	5.3	6.6	3.8	12
9	2.0	1.3	0.92	0.72	0.78	0.72	0.16	3.3	6.9	6.2	3.7	13
10	1.8	1.2	1.1	0.67	0.86	0.98	0.20	0.23	6.8	6.2	6.2	12
11	2.0	1.4	1.1	0.83	0.73	1.3	0.24	0.84	6.1	6.7	5.1	11
12	2.2	1.4	1.0	0.91	0.68	1.5	0.22	0.56	6.9	5.7	5.9	12
13	2.1	1.1	0.95	0.95	0.68	1.5	0.16	0.49	8.2	4.9	8.0	15
14	1.9	1.0	2.6	0.97	0.65	1.5	0.17	0.53	6.7	4.6	8.8	11
15	1.8	1.2	1.1	0.91	0.71	1.0	0.19	0.45	6.6	4.6	11	11
16	1.7	1.7	1.0	0.90	0.96	0.83	0.15	1.0	7.5	3.8	11	11
17	1.7	1.7	0.95	0.84	0.84	0.75	0.17	0.96	7.1	3.9	9.5	12
18	1.8	1.6	0.86	0.80	0.87	0.59	0.31	0.84	6.7	4.4	9.7	12
19	1.8	1.7	1.1	0.72	0.80	0.73	0.28	1.4	7.0	7.5	9.5	12
20	1.7	1.7	1.5	2.1	0.85	0.59	0.16	2.3	8.0	9.8	8.8	11
21	1.5	1.7	1.6	1.0	1.1	0.68	0.13	3.3	6.7	9.4	10	12
22	1.5	1.6	1.1	0.91	1.2	0.45	0.14	4.9	8.8	8.0	13	13
23	1.6	1.5	1.1	0.94	1.2	0.41	0.15	3.5	13	7.0	12	12
24	1.5	1.7	1.5	1.0	1.1	0.39	0.18	2.4	13	5.8	12	7.9
25	1.5	1.6	1.2	0.91	3.7	0.31	0.31	2.5	12	5.8	8.0	6.2
26	1.6	1.6	0.96	0.86	2.3	0.28	0.30	3.0	15	5.3	6.4	4.3
27	1.5	1.5	0.83	1.00	1.2	0.31	0.18	2.9	19	5.1	5.8	3.1
28	1.6	1.5	0.80	1.1	1.1	0.40	0.22	3.4	11	4.1	6.8	2.8
29	1.8	1.6	0.98	0.94	1.0	0.26	0.29	4.2	5.6	3.2	8.4	2.5
30	2.3	1.7	1.2	0.89	---	0.24	0.31	4.8	5.3	3.1	8.3	2.5
31	1.6	---	1.0	0.87	---	0.21	---	5.4	---	2.7	8.1	---
TOTAL	61.9	44.6	37.35	28.72	30.39	25.95	7.53	56.47	234.4	191.0	216.8	288.9
MEAN	2.00	1.49	1.20	0.93	1.05	0.84	0.25	1.82	7.81	6.16	6.99	9.63
MAX	3.1	1.7	2.6	2.1	3.7	2.6	0.60	5.4	19	9.8	13	15
MIN	1.5	1.0	0.80	0.67	0.65	0.21	0.13	0.19	4.0	2.7	1.6	2.5
AC-FT	123	88	74	57	60	51	15	112	465	379	430	573

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	0.89	1.08	1.33	1.18	1.18	2.41	2.43	7.10	9.27	7.29	7.48	7.25
MAX	2.00	2.56	2.78	1.89	2.33	7.89	6.59	17.4	14.1	15.0	16.0	14.6
(WY)	(2004)	(2003)	(2003)	(2001)	(1995)	(1995)	(1994)	(1994)	(2002)	(2002)	(2002)	(2002)
MIN	0.05	0.08	0.10	0.14	0.13	0.42	0.22	1.82	1.77	0.11	0.07	0.04
(WY)	(1993)	(1993)	(1993)	(1993)	(1993)	(1993)	(2003)	(2004)	(1992)	(1994)	(1994)	(1992)

10348245 NORTH TRUCKEE DRAIN AT SPANISH SPRINGS ROAD NEAR SPARKS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	1,239.27		1,224.01			
ANNUAL MEAN	3.40		3.34		4.41	
HIGHEST ANNUAL MEAN					5.98	2002
LOWEST ANNUAL MEAN					3.34	2004
HIGHEST DAILY MEAN	16	Jun 21	19	Jun 27	27	Jul 15, 1993
LOWEST DAILY MEAN	0.16	Apr 25	0.13	Apr 21	0.02	Sep 20, 1992
ANNUAL SEVEN-DAY MINIMUM	0.18	Apr 5	0.19	Apr 11	0.02	Sep 20, 1992
MAXIMUM PEAK FLOW			23	Jun 26	43	Aug 1, 2002
MAXIMUM PEAK STAGE			3.22	Jun 26	3.73	Aug 1, 2002
ANNUAL RUNOFF (AC-FT)	2,460		2,430		3,190	
10 PERCENT EXCEEDS	7.5		9.3		13	
50 PERCENT EXCEEDS	1.9		1.5		1.7	
90 PERCENT EXCEEDS	0.26		0.31		0.10	

PERIOD OF RECORD.--October 2000 to current year.

INSTRUMENTATION.--Recording-tipping bucket gage since October 6, 2000.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily precipitation, 0.77 in., December 16, 2002; no precipitation most days.

EXTREMES FOR CURRENT YEAR.--Maximum daily precipitation, 0.59 in., February 25; no precipitation most days.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.03	0.01	0.13	0.00	0.17	0.00	0.00	0.00	0.12	0.00	0.00
2	0.00	0.01	0.00	0.00	0.09	0.29	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00
10	0.00	0.01	0.07	0.00	0.00	0.00	0.00	0.05	0.03	0.00	0.00	0.00
11	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00
12	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.31	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
16	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.01	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.26	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.00
24	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
30	0.05	0.02	0.01	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.05	0.12	1.11	0.68	0.86	0.47	0.00	0.27	0.17	0.14	0.04	0.00

CAL YR 2003 TOTAL 3.77
WTR YR 2004 TOTAL 3.91

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10348300 NORTH TRUCKEE DRAIN AT KLEPPE LANE NEAR SPARKS, NV

LOCATION.--Lat 39°31'36", long 119°42'30" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec. 11, T.19 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on right bank, 0.2 mi above Kleppe Lane bridge in Sparks.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1992 to December 1996, January 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,390 ft above National Geodetic Vertical Datum of 1929, from topographic map. Gage formerly operated by Federal Court Watermaster at site 0.2 mi downstream.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by Orr Ditch, many diversions in Spanish Springs Valley, and by pumping from the Helms Pit. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 670 ft^3/s, May 18, 1996, gage height, 7.74 ft; maximum gage height, 8.57 ft, backwater from Truckee River; minimum daily, 1.2 ft^3/s, December 27, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 220 ft^3/s, February 25, gage height, 4.67 ft; minimum daily discharge, 2.5 ft^3/s, April 22.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	5.8	5.7	12	4.8	21	5.8	4.7	14	27	10	15
2	5.5	5.8	6.0	6.0	8.3	31	5.7	4.1	14	16	10	15
3	5.5	6.0	6.0	5.6	5.2	9.3	5.9	4.4	13	12	11	16
4	5.3	5.9	6.0	5.5	4.9	7.9	5.8	4.7	13	14	10	15
5	5.1	5.7	6.7	5.7	4.7	7.4	6.4	4.5	13	17	9.4	15
6	5.0	5.7	8.5	5.8	4.7	7.2	6.4	3.9	18	15	10	17
7	5.1	6.0	13	5.7	5.0	7.0	5.9	4.2	16	15	13	20
8	4.8	6.9	8.0	5.5	4.7	6.8	4.2	4.0	16	16	13	19
9	4.7	3.8	7.6	5.4	4.8	6.3	3.3	9.2	25	15	10	19
10	4.7	3.6	9.0	5.2	4.9	6.2	3.1	4.2	20	15	12	20
11	4.8	4.2	9.5	5.2	4.8	6.4	2.9	21	15	15	12	17
12	4.7	4.1	7.7	5.5	4.7	6.6	3.3	4.2	16	15	12	17
13	4.7	4.0	7.1	5.8	4.6	6.7	3.6	4.2	18	14	14	23
14	4.9	3.9	26	5.6	4.5	6.5	3.5	4.2	16	13	15	18
15	4.7	3.9	6.1	5.6	4.4	6.2	3.1	4.3	15	13	18	18
16	4.7	4.1	5.8	5.6	6.6	6.0	3.2	4.6	14	11	26	16
17	4.7	4.4	5.8	5.4	5.2	6.1	3.0	5.1	13	11	21	17
18	4.8	4.4	6.3	5.3	7.3	6.1	3.0	5.3	12	11	19	18
19	4.8	4.7	5.8	5.4	8.3	6.3	3.3	5.7	11	13	18	18
20	5.1	5.4	12	18	8.6	6.1	3.1	7.4	12	17	18	16
21	5.5	5.5	7.8	6.0	8.5	6.0	2.9	8.8	13	20	19	16
22	5.4	5.4	6.2	5.6	8.8	6.2	2.5	11	9.8	17	24	19
23	5.4	5.5	5.9	5.6	9.8	6.1	2.7	10	16	18	24	18
24	5.4	5.6	12	5.5	9.6	6.1	2.7	9.3	21	16	23	12
25	5.3	5.1	6.5	5.2	64	6.1	2.8	9.8	17	15	18	9.7
26	5.3	4.9	5.9	5.1	9.9	6.3	3.0	9.9	20	15	15	7.2
27	5.5	4.8	5.7	5.8	6.3	6.3	3.1	9.7	37	14	15	5.7
28	5.6	4.8	5.6	5.2	5.7	6.3	3.2	10	27	14	14	5.0
29	5.9	4.9	6.2	5.0	5.5	6.5	3.3	12	11	12	15	4.9
30	6.4	5.0	7.0	5.1	---	6.2	3.7	12	14	12	16	4.9
31	6.1	---	6.4	4.9	---	6.1	---	13	---	12	16	---
TOTAL	160.9	149.8	243.8	188.8	239.1	241.3	114.4	229.4	489.8	460	480.4	451.4
MEAN	5.19	4.99	7.86	6.09	8.24	7.78	3.81	7.40	16.3	14.8	15.5	15.0
MAX	6.4	6.9	26	18	64	31	6.4	21	37	27	26	23
MIN	4.7	3.6	5.6	4.9	4.4	6.0	2.5	3.9	9.8	11	9.4	4.9
AC-FT	319	297	484	374	474	479	227	455	972	912	953	895

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	11.2	10.9	13.2	11.1	12.4	14.9	14.1	27.0	23.8	18.6	22.3	20.4
MAX	30.7	26.2	33.4	17.5	30.3	42.4	23.2	79.8	41.6	28.8	43.5	35.3
(WY)	(1997)	(1997)	(1997)	(1996)	(1996)	(1995)	(1998)	(1996)	(1993)	(1996)	(1999)	(1999)
MIN	5.19	4.99	4.98	6.09	6.44	5.47	3.81	7.40	11.8	9.46	8.92	10.3
(WY)	(2004)	(2004)	(2001)	(2004)	(2001)	(2001)	(2004)	(2004)	(2003)	(1994)	(1994)	(2001)

10348300 NORTH TRUCKEE DRAIN AT KLEPPE LANE NEAR SPARKS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	3,287.6		3,449.1			
ANNUAL MEAN	9.01		9.42		16.0	
HIGHEST ANNUAL MEAN					27.1	1996
LOWEST ANNUAL MEAN					9.42	2004
HIGHEST DAILY MEAN	35	Jun 23	64	Feb 25	316	May 18, 1996
LOWEST DAILY MEAN	3.6	Nov 10	2.5	Apr 22	1.2	Dec 27, 1994
ANNUAL SEVEN-DAY MINIMUM	3.9	Nov 9	2.8	Apr 20	2.8	Apr 20, 2004
MAXIMUM PEAK FLOW			220	Feb 25	670	May 18, 1996
MAXIMUM PEAK STAGE			4.67	Feb 25	8.57	Mar 24, 1998
ANNUAL RUNOFF (AC-FT)	6,520		6,840		11,570	
10 PERCENT EXCEEDS	13		18		29	
50 PERCENT EXCEEDS	8.3		6.3		12	
90 PERCENT EXCEEDS	5.3		4.2		5.4	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10348460 FRANKTOWN CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°12'12", long 119°52'17" referenced to North American Datum of 1927, in SW ¼ SE ¼ sec. 32, T.16 N., R.19 E., Washoe County, Hydrologic Unit 16050102, in Toiyabe National Forest, on right bank, 300 ft upstream from Red House diversion dam, 0.2 mi upstream from Red House, and 6.1 mi northwest of Carson City.

DRAINAGE AREA.--3.24 mi^2.

PERIOD OF RECORD.--June 1974 to current year.

REVISIONS.--WDR NV-94-1: 1980 (P), 1982-1985(P).

GAGE.--Water-stage recorder. Elevation of gage is 7,380 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Hobart Reservoir, and by pumping from Marlette Lake (station 10336710) during dry years. See schematic diagram of See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 89 ft^3/s, February 16, 1986, gage height, 3.64 ft; minimum daily, 0.48 ft^3/s, September 9, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9.5 ft^3/s, May 4, gage height, 1.73 ft; minimum daily discharge, 1.7 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	2.1	2.3	e2.1	1.7	1.8	5.3	5.8	3.3	3.0	3.7	3.5
2	3.3	2.1	2.4	e2.1	1.8	2.0	4.4	6.5	3.5	3.7	3.8	3.7
3	3.4	2.1	2.4	2.0	2.0	1.8	5.1	7.0	3.7	3.6	3.7	3.9
4	3.3	2.1	2.3	1.9	1.8	1.8	6.1	7.5	3.6	3.4	3.7	3.9
5	3.2	2.1	e2.3	1.9	1.7	1.8	7.1	6.9	3.4	3.3	3.7	4.0
6	3.3	2.1	e2.4	1.9	1.7	1.8	6.8	6.1	3.2	3.3	3.6	3.8
7	3.3	2.1	e2.4	1.9	e1.7	1.9	6.1	5.5	3.2	3.3	3.6	3.7
8	3.2	2.1	e2.4	1.8	1.8	2.1	6.1	5.3	3.2	3.3	3.6	3.8
9	3.1	2.0	e2.4	1.8	1.8	2.4	6.1	5.3	3.1	3.4	3.6	3.8
10	3.1	2.0	e2.4	1.8	1.8	2.5	6.2	5.3	3.0	3.3	3.7	3.9
11	3.1	2.1	e2.5	1.8	1.8	2.5	6.3	5.2	3.0	3.4	3.8	4.1
12	3.1	2.1	2.5	1.8	1.8	2.5	6.6	4.5	2.9	3.3	3.8	4.1
13	3.2	2.1	2.6	1.8	1.8	2.5	6.7	4.4	2.7	3.2	3.6	2.6
14	3.2	2.1	e2.5	1.9	1.8	2.8	5.8	4.4	2.6	3.1	3.7	2.8
15	2.9	2.1	2.5	1.9	1.8	3.0	5.2	4.4	2.4	3.2	3.8	4.0
16	2.7	2.1	2.3	1.8	e1.8	3.3	4.6	4.4	2.2	3.3	3.6	3.8
17	2.6	2.1	2.3	1.8	e1.9	3.4	4.2	4.3	2.3	3.4	3.5	3.8
18	2.4	2.1	2.2	1.8	e2.0	3.5	4.0	4.1	2.3	3.5	3.5	3.8
19	2.3	2.1	2.1	1.8	2.1	4.3	4.0	4.0	2.2	3.5	3.6	3.9
20	2.3	2.3	2.1	1.9	2.0	4.6	4.1	3.9	2.1	3.5	3.5	3.9
21	2.3	2.3	2.2	1.8	1.9	5.1	4.0	3.8	2.1	3.5	3.9	3.6
22	2.3	2.3	2.2	1.8	2.0	5.7	3.9	3.8	2.1	3.5	3.8	3.6
23	2.2	2.2	2.2	1.7	1.9	6.6	4.0	3.8	2.2	3.5	3.9	3.7
24	2.2	2.2	e2.3	1.8	1.9	6.1	4.5	3.7	2.2	3.5	4.0	3.8
25	2.3	2.2	e2.2	1.8	e2.0	5.2	5.3	3.6	2.4	3.6	3.9	3.8
26	2.2	2.3	e2.2	1.8	e2.1	4.6	6.2	3.6	2.3	3.7	4.0	3.8
27	2.2	2.3	2.1	1.8	2.1	4.0	7.2	3.7	2.3	3.6	4.0	3.8
28	2.2	2.3	2.1	1.8	1.8	4.2	7.2	4.7	2.3	3.6	3.9	3.9
29	2.1	2.3	e2.2	1.7	1.8	4.9	5.9	4.1	2.3	3.7	3.8	3.9
30	2.2	2.4	e2.2	1.7	---	5.8	5.4	3.6	2.3	3.7	3.8	3.3
31	2.1	---	2.2	1.7	---	6.1	---	3.4	---	3.7	3.8	---
TOTAL	84.6	64.8	71.4	56.9	54.1	110.6	164.4	146.6	80.4	106.6	115.9	112.0
MEAN	2.73	2.16	2.30	1.84	1.87	3.57	5.48	4.73	2.68	3.44	3.74	3.73
MAX	3.4	2.4	2.6	2.1	2.1	6.6	7.2	7.5	3.7	3.7	4.0	4.1
MIN	2.1	2.0	2.1	1.7	1.7	1.8	3.9	3.4	2.1	3.0	3.5	2.6
AC-FT	168	129	142	113	107	219	326	291	159	211	230	222

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2004, BY WATER YEAR (WY)

MEAN	2.27	2.40	2.29	2.45	2.79	2.89	5.06	8.08	6.37	3.31	2.41	2.23
MAX	5.42	6.55	5.83	8.74	10.3	6.10	13.2	20.7	27.4	11.7	7.22	5.06
(WY)	(1984)	(1984)	(1984)	(1997)	(1986)	(1986)	(1997)	(1997)	(1983)	(1983)	(1983)	(1983)
MIN	0.97	0.94	1.08	1.01	1.04	1.29	2.09	1.08	0.93	0.86	0.67	0.70
(WY)	(2002)	(1991)	(1995)	(1995)	(1992)	(1991)	(1991)	(1992)	(1992)	(1977)	(1977)	(1977)

10348460 FRANKTOWN CREEK NEAR CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1974 - 2004	
ANNUAL TOTAL	1,122.2		1,168.3			
ANNUAL MEAN	3.07		3.19		3.55	
HIGHEST ANNUAL MEAN					7.67	1983
LOWEST ANNUAL MEAN					1.45	1992
HIGHEST DAILY MEAN	11	May 24	7.5	May 4	65	Feb 16, 1986
LOWEST DAILY MEAN	1.9	Jan 3	1.7	Jan 23	0.48	Sep 9, 1976
ANNUAL SEVEN-DAY MINIMUM	1.9	Jan 12	1.7	Jan 26	0.49	Sep 13, 1976
MAXIMUM PEAK FLOW			9.5	May 4	89	Feb 16, 1986
MAXIMUM PEAK STAGE			1.73	May 4	3.64	Feb 16, 1986
ANNUAL RUNOFF (AC-FT)	2,230		2,320		2,580	
10 PERCENT EXCEEDS	3.7		5.1		7.1	
50 PERCENT EXCEEDS	2.6		3.2		2.4	
90 PERCENT EXCEEDS	2.0		1.8		1.2	

e Estimated

10348700 WASHOE LAKE NEAR CARSON CITY, NV

LOCATION (REVISED).--Lat 39°14'08.72", long 119°46'25.84" referenced to North American Datum of 1983, in NE ¼ SE ¼ sec. 19, T.16 N., R.20 E., Washoe County, Hydrologic Unit 16050102, at Washoe Lake State Park, and 4.75 mi north of Carson City.

DRAINAGE AREA.--83.8 mi^2, including Little Washoe Lake.

PERIOD OF RECORD.--April 1963 to September 1982, July 1988 to January 1989, July and August 1989, October 1989, March 1990 to February 1995 (monthend contents only), October 1982 to June 30, 1988, February 19 to July 17, and September 1-30, 1989, November 17, 1989 to February 21, 1990, March 24, 1995 to current year (daily elevations). During periods of low lake elevations, the lake level was not monitored continuously and elevations obtained were instantaneous readings.

GAGE.--Water-stage recorder. Datum of gage is above National Geodetic Vertical Datum of 1929. Prior to October 1, 1982, nonrecording gage at different site but same datum.

REMARKS.--Lake is formed by a natural basin whose natural rim falls below the control works on Little Washoe Lake allowing storage regulation. Total capacity 55,700 acre-ft between elevations 5,017.5 ft and 5,032.7 ft. Figures given herein represent total contents including Scripps Wildlife Management Area Marsh. Two transarea diversions enter the lakes, one from Galena Creek and one from Third Creek into Ophir Creek. Franktown Creek is diverted into the Virginia City-Carson City pipeline and during dry years additional water is pumped from Marlette Lake into Hobart Reservoir and released into Franktown Creek for diversion into the Virginia City-Carson City pipeline at Red House. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes. Lake elevations may be affected by wind and seiche movements of the lake surface.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5,032.62 ft, January 28, 1997; no contents at times some years.

EXTREMES FOR CURRENT YEAR.--Maximum observed elevation, 5,021.16 ft, March 4; minimum observed, no contents, August 30.

Capacity table (elevation, in feet, and volume, in acre-feet)

5,018	100	5,022	7,000	5,026	21,700	5,030	43,300
5,019	800	5,023	10,000	5,027	26,600	5,031	49,200
5,020	2,200	5,024	13,400	5,028	32,000	5,032	55,700
5,021	4,300	5,025	17,300	5,029	37,400	5,032.7	60,600

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND TOTAL CONTENTS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30	5,020.73	3,730	-
October 31	5,019.77	1,780	-1,950
November 30	5,019.63	1,550	-230
December 31	5,019.69	1,640	+90
CALENDAR YEAR 2003	--	--	-4,910
January 31	5,020.11	2,430	+790
February 29	5,021.00	4,300	+1,870
March 31	5,020.96	4,220	-80
April 30	5,020.62	3,500	-720
May 31	5,020.26	2,750	-750
June 30	5,019.67	1,610	-1,140
July 31	5,018.95	750	-860
August 31	--	0	-750
September 30	--	0	0
WATER YEAR 2004	--	--	-3,730

NOTE.--Monthend elevations are interpolated from readings made during the year.

10348800 LITTLE WASHOE LAKE NEAR STEAMBOAT, NV

LOCATION.--Lat 39°19'45", long 119°48'00" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 24, T.17 N., R.19 E., Washoe County, Hydrologic Unit 16050102, at outlet (head of Steamboat creek), and 5.5 mi southwest of Steamboat.

DRAINAGE AREA.--83.8 mi^2, includes Washoe Lake.

PERIOD OF RECORD.--April 1963 to September 1970, October 1982 to current year (monthly observations only), October 1970 to September 1982 (daily elevations).

GAGE.--Nonrecording gage. Datum of gage is above National Geodetic Vertical Datum of 1929. From October 1970 to September 1982, recording gage at same site and datum.

REMARKS.--Lake is formed by a natural basin supplemented by a control works downstream from the natural rim which provides storage regulation for both Little Washoe Lake and Washoe Lake. See additional remarks under "Washoe Lake (station 10348700)." See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 5,031.8 ft, April 1, 1986; no contents September 13 to December 3, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 5026.6 ft, April 6; minimum observed, 5023.2 ft, October 8.

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND TOTAL CONTENTS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30	5,023.4	80	--
October 31	5,023.3	73	-7
November 30	5,023.8	110	+37
December 31	5,025.9	290	+180
CALENDAR YEAR 2003	--		+120
January 31	5,025.8	280	-10
February 29	5,026.4	340	+60
March 31	5,026.6	360	+20
April 30	5,026.3	330	-30
May 31	5,025.6	260	-70
June 30	5,024.9	192	-68
July 31	5,024.0	125	-67
August 31	5,023.4	80	-45
September 30	5,022.9	46	-34
WATER YEAR 2004	--	--	-34

NOTE.--Monthend elevations are interpolated from readings made during the year.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10348850 GALENA CREEK AT GALENA CREEK STATE PARK

LOCATION.--Lat 39°21'16", long 119°51'27" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec. 09, T.17 N., R.19 E., Washoe County, Hydrologic Unit 16050102, on right bank, at Galena State Park, 0.2 mi west of State Highway 431, and 3.5 mi northwest of Washoe City.

DRAINAGE AREA.--7.69 mi^2.

PERIOD OF RECORD.--October 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,320 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,610 ft^3/s, January 2, 1997, gage height, 5.54 ft, from slope-area measurement of peak flow; minimum daily, 1.6 ft^3/s, August 10, 2004.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 40 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 4	1830	*25	*11.17				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	5.8	5.5	6.1	4.9	4.8	7.1	13	12	6.7	4.6	3.4
2	4.5	e6.0	e5.5	7.7	5.0	4.7	6.6	16	12	6.6	4.8	3.5
3	4.0	6.0	5.3	5.5	4.9	4.7	7.0	17	12	6.5	4.9	3.8
4	4.0	e6.0	5.3	5.2	4.8	4.7	8.1	18	12	6.3	4.8	3.8
5	4.1	5.8	6.5	5.2	e4.8	4.7	9.0	18	12	5.8	4.7	3.7
6	4.4	e6.0	6.7	5.2	4.8	4.8	8.8	17	12	5.6	4.8	3.5
7	4.5	5.8	5.5	5.2	4.8	5.0	8.6	17	12	5.6	4.8	3.2
8	4.5	5.8	e6.0	5.2	e4.8	5.3	8.8	16	11	5.5	4.6	2.5
9	4.6	5.9	e6.0	5.2	e4.8	5.6	8.9	16	11	5.7	2.8	2.6
10	4.6	6.1	e6.0	5.2	4.8	5.7	9.1	15	11	5.6	1.6	1.9
11	4.3	e6.0	e6.0	5.2	4.7	5.6	9.3	14	10	5.5	3.5	2.4
12	4.3	6.0	e6.0	5.2	e4.8	5.7	9.7	13	9.6	5.5	4.7	4.1
13	4.3	6.0	5.6	5.2	4.7	5.9	9.6	13	9.4	5.3	4.9	4.2
14	4.5	6.1	e6.0	5.2	4.7	6.2	9.0	14	9.3	5.1	4.7	4.4
15	4.6	6.0	e6.0	5.2	4.8	6.5	8.7	14	9.0	5.0	4.9	4.4
16	4.7	6.4	e6.0	5.1	6.0	6.5	8.2	14	8.8	5.1	5.0	4.3
17	4.5	6.1	5.2	5.1	5.4	6.7	7.7	14	8.8	5.1	4.5	4.3
18	4.5	6.0	5.2	5.1	4.9	7.0	7.3	14	8.7	5.0	4.5	4.6
19	4.8	6.0	5.2	5.0	5.1	7.2	7.0	14	8.4	5.0	4.3	4.9
20	4.7	6.0	5.4	5.0	4.6	7.4	6.9	14	8.0	4.9	4.2	4.9
21	4.7	6.2	5.2	5.0	4.6	8.2	6.9	14	7.8	4.9	4.0	4.4
22	4.7	e6.0	5.3	e5.0	4.6	8.6	6.6	14	7.6	4.8	4.1	4.4
23	4.8	e6.0	5.3	4.8	4.5	8.9	6.8	14	7.3	5.0	4.1	4.3
24	4.9	e6.0	5.7	4.9	4.6	8.4	7.7	13	7.4	5.1	4.0	4.2
25	5.0	e6.0	5.5	4.8	e4.8	7.6	8.7	13	7.2	5.1	3.8	4.3
26	5.0	e6.0	e6.5	4.8	e4.8	7.1	9.8	13	6.7	5.1	4.0	4.4
27	5.0	e6.0	e6.5	4.9	e4.8	6.7	11	14	6.7	5.2	4.0	4.4
28	5.3	6.0	e6.5	4.8	e4.8	6.8	13	13	6.7	5.1	3.9	4.5
29	5.6	5.9	6.9	4.9	4.7	7.4	12	11	6.8	5.0	3.8	4.8
30	5.6	5.5	6.3	5.0	---	7.9	12	12	6.7	4.7	3.7	5.0
31	5.1	---	5.3	4.9	---	7.7	---	12	---	4.7	3.4	---
TOTAL	145.5	179.4	179.9	160.8	140.3	200.0	259.9	444	277.9	166.1	130.4	119.1
MEAN	4.69	5.98	5.80	5.19	4.84	6.45	8.66	14.3	9.26	5.36	4.21	3.97
MAX	5.6	6.4	6.9	7.7	6.0	8.9	13	18	12	6.7	5.0	5.0
MIN	4.0	5.5	5.2	4.8	4.5	4.7	6.6	11	6.7	4.7	1.6	1.9
AC-FT	289	356	357	319	278	397	516	881	551	329	259	236

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	7.04	7.09	6.48	13.2	6.57	7.92	12.9	21.8	24.0	13.7	7.89	6.52
MAX	15.9	17.3	12.3	151	13.6	17.1	25.0	48.3	58.5	48.0	25.8	15.6
(WY)	(1985)	(1985)	(1985)	(1997)	(1997)	(1997)	(1997)	(1997)	(1996)	(1995)	(1995)	(1995)
MIN	3.25	4.01	4.13	3.86	4.06	5.15	5.04	7.31	4.90	3.59	3.23	3.03
(WY)	(2002)	(2002)	(2003)	(1993)	(1993)	(2002)	(1991)	(1992)	(2001)	(2001)	(2001)	(1991)

10348850 GALENA CREEK AT GALENA CREEK STATE PARK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	3,074.1		2,403.3			
ANNUAL MEAN	8.42		6.57		11.3	
HIGHEST ANNUAL MEAN					30.2	1997
LOWEST ANNUAL MEAN					5.21	1992
HIGHEST DAILY MEAN	57	Jun 1	18	May 4	900	Jan 2, 1997
LOWEST DAILY MEAN	1.2	Feb 7	1.6	Aug 10	1.2	Feb 7, 2003
ANNUAL SEVEN-DAY MINIMUM	2.9	Feb 4	2.8	Sep 5	2.6	Sep 14, 1991
MAXIMUM PEAK FLOW			25	May 4	2,610	Jan 2, 1997
MAXIMUM PEAK STAGE			11.17	May 4	6.47	May 26, 1999
ANNUAL RUNOFF (AC-FT)	6,100		4,770		8,170	
10 PERCENT EXCEEDS	14		12		21	
50 PERCENT EXCEEDS	5.8		5.4		7.2	
90 PERCENT EXCEEDS	4.5		4.3		4.2	

e Estimated

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10349300 STEAMBOAT CREEK AT STEAMBOAT, NV

LOCATION (REVISED).--Lat 39°22'37.68", long 119°44'37.17" referenced to North American Datum of 1983, in SE ¼ SW ¼ sec. 33, T.18 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on left bank, downstream of bridge at Rhodes Road, 250 ft upstream from Steamboat Ditch, and 11 mi southeast of Reno.

DRAINAGE AREA.--123 mi^2.

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 4,600 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair except period September 1-20, which are poor due to a leak in the control. Many diversions for irrigation above station. Flow partly regulated by Washoe Lake (station 10348700). See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,600 ft^3/s, February 17, 1986, gage height, 6.79 ft, from rating curve extended above 954 ft^3/s, on basis of slope-area measurement of peak flow; no flow, September 9-15, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 47 ft^3/s, February 25, gage height, 2.00 ft; minimum daily discharge, 0.00 ft^3/s, September 2, 3, 4.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.60	1.3	1.5	7.8	4.7	6.6	4.7	6.2	8.1	2.3	0.28	0.02
2	0.68	1.5	1.4	6.3	5.0	8.4	6.4	7.8	8.7	2.2	0.24	0.00
3	0.73	1.8	1.3	5.9	5.3	7.6	6.4	7.9	8.4	2.2	0.24	0.00
4	0.80	1.9	1.2	4.7	4.9	8.6	6.8	9.2	8.6	2.2	0.27	0.00
5	0.87	2.3	1.2	4.4	4.9	8.0	6.1	14	7.3	2.0	0.27	0.03
6	0.91	2.1	1.3	5.3	5.0	6.7	7.9	14	5.1	1.8	0.17	0.02
7	1.0	1.9	1.6	6.1	5.3	6.3	10	12	5.7	1.4	0.16	0.02
8	0.90	2.6	1.4	6.1	5.1	6.9	11	12	7.5	1.6	0.24	0.05
9	0.85	3.7	1.2	5.4	5.0	6.7	8.4	11	11	1.6	0.23	0.10
10	1.1	3.2	1.9	5.2	4.9	6.6	9.9	11	8.6	1.3	0.17	0.15
11	1.1	2.1	1.8	5.2	4.9	6.3	8.0	12	7.5	1.3	0.14	0.05
12	1.2	2.0	1.6	5.0	4.7	6.4	6.6	13	6.3	0.91	0.10	0.02
13	1.2	1.9	1.7	5.0	4.9	6.2	6.3	11	5.2	0.74	0.14	0.03
14	1.3	1.7	2.6	4.9	4.8	5.7	5.4	9.6	4.7	0.82	0.18	0.06
15	0.96	1.7	2.1	4.8	4.8	6.1	6.4	11	4.4	0.81	0.27	0.06
16	0.81	1.6	2.0	4.9	5.7	6.8	5.4	8.7	3.5	0.60	0.31	0.08
17	0.85	1.6	2.0	5.0	7.9	7.6	4.1	8.5	3.9	0.77	0.25	0.08
18	0.75	1.6	2.1	5.0	9.4	6.1	4.8	7.9	3.9	0.88	0.20	0.08
19	0.70	1.4	2.2	5.0	6.3	2.7	4.3	9.9	4.0	0.89	0.24	0.16
20	0.88	1.4	2.4	5.2	5.8	2.6	4.2	11	2.9	0.87	0.27	0.35
21	0.95	1.3	2.6	5.1	5.8	4.6	4.3	9.8	2.5	0.84	0.26	0.31
22	0.78	1.5	2.3	4.8	6.0	5.0	4.4	9.9	2.7	0.65	0.11	0.35
23	0.86	1.4	2.3	4.9	5.6	5.6	3.7	9.1	2.7	0.52	0.12	0.39
24	0.94	1.5	4.0	5.7	6.0	5.1	3.7	6.5	2.2	0.46	0.10	0.23
25	0.91	1.6	4.5	5.1	16	4.5	3.4	6.5	2.1	0.45	0.06	0.19
26	0.84	1.5	3.3	4.8	12	5.1	3.9	7.9	2.1	0.36	0.07	0.14
27	0.89	1.4	2.6	5.2	9.8	6.0	4.8	9.4	2.3	0.42	0.18	0.13
28	0.99	1.3	2.6	5.0	7.6	5.1	6.4	11	2.2	0.36	0.14	0.13
29	0.97	1.2	5.4	4.9	6.1	4.5	7.3	11	2.2	0.28	0.11	0.16
30	1.0	1.5	4.9	4.9	---	4.3	6.1	8.8	2.2	0.24	0.11	0.24
31	1.2	---	4.5	4.6	---	4.2	---	8.7	---	0.31	0.12	---
TOTAL	28.52	53.5	73.5	162.2	184.2	182.9	181.1	306.3	148.5	32.08	5.75	3.63
MEAN	0.92	1.78	2.37	5.23	6.35	5.90	6.04	9.88	4.95	1.03	0.19	0.12
MAX	1.3	3.7	5.4	7.8	16	8.6	11	14	11	2.3	0.31	0.39
MIN	0.60	1.2	1.2	4.4	4.7	2.6	3.4	6.2	2.1	0.24	0.06	0.00
AC-FT	57	106	146	322	365	363	359	608	295	64	11	7.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2004, BY WATER YEAR (WY)

MEAN	7.24	8.81	12.2	21.2	27.1	28.3	26.2	30.9	36.9	20.6	10.5	7.94
MAX	41.6	85.0	149	247	241	187	146	132	223	176	101	57.5
(WY)	(1984)	(1984)	(1984)	(1997)	(1997)	(1986)	(1986)	(1983)	(1983)	(1983)	(1983)	(1983)
MIN	0.07	1.12	2.23	3.04	2.20	2.23	1.61	0.68	0.61	0.21	0.01	0.01
(WY)	(2002)	(1991)	(1991)	(1962)	(1991)	(2001)	(1988)	(1992)	(1992)	(1988)	(2001)	(2001)

10349300 STEAMBOAT CREEK AT STEAMBOAT, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1962 - 2004	
ANNUAL TOTAL	1,435.96		1,362.18			
ANNUAL MEAN	3.93		3.72		19.8	
HIGHEST ANNUAL MEAN					115	1983
LOWEST ANNUAL MEAN					1.92	1992
HIGHEST DAILY MEAN	33	May 29	16	Feb 25	1,220	Feb 17, 1986
LOWEST DAILY MEAN	0.09	Aug 20	0.00	Sep 2	0.00	Sep 9, 1977
ANNUAL SEVEN-DAY MINIMUM	0.17	Aug 14	0.01	Sep 1	0.00	Sep 9, 1977
MAXIMUM PEAK FLOW			47	Feb 25	3,600	Feb 17, 1986
MAXIMUM PEAK STAGE			2.00	Feb 25	6.79	Feb 17, 1986
ANNUAL RUNOFF (AC-FT)	2,850		2,700		14,320	
10 PERCENT EXCEEDS	7.8		8.4		61	
50 PERCENT EXCEEDS	2.0		2.6		5.9	
90 PERCENT EXCEEDS	0.60		0.17		1.0	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10349495 STEAMBOAT CREEK AT GEIGER GRADE NEAR STEAMBOAT, NV

LOCATION (REVISED).--Lat 39°24'08.29", long 119°44'37.61" referenced to North American Datum of 1983, in NE ¼ NW ¼ sec. 28, T.18 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on left bank 0.1 mi east of the junction of State Route 341 (Geiger Grade) and U.S. 395 near Steamboat.

DRAINAGE AREA.-- 140 mi^2, approximately.

PERIOD OF RECORD.--May to September 1982, May 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,543 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Many diversions for irrigation above station. Flow partly regulated by Washoe Lake (station 10348700). See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 135 ft^3/s, June 19, 1982; no flow June 21, 29, 30, July 1, 9-23, 2003.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum daily discharge, 3,600 ft^3/s, February 17, 1986, from slope-area determination in vicinity of present gage.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 36 ft^3/s, February 25, gage height, 8.13 ft; minimum daily discharge, 0.00 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.12	0.17	0.32	4.6	2.3	0.60	3.9	0.53	0.11	0.02	0.03	0.09
2	0.13	0.16	0.31	3.3	2.8	1.5	5.6	0.20	0.05	0.02	0.05	0.14
3	0.14	0.17	0.28	2.9	3.2	1.3	5.7	0.17	0.03	0.01	0.03	0.13
4	0.14	0.18	0.27	1.9	3.1	2.2	6.3	0.10	0.02	0.00	0.02	0.13
5	0.14	0.18	0.24	1.7	3.1	2.3	5.5	0.36	0.02	0.00	0.02	0.11
6	0.16	0.17	0.25	2.1	3.2	1.9	6.6	0.43	0.20	0.04	0.02	0.13
7	0.15	0.17	0.26	2.3	3.0	1.4	9.5	0.15	0.25	0.07	0.02	0.10
8	0.15	0.18	0.25	2.6	2.6	1.7	11	0.25	0.32	0.10	0.01	0.10
9	0.14	0.23	0.24	2.1	2.7	1.7	8.5	0.29	0.51	0.10	0.01	0.15
10	0.14	0.23	0.32	1.9	2.3	1.7	6.8	0.48	0.42	0.11	0.01	0.38
11	0.15	0.22	0.38	1.9	2.4	1.7	0.68	0.66	0.17	0.11	0.01	1.4
12	0.15	0.22	0.37	1.7	2.3	1.8	0.48	1.1	0.14	0.14	0.00	2.9
13	0.15	0.25	0.30	1.7	2.2	2.0	0.43	0.36	0.10	0.10	0.00	0.32
14	0.15	0.25	0.50	1.6	2.3	1.9	0.39	0.18	0.09	0.09	0.02	0.22
15	0.15	0.24	0.33	1.6	2.3	2.3	0.36	0.34	0.15	0.10	0.04	0.23
16	0.14	0.22	0.31	1.5	2.5	2.6	0.35	0.11	0.35	0.10	0.03	0.27
17	0.14	0.23	0.33	1.4	4.9	3.5	0.35	0.07	0.33	0.10	0.03	0.28
18	0.14	0.27	0.39	1.5	3.2	3.2	0.35	0.05	0.31	0.11	0.01	0.23
19	0.14	0.28	0.44	1.4	0.61	1.8	0.33	0.05	0.28	0.12	0.01	0.28
20	0.14	0.31	0.52	1.4	0.49	1.6	0.28	0.07	0.21	0.10	0.01	0.31
21	0.15	0.35	0.70	1.3	0.53	3.4	0.27	0.07	0.17	0.10	0.02	0.19
22	0.14	0.37	0.68	1.2	0.85	4.0	0.27	0.07	0.11	0.06	0.01	0.11
23	0.14	0.36	0.72	1.2	1.8	4.7	0.27	0.06	0.13	0.02	0.00	0.09
24	0.14	0.34	1.2	1.5	2.9	4.5	0.24	0.06	0.16	0.01	0.00	0.08
25	0.14	0.33	1.6	1.4	10	3.5	0.23	0.06	0.14	0.00	0.00	0.07
26	0.14	0.31	1.1	1.3	3.1	4.2	0.26	0.13	0.15	0.00	0.00	0.07
27	0.14	0.30	0.87	1.7	1.1	5.3	0.26	0.16	0.13	0.00	0.00	0.06
28	0.14	0.33	0.71	2.2	0.64	4.7	0.27	0.19	0.22	0.01	0.03	0.06
29	0.15	0.27	1.4	2.3	0.51	4.0	1.3	0.23	0.12	0.02	0.59	0.06
30	0.15	0.35	2.0	2.3	---	3.9	13	0.22	0.06	0.01	2.2	0.06
31	0.16	---	1.5	2.4	---	3.8	---	0.19	---	0.02	0.08	---
TOTAL	4.45	7.64	19.09	59.9	72.93	84.70	89.77	7.39	5.45	1.79	3.31	8.75
MEAN	0.14	0.25	0.62	1.93	2.51	2.73	2.99	0.24	0.18	0.06	0.11	0.29
MAX	0.16	0.37	2.0	4.6	10	5.3	13	1.1	0.51	0.14	2.2	2.9
MIN	0.12	0.16	0.24	1.2	0.49	0.60	0.23	0.05	0.02	0.00	0.00	0.06
AC-FT	8.8	15	38	119	145	168	178	15	11	3.6	6.6	17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004, BY WATER YEAR (WY)

MEAN	0.36	1.03	2.38	2.62	2.82	2.85	2.18	15.7	17.9	13.6	3.06	3.75
MAX	0.62	1.76	3.75	3.68	3.50	3.56	2.99	61.2	88.8	67.2	14.5	16.7
(WY)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(1982)	(1982)	(1982)	(1982)	(1982)
MIN	0.14	0.25	0.62	1.93	2.45	2.26	0.83	0.24	0.04	0.01	0.07	0.20
(WY)	(2004)	(2004)	(2004)	(2004)	(2002)	(2002)	(2002)	(2004)	(2003)	(2003)	(2003)	(2003)

10349495 STEAMBOAT CREEK AT GEIGER GRADE NEAR STEAMBOAT, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1982 - 2004	
ANNUAL TOTAL	470.13		365.17			
ANNUAL MEAN	1.29		1.00		1.27	
HIGHEST ANNUAL MEAN					1.69	2003
LOWEST ANNUAL MEAN					1.00	2004
HIGHEST DAILY MEAN	5.7	Apr 13	13	Apr 30	135	Jun 19, 1982
LOWEST DAILY MEAN	0.00	Jun 21	0.00	Jul 4	0.00	Jun 21, 2003
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 9	0.00	Aug 21	0.00	Jul 9, 2003
MAXIMUM PEAK FLOW			36	Feb 25	135	Jun 19, 1982
MAXIMUM PEAK STAGE			8.13	Feb 25	8.02	Dec 16, 2002
ANNUAL RUNOFF (AC-FT)	933		724		918	
10 PERCENT EXCEEDS	3.6		2.9		3.4	
50 PERCENT EXCEEDS	0.25		0.26		0.38	
90 PERCENT EXCEEDS	0.02		0.02		0.03	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10349849 STEAMBOAT CREEK AT SHORT LANE AT RENO, NV

LOCATION.--Lat 39°27'57", long 119°43'39" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec. 34, T.19 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on right bank, downstream of culvert over Short Lane.

DRAINAGE AREA.-- Not determined.

PERIOD OF RECORD.--April to September 1982, October 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,415 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Many diversions for irrigation above station. Flow partly regulated by Washoe Lake (station 10348700). See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes. Records furnished by Washoe County for 1982 water year and reviewed by U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 149 ft^3/s, June 20, 1982; minimum daily, 1.3 ft^3/s, July 29-30, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 50 ft^3/s, February 26, gage height, 2.56 ft; minimum daily discharge, 1.3 ft^3/s, July 29, 30.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	3.8	5.2	13	9.8	13	9.5	16	7.8	3.2	1.9	2.2
2	2.9	4.0	6.0	14	11	19	10	11	6.1	3.4	1.9	2.0
3	3.1	4.2	6.1	12	11	19	11	11	6.1	3.0	1.8	2.6
4	3.2	3.8	5.7	10	11	18	12	12	7.5	2.7	1.6	2.8
5	3.2	4.2	6.4	9.6	11	19	11	11	6.4	2.3	1.7	2.7
6	3.3	4.2	6.1	10	11	14	9.6	8.5	6.6	3.3	1.9	2.7
7	3.2	4.5	6.9	12	11	12	9.5	9.2	6.6	2.1	2.2	2.6
8	3.2	4.4	6.5	13	11	12	6.5	11	6.7	1.9	2.1	2.6
9	3.0	5.5	6.0	12	11	12	7.5	13	15	2.0	2.0	2.6
10	2.7	5.7	7.5	11	10	11	8.8	13	23	2.0	2.0	2.4
11	3.3	4.9	7.6	12	9.9	9.5	8.9	17	12	1.7	1.9	2.8
12	3.4	5.0	7.4	12	10	10	7.6	17	7.3	2.0	1.8	3.2
13	3.4	5.3	7.2	12	9.8	10	6.7	16	7.4	2.1	1.9	2.7
14	3.5	6.0	8.7	11	10	10	6.9	13	8.0	2.1	1.8	2.5
15	3.2	5.3	8.8	12	10	10	7.2	11	6.6	1.8	2.0	2.9
16	3.1	5.4	7.3	12	11	10	7.3	11	7.8	1.7	2.2	2.6
17	3.1	5.6	6.2	11	13	11	8.4	9.7	6.9	1.7	2.5	2.8
18	3.2	5.3	6.2	10	13	12	7.7	8.7	6.0	1.7	2.7	3.7
19	3.3	4.8	6.7	10	12	11	7.7	8.4	4.7	1.4	2.3	4.2
20	3.3	4.7	7.0	12	11	8.3	7.4	8.0	3.7	1.8	2.1	4.7
21	3.3	4.3	8.2	12	10	8.6	8.3	8.8	4.5	1.8	1.9	4.7
22	3.5	4.6	7.5	10	11	9.7	7.0	9.5	3.7	1.8	2.1	4.1
23	3.5	4.2	7.1	9.5	11	10	7.2	9.5	2.6	1.7	2.7	3.6
24	3.4	4.4	7.9	11	12	10	7.5	8.2	2.2	1.8	2.5	3.4
25	3.5	4.4	9.8	11	18	9.3	6.5	7.0	2.3	1.7	2.1	2.9
26	3.5	5.1	8.7	9.9	30	9.6	5.7	5.6	1.9	1.6	1.8	2.6
27	3.6	5.2	7.2	10	18	10	5.5	4.8	2.0	1.5	1.7	2.4
28	3.6	5.4	6.4	11	15	11	5.6	6.0	3.0	1.5	2.0	2.4
29	3.4	5.4	7.6	11	13	9.9	5.5	9.3	3.5	1.3	2.6	2.3
30	3.2	5.3	13	11	---	9.5	18	11	3.0	1.3	3.4	2.3
31	3.4	---	10	10	---	9.7	---	16	---	1.4	2.8	---
TOTAL	101.6	144.9	228.9	347.0	355.5	358.1	248.0	331.2	190.9	61.3	65.9	88.0
MEAN	3.28	4.83	7.38	11.2	12.3	11.6	8.27	10.7	6.36	1.98	2.13	2.93
MAX	3.6	6.0	13	14	30	19	18	17	23	3.4	3.4	4.7
MIN	2.7	3.8	5.2	9.5	9.8	8.3	5.5	4.8	1.9	1.3	1.6	2.0
AC-FT	202	287	454	688	705	710	492	657	379	122	131	175

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004, BY WATER YEAR (WY)

MEAN	5.07	7.92	12.7	12.8	13.0	12.0	8.51	22.1	26.8	18.6	7.37	10.5
MAX	8.43	11.1	15.2	14.0	16.4	15.8	10.4	74.1	103	82.6	24.2	34.6
(WY)	(2001)	(2001)	(2002)	(2003)	(2001)	(2001)	(2002)	(1982)	(1982)	(1982)	(1982)	(1982)
MIN	3.28	4.83	7.38	11.2	10.9	9.21	7.55	6.49	3.09	1.98	2.13	2.93
(WY)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2001)	(2001)	(2004)	(2004)	(2004)

10349849 STEAMBOAT CREEK AT SHORT LANE AT RENO, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1982 - 2004	
ANNUAL TOTAL	2,848.6		2,521.3			
ANNUAL MEAN	7.80		6.89		8.25	
HIGHEST ANNUAL MEAN					8.93	2003
LOWEST ANNUAL MEAN					6.89	2004
HIGHEST DAILY MEAN	31	Jun 7	30	Feb 26	149	Jun 20, 1982
LOWEST DAILY MEAN	1.5	Jul 31	1.3	Jul 29	1.3	Jul 29, 2004
ANNUAL SEVEN-DAY MINIMUM	1.9	Jul 26	1.5	Jul 25	1.5	Jul 25, 2004
MAXIMUM PEAK FLOW			50	Feb 26	149	Jun 20, 1982
MAXIMUM PEAK STAGE			2.56	Feb 26	3.03	Dec 16, 2002
ANNUAL RUNOFF (AC-FT)	5,650		5,000		5,970	
10 PERCENT EXCEEDS	13		12		14	
50 PERCENT EXCEEDS	6.9		6.3		7.6	
90 PERCENT EXCEEDS	3.2		2.0		2.5	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10349980 STEAMBOAT CREEK AT CLEANWATER WAY NEAR RENO, NV

LOCATION.--Lat 39°30'47", long 119°42'41" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec. 14, T.19 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on right bank, 0.75 mi above confluence with Truckee River, and 2.0 mi east of Reno.

DRAINAGE AREA.--244 mi^2

PERIOD OF RECORD.--November 1992 to December 1996, January 1998 to current year. Records kept by Federal Court Watermaster July 1976 to September 1992. Prior to November 1992, published as "at Kimlick Lane."

GAGE.--Water-stage recorder. Datum of gage is 4,375 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Many diversions for irrigation above station. Flow partly regulated by Washoe Lake (station 10348700), Steamboat Ditch, and other municipal ponds. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,590 ft^3/s, March 10, 1995, gage height, 13.09 ft; maximum gage height, 21.90 ft, January 2, 1997, backwater from Truckee River; minimum daily, 0.63 ft^3/s, August 21, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 274 ft^3/s, February 25, gage height, 7.15 ft; minimum daily discharge, 9.0 ft^3/s, October 17.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	15	19	e20	22	51	32	32	32	17	24	22
2	16	15	18	e20	23	106	33	33	23	17	19	21
3	16	15	18	e20	29	87	35	31	16	19	22	21
4	17	15	18	e20	25	69	36	33	16	18	23	24
5	16	15	19	e23	25	70	35	31	18	21	20	23
6	14	17	18	e25	27	64	33	27	17	19	19	22
7	15	17	21	e28	28	53	33	28	19	18	19	22
8	15	17	20	e28	28	48	27	26	20	15	18	22
9	13	27	18	e26	27	45	28	37	35	15	16	20
10	12	24	24	26	28	43	25	31	43	17	14	23
11	14	21	28	25	26	37	24	64	33	18	14	23
12	13	18	25	23	26	39	22	42	26	24	13	23
13	11	18	23	22	26	41	21	39	27	18	29	20
14	12	21	59	22	26	41	20	39	26	15	19	24
15	11	19	38	21	27	39	23	38	23	17	26	26
16	10	19	e23	20	28	38	19	36	22	21	27	23
17	9.0	18	e20	20	34	40	17	32	23	29	19	24
18	9.6	18	e20	21	31	42	18	32	23	29	20	26
19	9.8	21	e20	19	28	41	18	30	22	31	20	29
20	15	19	e20	41	27	35	19	28	19	25	20	33
21	9.4	16	e20	35	27	39	21	29	17	23	21	37
22	9.3	16	e20	28	33	41	20	33	20	26	20	32
23	10	15	e20	22	30	45	20	34	17	25	22	21
24	9.8	15	e20	22	29	43	19	32	16	25	26	16
25	9.6	15	e20	23	113	40	18	30	16	27	27	13
26	9.4	17	e20	21	124	39	17	30	16	26	23	11
27	10	17	e20	22	62	39	16	25	17	27	23	10
28	16	17	e20	24	45	38	17	28	19	27	24	11
29	19	19	e20	23	39	34	19	33	19	25	26	11
30	17	19	e20	24	---	34	30	34	15	26	24	10
31	15	---	e20	23	---	33	---	37	---	25	25	---
TOTAL	398.9	535	689	737	1,043	1,454	715	1,034	655	685	662	643
MEAN	12.9	17.8	22.2	23.8	36.0	46.9	23.8	33.4	21.8	22.1	21.4	21.4
MAX	19	27	59	41	124	106	36	64	43	31	29	37
MIN	9.0	15	18	19	22	33	16	25	15	15	13	10
AC-FT	791	1,060	1,370	1,460	2,070	2,880	1,420	2,050	1,300	1,360	1,310	1,280

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	32.5	31.4	42.7	44.5	60.4	71.8	58.3	83.6	72.9	48.4	37.1	41.4
MAX	66.6	61.0	131	67.1	135	148	132	194	149	108	66.7	90.2
(WY)	(1999)	(1999)	(1997)	(1999)	(1999)	(1996)	(1998)	(1996)	(1998)	(1995)	(1999)	(1998)
MIN	3.64	12.4	13.0	23.8	27.6	29.3	22.6	31.2	21.7	7.11	1.82	2.11
(WY)	(1995)	(1995)	(1995)	(2004)	(1994)	(2003)	(1993)	(2002)	(1994)	(1994)	(1994)	(1994)

10349980 STEAMBOAT CREEK AT CLEANWATER WAY NEAR RENO, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	11,373.9		9,250.9			
ANNUAL MEAN	31.2		25.3		49.4	
HIGHEST ANNUAL MEAN					94.2	1996
LOWEST ANNUAL MEAN					22.5	1994
HIGHEST DAILY MEAN	71	Aug 22	124	Feb 26	1,140	Mar 11, 1995
LOWEST DAILY MEAN	9.0	Oct 17	9.0	Oct 17	0.63	Aug 21, 1994
ANNUAL SEVEN-DAY MINIMUM	9.6	Oct 21	9.6	Oct 21	0.93	Aug 15, 1994
MAXIMUM PEAK FLOW			274	Feb 25	1,590	Mar 10, 1995
MAXIMUM PEAK STAGE			7.15	Feb 25	21.90	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	22,560		18,350		35,770	
10 PERCENT EXCEEDS	46		38		104	
50 PERCENT EXCEEDS	31		22		35	
90 PERCENT EXCEEDS	16		15		17	

e Estimated

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10350000 TRUCKEE RIVER AT VISTA, NV

LOCATION.--Lat 39°31'14", long 119°42'00" referenced to North American Datum of 1927, in SW ¼ SE ¼ sec. 11, T.19 N., R.20 E., Washoe County, Hydrologic Unit 16050102, 0.4 mi south of Vista, 600 ft downstream from Steamboat Creek, on the northeast side of Reno-Sparks Sewage Treatment Plant, and at mi 53.38 upstream from Marble Bluff Dam.

DRAINAGE AREA.--1,431 mi^2.

PERIOD OF RECORD.--August 1899 to December 1907, January 1932 to December 1954, October 1958 to current year. Monthly discharge only for some periods, published in WSP 1314 and 1734.

REVISED RECORDS.--WSP 1634: 1904. WSP 1734: 1907 (M). WDR NV-75-1: 1963 (M). WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,367.60 ft above National Geodetic Vertical Datum of 1929, from levels from U.S. Coast and Geodetic Benchmark. Prior to April 16, 1907, nonrecording gages at several sites at various datums in vicinity of previous gage site 1.2 mi downstream. May to December 1907 reference point on railroad bridge 1.0 mi downstream. January 1932 to December 1954, October 1958 to August 17, 1959, water-stage recorder at site 0.9 mi downstream at datum 5.59 ft higher. August 18, 1959 to December 9, 1959, staff gage at different datum. December 10 1959 to September 30, 1993, at site 1.2 mi downstream at datum 0.99 ft higher.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lake Tahoe (station 10337000), Prosser Creek (station 10340300), Stampede (station 10344300), and Boca (station 10344490) Reservoirs, and other lakes, combined capacity 1,070,000 acre-ft. Several powerplants and many diversions above station. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,900 ft^3/s, February 1, 1963, gage height, 16.76 ft, maximum gage height, 24.16 ft, January 2, 1997; minimum daily, 7.0 ft^3/s August 26, 1935.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height known. 17.04 ft from floodmarks, December 1955, at site and datum used 1958-59, discharge about 15,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,280 ft^3/s, March 24, gage height, 6.36 ft; minimum daily discharge, 97 ft^3/s, September 30.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	418	445	256	471	264	485	808	657	756	396	410	258
2	358	370	247	406	279	598	778	701	767	392	419	267
3	363	378	288	428	279	491	777	776	728	362	395	259
4	350	418	312	379	283	450	807	848	661	354	375	278
5	347	529	250	318	265	463	865	903	554	405	385	255
6	396	523	196	354	264	459	903	855	511	399	337	281
7	361	486	440	361	273	471	853	883	559	345	344	325
8	352	485	366	366	264	489	835	915	469	322	338	296
9	348	497	361	363	265	502	837	908	459	347	351	305
10	346	473	404	376	257	558	800	912	471	306	326	328
11	366	437	394	379	265	639	783	974	406	304	306	316
12	372	424	364	367	252	655	792	882	377	400	297	316
13	380	403	326	323	253	686	813	823	370	350	333	336
14	376	413	420	295	256	698	780	836	422	340	321	358
15	358	420	293	295	252	768	742	795	466	322	369	342
16	319	417	253	290	264	829	689	797	336	303	436	410
17	311	407	248	287	494	896	692	784	300	373	361	515
18	307	408	243	289	557	909	666	799	325	339	298	520
19	308	403	243	284	494	973	641	723	320	374	268	513
20	329	396	281	340	488	1,010	698	742	326	357	277	529
21	326	401	314	310	462	1,030	692	789	407	368	288	517
22	317	375	282	285	448	1,110	744	839	418	354	276	493
23	326	381	270	272	430	1,210	716	856	382	373	301	451
24	312	385	329	272	411	1,220	698	846	363	371	332	242
25	307	375	442	284	662	1,130	734	705	344	378	268	195
26	321	368	382	271	767	1,050	783	613	328	400	255	136
27	326	367	304	266	595	892	827	599	349	374	263	160
28	336	361	281	282	515	843	853	820	415	367	279	133
29	351	358	332	271	469	834	777	761	443	368	286	99
30	347	303	364	272	---	869	665	696	378	370	291	97
31	431	---	411	262	---	848	---	727	---	384	272	---
TOTAL	10,765	12,406	9,896	10,018	11,027	24,065	23,048	24,764	13,410	11,197	10,057	9,530
MEAN	347	414	319	323	380	776	768	799	447	361	324	318
MAX	431	529	442	471	767	1,220	903	974	767	405	436	529
MIN	307	303	196	262	252	450	641	599	300	303	255	97
AC-FT	21,350	24,610	19,630	19,870	21,870	47,730	45,720	49,120	26,600	22,210	19,950	18,900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1899 - 2004, BY WATER YEAR (WY)

MEAN	430	553	670	756	896	1,016	1,306	1,683	1,206	532	352	382
MAX	1,304	2,650	3,705	6,858	4,066	5,420	4,979	5,643	5,740	3,007	1,476	1,529
(WY)	(1908)	(1984)	(1984)	(1997)	(1986)	(1986)	(1907)	(1952)	(1983)	(1983)	(1907)	(1983)
MIN	41.7	87.7	94.9	122	121	197	233	103	46.2	79.8	36.7	28.8
(WY)	(1934)	(1933)	(1933)	(1991)	(1991)	(1933)	(1977)	(1934)	(1934)	(1992)	(1935)	(1935)

10350000 TRUCKEE RIVER AT VISTA, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1899 - 2004	
ANNUAL TOTAL	182,516		170,183			
ANNUAL MEAN	500		465		815	
HIGHEST ANNUAL MEAN					2,786	1983
LOWEST ANNUAL MEAN					158	1992
HIGHEST DAILY MEAN	1,440	May 30	1,220	Mar 24	17,400	Feb 1, 1963
LOWEST DAILY MEAN	196	Dec 6	97	Sep 30	7.0	Aug 26, 1935
ANNUAL SEVEN-DAY MINIMUM	247	Aug 11	152	Sep 24	9.7	Aug 21, 1935
MAXIMUM PEAK FLOW			1,280	Mar 24	18,900	Feb 1, 1963
MAXIMUM PEAK STAGE			6.36	Mar 24	24.16	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	362,000		337,600		590,800	
10 PERCENT EXCEEDS	871		824		1,840	
50 PERCENT EXCEEDS	408		378		500	
90 PERCENT EXCEEDS	300		268		199	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10350340 TRUCKEE RIVER NEAR TRACY, NV

LOCATION.--Lat 39°33'24", long 119°33'08" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec. 31, T.20 N., R.22 E., Washoe County, Hydrologic Unit 16050102, on left bank, upstream side of bridge, 1.5 mi upstream from Tracy power plant, 11.5 mi east of Sparks and at mi 42.75 upstream from Marble Bluff Dam.

DRAINAGE AREA.--1,580 mi^2.

PERIOD OF RECORD.--June 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,300 ft above National Geodetic Vertical Datum of 1929, from topographic map. Replaces gage (10350400) Truckee River below Tracy, operated 1.5 mi downstream and destroyed in January 1997 flood. Low flows not equivalent due to diversions between sites.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by Lake Tahoe (station 10337000), Martis Creek Lake (station 10339380), Prosser Creek (station 10340300), Stampede (station 10344300) and Boca (station 10344490) Reservoirs, Donner (station 10338400) and Independence (station 10342900) Lakes, and several powerplants. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,980 ft^3/s, March 24, 1998, gage height, 13.60 ft; minimum daily, 85 ft^3/s, September 30, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,340 ft^3/s, March 24, gage height, 8.72 ft; minimum daily discharge, 85 ft^3/s, September 30.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	432	458	298	443	286	476	832	655	768	362	415	266
2	374	393	285	438	293	603	797	703	774	370	418	277
3	369	387	307	422	305	519	795	774	736	370	410	265
4	368	411	352	391	304	456	823	849	684	357	399	288
5	365	525	304	356	290	458	880	908	600	378	405	265
6	394	543	226	363	285	460	931	872	555	390	368	280
7	391	503	397	380	288	470	884	872	581	362	376	327
8	376	490	428	379	285	489	862	936	522	345	367	319
9	361	513	366	378	283	500	861	913	500	364	380	311
10	365	491	416	386	277	553	823	922	514	344	350	339
11	379	455	413	389	282	631	802	977	452	353	314	334
12	393	438	391	384	271	658	802	913	431	401	299	332
13	393	420	362	354	264	694	824	838	421	386	327	342
14	394	422	415	328	269	709	799	851	451	365	332	373
15	381	429	344	317	268	773	750	815	492	363	347	364
16	351	430	284	316	266	844	692	814	394	340	404	386
17	334	422	278	310	435	912	696	785	362	369	354	503
18	333	420	273	313	565	930	670	801	362	367	312	526
19	331	419	264	312	506	989	629	736	359	380	286	537
20	352	408	285	355	488	1,030	692	735	346	383	293	566
21	350	417	352	338	462	1,060	687	779	386	385	298	566
22	344	404	314	315	452	1,140	738	820	389	387	287	512
23	351	390	299	300	438	1,250	721	828	367	399	302	490
24	342	399	317	289	412	1,280	693	819	349	401	333	277
25	334	396	444	304	578	1,170	726	701	329	405	293	205
26	344	386	407	299	825	1,110	781	640	313	421	267	133
27	349	389	344	282	614	932	822	623	329	403	270	142
28	354	386	294	302	533	869	859	814	363	399	294	136
29	370	386	342	296	477	851	798	821	396	397	288	96
30	367	354	374	294	---	885	674	736	376	401	305	85
31	422	---	403	283	---	881	---	744	---	398	292	---
TOTAL	11,363	12,884	10,578	10,616	11,301	24,582	23,343	24,994	13,901	11,745	10,385	9,842
MEAN	367	429	341	342	390	793	778	806	463	379	335	328
MAX	432	543	444	443	825	1,280	931	977	774	421	418	566
MIN	331	354	226	282	264	456	629	623	313	340	267	85
AC-FT	22,540	25,560	20,980	21,060	22,420	48,760	46,300	49,580	27,570	23,300	20,600	19,520

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	457	469	512	531	756	1,199	1,311	1,500	1,198	610	419	469
MAX	693	606	958	904	2,345	2,507	2,266	3,098	3,296	1,463	632	718
(WY)	(1999)	(1999)	(1999)	(1999)	(1999)	(1997)	(1998)	(1999)	(1998)	(1998)	(1998)	(1998)
MIN	367	400	328	342	377	437	487	395	414	339	252	328
(WY)	(2004)	(2002)	(2003)	(2004)	(2002)	(2002)	(2001)	(2001)	(2001)	(2002)	(2002)	(2004)

10350340 TRUCKEE RIVER NEAR TRACY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	186,017		175,534			
ANNUAL MEAN	510		480		758	
HIGHEST ANNUAL MEAN					1,387	1999
LOWEST ANNUAL MEAN					471	2001
HIGHEST DAILY MEAN	1,430	May 30	1,280	Mar 24	5,220	Mar 24, 1998
LOWEST DAILY MEAN	226	Dec 6	85	Sep 30	85	Sep 30, 2004
ANNUAL SEVEN-DAY MINIMUM	279	Aug 11	153	Sep 24	126	Dec 7, 2002
MAXIMUM PEAK FLOW			1,340	Mar 24	6,980	Mar 24, 1998
MAXIMUM PEAK STAGE			8.72	Mar 24	13.60	Mar 24, 1998
ANNUAL RUNOFF (AC-FT)	369,000		348,200		549,300	
10 PERCENT EXCEEDS	904		824		1,490	
50 PERCENT EXCEEDS	408		393		496	
90 PERCENT EXCEEDS	325		288		343	

10350500 TRUCKEE RIVER AT CLARK, NV

LOCATION (REVISED).--Lat 39°33'55.63", long 119°29'10.27" referenced to North American Datum of 1983, in SE ¼ SW ¼ sec. 26, T.20 N., R.22 E., Storey County, Hydrologic Unit 16050102, on left bank, about 250 ft downstream from Clark bridge, about 2 mi downstream from cooling pond outlet at Tracy power plant, about 0.2 mi west of Clark, and at mi 38.60, upstream from Marble Bluff Dam. Prior to January 16, 1985, at site about 200 ft upstream on right bank.

DRAINAGE AREA.--1,600 mi^2.

PERIOD OF RECORD.--Water years 1972 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1983 to September 1988; September 1993 to September 1998; November 2000 to current year.
WATER TEMPERATURE: June 1972 to September 1977; June 1978 to September 1998; November 2000 to current year.

INSTRUMENTATION.--Specific-conductance recorder from October 1983 to September 1988, hourly; August 1993 to September 1998 and November 2000 to current year, four times per hour. Temperature recorder from June 1972 to September 1977, continuous; June 1978 to February 1980, four times per hour; March 1980 to May 1982, two times per hour; June 1982 to May 1990, hourly; June to October 1990, four times per hour; November 1990 to July 1993, hourly; August 1993 to September 1998; November 2000 to current year, four times per hour.

REMARKS.--Instantaneous specific-conductance and water-temperature measurements during site visit can be slightly outside the range of values recorded during the same day by the water-quality monitor. This presumably is due to fluctuations in conductance and temperature during the interval between periodic monitor recordings. In April 1993, station incorporated into the National Water-Quality Assessment Program (NAWQA) to monitor water-quality conditions in the Truckee River Basin. Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data."

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 709 microsiemens/cm at 25°C, November 6, 1994; minimum, 62 microsiemens/cm at 25°C, February 17, 1986.
WATER TEMPERATURE: Maximum recorded, 29.5°C, June 4, 1977 (temperature presumably higher during period of recorder malfunction in June 1977); minimum, freezing point on several days during winter months of some years.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 438 microsiemens/cm, September 30; minimum, 132 microsiemens/cm, May 10, 11.
WATER TEMPERATURE: Maximum, 25.0°C, July 6,7, 20-24; minimum, 0.0°C, January 5.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)
OCT												
20...	1110	Environmental	349	--	--	--	8.2	240	--	15.1	66	81
DEC												
12...	1120	Environmental	378	653	11.1	100	7.7	272	4.5	4.5	71	87
FEB												
25...	0905	Environmental	398	645	9.5	91	7.4	259	6.5	6.4	71	87
APR												
19...	1115	Environmental	645	654	9.8	100	7.4	176	--	9.5	51	63
MAY												
13...	1100	Environmental	896	655	9.7	110	7.4	149	21.5	14.2	47	58
JUN												
17...	1050	Environmental	371	652	10.1	129	7.9	205	27.0	19.7	59	72
JUL												
20...	1040	Environmental	353	655	8.0	109	7.4	214	29.5	23.3	66	81
AUG												
09...	1115	Environmental	327	663	9.0	120	7.4	216	34.0	22.6	63	77
09...	1120	**Pesticide Spike**	--	--	--	--	--	--	--	--	--	--

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Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
				Nitrite . 0 . 0 . 0 0 8

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	[a]alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)
OCT													
20...	<.006	<.006	<.006	<.004	<.005	92.2	E.004t	<.050	<.010	<.002	E.006t	<.020	<.005
DEC													
12...	<.006	<.006	<.006	<.005	<.005	92.8	E.006n	<.050	<.010	<.004	E.013t	<.020	<.005
FEB													
25...	<.006	<.006	<.006	<.005	<.005	96.0	<.007	<.050	<.010	<.004	E.007t	<.020	<.005
APR													
19...	<.006	<.006	<.006	<.005	<.005	101	<.007	<.050	<.010	<.004	<.041	<.020	<.005
MAY													
13...	<.006	<.006	<.006	<.005	<.005	92.7	<.007	<.050	<.010	<.004	E.015t	<.020	<.005
JUN													
17...	<.006	<.006	<.006	<.005	<.005	101	<.007	<.050	<.010	<.004	<.041	<.040	<.005
JUL													
20...	<.006	<.006	<.006	<.005	<.005	102	<.007	<.050	<.010	<.004	E.007t	<.020	<.005
AUG													
09...	<.006	<.006	<.006	<.005	<.005	82.5	<.007	<.050	<.010	<.004	<.041	<.020	<.005
09...	.098	E.041	.133	.127	.104	87.6	.120	E.102	.089	.110	E.110	E.170	.111

Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	[a]Diazinon-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)
OCT													
20...	<.006	<.018	<.003	<.004	<.005	97.4	<.005	<.02	<.002	<.009	<.005	<.009	<.005
DEC													
12...	<.006	<.018	E.003n	<.012	<.005	133	<.009	<.02	<.004	<.009	<.005	<.029	<.013
FEB													
25...	<.006	<.018	<.003	<.012	<.005	115	<.009	<.02	<.004	<.009	<.005	<.029	<.013
APR													
19...	<.006	<.018	.004	<.012	<.005	116	<.009	<.02	<.004	<.009	<.005	<.029	<.013
MAY													
13...	<.006	<.018	.005	<.012	<.005	115	<.009	<.02	<.004	<.009	<.005	<.029	<.013
JUN													
17...	<.006	<.018	<.003	<.012	<.005	122	<.009	<.02	<.004	<.009	<.005	<.029	<.013
JUL													
20...	<.006	<.018	<.003	<.012	<.005	117	<.009	<.02	<.004	<.009	<.005	<.029	<.013
AUG													
09...	<.006	<.018	<.003	<.012	<.005	104	<.009	<.02	<.004	<.009	<.005	<.029	<.013
09...	.059	.134	.112	.126	.121	110	.120	.05	.100	.112	.125	E.148	.124

Date	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p-' DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)
OCT													
20...	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
DEC													
12...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
FEB													
25...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
APR													
19...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
MAY													
13...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
JUN													
17...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
JUL													
20...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
AUG													
09...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
09...	.120	E.192	.116	.108	E.038	.115	.101	.128	.088	.115	.132	.065	.117

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)
OCT													
20...	<.004	<.022	<.011	Mt	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005
DEC													
12...	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010
FEB													
25...	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.016	<.02	<.034	<.02	<.010
APR													
19...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010
MAY													
13...	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010
JUN													
17...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	.010	<.02	<.034	<.02	<.010
JUL													
20...	<.004	<.022	<.011	E0.0048	<.007	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010
AUG													
09...	<.004	<.022	<.011	<.01	<.005	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010
09...	.112	.110	.093	.12	.117	.131	.146	E.19	.114	.14	E.140	.08	.125

Date	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
20...	<.002	<.009	80	7	6.6
DEC					
12...	<.002	<.009	96	7	7.1
FEB					
25...	<.002	<.009	95	17	18
APR					
19...	<.002	<.009	98	12	21
MAY					
13...	<.002	<.009	94	12	29
JUN					
17...	<.002	<.009	88	6	6.0
JUL					
20...	<.002	<.009	84	7	6.7
AUG					
09...	<.002	<.009	82	7	6.2
09...	.116	.091	--	--	--

Remark codes used in this table:
< -- Less than
E -- Estimated value
[a] -- Listed values are recovery percentages for indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

Value qualifier codes used in this table:
n -- Below the LRL and above the LT-MDL
t -- Below the long-term MDL

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	203	198	201	244	217	229	283	260	269	304	280	288
2	216	197	205	234	216	225	296	282	291	293	273	285
3	223	216	220	247	234	241	303	296	300	298	283	294
4	227	220	222	247	240	243	303	274	288	283	274	277
5	227	220	223	242	218	232	275	263	272	280	273	275
6	225	216	221	218	207	211	314	275	292	287	280	284
7	217	208	211	214	209	213	345	301	329	284	274	278
8	219	208	215	221	214	218	302	256	268	280	275	277
9	227	217	222	227	220	224	281	257	268	281	276	278
10	225	219	223	229	223	226	281	257	267	280	277	278
11	222	217	220	235	227	232	274	256	264	280	273	276
12	222	214	219	241	231	236	273	267	270	279	274	277
13	224	219	222	242	236	239	273	270	272	279	274	276
14	223	216	219	239	235	237	288	272	279	289	270	280
15	222	216	219	238	232	235	331	284	310	298	288	293
16	224	215	220	239	229	235	341	330	333	301	295	298
17	232	223	229	241	234	238	343	332	336	302	292	298
18	235	228	231	245	236	242	338	323	328	302	295	299
19	243	234	238	243	235	239	331	328	330	303	296	300
20	245	237	241	246	242	244	332	320	326	306	297	299
21	261	242	253	245	237	241	326	314	320	322	306	319
22	251	236	240	241	236	239	329	319	325	318	308	314
23	243	234	238	251	237	243	320	313	315	310	304	307
24	248	242	244	251	244	248	319	313	316	305	298	301
25	250	248	249	249	245	247	320	300	310	306	298	302
26	255	246	250	251	246	248	300	282	287	306	300	303
27	251	241	246	256	249	253	294	288	290	302	298	300
28	255	242	247	250	245	248	316	294	301	304	298	301
29	257	251	254	253	244	248	319	306	312	303	296	298
30	262	255	258	263	251	257	312	291	299	301	295	298
31	259	244	254	---	---	---	320	304	315	305	298	301
MONTH	262	197	231	263	207	237	345	256	299	322	270	292
		FEBRUARY			MARCH			APRIL			MAY	
1	307	300	304	283	273	279	169	163	167	183	162	177
2	307	301	303	305	278	285	165	162	163	183	172	177
3	304	297	301	317	303	308	169	162	165	179	166	174
4	304	293	299	325	317	321	174	167	171	168	158	164
5	302	291	297	323	319	321	173	170	172	161	147	155
6	299	293	296	321	311	317	171	167	170	150	142	147
7	302	297	299	312	300	306	171	166	168	147	139	143
8	304	296	300	301	289	296	171	162	169	143	133	138
9	304	296	300	293	274	288	168	158	165	144	134	138
10	304	297	300	283	265	276	163	155	160	141	132	137
11	304	288	298	271	251	262	160	156	158	150	132	138
12	298	289	292	251	236	244	164	159	162	150	144	147
13	296	291	293	240	234	237	165	160	162	155	149	152
14	295	287	292	238	230	235	160	151	156	157	153	155
15	296	291	293	231	220	228	160	151	156	158	152	155
16	302	295	299	221	207	214	172	160	165	160	152	156
17	308	289	301	207	197	203	170	161	166	157	148	152
18	290	233	256	198	193	196	172	163	169	151	145	149
19	234	227	230	195	190	193	175	168	172	153	142	149
20	248	226	241	191	179	185	180	168	173	157	148	153
21	246	241	244	180	178	179	172	167	169	155	149	152
22	255	242	249	183	177	180	172	163	168	154	149	151
23	262	252	257	178	169	173	166	160	163	158	146	154
24	262	255	259	171	165	168	168	163	165	154	147	152
25	265	255	262	166	161	163	173	162	168	158	143	152
26	273	234	251	162	152	160	170	160	165	167	151	163
27	286	273	282	164	156	160	163	156	161	171	163	168
28	278	267	271	170	164	168	160	150	156	169	151	163
29	279	265	272	177	170	173	153	150	151	151	145	148
30	---	---	---	177	169	172	163	151	158	164	151	159
31	---	---	---	170	167	168	---	---	---	165	156	162
MONTH	308	226	281	325	152	228	180	150	164	183	132	154

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	165	154	161	212	198	205	---	---	---	248	238	244
2	---	---	---	208	196	204	---	---	---	251	245	248
3	152	147	150	208	201	205	---	---	---	250	243	246
4	---	---	---	221	206	214	---	---	---	250	240	246
5	---	---	---	224	215	220	---	---	---	247	240	243
6	---	---	---	223	213	218	---	---	---	249	242	246
7	---	---	---	217	211	215	---	---	---	251	234	245
8	---	---	---	222	214	218	---	---	---	240	233	237
9	190	176	183	227	222	225	234	203	215	243	233	238
10	---	---	---	---	---	---	223	166	198	243	232	239
11	---	---	---	229	207	220	226	187	201	246	235	241
12	---	---	---	---	---	---	---	---	---	275	246	261
13	---	---	---	230	202	209	227	191	209	280	264	275
14	---	---	---	232	187	212	226	195	214	264	222	237
15	---	---	---	---	---	---	237	208	220	231	221	225
16	---	---	---	232	192	213	227	219	221	236	224	230
17	---	---	---	229	211	217	---	---	---	235	204	219
18	---	---	---	---	---	---	---	---	---	206	195	200
19	---	---	---	240	209	216	226	210	219	204	190	197
20	---	---	---	237	211	216	239	218	230	200	189	196
21	---	---	---	235	208	215	244	237	240	206	198	201
22	---	---	---	---	---	---	259	240	250	211	199	204
23	---	---	---	---	---	---	255	245	252	217	198	207
24	209	185	197	237	186	214	256	236	251	229	201	211
25	---	---	---	---	---	---	238	233	235	277	229	250
26	---	---	---	---	---	---	256	236	248	318	276	291
27	---	---	---	---	---	---	268	249	255	382	318	345
28	---	---	---	---	---	---	258	245	250	384	373	378
29	221	187	206	---	---	---	248	240	244	399	377	388
30	208	196	200	---	---	---	249	241	245	438	398	413
31	---	---	---	---	---	---	243	236	239	---	---	---
MONTH	221	147	183	240	186	214	268	166	232	438	189	253
YEAR	438	132	235									

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.0	17.0	18.0	9.0	7.5	8.0	7.0	5.5	6.5	4.5	3.5	4.0
2	19.0	16.5	17.5	8.0	7.0	7.0	8.0	6.5	7.0	4.0	2.5	3.0
3	18.0	16.5	17.5	8.0	6.5	7.0	8.5	7.0	7.5	2.5	1.5	2.0
4	18.0	16.0	17.0	8.0	6.0	7.0	7.5	6.5	7.0	1.5	0.5	1.0
5	18.0	16.5	17.5	8.5	7.0	7.5	7.5	6.0	6.5	1.5	0.0	1.0
6	18.0	16.0	17.0	8.0	6.5	7.5	8.5	7.5	8.0	2.5	1.5	2.0
7	18.0	16.0	17.0	8.0	7.5	7.5	8.5	7.5	8.0	3.5	2.0	2.5
8	18.0	15.5	17.0	8.5	7.5	8.0	7.5	5.5	6.0	4.0	3.0	3.5
9	17.5	15.5	16.5	9.0	7.5	8.0	5.5	4.5	4.5	5.0	3.5	4.0
10	15.5	14.0	14.5	9.0	7.5	8.0	5.5	4.0	4.5	5.5	4.0	4.5
11	14.5	12.5	13.5	8.5	7.0	8.0	5.0	4.0	4.5	5.5	4.0	5.0
12	15.0	13.0	14.0	8.0	6.5	7.5	5.0	4.0	4.5	5.5	4.0	5.0
13	14.0	12.5	13.5	9.0	7.0	8.0	6.0	4.5	5.5	5.5	4.0	4.5
14	14.0	11.5	13.0	8.5	7.0	7.5	6.0	5.0	5.5	5.5	4.0	4.5
15	13.5	12.0	12.5	8.0	7.0	7.5	5.0	4.0	4.5	5.5	4.0	5.0
16	14.0	11.5	13.0	7.5	6.5	7.0	4.0	3.0	4.0	5.5	4.0	5.0
17	14.5	12.5	14.0	8.0	6.5	7.5	4.0	3.0	3.5	5.5	4.0	5.0
18	15.0	13.0	14.0	8.5	7.0	8.0	4.0	2.5	3.0	5.5	4.0	5.0
19	15.5	13.5	14.5	8.5	7.0	8.0	4.0	3.0	3.5	6.0	4.5	5.0
20	16.0	13.5	15.0	8.5	7.0	7.5	5.0	4.0	4.5	6.0	5.0	5.5
21	15.5	14.0	15.0	7.5	6.0	7.0	7.0	5.0	6.0	5.5	4.0	4.5
22	15.5	13.5	14.5	6.0	4.5	5.5	7.0	6.0	6.5	4.5	3.5	4.0
23	15.5	14.0	14.5	4.5	3.0	4.0	6.0	5.5	6.0	4.0	2.5	3.5
24	14.5	13.0	14.0	4.5	2.5	3.5	6.0	5.5	5.5	5.0	3.5	4.0
25	13.5	12.0	12.5	5.0	3.5	4.0	5.5	4.5	5.0	4.5	3.0	4.0
26	13.0	11.0	12.0	5.5	3.5	4.5	4.5	3.0	3.5	4.0	3.0	4.0
27	13.0	11.0	12.5	5.0	3.5	4.5	3.0	1.5	2.5	4.0	3.0	3.5
28	14.0	11.5	13.0	5.5	4.0	5.0	2.0	1.5	2.0	5.0	3.5	4.5
29	13.5	12.0	13.0	6.0	5.0	5.5	3.5	2.0	3.0	6.5	4.5	5.5
30	12.5	10.5	11.5	6.5	6.0	6.5	4.5	3.0	4.0	6.0	5.0	5.5
31	10.5	8.5	9.5	---	---	---	4.5	3.5	4.0	6.5	4.5	5.5
MONTH	19.0	8.5	14.5	9.0	2.5	6.7	8.5	1.5	5.0	6.5	0.0	4.0
		FEBRUARY			MARCH			APRIL			MAY	
1	6.0	4.5	5.5	7.0	6.0	6.5	11.0	9.0	10.0	16.0	12.5	14.0
2	6.0	5.0	5.5	6.0	5.5	5.5	10.0	8.0	9.0	17.5	13.5	15.5
3	6.0	4.0	5.0	6.5	5.0	6.0	12.0	8.5	10.5	17.5	15.0	16.0
4	6.0	4.0	5.0	7.5	5.5	6.5	13.5	11.5	12.0	17.0	15.0	16.0
5	5.5	3.5	4.5	8.0	6.0	7.0	13.5	11.0	12.5	15.5	13.0	14.5
6	5.0	3.5	4.5	10.0	7.0	8.5	13.0	11.5	12.0	15.0	12.0	13.5
7	4.5	3.5	4.0	11.0	8.5	10.0	13.5	11.0	12.0	15.0	12.0	13.5
8	5.5	3.5	4.5	11.5	9.0	10.5	13.5	11.5	12.5	15.5	12.5	14.0
9	5.5	3.5	4.5	12.5	9.5	11.0	14.0	11.5	12.5	16.0	13.0	14.5
10	5.0	3.5	4.5	12.5	10.5	11.5	13.0	11.0	12.0	14.5	12.0	13.0
11	5.0	3.0	4.5	11.5	9.5	10.5	13.5	11.0	12.0	12.0	11.0	11.5
12	5.5	3.5	4.5	11.0	8.5	10.0	14.0	11.5	12.5	13.5	10.0	11.5
13	4.5	3.5	4.0	11.5	9.0	10.0	13.0	11.0	12.5	16.0	12.0	14.0
14	5.0	3.0	4.0	12.0	9.5	10.5	12.5	10.0	11.0	16.5	13.5	15.0
15	6.0	4.5	5.5	12.0	10.0	11.0	10.5	8.5	9.5	16.0	14.0	15.0
16	7.5	6.0	7.0	11.5	9.5	10.5	11.0	7.5	9.5	17.0	13.5	15.0
17	8.5	7.0	7.5	11.0	9.0	10.0	10.5	9.0	10.0	16.5	14.0	15.0
18	7.5	6.0	7.0	11.5	9.0	10.0	11.0	8.5	9.5	15.0	13.0	14.0
19	7.5	5.0	6.0	11.5	9.5	10.5	11.0	9.0	10.0	16.0	13.0	14.5
20	6.5	5.5	6.0	11.5	9.5	10.5	11.5	9.0	10.0	16.0	13.5	14.5
21	6.5	5.5	6.0	12.0	9.5	11.0	12.0	9.0	10.5	15.0	13.0	14.0
22	7.0	5.5	6.5	12.0	10.5	11.5	12.0	10.0	11.0	15.5	13.0	14.0
23	8.5	6.5	7.5	12.0	9.5	11.0	13.0	10.0	11.5	16.0	13.0	14.5
24	8.5	6.5	7.5	11.0	9.5	10.5	14.5	11.0	13.0	17.0	14.0	15.5
25	7.5	6.0	6.5	10.0	8.0	9.0	15.5	12.5	14.0	17.0	14.0	15.5
26	6.0	5.0	5.5	8.5	6.5	7.5	16.0	13.0	14.5	17.0	14.0	15.5
27	5.0	4.0	4.5	9.5	6.0	7.5	16.5	13.5	15.0	17.0	15.5	16.0
28	5.0	3.5	4.5	10.5	8.0	9.5	15.0	13.0	14.0	17.0	14.5	16.0
29	7.0	4.0	5.5	11.5	9.0	10.5	14.0	11.5	12.5	17.0	14.5	15.5
30	---	---	---	12.5	10.0	11.0	14.5	11.5	13.0	18.0	14.5	16.5
31	---	---	---	13.0	10.5	11.5	---	---	---	19.0	16.0	17.5
MONTH	8.5	3.0	5.4	13.0	5.0	9.6	16.5	7.5	11.7	19.0	10.0	14.7

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.5	16.5	18.0	21.0	18.0	19.5	23.5	20.5	22.0	23.0	20.5	21.5
2	20.0	17.0	18.5	22.0	18.5	20.0	23.0	20.5	22.0	22.0	19.5	21.0
3	19.5	17.0	18.0	22.5	20.0	21.5	22.5	19.5	21.0	19.5	18.0	19.0
4	19.5	16.0	17.5	23.5	20.5	22.0	22.5	19.5	21.0	20.0	17.5	18.5
5	19.5	16.5	18.0	24.5	21.5	23.0	22.0	19.5	21.0	20.5	17.5	19.0
6	19.5	16.5	18.0	25.0	22.0	23.5	22.0	19.5	20.5	22.0	19.0	20.5
7	19.5	17.0	18.0	25.0	22.5	23.5	22.0	19.0	20.5	22.0	19.5	20.5
8	17.5	15.0	16.5	24.0	21.5	23.0	23.0	20.0	21.5	22.0	19.5	20.5
9	15.0	14.0	14.5	23.5	21.5	22.5	24.0	21.0	22.5	21.5	19.0	20.0
10	17.0	13.0	15.0	23.0	20.5	22.0	24.0	20.5	22.5	21.0	18.5	19.5
11	18.5	15.0	16.5	23.0	20.0	21.5	24.0	21.0	22.5	21.0	18.0	19.5
12	20.0	16.5	18.0	23.5	20.5	22.0	23.5	21.5	22.5	20.0	18.5	19.0
13	21.0	18.0	19.5	24.0	21.0	22.5	23.0	21.5	22.0	19.5	17.0	18.5
14	22.0	19.0	20.5	23.5	21.0	22.5	24.5	21.0	22.5	19.0	16.5	18.0
15	21.5	19.5	20.5	23.0	20.5	22.0	23.5	21.5	22.0	19.0	16.5	18.0
16	21.0	19.0	20.0	23.5	20.5	22.0	21.5	20.5	21.0	20.0	17.0	18.5
17	20.5	18.5	19.5	23.5	21.0	22.5	22.5	19.5	21.0	19.5	17.0	18.5
18	21.0	18.0	19.5	24.0	21.5	22.5	23.5	20.0	22.0	18.0	15.0	16.5
19	22.0	18.5	20.5	24.5	22.0	23.0	24.0	21.5	22.5	15.0	13.0	14.0
20	22.5	19.0	21.0	25.0	21.5	23.5	23.5	21.0	22.0	14.0	12.0	13.0
21	23.0	20.0	21.5	25.0	22.0	23.5	23.0	21.0	22.0	14.5	12.0	13.5
22	23.0	20.5	21.5	25.0	22.0	23.5	22.0	19.5	21.0	15.5	13.0	14.5
23	23.0	20.5	21.5	25.0	22.5	23.5	20.0	18.0	19.0	17.0	14.0	15.5
24	22.0	20.0	21.0	25.0	22.5	23.5	21.0	18.0	19.5	18.0	15.0	16.5
25	22.5	19.5	21.0	24.5	21.5	23.0	21.0	18.5	20.0	19.0	16.0	17.5
26	22.5	19.5	21.0	24.0	21.5	23.0	19.0	18.0	18.5	19.5	16.5	18.0
27	22.5	19.5	21.0	24.0	21.0	22.5	20.0	17.0	18.5	19.5	16.5	18.0
28	22.5	20.5	21.0	24.5	21.5	23.0	21.0	18.0	19.5	19.5	16.5	18.0
29	21.5	19.5	20.5	24.0	21.5	22.5	22.0	19.0	20.5	18.5	16.0	17.5
30	21.0	18.5	20.0	23.0	20.5	22.0	23.0	20.0	21.5	19.5	16.0	17.5
31	---	---	---	23.5	20.0	22.0	23.0	20.0	21.5	---	---	---
MONTH	23.0	13.0	19.2	25.0	18.0	22.5	24.5	17.0	21.2	23.0	12.0	18.0
YEAR	25.0	0.0	12.7									

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10351300 TRUCKEE CANAL NEAR WADSWORTH, NV

LOCATION.--Lat 39°36'46", long 119°17'46" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec. 09, T.20 N., R.24 E., Storey County, Hydrologic Unit 16050102, Pyramid Indian Reservation, on left bank, 2.2 mi southwest of Wadsworth, and at mi 22.04 upstream from terminal weir at Lahontan Reservoir.

PERIOD OF RECORD.--October 1966 to current year.

REVISED RECORDS.--WDR NV-77-1: 1975.

GAGE.--Velocity-stage recorder. Elevation of gage is 4,200 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to May 23, 1994, at site 0.9 mi upstream, at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow is regulated by Derby Dam (including two wasteways between gage and Derby Dam) and many reservoirs, powerplants, and diversions above Derby Dam. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 967 ft^3/s March 10 1995; no flow at times, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 752 ft^3/s, March 18, gage height, 3.70 ft; minimum daily discharge, 38 ft^3/s, October 29, 30.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	245	241	359	216	403	625	320	552	183	162	173
2	71	290	219	403	219	486	e542	398	524	190	162	165
3	71	268	218	342	231	498	e500	400	509	192	166	167
4	71	282	259	336	231	423	e480	432	477	175	159	163
5	56	346	253	302	223	400	e450	477	423	173	155	170
6	45	398	202	278	214	402	e440	476	359	197	152	155
7	44	391	196	312	217	422	447	509	351	185	133	196
8	45	373	397	317	223	440	388	569	333	166	143	209
9	45	392	273	322	217	457	294	589	287	169	144	191
10	43	395	315	329	210	486	292	585	288	172	155	210
11	43	376	338	337	208	543	290	580	266	154	140	214
12	42	357	325	335	209	582	309	573	234	172	141	219
13	42	344	308	315	198	605	318	551	207	194	146	222
14	41	336	304	285	203	623	319	553	207	177	154	246
15	39	345	341	265	211	646	295	547	228	171	199	252
16	40	343	239	264	213	691	272	526	222	159	209	272
17	41	341	213	257	257	e700	409	511	189	162	221	372
18	45	333	199	259	484	e720	464	514	193	167	189	418
19	47	336	194	262	465	718	479	498	196	165	168	417
20	45	329	209	280	425	695	490	473	183	176	159	422
21	43	328	267	293	400	685	506	495	194	169	169	430
22	43	314	268	261	388	693	496	514	222	171	170	427
23	44	286	257	235	385	697	480	518	209	167	163	420
24	50	285	251	230	372	687	432	526	195	163	181	302
25	60	293	334	238	365	648	440	489	186	166	197	208
26	59	287	366	235	624	622	467	436	174	158	162	163
27	53	285	300	219	569	619	475	397	171	167	151	114
28	41	286	238	228	479	632	467	439	178	156	159	110
29	38	290	256	238	426	645	431	551	209	159	170	125
30	38	286	305	232	---	662	341	539	209	157	173	84
31	42	---	326	220	---	667	---	540	---	159	184	---
TOTAL	1,489	9,760	8,411	8,788	9,082	18,197	12,638	15,525	8,175	5,291	5,136	7,236
MEAN	48.0	325	271	283	313	587	421	501	272	171	166	241
MAX	71	398	397	403	624	720	625	589	552	197	221	430
MIN	38	245	194	219	198	400	272	320	171	154	133	84
AC-FT	2,950	19,360	16,680	17,430	18,010	36,090	25,070	30,790	16,220	10,490	10,190	14,350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2004, BY WATER YEAR (WY)

MEAN	215	249	224	175	187	249	290	327	257	205	186	193
MAX	522	535	660	520	633	722	870	822	822	458	339	340
(WY)	(1976)	(1969)	(1967)	(1967)	(1967)	(1989)	(1989)	(1978)	(1970)	(1971)	(1967)	(1969)
MIN	36.7	11.5	0.00	0.00	0.00	0.00	23.7	59.5	57.7	39.1	3.21	29.8
(WY)	(1993)	(2001)	(1976)	(1971)	(1971)	(1971)	(1998)	(1998)	(1992)	(1992)	(1994)	(1994)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1967 - 2004	
ANNUAL TOTAL	86,146		109,728			
ANNUAL MEAN	236		300		230	
HIGHEST ANNUAL MEAN					397	1978
LOWEST ANNUAL MEAN					42.8	2000
HIGHEST DAILY MEAN	819	Apr 1	720	Mar 18	967	Mar 10, 1995
LOWEST DAILY MEAN	16	Jan 17	38	Oct 29	0.00	Dec 14, 1967
ANNUAL SEVEN-DAY MINIMUM	21	Jan 13	41	Oct 11	0.00	Jan 4, 1968
ANNUAL RUNOFF (AC-FT)	170,900		217,600		166,700	
10 PERCENT EXCEEDS	552		539		489	
50 PERCENT EXCEEDS	173		266		196	
90 PERCENT EXCEEDS	45		138		17	

e Estimated

CARSON RIVER BASIN, CARSON DESERT

10351400 TRUCKEE CANAL NEAR HAZEN, NV

LOCATION.--Lat 39°30'14", long 119°02'39" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 22, T.19 N., R.26 E., Churchill County, Hydrologic Unit 16050203, on left bank, 500 ft downstream from Bango check dam, 4.0 mi southwest of Hazen, and at mi 3.35 upstream from terminal weir at Lahontan Reservoir.

PERIOD OF RECORD.--October 1966 to current year. Records since October 1, 1980, equivalent if records for the KX lateral are added to flow past station.

GAGE.--Water-stage recorder. Datum of gage is 4,166.53 ft above National Geodetic Vertical Datum of 1929, Bureau of Reclamation datum. Since October 1, 1980, at site 500 ft downstream from Bango check dam. From March 17, 1972, to September 30, 1980, gage on left bank, 0.1 mi downstream from Hazen check dam and auxiliary water-stage recorder 20 ft upstream from KX lateral diversion canal. October 1, 1967, to March 17, 1972, auxiliary water-stage recorder on right bank, approximately 6 mi downstream from base gage.

REMARKS.--No estimated daily discharges. Records excellent for daily discharges greater than 50 ft^3/s, and records good for daily discharges less than 50 ft^3/s. Flow regulated by Derby Dam, diversions, and spillways between Derby Dam and station. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 916 ft^3/s, February 3, 1967; no flow at times, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 738 ft^3/s, March 19, gage height, 11.35 ft; minimum daily discharge, 0.88 ft^3/s, October 15.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	138	251	306	207	374	595	258	491	122	84	106
2	9.2	302	217	345	208	398	515	272	487	109	101	108
3	8.5	284	206	324	214	469	463	316	457	90	93	106
4	8.0	275	216	319	221	401	432	263	428	114	63	91
5	19	299	240	295	220	362	381	275	363	102	61	109
6	16	426	211	263	211	350	374	331	271	124	77	105
7	13	407	153	273	209	353	339	382	286	103	65	109
8	14	356	288	285	211	362	352	411	276	81	75	144
9	12	347	299	285	210	373	231	441	257	48	59	106
10	7.8	382	269	284	208	387	206	505	267	55	60	94
11	4.1	362	307	291	201	430	212	483	253	66	68	102
12	5.2	327	309	295	205	497	248	485	197	68	82	107
13	5.1	319	292	287	196	525	252	492	176	79	78	122
14	1.5	301	270	263	192	555	254	457	141	73	50	133
15	0.88	313	311	244	197	570	245	446	110	76	95	210
16	0.91	320	256	236	196	624	223	457	186	93	222	203
17	0.97	318	212	234	195	674	282	455	120	69	154	234
18	1.2	307	199	232	338	716	394	437	114	84	138	284
19	1.6	306	190	234	430	729	396	461	106	102	127	329
20	1.4	304	184	238	392	687	404	398	115	114	71	339
21	1.8	296	210	267	370	657	442	377	126	89	42	362
22	1.6	300	242	252	351	657	434	404	121	74	108	366
23	3.4	290	227	234	344	654	425	447	134	43	107	335
24	3.1	285	221	224	331	666	383	433	102	39	110	258
25	5.7	292	245	218	313	640	340	425	80	56	102	93
26	29	289	325	227	488	619	378	383	65	76	92	74
27	35	283	297	223	606	609	401	328	62	79	80	44
28	28	283	250	215	488	613	410	299	53	54	80	40
29	13	281	222	226	416	601	408	487	53	30	73	53
30	8.8	279	253	222	---	616	321	530	97	70	77	51
31	64	---	279	214	---	615	---	481	---	74	91	---
TOTAL	333.76	9,271	7,651	8,055	8,368	16,783	10,740	12,619	5,994	2,456	2,785	4,817
MEAN	10.8	309	247	260	289	541	358	407	200	79.2	89.8	161
MAX	64	426	325	345	606	729	595	530	491	124	222	366
MIN	0.88	138	153	214	192	350	206	258	53	30	42	40
AC-FT	662	18,390	15,180	15,980	16,600	33,290	21,300	25,030	11,890	4,870	5,520	9,550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2004, BY WATER YEAR (WY)

MEAN	164	220	209	162	175	229	237	222	150	85.0	75.0	113
MAX	442	506	620	503	630	668	774	692	673	297	220	290
(WY)	(1976)	(1974)	(1967)	(1967)	(1967)	(1989)	(1989)	(1978)	(1970)	(1971)	(1976)	(1985)
MIN	1.00	2.64	0.00	0.00	0.00	0.00	0.15	0.09	0.28	0.34	0.06	0.52
(WY)	(1997)	(2001)	(1976)	(1971)	(1971)	(1971)	(1996)	(1996)	(1999)	(1992)	(1992)	(1994)

10351400 TRUCKEE CANAL NEAR HAZEN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1967 - 2004	
ANNUAL TOTAL	67,831.72		89,872.76			
ANNUAL MEAN	186		246		170	
HIGHEST ANNUAL MEAN					330	1978
LOWEST ANNUAL MEAN					2.32	1999
HIGHEST DAILY MEAN	813	Apr 1	729	Mar 19	916	Feb 3, 1967
LOWEST DAILY MEAN	0.88	Oct 15	0.88	Oct 15	0.00	Jan 7, 1968
ANNUAL SEVEN-DAY MINIMUM	1.2	Oct 14	1.2	Oct 14	0.00	Dec 11, 1970
ANNUAL RUNOFF (AC-FT)	134,500		178,300		123,000	
10 PERCENT EXCEEDS	509		462		445	
50 PERCENT EXCEEDS	93		237		95	
90 PERCENT EXCEEDS	5.0		47		0.77	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10351600 TRUCKEE RIVER BELOW DERBY DAM NEAR WADSWORTH, NV

LOCATION.--Lat 39°35'05", long 119°26'25" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec. 19, T.20 N., R.23 E., Storey County, Hydrologic Unit 16050102, on right bank, 1,500 ft downstream from Derby Dam, 3.2 mi downstream from Clark, 9 mi southwest of Wadsworth, and at mi 34.49 upstream from Marble Bluff Dam.

DRAINAGE AREA.--1,676 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1909 to December 1910, January to December 1916, January 1918 to July 1958, October 1958 to current year. Records prior to January 1918 not equivalent, due to site location above Derby Dam.

REVISED RECORDS.--WSP 1714: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,200 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lake Tahoe (station 10337000), Martis Creek Lake (station 10339380), Prosser Creek (station 10340300), Stampede (station 10344300) and Boca (station 10344490) Reservoirs, Donner (station 10338400) and Independence (station 10342900) Lakes, several powerplants, many diversions for irrigation, and by Derby Dam. Truckee Canal diverts water at Derby Dam out of basin to Lahontan Reservoir into the Carson River basin. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,700 ft^3/s, January 3, 1997, gage height, 14.57 ft; no flow some days, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 641 ft^3/s, April 8, gage height, 3.61 ft; minimum daily discharge, 22 ft^3/s, September 29.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	166	117	47	48	51	48	189	267	183	143	153	96
2	112	49	46	50	51	53	234	238	202	144	153	98
3	102	42	51	47	51	50	264	331	199	145	154	99
4	99	48	57	46	51	45	339	373	195	141	152	100
5	99	50	54	45	51	55	415	384	186	142	154	100
6	104	52	50	44	52	61	474	371	178	145	150	99
7	118	51	50	45	52	56	441	304	183	143	148	105
8	103	49	59	44	52	57	507	314	185	142	148	105
9	88	50	53	45	52	57	556	262	179	142	147	103
10	91	49	55	45	52	57	528	257	180	143	148	97
11	97	48	53	45	52	57	486	293	174	143	144	97
12	118	48	50	45	52	57	472	255	179	146	133	95
13	111	49	49	44	51	59	483	227	184	145	135	97
14	119	53	49	44	51	60	484	226	186	142	138	94
15	107	52	50	43	51	61	462	222	192	141	144	73
16	92	52	45	43	51	63	391	220	169	140	141	71
17	69	52	47	43	54	91	245	222	144	142	135	70
18	70	51	51	43	58	99	186	224	141	144	126	67
19	62	52	51	43	50	170	152	219	144	144	112	66
20	76	51	51	44	54	249	161	213	143	145	112	66
21	83	51	54	45	56	292	167	219	148	142	108	68
22	77	51	50	44	56	368	212	229	151	143	104	47
23	74	51	47	43	55	438	226	233	149	153	104	37
24	78	51	46	42	54	521	235	238	148	156	100	35
25	74	51	50	43	57	457	239	223	146	155	94	28
26	72	50	49	44	130	411	250	214	145	154	94	24
27	80	50	46	43	63	240	289	221	144	154	96	25
28	85	50	44	44	55	171	340	252	146	151	96	32
29	97	50	45	44	51	140	355	209	150	152	97	22
30	97	50	46	48	---	165	330	152	148	151	98	24
31	121	---	47	51	---	175	---	138	---	152	98	---
TOTAL	2,941	1,570	1,542	1,387	1,616	4,883	10,112	7,750	5,001	4,525	3,916	2,140
MEAN	94.9	52.3	49.7	44.7	55.7	158	337	250	167	146	126	71.3
MAX	166	117	59	51	130	521	556	384	202	156	154	105
MIN	62	42	44	42	50	45	152	138	141	140	94	22
AC-FT	5,830	3,110	3,060	2,750	3,210	9,690	20,060	15,370	9,920	8,980	7,770	4,240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2004, BY WATER YEAR (WY)

MEAN	87.8	162	333	430	538	570	741	1,024	669	180	81.7	88.7
MAX	776	2,629	3,722	6,672	3,846	4,054	3,395	4,587	5,099	2,478	716	1,071
(WY)	(1983)	(1984)	(1984)	(1997)	(1997)	(1986)	(1952)	(1952)	(1983)	(1983)	(1975)	(1983)
MIN	0.90	0.13	0.22	0.24	1.22	0.57	6.93	16.6	11.4	6.87	5.39	4.37
(WY)	(1995)	(1956)	(1962)	(1962)	(1961)	(1962)	(1931)	(1931)	(1960)	(1931)	(1931)	(1931)

10351600 TRUCKEE RIVER BELOW DERBY DAM NEAR WADSWORTH, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1918 - 2004	
ANNUAL TOTAL	68,996		47,383			
ANNUAL MEAN	189		129		407	
HIGHEST ANNUAL MEAN					2,430	1983
LOWEST ANNUAL MEAN					6.16	1931
HIGHEST DAILY MEAN	1,170	May 30	556	Apr 9	16,400	Jan 3, 1997
LOWEST DAILY MEAN	13	Mar 11	22	Sep 29	0.00	Jun 26, 1918
ANNUAL SEVEN-DAY MINIMUM	14	Mar 8	27	Sep 24	0.00	Nov 3, 1955
MAXIMUM PEAK FLOW			641	Apr 8	19,700	Jan 3, 1997
MAXIMUM PEAK STAGE			3.61	Apr 8	14.57	Jan 3, 1997
ANNUAL RUNOFF (AC-FT)	136,900		93,980		294,700	
10 PERCENT EXCEEDS	484		251		1,250	
50 PERCENT EXCEEDS	97		98		37	
90 PERCENT EXCEEDS	26		45		4.1	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1988 to 1996; 2001 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June 1988 to September 1996; October 2001 to current year.

INSTRUMENTATION.--Water temperature monitor June 1988 to September 1996, hourly; October 2001 to current year, four times per hour.

REMARKS.--Records represent water temperature at probe within 0.5°C.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum daily, 30.0°C, July 15, 1992; minimum, freezing point on several days during winter months in most years.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 26.5°C, July 21, 22; minimum, 0.0°C, January 4, 5.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	19.5	17.0	18.0	9.0	7.5	8.0	7.0	5.5	6.0	4.0	3.0	3.5
2	19.0	16.5	18.0	7.5	6.5	7.0	7.5	6.0	6.5	3.5	2.5	3.0
3	18.5	16.5	17.5	8.0	6.0	7.0	8.0	6.5	7.0	2.5	1.0	1.5
4	18.5	16.0	17.5	7.5	5.5	7.0	7.0	6.0	6.5	1.0	0.0	1.0
5	18.0	16.5	17.5	8.0	7.0	7.5	7.0	6.0	6.5	1.0	0.0	0.5
6	18.5	16.0	17.5	8.0	6.5	7.5	8.0	6.5	7.5	2.0	0.5	1.5
7	18.5	16.5	17.5	8.5	7.0	7.5	7.5	6.5	7.0	3.0	1.5	2.0
8	18.0	16.0	17.0	8.5	7.0	8.0	6.5	5.0	6.0	3.5	2.5	3.0
9	17.5	15.5	16.5	8.5	7.5	8.0	5.0	4.0	4.5	4.0	3.0	3.5
10	15.5	14.0	14.5	9.0	7.0	8.0	5.0	4.0	4.5	5.0	3.5	4.0
11	14.5	12.5	13.5	8.5	6.5	7.5	4.5	3.5	4.0	5.0	3.5	4.5
12	15.0	13.0	14.0	8.0	6.5	7.5	4.5	3.5	4.0	5.0	3.5	4.5
13	14.0	12.5	13.5	8.5	7.0	8.0	5.5	4.5	5.0	5.0	3.5	4.5
14	14.0	11.5	13.0	8.5	6.5	7.5	5.0	4.0	5.0	5.0	3.5	4.0
15	13.5	11.5	12.5	8.0	7.0	7.5	4.5	3.5	4.0	5.0	3.5	4.5
16	14.0	11.5	13.0	8.0	6.0	7.0	4.0	3.0	3.5	5.0	3.5	4.5
17	15.0	12.5	13.5	8.0	6.5	7.5	3.5	2.5	3.0	5.0	3.5	4.5
18	15.0	13.0	14.0	8.5	6.5	7.5	3.5	2.0	3.0	5.5	4.0	4.5
19	15.5	13.5	14.5	8.5	7.0	8.0	4.0	2.5	3.0	5.5	4.0	4.5
20	16.0	13.5	15.0	8.0	7.0	7.5	5.0	3.5	4.0	5.5	4.5	5.0
21	16.0	13.5	15.0	7.0	5.5	6.5	6.5	4.5	5.5	5.0	3.5	4.5
22	15.5	13.5	14.5	5.5	4.0	5.0	6.5	5.5	6.0	4.5	3.0	3.5
23	15.5	14.0	14.5	4.0	3.0	3.5	6.0	5.0	5.5	4.0	2.5	3.5
24	14.5	13.0	14.0	4.0	2.5	3.5	6.0	5.0	5.5	5.0	3.5	4.0
25	13.5	12.0	13.0	4.5	3.0	4.0	5.0	4.5	5.0	4.0	2.5	3.5
26	13.0	11.0	12.0	4.5	3.5	4.0	4.5	2.5	3.5	4.0	3.0	3.5
27	13.0	11.0	12.0	4.5	3.5	4.0	2.5	1.0	2.0	4.0	3.0	3.5
28	14.0	11.5	12.5	5.0	4.0	4.5	2.0	1.0	1.5	5.0	3.0	4.0
29	13.5	12.5	13.0	6.0	5.0	5.5	3.5	1.5	2.5	6.0	4.0	5.0
30	12.5	11.0	11.5	6.5	5.5	6.0	4.0	3.0	3.5	6.0	5.0	5.5
31	11.0	8.5	9.5	---	---	---	4.0	3.5	4.0	6.0	4.0	5.0
MONTH	19.5	8.5	14.5	9.0	2.5	6.6	8.0	1.0	4.7	6.0	0.0	3.7

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.0	4.0	5.0	6.5	5.5	6.0	11.0	9.0	10.0	16.0	12.0	14.0
2	6.0	4.5	5.0	6.0	5.5	5.5	10.0	8.5	9.0	17.5	13.5	15.5
3	5.5	3.5	4.5	6.5	4.5	5.5	12.0	8.5	10.0	18.0	14.5	16.0
4	5.0	4.0	4.5	8.0	5.0	6.5	13.5	11.0	12.0	17.0	15.0	16.0
5	5.5	3.5	4.5	8.0	5.5	7.0	13.5	11.0	12.5	15.5	13.0	14.5
6	5.0	3.0	4.0	10.0	7.0	8.5	13.5	11.5	12.5	15.0	12.0	13.5
7	5.0	3.0	4.0	11.0	8.0	9.5	13.5	11.0	12.0	15.5	12.5	13.5
8	5.0	3.0	4.0	12.0	9.0	10.5	14.0	11.0	12.5	15.5	12.5	14.0
9	5.5	3.5	4.5	12.5	9.5	11.0	14.0	11.5	12.5	16.0	13.0	14.5
10	5.0	3.0	4.0	12.5	10.0	11.5	13.5	11.0	12.0	14.5	12.5	13.5
11	5.0	2.5	4.0	12.0	9.5	11.0	13.5	10.5	12.0	12.5	10.5	11.5
12	5.5	3.0	4.0	11.5	8.5	10.0	14.0	11.5	12.5	13.5	10.0	11.5
13	4.0	3.0	3.5	12.0	8.5	10.0	13.0	11.5	12.5	15.5	11.5	13.5
14	5.0	2.5	4.0	12.5	9.0	11.0	12.5	10.5	11.5	16.5	13.0	15.0
15	6.0	4.0	5.0	12.5	10.0	11.0	11.0	9.0	9.5	16.0	14.0	15.0
16	7.0	5.5	6.5	12.0	9.5	11.0	11.0	7.5	9.5	17.0	13.5	15.0
17	8.0	6.5	7.0	11.5	9.0	10.5	11.0	9.0	10.0	16.5	14.0	15.0
18	7.5	6.0	7.0	11.5	9.0	10.5	11.0	8.0	9.5	15.5	13.0	14.5
19	6.5	5.0	6.0	11.5	9.5	10.5	11.0	8.5	10.0	17.0	12.5	14.5
20	6.5	5.0	6.0	11.5	9.5	10.5	11.5	9.0	10.0	16.0	13.5	15.0
21	6.0	5.5	6.0	12.0	9.5	11.0	12.0	8.5	10.5	15.5	13.0	14.5
22	6.5	5.5	6.0	12.5	10.5	11.5	13.0	9.5	11.0	16.0	12.5	14.0
23	8.0	6.0	7.0	12.0	10.0	11.0	13.0	10.0	11.5	16.0	12.5	14.5
24	8.0	6.5	7.0	11.0	9.5	10.5	14.5	11.0	12.5	17.0	13.5	15.5
25	7.0	6.0	6.5	10.5	8.5	9.5	15.5	12.5	14.0	16.5	14.0	15.5
26	6.0	5.0	5.5	8.5	6.5	7.5	16.0	12.5	14.5	17.5	14.0	15.5
27	5.5	4.0	5.0	9.0	6.0	7.5	16.5	13.5	15.0	17.0	15.0	16.0
28	5.0	3.5	4.5	10.5	8.0	9.0	15.0	13.0	14.0	17.5	14.5	15.5
29	6.5	3.5	5.5	11.5	9.0	10.5	14.0	11.5	12.5	17.0	14.5	15.5
30	---	---	---	12.0	10.0	11.0	15.0	11.0	13.0	18.0	14.5	16.5
31	---	---	---	13.0	10.5	11.5	---	---	---	19.0	15.5	17.5
MONTH	8.0	2.5	5.2	13.0	4.5	9.6	16.5	7.5	11.7	19.0	10.0	14.7
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.0	16.5	18.0	21.5	18.0	19.5	24.5	20.5	22.0	23.5	20.0	21.5
2	20.0	17.0	18.5	22.5	18.5	20.5	23.5	20.5	22.0	23.0	19.5	21.0
3	19.5	17.0	18.5	23.5	19.5	21.5	23.5	19.0	21.0	20.5	17.5	19.0
4	19.5	16.0	18.0	24.5	20.0	22.0	23.0	19.5	21.0	21.0	17.0	18.5
5	20.0	16.5	18.0	25.5	21.0	23.0	22.5	19.5	21.0	21.5	17.5	19.5
6	20.0	16.5	18.0	26.0	22.0	23.5	22.5	19.0	20.5	22.5	18.5	20.5
7	19.5	17.0	18.0	26.0	22.0	23.5	23.0	18.5	20.5	23.0	19.0	21.0
8	17.5	15.0	16.5	25.0	21.5	23.0	23.5	19.5	21.5	22.5	19.0	20.5
9	15.0	13.5	14.5	24.5	21.0	22.5	25.0	20.5	22.5	22.5	18.5	20.0
10	17.5	13.0	15.0	24.0	20.5	22.0	25.0	20.5	22.5	21.5	18.5	20.0
11	19.0	15.0	16.5	24.0	20.0	22.0	25.0	21.0	23.0	22.0	18.0	19.5
12	20.5	16.0	18.0	24.5	20.0	22.0	24.0	21.0	22.5	21.0	18.0	19.5
13	22.0	18.0	19.5	25.0	21.0	22.5	23.5	21.0	22.0	20.5	17.0	18.5
14	22.5	19.0	20.5	24.5	21.0	22.5	25.0	20.5	22.5	19.5	16.5	18.0
15	22.5	19.5	20.5	24.5	20.5	22.0	23.5	18.0	21.0	20.0	16.5	18.0
16	22.0	18.5	20.0	24.0	20.5	22.0	22.0	19.0	21.0	20.5	17.0	18.5
17	21.5	18.0	19.5	24.5	21.0	22.5	23.5	19.0	21.0	19.5	17.5	18.5
18	22.0	17.5	19.5	25.0	21.0	23.0	24.5	20.0	22.0	17.5	15.0	16.5
19	22.5	18.5	20.5	25.0	21.5	23.0	24.5	21.5	22.5	15.0	13.0	14.5
20	23.0	19.0	21.0	26.0	21.5	23.5	24.0	21.0	22.0	13.5	12.0	12.5
21	23.5	19.5	21.5	26.5	22.0	24.0	24.0	20.5	22.0	14.5	12.0	13.0
22	23.5	20.0	21.5	26.5	21.5	23.5	22.0	19.0	20.5	16.0	12.5	14.0
23	23.5	20.5	21.5	26.0	22.0	24.0	21.0	18.0	19.5	17.5	13.5	15.5
24	22.5	20.0	21.0	26.0	22.0	23.5	22.0	18.0	19.5	17.5	15.0	16.5
25	23.5	19.0	21.0	25.5	21.0	23.0	22.0	18.5	20.0	19.0	15.0	17.5
26	23.5	19.0	21.0	25.0	21.0	23.0	19.5	17.5	18.5	19.0	16.0	17.5
27	23.5	19.5	21.5	25.0	20.5	22.5	21.0	17.0	18.5	18.0	15.5	17.5
28	23.5	20.0	21.5	25.5	21.0	23.0	22.0	17.5	19.5	18.0	16.0	17.5
29	22.5	19.5	20.5	24.5	21.0	22.5	23.0	18.5	20.5	18.5	15.5	17.0
30	21.5	18.5	20.0	24.0	20.0	22.0	24.0	19.5	21.5	18.0	15.0	17.0
31	---	---	---	24.5	20.0	22.0	24.5	20.0	22.0	---	---	---
MONTH	23.5	13.0	19.3	26.5	18.0	22.5	25.0	17.0	21.2	23.5	12.0	17.9
YEAR	26.5	0.0	12.7									

10351650 TRUCKEE RIVER AT WADSWORTH, NV

LOCATION.--Lat 39°37'56", long 119°16'56" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec. 03, T.20 N., R.24 E., Washoe County, Hydrologic Unit 16050103, in Pyramid Lake Indian Reservation, on left bank, 10 ft upstream from bridge on Nevada Highway 427, 0.2 mi southeast of Wadsworth and at mi 23.69 upstream from Marble Bluff Dam.

DRAINAGE AREA.--1,728 mi^2.

PERIOD OF RECORD.--May 1965 to September 1986, September 1993 to current year.

REVISED RECORDS.--WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,070 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to September 1986 at site 0.5 mi downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lake Tahoe (station 10337000), Martis Creek Lake (station 10339380), Prosser Creek (station 10340300), Stampede (station 10344300) and Boca (station 10344490) Reservoirs, Donner (station 10338400) and Independence (station 10342900) Lakes, several powerplants, many diversions for irrigation, and by Derby Dam. Truckee Canal diverts water at Derby Dam out of basin to Lahontan Reservoir into the Carson River Basin. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,100 ft^3/s, January 3, 1997, gage height, 19.64 ft; minimum daily, 0.46 ft^3/s, October 11, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 685 ft^3/s, March 23, gage height, 5.67 ft; minimum daily discharge, 32 ft^3/s, September 30.

10351650 TRUCKEE RIVER AT WADSWORTH, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL TOTAL	91,774		54,677			
ANNUAL MEAN	251		149		728	
HIGHEST ANNUAL MEAN					2,677	1983
LOWEST ANNUAL MEAN					55.3	1977
HIGHEST DAILY MEAN	1,210	May 31	519	Apr 9	17,500	Jan 3, 1997
LOWEST DAILY MEAN	25	Mar 13	32	Sep 30	0.46	Oct 11, 1994
ANNUAL SEVEN-DAY MINIMUM	26	Mar 9	40	Sep 24	0.62	Oct 10, 1994
MAXIMUM PEAK FLOW			685	Mar 23	19,100	Jan 3, 1997
MAXIMUM PEAK STAGE			5.67	Mar 23	19.64	Jan 3, 1997
ANNUAL RUNOFF (AC-FT)	182,000		108,500		527,000	
10 PERCENT EXCEEDS	647		286		2,190	
50 PERCENT EXCEEDS	195		110		302	
90 PERCENT EXCEEDS	41		62		27	

10351700 TRUCKEE RIVER NEAR NIXON, NV

LOCATION (REVISED).--Lat 39°46'38.54", long 119°20'15.08" referenced to North American Datum of 1983, in SW ¼ NW ¼ sec. 18, T.22 N., R.24 E., Washoe County, Hydrologic Unit 16050103, in Pyramid Lake Indian Reservation, on left bank, 1.0 mi upstream from Numana Dam, 4 mi south of Nixon, and at mi 9.42 upstream from Marble Bluff Dam.

DRAINAGE AREA.--1,827 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to current year. Records kept by Federal Court Watermaster April to June 1926, May 1928 to September 1957 at site 1.0 mi downstream (Truckee River below Pyramid Dam, near Nixon, NV) not equivalent, but would be equivalent by adding flow of Indian Canal, both of which are available in files of Federal Court Watermaster. Currently, these records are kept only at times of diversion to the canal. At other times, the records are equivalent.

REVISED RECORDS.--WDR NV-83-1: 1980 (monthly runoff).

GAGE.--Water-stage recorder. Elevation of gage is 3,940 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Flow regulated by Lake Tahoe (station 10337000), Prosser Creek (station 10340300), Stampede (station 10344300) and Boca (station 10344490) Reservoirs, other lakes, powerplants, and many diversions for irrigation. Truckee Canal often diverts much of the flow at Derby Dam, about 25 mi upstream, out of basin to Lahontan Reservoir (station 10312100). Several diversions for irrigation between station and Truckee Canal. One irrigation canal diverts between station and mouth of river. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,200 ft^3/s, January 3, 1997, gage height, 15.28 ft; minimum daily, 3.3 ft^3/s, July 9, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 609 ft^3/s, April 10, gage height, 4.38 ft; minimum daily discharge, 43 ft^3/s, September 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	365	264	75	68	73	78	215	333	180	145	155	104
2	314	127	73	70	73	80	267	244	229	144	160	103
3	276	102	72	73	73	79	276	281	230	140	152	106
4	273	93	74	e72	75	77	312	357	227	137	143	110
5	270	88	81	e70	73	72	400	372	215	136	139	111
6	290	84	76	69	73	79	457	386	181	140	142	109
7	327	83	70	69	73	81	481	349	175	146	151	112
8	311	85	68	65	73	79	451	333	192	137	153	115
9	274	84	75	69	73	80	555	290	215	134	160	111
10	272	82	75	69	72	80	547	293	215	130	164	107
11	272	79	81	68	71	78	513	308	206	102	164	105
12	301	77	76	68	71	80	483	322	195	110	153	108
13	307	79	70	69	71	80	489	263	203	119	122	108
14	312	79	74	68	71	82	497	252	203	136	128	108
15	310	82	69	68	70	84	476	251	203	134	127	103
16	305	84	70	64	71	85	457	248	204	137	166	86
17	280	81	68	64	69	93	329	248	168	145	169	80
18	271	82	69	64	73	122	244	247	152	156	161	78
19	266	81	72	65	77	125	192	250	154	156	148	77
20	266	73	73	65	72	225	180	241	154	135	137	83
21	280	73	73	65	75	273	191	242	150	135	132	85
22	277	75	75	66	76	316	210	244	143	129	119	86
23	278	75	73	68	78	405	243	245	128	136	112	72
24	278	75	73	69	78	515	243	245	140	157	113	62
25	254	77	73	68	77	496	243	239	141	162	106	58
26	250	77	77	67	126	446	248	213	156	162	100	51
27	262	75	77	66	107	350	263	206	151	156	107	47
28	280	76	75	68	89	232	324	246	126	116	91	43
29	299	75	71	68	82	195	370	285	146	118	98	49
30	303	75	72	70	---	174	361	207	154	118	93	44
31	304	---	70	70	---	234	---	178	---	125	89	---
TOTAL	8,927	2,642	2,270	2,102	2,235	5,475	10,517	8,418	5,336	4,233	4,154	2,621
MEAN	288	88.1	73.2	67.8	77.1	177	351	272	178	137	134	87.4
MAX	365	264	81	73	126	515	555	386	230	162	169	115
MIN	250	73	68	64	69	72	180	178	126	102	89	43
AC-FT	17,710	5,240	4,500	4,170	4,430	10,860	20,860	16,700	10,580	8,400	8,240	5,200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2004, BY WATER YEAR (WY)

MEAN	186	266	433	630	724	763	829	1,248	897	331	166	181
MAX	917	2,659	3,905	7,378	3,887	4,764	3,392	4,289	5,398	2,786	816	1,172
(WY)	(1983)	(1984)	(1984)	(1997)	(1997)	(1986)	(1969)	(1958)	(1983)	(1983)	(1983)	(1983)
MIN	15.2	18.0	17.5	18.5	20.5	22.4	19.8	21.9	14.8	15.2	16.4	16.3
(WY)	(1995)	(1993)	(1993)	(1962)	(1994)	(1961)	(1961)	(1992)	(1960)	(1992)	(1962)	(1994)

10351700 TRUCKEE RIVER NEAR NIXON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1958 - 2004	
ANNUAL TOTAL	95,904		58,930			
ANNUAL MEAN	263		161		553	
HIGHEST ANNUAL MEAN					2,609	1983
LOWEST ANNUAL MEAN					24.1	1992
HIGHEST DAILY MEAN	1,190	May 31	555	Apr 9	19,300	Jan 3, 1997
LOWEST DAILY MEAN	37	Mar 13	43	Sep 28	3.3	Jul 9, 1991
ANNUAL SEVEN-DAY MINIMUM	39	Mar 9	51	Sep 24	6.2	Jul 13, 1992
MAXIMUM PEAK FLOW			609	Apr 10	21,200	Jan 3, 1997
MAXIMUM PEAK STAGE			4.38	Apr 10	15.28	Jan 3, 1997
ANNUAL RUNOFF (AC-FT)	190,200		116,900		400,900	
10 PERCENT EXCEEDS	628		309		1,710	
50 PERCENT EXCEEDS	200		124		119	
90 PERCENT EXCEEDS	55		69		25	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1980 to September 1983; August 1993 to current year.
WATER TEMPERATURE: May 1980 to September 1983, July 1988 to current year.

INSTRUMENTATION.--Specific conductance recorder, August 1993 to current year, four times per hour. Water temperature recorder, July 1988 to August 1992, hourly; September 1992 to current year, four times per hour.

REMARKS.--Records represent water temperature at probe within 0.5°C.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,350 microsiemens, cm at 25°C, October 31, November 1, 1994; minimum daily, 74 microsiemens, cm at 25°C, April 12, 1983.
WATER TEMPERATURE: Maximum daily, 30.0°C, July 10, 1991; minimum daily, freezing point on many days during winter months of most years.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 577 microsiemens/cm at 25°C, September 29; minimum, 174 microsiemens/cm at 25°C, May 12.
WATER TEMPERATURE: Maximum, 28.5°C, July 23; minimum, 0.0°C, many days.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	252	245	249	345	314	326	483	473	478	510	492	501
2	255	244	250	437	345	395	489	478	482	521	488	507
3	264	253	258	458	437	451	502	487	491	522	501	514
4	274	259	268	473	444	455	503	488	497	534	520	526
5	282	272	277	482	469	475	490	477	482	527	497	514
6	277	272	274	475	464	471	507	464	487	522	495	507
7	280	266	274	480	458	465	522	469	507	511	500	507
8	282	270	276	463	441	453	523	477	509	515	505	512
9	289	271	278	465	449	456	501	424	464	516	507	512
10	303	287	297	453	443	449	493	428	472	519	507	514
11	309	297	303	453	441	449	513	453	477	518	503	511
12	298	283	292	459	450	455	473	445	456	513	487	496
13	286	283	284	460	450	455	499	448	480	510	492	500
14	289	282	285	470	459	466	494	448	464	513	504	509
15	290	281	286	470	451	460	476	438	461	515	504	509
16	288	278	282	463	453	458	486	466	476	524	508	517
17	289	283	286	460	451	457	508	482	494	533	520	525
18	295	286	292	458	448	454	512	502	506	535	521	529
19	301	291	298	467	456	462	519	501	510	537	523	532
20	305	299	302	469	453	463	519	508	514	540	533	536
21	307	299	303	473	460	465	520	511	515	543	519	534
22	314	302	307	474	453	462	516	493	503	533	516	526
23	330	311	320	476	462	468	512	494	503	531	520	526
24	313	296	306	476	460	467	518	508	514	535	520	528
25	316	298	310	472	458	467	535	509	523	547	532	540
26	319	309	315	473	459	466	537	501	524	548	538	543
27	322	308	316	476	470	472	511	494	502	542	534	537
28	320	305	314	478	473	475	516	497	509	542	526	535
29	313	303	309	478	472	475	519	508	515	541	515	526
30	314	305	311	481	475	477	521	497	512	554	519	533
31	317	311	314	---	---	---	518	499	507	555	542	550
MONTH	330	244	291	482	314	456	537	424	495	555	487	521

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	549	527	537	488	470	482	343	295	314	218	196	206
2	538	516	526	496	476	484	326	254	281	259	218	246
3	537	501	523	495	475	483	271	229	253	257	222	237
4	524	496	510	489	475	481	275	231	245	222	199	210
5	522	500	514	512	487	498	246	209	229	202	195	197
6	521	498	508	520	495	512	247	212	222	201	189	193
7	544	495	520	509	475	492	244	193	209	200	183	190
8	543	523	533	511	499	507	218	200	208	206	187	194
9	539	523	532	512	499	506	209	196	202	208	189	199
10	538	527	533	507	486	497	206	195	200	202	188	194
11	539	529	535	497	482	490	206	197	200	204	185	196
12	540	532	537	490	472	482	208	200	204	201	174	187
13	539	532	536	483	464	471	208	196	202	218	201	214
14	541	531	538	471	447	458	202	193	199	223	217	221
15	542	531	537	450	433	440	201	195	198	232	219	221
16	539	530	534	438	423	431	205	198	202	226	221	223
17	542	534	537	437	398	421	249	202	226	229	219	224
18	543	524	536	401	346	374	258	248	253	230	221	225
19	526	504	512	366	336	357	276	248	268	230	224	226
20	532	516	525	336	257	285	289	276	284	233	228	230
21	538	493	523	272	245	257	281	272	277	236	227	231
22	493	463	473	259	216	237	273	252	266	236	228	231
23	469	454	462	229	205	217	257	241	246	237	226	232
24	476	465	470	209	190	197	251	236	243	239	232	235
25	482	473	476	197	190	193	244	233	238	245	235	239
26	481	351	450	198	194	196	240	233	236	265	244	252
27	433	345	385	234	196	211	244	228	235	289	265	276
28	452	433	443	267	233	249	228	204	217	294	268	277
29	470	445	455	283	266	275	204	191	198	273	250	258
30	---	---	---	319	280	296	199	187	194	274	258	270
31	---	---	---	345	268	308	---	---	---	291	268	279
MONTH	549	345	507	520	190	380	343	187	232	294	174	226
		JUNE			JULY			AUGUST			SEPTEMBER	
1	288	262	275	323	312	318	355	308	329	453	414	438
2	262	237	246	338	307	314	310	302	307	449	413	430
3	251	231	239	337	310	315	310	300	305	471	406	442
4	241	223	229	331	314	319	314	309	311	478	452	468
5	241	224	228	344	312	317	315	302	310	516	477	496
6	264	228	246	316	311	313	311	304	308	495	470	481
7	288	260	269	340	296	313	306	296	301	495	477	485
8	290	266	276	337	295	314	298	294	296	479	414	454
9	288	261	274	365	307	315	299	294	296	427	387	404
10	306	270	277	377	308	313	300	292	297	418	368	383
11	282	270	275	401	313	341	302	297	299	411	380	398
12	303	281	286	395	347	354	303	291	295	463	400	428
13	297	276	285	356	342	349	330	303	322	480	461	471
14	290	274	280	385	328	346	354	322	333	477	462	468
15	292	272	279	376	322	326	376	338	351	466	428	449
16	289	274	279	359	321	327	354	325	342	434	402	424
17	299	277	291	322	309	314	328	317	323	428	404	414
18	331	292	302	331	301	308	333	322	326	421	406	415
19	347	305	309	309	301	306	330	315	321	425	411	417
20	316	307	311	324	307	316	326	318	322	431	406	418
21	326	301	310	343	315	318	336	318	327	416	388	401
22	330	310	317	328	319	324	365	326	346	412	383	396
23	339	317	326	325	318	322	404	345	378	425	391	404
24	344	316	328	319	299	306	411	358	383	482	421	447
25	330	317	322	301	294	298	433	365	396	493	455	472
26	328	308	314	297	290	294	443	374	421	513	468	487
27	320	303	310	298	291	295	449	385	408	538	496	515
28	343	309	324	335	292	317	428	370	391	561	526	546
29	364	331	342	346	332	339	474	396	428	577	538	560
30	352	315	326	351	334	342	504	472	487	566	513	540
31	---	---	---	355	335	348	492	446	457	---	---	---
MONTH	364	223	289	401	290	321	504	291	346	577	368	452
YEAR	577	174	376									

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.5	17.0	18.5	9.0	6.5	8.0	7.0	3.0	5.0	4.0	2.5	3.5
2	18.5	16.0	17.5	7.0	5.0	6.0	8.5	4.5	6.0	3.0	1.5	2.0
3	19.0	15.0	17.5	9.5	5.0	7.0	9.0	5.5	6.5	3.0	0.5	1.5
4	19.0	16.0	17.5	9.5	4.0	6.5	5.5	3.5	4.5	1.5	0.0	0.5
5	18.5	16.0	17.5	10.0	6.0	7.5	7.0	4.0	5.5	0.5	0.0	0.0
6	19.0	15.0	17.5	8.5	4.0	6.0	9.5	6.0	7.0	1.5	0.0	0.5
7	19.0	16.0	18.0	8.0	5.5	6.5	9.0	5.5	7.0	3.5	0.5	1.5
8	19.0	15.0	17.5	8.5	6.0	6.5	8.0	4.0	5.5	4.0	1.5	2.5
9	18.0	15.0	16.5	9.5	6.0	7.5	4.0	3.0	3.0	4.0	2.0	2.5
10	16.0	12.0	14.0	10.0	5.0	7.5	5.0	2.5	3.5	5.0	1.5	3.0
11	15.0	11.0	13.5	10.0	4.5	7.0	6.5	2.5	4.0	5.5	1.5	3.5
12	15.0	12.0	13.5	10.0	5.0	7.0	5.0	3.0	4.0	5.0	1.5	3.5
13	14.5	11.0	13.0	10.5	6.0	8.0	6.5	4.0	5.0	5.5	1.5	3.0
14	14.0	10.5	12.5	9.5	4.5	7.0	5.0	3.0	4.0	5.0	1.5	3.5
15	14.0	10.5	12.5	7.5	6.5	7.0	5.0	1.5	3.0	6.0	2.0	4.0
16	14.5	10.5	13.0	8.5	4.5	6.5	3.5	1.5	2.5	5.5	2.0	3.5
17	15.0	11.0	13.5	10.0	7.0	7.5	4.0	1.5	2.5	5.5	2.0	3.5
18	15.0	11.5	13.5	9.5	5.0	7.0	4.0	0.5	2.0	5.5	2.5	3.5
19	16.0	12.5	14.5	10.0	5.0	7.0	4.0	1.5	2.5	6.0	1.5	3.5
20	16.0	13.0	15.0	9.5	6.0	7.5	5.0	2.5	3.5	5.0	3.5	4.0
21	15.5	12.5	14.5	6.5	2.5	5.0	6.5	4.0	5.0	6.0	2.0	3.5
22	16.0	12.5	14.5	6.0	1.5	3.0	6.5	4.0	5.0	4.0	0.5	2.0
23	15.5	13.0	14.5	4.0	0.0	1.5	5.0	3.5	4.0	3.5	0.0	2.0
24	14.5	11.5	13.0	4.0	0.0	2.0	5.5	3.0	4.0	6.5	2.0	3.5
25	14.0	10.5	12.5	6.5	1.0	3.0	4.5	2.0	3.0	5.5	2.0	3.0
26	13.5	9.5	12.0	6.0	2.0	3.5	4.0	1.0	2.5	2.0	0.5	1.5
27	13.5	10.0	12.0	4.5	0.5	2.5	2.5	0.0	1.0	3.0	1.5	2.0
28	14.0	10.5	12.5	4.5	2.5	3.5	1.0	0.0	0.5	5.5	2.0	3.5
29	14.0	11.0	12.5	6.0	4.0	5.0	3.5	0.5	2.0	7.0	2.5	5.0
30	12.0	9.5	11.0	6.0	4.5	5.0	6.0	3.0	4.0	5.0	3.0	4.0
31	10.5	8.5	9.0	---	---	---	5.0	3.0	4.0	6.0	1.5	3.5
MONTH	19.5	8.5	14.3	10.5	0.0	5.8	9.5	0.0	3.9	7.0	0.0	2.8
		FEBRUARY			MARCH			APRIL			MAY	
1	5.5	2.0	3.5	8.0	5.0	7.0	13.5	9.5	11.5	18.5	12.5	15.5
2	5.0	3.0	4.0	8.5	4.0	6.0	13.0	7.5	10.5	20.5	14.0	17.5
3	5.5	2.5	4.0	8.0	4.0	6.5	15.5	9.5	12.5	22.0	16.0	19.0
4	6.0	3.5	4.5	8.5	5.0	6.5	16.0	11.0	13.5	21.5	16.0	18.5
5	7.0	2.5	4.5	9.0	5.0	7.5	16.5	12.0	14.0	18.5	16.0	17.0
6	4.0	2.0	3.0	12.0	7.5	9.5	15.5	12.5	13.5	18.0	14.0	16.0
7	6.0	2.0	3.5	12.5	7.0	10.0	16.0	12.0	14.0	18.5	13.0	15.5
8	6.5	2.0	4.0	14.0	8.5	11.5	16.0	12.0	14.0	18.5	13.5	16.5
9	7.0	2.5	4.0	15.0	9.5	12.0	16.0	12.0	14.0	19.5	13.5	16.5
10	6.0	1.0	3.5	15.0	10.5	12.5	16.0	11.5	13.5	18.0	13.0	14.5
11	6.5	1.0	3.5	15.0	9.5	12.5	16.0	11.0	13.5	15.5	11.5	13.5
12	6.0	1.0	3.5	14.5	10.0	12.5	16.0	12.0	14.0	16.5	10.0	13.5
13	4.0	1.0	2.5	15.0	9.5	12.5	15.0	12.5	13.5	18.5	12.0	15.5
14	6.5	1.0	4.0	15.5	10.5	13.0	14.5	10.5	12.5	19.5	13.5	17.0
15	7.0	3.5	5.0	16.0	11.0	13.5	12.5	10.0	11.0	19.0	15.0	17.0
16	7.5	5.5	6.5	15.5	10.5	13.0	11.0	8.5	9.5	20.0	14.0	17.5
17	9.0	6.0	7.5	15.5	10.5	13.5	12.0	8.0	10.0	20.5	15.0	18.0
18	9.5	6.5	7.5	15.0	11.0	13.5	13.0	8.0	10.5	18.5	14.0	16.5
19	8.5	5.0	6.5	15.5	11.5	14.0	12.5	9.0	11.0	19.5	13.5	16.5
20	9.0	5.0	6.5	16.5	11.0	14.0	14.0	10.0	11.5	19.0	15.0	17.0
21	9.5	6.5	7.5	16.0	11.0	13.5	14.5	10.0	12.0	19.0	14.5	17.0
22	8.5	6.5	7.5	16.0	12.0	14.0	15.0	8.5	11.5	19.5	14.0	17.0
23	10.0	6.5	7.5	15.5	11.5	13.5	15.5	9.5	13.0	18.0	13.0	16.0
24	9.5	5.5	7.0	14.5	11.0	12.5	17.0	11.0	14.5	20.0	13.5	17.0
25	6.5	5.0	6.0	12.0	9.5	11.0	18.5	12.0	15.5	20.0	14.5	17.5
26	8.5	4.0	6.5	11.0	7.5	9.5	19.0	12.5	16.0	20.5	15.0	18.0
27	7.0	5.0	6.0	11.5	7.5	9.5	19.0	14.0	16.5	20.5	17.0	19.0
28	8.0	4.5	6.0	13.5	7.5	10.5	17.0	13.5	15.5	19.5	16.0	18.0
29	9.0	5.0	7.0	14.0	8.0	11.5	16.5	11.5	14.0	19.5	15.0	17.5
30	---	---	---	13.5	10.5	12.5	18.0	12.0	14.5	21.0	15.0	18.0
31	---	---	---	16.0	10.5	13.5	---	---	---	22.5	17.0	20.0
MONTH	10.0	1.0	5.3	16.5	4.0	11.4	19.0	7.5	13.0	22.5	10.0	16.9

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.0	18.0	20.5	25.0	19.5	21.5	25.5	20.5	23.0	25.0	20.5	22.5
2	24.0	18.5	21.5	25.0	19.5	22.0	25.0	21.0	23.0	23.0	17.5	21.0
3	23.5	19.5	21.5	25.5	21.0	23.0	24.5	20.0	22.0	19.5	15.0	17.5
4	23.5	18.0	21.0	26.0	21.0	23.0	25.0	21.0	23.0	20.5	16.0	18.0
5	23.5	18.5	21.5	27.0	21.5	24.0	24.5	20.5	22.5	21.5	17.0	19.5
6	23.5	18.5	21.5	27.5	22.5	24.5	24.5	20.5	22.5	23.0	18.5	20.5
7	22.5	18.5	20.5	27.5	22.5	24.5	24.0	19.5	22.0	23.0	19.0	21.0
8	19.5	16.0	18.0	26.5	21.0	23.5	25.0	20.5	23.0	23.0	19.5	21.0
9	18.0	14.5	16.5	27.0	21.0	23.5	25.5	21.5	23.5	23.0	18.5	21.0
10	19.5	14.0	17.0	26.0	21.0	23.0	25.0	21.0	23.0	23.0	18.5	20.5
11	20.5	16.0	18.5	27.5	20.5	23.0	26.0	22.0	24.0	23.0	18.5	20.5
12	22.5	17.0	20.0	27.5	20.5	23.5	25.0	23.0	24.0	23.0	19.0	20.5
13	24.0	18.5	21.5	28.0	21.5	24.0	25.0	23.0	23.5	22.0	18.0	19.5
14	23.5	19.0	21.5	26.0	20.5	23.0	26.5	21.0	24.0	20.5	16.0	18.0
15	24.0	19.0	21.5	26.0	20.5	23.0	25.0	22.0	23.0	20.5	15.5	17.5
16	23.5	19.0	21.5	25.0	21.0	23.0	22.0	21.0	21.5	23.0	16.5	19.0
17	23.0	19.0	21.0	25.5	21.5	23.0	23.0	19.5	21.5	22.0	16.5	19.0
18	24.0	18.5	21.5	25.5	22.5	24.0	25.0	20.5	23.0	17.5	14.5	16.0
19	24.5	19.5	22.0	27.0	23.0	25.0	24.5	21.5	23.0	16.5	13.0	14.0
20	24.5	20.0	22.0	27.5	22.5	24.5	25.0	20.5	23.0	16.0	11.5	13.0
21	25.0	20.5	22.5	28.0	22.5	25.0	25.0	21.5	23.0	17.5	10.5	14.0
22	25.0	20.0	22.5	28.0	23.0	25.0	22.0	19.5	20.5	18.0	11.0	14.5
23	25.5	21.0	23.0	28.5	23.0	25.5	22.0	18.0	20.0	21.0	12.5	16.5
24	25.0	20.5	22.5	28.0	23.5	25.5	23.0	18.5	20.5	22.5	13.5	17.5
25	25.0	19.5	22.0	26.0	23.0	24.5	23.0	18.5	20.5	24.0	14.5	18.5
26	25.0	19.5	22.0	26.5	22.5	24.5	21.5	18.0	19.5	23.0	14.5	18.5
27	25.5	19.5	22.5	26.0	22.5	24.0	22.0	16.5	19.5	25.0	13.5	18.0
28	27.0	20.5	23.0	28.0	22.5	25.0	23.5	17.5	20.5	23.0	14.0	17.0
29	25.5	20.0	22.5	26.5	22.0	24.0	24.0	18.5	21.0	21.0	13.5	17.0
30	25.0	20.0	22.0	26.5	21.5	23.5	25.0	19.5	22.5	23.0	13.0	17.5
31	---	---	---	26.5	21.0	23.5	25.5	20.5	23.0	---	---	---
MONTH	27.0	14.0	21.2	28.5	19.5	23.8	26.5	16.5	22.2	25.0	10.5	18.3
YEAR	28.5	0.0	13.3									

BLACK ROCK DESERT, UPPER QUINN RIVER BASIN

10352500 MCDERMITT CREEK NEAR MCDERMITT, NV

LOCATION.--Lat 41°58'00", long 117°49'51" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 08, T.47 N., R.37 E., Humboldt County, Hydrologic Unit 16040201, on left bank, approximately 100 ft upstream from highway bridge on Cordero Mine Road, and 6.5 mi southwest of McDermitt.

DRAINAGE AREA.--225 mi^2.

PERIOD OF RECORD.--October 1948 to September 1984, March 1985 to current year.

REVISED RECORDS.--WSP 1214: 1949-50 (P).

GAGE.--Water-stage recorder. Elevation of gage is 4,545 ft above National Geodetic Vertical Datum of 1929, from topographic map. October 1948 to May 11, 1972, at site approximately 500 ft upstream from highway bridge, on left bank. May 11, 1972, to April 1983, at site approximately 800 ft upstream from highway bridge, on right bank, at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. One diversion for about 1,500 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,970 ft^3/s, about February 01, 1963, gage height, 8.64 ft.; in gage well, from rating curve extended above 250 ft^3/s on basis of slope-area measurement of peak flow; maximum gage height, 9.22 ft., about March 17, 1993; no flow for several days in some years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
March 20	0015	*551	*5.28	No other peaks greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	5.3	6.8	e7.2	e6.6	19	73	22	29	11	3.4	1.8
2	2.6	5.2	6.0	e7.2	e6.5	19	62	24	27	8.6	3.1	1.9
3	2.8	4.5	5.8	e7.2	e6.4	18	68	25	23	9.9	3.0	1.8
4	2.9	5.4	5.2	e7.2	e6.3	19	73	29	20	8.6	3.0	1.9
5	2.8	4.3	5.5	e7.1	e6.3	17	74	35	19	6.8	2.9	1.9
6	2.8	4.6	5.5	e7.1	6.2	18	68	44	18	6.1	2.8	1.9
7	2.8	4.7	e5.5	e7.1	e6.4	17	62	39	17	5.5	2.8	2.0
8	2.8	5.2	e5.6	e7.1	e6.6	27	58	37	18	5.1	2.8	1.9
9	2.8	4.9	e5.6	e7.1	e6.8	57	58	42	19	5.2	2.7	2.0
10	3.0	4.7	5.7	e7.0	e7.0	90	59	38	29	5.3	2.5	2.0
11	3.1	4.6	6.5	e7.0	e7.3	102	59	43	26	5.0	2.3	1.8
12	3.3	4.5	6.2	e7.0	e7.4	110	56	36	21	4.7	2.3	1.8
13	3.4	4.4	e5.7	e7.0	e7.6	136	53	33	18	4.3	2.2	2.0
14	3.6	5.2	e5.3	e7.0	e7.8	142	51	31	15	3.8	2.3	2.1
15	3.7	4.9	e4.9	e7.0	e8.0	163	49	27	14	3.4	2.5	2.3
16	3.7	5.0	e4.5	e6.9	8.3	153	48	29	12	3.2	2.8	2.4
17	3.7	5.1	e4.2	e6.9	11	181	41	28	11	3.2	3.0	2.4
18	3.6	4.8	e3.9	e6.9	42	214	41	30	10	3.6	3.1	2.4
19	3.7	4.6	e3.7	e6.9	57	366	47	31	10	3.7	2.7	2.8
20	3.7	4.5	e4.5	e6.9	41	290	45	33	9.9	3.6	2.6	3.6
21	3.6	4.7	e5.5	e6.8	36	191	48	34	8.6	3.3	2.6	3.2
22	3.7	e4.8	7.0	e6.8	26	198	48	28	7.6	3.5	2.6	3.0
23	3.7	5.0	8.1	e6.8	21	188	35	28	6.7	3.5	2.9	2.9
24	3.6	7.1	7.2	e6.8	26	176	25	27	6.0	3.0	3.0	2.7
25	3.7	7.3	7.2	e6.8	25	136	23	26	5.3	4.0	2.6	2.6
26	3.8	8.1	e7.2	e6.8	28	108	20	22	5.1	5.7	2.7	2.7
27	3.9	9.0	e7.2	e6.8	23	82	21	24	4.5	5.3	2.9	2.7
28	4.0	12	e7.2	e6.8	20	74	17	44	4.8	4.5	2.6	2.7
29	4.2	11	e7.2	e6.8	18	72	20	45	5.5	4.1	2.3	2.8
30	4.2	7.4	e7.2	e6.7	---	76	21	37	6.6	3.8	2.1	2.9
31	4.1	---	e7.2	e6.7	---	80	---	30	---	3.5	2.0	---
TOTAL	105.8	172.8	184.8	215.4	485.5	3,539	1,423	1,001	426.6	154.8	83.1	70.9
MEAN	3.41	5.76	5.96	6.95	16.7	114	47.4	32.3	14.2	4.99	2.68	2.36
MAX	4.2	12	8.1	7.2	57	366	74	45	29	11	3.4	3.6
MIN	2.5	4.3	3.7	6.7	6.2	17	17	22	4.5	3.0	2.0	1.8
AC-FT	210	343	367	427	963	7,020	2,820	1,990	846	307	165	141

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2004, BY WATER YEAR (WY)

MEAN	4.53	7.06	11.5	21.4	41.9	79.9	96.3	73.9	34.6	9.28	3.00	2.72
MAX	10.0	17.3	50.9	108	302	353	600	310	140	46.5	15.4	9.96
(WY)	(1984)	(1984)	(1956)	(1997)	(1986)	(1993)	(1952)	(1984)	(1983)	(1984)	(1983)	(1984)
MIN	0.69	2.06	2.46	2.26	4.82	4.92	4.08	2.74	0.77	0.14	0.00	0.00
(WY)	(1982)	(1993)	(1950)	(1950)	(1955)	(2003)	(1992)	(1992)	(1992)	(1992)	(1992)	(1960)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1949 - 2004	
ANNUAL TOTAL	5,037.73		7,862.7			
ANNUAL MEAN	13.8		21.5		32.1	
HIGHEST ANNUAL MEAN					98.2	1984
LOWEST ANNUAL MEAN					4.11	1992
HIGHEST DAILY MEAN	175	May 11	366	Mar 19	2,800	Feb 1, 1963
LOWEST DAILY MEAN	0.92	Aug 19	1.8	Sep 1	0.00	Sep 8, 1955
ANNUAL SEVEN-DAY MINIMUM	1.0	Aug 15	1.9	Aug 31	0.00	Sep 8, 1955
MAXIMUM PEAK FLOW			551	Mar 20	3,970	Feb 1, 1963
MAXIMUM PEAK STAGE			5.28	Mar 20	9.22	Mar 17, 1993
ANNUAL RUNOFF (AC-FT)	9,990		15,600		23,220	
10 PERCENT EXCEEDS	37		54		83	
50 PERCENT EXCEEDS	5.6		6.8		8.4	
90 PERCENT EXCEEDS	1.5		2.7		1.9	

e Estimated

BLACK ROCK DESERT, LOWER QUINN RIVER BASIN

10353750 MAHOGANY CREEK NEAR SUMMIT LAKE, NEVADA

LOCATION (REVISED).--Lat 41°32'35.04", long 119°00'24.29" referenced to North American Datum of 1983, in SE ¼ NE ¼ sec. 21, T.42 N., R.26 E., Humboldt County, Hydrologic Unit 16040202, on right bank, 2.8 mi northeast of Summit Lake, and 78 mi north of Gerlach.

DRAINAGE AREA.--13.3 mi^2.

PERIOD OF RECORD.--July 1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,080 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 50 ft^3/s, June 5, 1995, gage height, 5.34 ft; maximum gage height, 5.56 ft, June 17, 1998, backwater effect from tree; minimum daily, 0.32 ft^3/s, August 1, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5.4 ft^3/s, May 28, gage height, 4.49 ft; minimum daily discharge, 0.94 ft^3/s, September 11.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.95	1.1	1.5	1.4	1.4	1.6	3.3	3.3	4.4	2.7	1.2	1.0
2	1.0	1.4	1.5	1.3	1.4	1.6	3.2	3.3	4.4	2.5	1.1	1.1
3	1.0	1.4	1.5	e1.4	1.4	1.6	3.3	3.4	4.4	2.4	1.2	1.2
4	1.1	1.4	1.4	1.4	1.4	1.7	3.3	3.5	4.4	2.3	1.2	1.2
5	1.0	1.4	1.7	1.4	1.4	1.6	3.5	3.7	4.4	2.1	1.2	1.2
6	1.0	1.4	1.8	1.4	1.4	1.7	3.5	3.9	4.5	2.1	1.1	1.1
7	1.0	1.4	1.9	1.4	1.4	1.8	3.6	4.0	4.4	2.0	1.2	1.1
8	1.0	1.4	1.5	1.4	1.4	2.0	3.6	4.2	4.4	1.9	1.1	0.99
9	1.0	1.3	1.4	1.4	e1.4	2.3	3.6	4.3	4.5	1.9	1.1	0.98
10	1.1	1.3	1.6	1.4	e1.4	2.4	3.6	4.4	4.4	1.8	1.1	0.97
11	1.1	1.3	1.4	1.4	1.4	2.3	3.5	4.4	4.2	1.8	1.0	0.94
12	1.1	1.3	1.4	1.4	e1.4	2.3	3.5	4.3	4.0	1.7	1.0	0.96
13	1.1	1.2	1.4	1.4	1.4	2.4	3.5	4.2	3.9	1.7	1.1	1.0
14	1.1	1.3	1.4	1.4	1.4	2.5	3.5	4.1	3.7	1.6	1.1	1.1
15	1.1	1.4	e1.4	1.4	1.4	2.5	3.4	4.0	3.6	1.6	1.2	1.1
16	1.1	1.3	1.4	1.4	1.5	2.6	3.3	3.8	3.5	1.6	1.3	1.1
17	1.0	1.4	1.3	1.4	2.0	2.6	3.2	3.7	3.4	1.5	1.2	1.0
18	1.0	1.4	1.3	1.4	1.9	2.9	3.2	3.7	3.4	1.6	1.1	1.1
19	1.0	1.3	1.3	1.4	1.7	3.2	3.0	3.8	3.3	1.6	1.1	1.3
20	1.0	1.3	1.4	1.4	1.6	3.2	3.1	3.9	3.2	1.5	1.3	1.5
21	1.0	1.1	1.4	1.3	1.6	3.2	3.2	3.9	3.2	1.5	1.2	1.4
22	1.0	1.2	1.3	e1.4	1.6	3.5	3.1	3.8	3.0	1.4	1.2	1.4
23	1.1	e1.3	1.3	1.4	1.6	3.6	3.1	3.7	3.0	1.4	1.3	1.3
24	1.1	1.4	1.4	1.4	1.6	3.6	3.1	3.9	2.8	1.4	1.2	1.2
25	1.2	1.5	1.4	1.3	1.5	3.5	3.1	3.9	2.7	1.4	1.2	1.2
26	1.3	1.3	e1.4	1.3	1.6	3.3	3.1	3.9	2.7	1.5	1.5	1.2
27	1.3	e1.3	e1.4	1.3	1.7	3.1	3.2	4.0	2.7	1.4	1.3	1.2
28	1.3	1.3	1.3	1.3	1.6	3.0	3.4	4.7	2.7	1.3	1.2	1.2
29	1.3	e1.3	e1.4	1.4	1.6	3.1	3.3	4.4	2.7	1.2	1.2	1.2
30	1.4	e1.3	1.4	1.4	---	3.2	3.2	4.4	3.0	1.2	1.1	1.3
31	1.3	---	1.4	e1.4	---	3.3	---	4.3	---	1.2	1.1	---
TOTAL	34.05	39.7	44.6	42.8	44.1	81.2	99.5	122.8	108.9	52.8	36.4	34.54
MEAN	1.10	1.32	1.44	1.38	1.52	2.62	3.32	3.96	3.63	1.70	1.17	1.15
MAX	1.4	1.5	1.9	1.4	2.0	3.6	3.6	4.7	4.5	2.7	1.5	1.5
MIN	0.95	1.1	1.3	1.3	1.4	1.6	3.0	3.3	2.7	1.2	1.0	0.94
AC-FT	68	79	88	85	87	161	197	244	216	105	72	69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2004, BY WATER YEAR (WY)

MEAN	1.76	1.80	1.67	1.74	1.84	2.54	3.81	8.22	8.02	3.52	1.76	1.54
MAX	3.90	3.87	3.57	3.55	3.25	3.96	6.90	27.9	29.2	13.7	5.41	4.33
(WY)	(1999)	(1999)	(1999)	(1997)	(1999)	(1999)	(1996)	(1998)	(1998)	(1998)	(1998)	(1998)
MIN	0.83	0.90	0.90	1.04	1.28	1.42	1.85	1.36	0.82	0.55	0.39	0.46
(WY)	(1993)	(1993)	(1995)	(1993)	(1989)	(1991)	(2003)	(1992)	(1992)	(1992)	(1992)	(1992)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1987 - 2004	
ANNUAL TOTAL	665.71		741.39			
ANNUAL MEAN	1.82		2.03		3.19	
HIGHEST ANNUAL MEAN					8.41	1998
LOWEST ANNUAL MEAN					1.21	1992
HIGHEST DAILY MEAN	7.4	Jun 1	4.7	May 28	47	Jun 5, 1995
LOWEST DAILY MEAN	0.88	Sep 7	0.94	Sep 11	0.32	Aug 1, 1992
ANNUAL SEVEN-DAY MINIMUM	0.90	Sep 24	0.99	Sep 7	0.33	Jul 31, 1992
MAXIMUM PEAK FLOW			5.4	May 28	50	Jun 5, 1995
MAXIMUM PEAK STAGE			4.49	May 28	5.56	Jun 17, 1998
ANNUAL RUNOFF (AC-FT)	1,320		1,470		2,310	
10 PERCENT EXCEEDS	2.9		3.7		5.6	
50 PERCENT EXCEEDS	1.5		1.4		1.9	
90 PERCENT EXCEEDS	1.0		1.1		0.97	

e Estimated

BLACK ROCK DESERT, SMOKE CREEK DESERT

10353800 SMOKE CREEK BELOW RESERVOIR NEAR SMOKE CREEK, NEV.

LOCATION.--Lat 40°30'33", long 119°52'24" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 05, T.30 N., R.19 E., Washoe County, Hydrologic Unit 16040203, on left bank, 11.2 mi south of Buffalo Creek Ranch, and 38.1 mi southwest of Gerlach.

DRAINAGE AREA.--50.1 mi^2.

PERIOD OF RECORD.--December 1988 to current year.

REVISED RECORDS.--WDR NV-00-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 3,980 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,320 ft^3/s, March 9, 1995, gage height, 8.43 ft; no flow many days, most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of February 1986 reached a stage of 9.00 ft, present datum, from floodmarks; discharge 2,270 ft^3/s, on basis of slope-area measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 52 ft^3/s, March 1, 2, 3, gage height, 4.79 ft; minimum daily discharge, 0.00 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	1.5	2.6	6.6	6.3	44	12	1.4	1.4	1.1	0.00	0.00
2	0.00	1.5	2.6	7.2	6.3	50	8.3	1.3	1.3	0.89	0.00	0.00
3	0.00	1.7	2.5	e7.2	6.3	48	6.5	1.2	1.2	0.75	0.00	0.00
4	0.00	1.7	2.4	e7.2	6.0	48	6.3	1.6	1.1	0.60	0.00	0.00
5	0.00	1.7	2.4	e7.2	5.9	45	6.0	2.0	1.0	0.39	0.00	0.00
6	0.00	1.7	3.3	e7.2	6.2	46	5.7	2.1	0.87	0.22	0.00	0.00
7	0.00	1.7	4.8	e7.2	6.2	45	5.8	2.1	0.64	0.30	0.00	0.00
8	0.00	1.7	5.4	7.2	5.9	44	4.6	2.0	0.92	0.28	0.00	0.00
9	0.00	1.7	5.6	16	6.2	44	3.0	2.0	1.1	0.50	0.00	0.00
10	0.00	1.7	6.3	6.1	6.3	43	2.0	2.2	1.5	0.44	0.00	0.00
11	0.00	1.7	6.7	5.9	6.1	43	2.0	1.8	1.7	0.02	0.00	0.00
12	0.00	1.7	6.8	5.9	6.5	43	2.0	2.2	1.7	0.04	0.00	0.00
13	0.00	1.7	7.0	5.7	6.0	41	1.9	1.8	1.6	0.00	0.00	0.00
14	0.00	1.7	7.9	5.9	6.0	24	1.8	1.8	1.3	0.00	0.00	0.00
15	0.00	1.8	7.9	5.8	3.8	18	1.8	1.5	0.91	0.03	0.00	0.00
16	0.00	1.9	8.1	5.7	2.4	12	1.8	1.7	0.83	0.08	0.00	0.00
17	0.00	1.9	8.3	5.7	3.2	8.9	1.9	1.3	0.85	0.24	0.00	0.00
18	0.11	1.9	9.5	5.7	4.6	7.6	1.7	1.2	0.90	0.11	0.00	0.00
19	0.28	1.9	13	5.7	5.2	8.2	1.6	1.3	0.94	0.00	0.00	0.00
20	0.33	1.9	6.4	5.7	5.1	8.4	1.6	1.8	0.97	0.00	0.00	0.00
21	0.43	1.9	6.5	5.7	7.3	9.7	1.5	2.3	0.96	0.00	0.00	0.00
22	0.50	2.6	5.9	6.1	8.0	11	1.6	2.0	0.97	0.00	0.00	0.00
23	0.58	e2.6	5.7	e6.1	8.5	12	1.5	1.7	0.95	0.00	0.00	0.00
24	0.74	e2.8	5.9	6.4	8.3	12	1.6	1.7	0.92	0.00	0.00	0.00
25	1.2	e2.8	6.1	e6.2	13	13	1.5	1.8	0.83	0.00	0.00	0.00
26	1.4	e2.8	e6.1	6.6	23	13	1.5	1.9	0.82	0.00	0.00	0.00
27	1.7	2.6	6.1	6.9	25	13	1.4	1.9	0.82	0.00	0.00	0.00
28	1.7	2.7	e6.2	7.4	23	13	1.2	2.0	0.79	0.00	0.00	0.00
29	1.2	2.6	e6.3	6.6	31	13	1.3	1.9	0.81	0.00	0.00	0.00
30	1.3	2.6	e6.3	6.2	---	14	1.4	1.8	0.94	0.00	0.00	0.00
31	1.4	---	6.4	6.0	---	13	---	1.5	---	0.00	0.00	---
TOTAL	12.87	60.7	187.0	207.0	257.6	807.8	92.8	54.8	31.54	5.99	0.00	0.00
MEAN	0.42	2.02	6.03	6.68	8.88	26.1	3.09	1.77	1.05	0.19	0.00	0.00
MAX	1.7	2.8	13	16	31	50	12	2.3	1.7	1.1	0.00	0.00
MIN	0.00	1.5	2.4	5.7	2.4	7.6	1.2	1.2	0.64	0.00	0.00	0.00
AC-FT	26	120	371	411	511	1,600	184	109	63	12	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	2.95	3.79	7.92	25.0	35.6	37.3	12.9	13.8	2.68	0.96	0.96	1.16
MAX	13.9	10.8	35.1	167	196	162	66.0	106	18.9	4.82	4.85	5.55
(WY)	(2000)	(1996)	(1997)	(1995)	(1996)	(1993)	(1995)	(1995)	(1998)	(1995)	(1995)	(1998)
MIN	0.00	0.00	0.00	1.35	3.36	2.67	1.32	0.00	0.00	0.00	0.00	0.00
(WY)	(1991)	(1991)	(1995)	(1993)	(2003)	(2003)	(1990)	(1994)	(1990)	(1991)	(1989)	(1989)

10353800 SMOKE CREEK BELOW RESERVOIR NEAR SMOKE CREEK, NEV.—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	795.53		1,718.10			
ANNUAL MEAN	2.18		4.69		12.3	
HIGHEST ANNUAL MEAN					51.1	1995
LOWEST ANNUAL MEAN					1.41	1992
HIGHEST DAILY MEAN	13	Dec 19	50	Mar 2	1,790	Jan 14, 1995
LOWEST DAILY MEAN	0.00	Jun 18	0.00	Oct 1	0.00	Jul 6, 1989
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 18	0.00	Oct 1	0.00	Jul 6, 1989
MAXIMUM PEAK FLOW			52	Mar 1	4,320	Mar 9, 1995
MAXIMUM PEAK STAGE			4.79	Mar 1	8.43	Mar 9, 1995
ANNUAL RUNOFF (AC-FT)	1,580		3,410		8,910	
10 PERCENT EXCEEDS	5.6		9.1		20	
50 PERCENT EXCEEDS	1.7		1.7		3.1	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

13105000 SALMON FALLS CREEK NEAR SAN JACINTO, NV

LOCATION.--Lat 41°56'41", long 114°41'19"(revised), (NAD83), in NE$^1/_4$SW$^1/_4$ sec.23, T.47 N., R.64 E., Elko County, Nevada, Jackpot quad., Hydrologic Unit 17040213, on right bank in canyon, 630 ft downstream from bridge on U.S. Highway 93, 550 ft downstream from Shoshone Creek, and 5 mi north of San Jacinto.

DRAINAGE AREA.--1,450 mi^2, approximately. Mean elevation, 6,350 ft.

PERIOD OF RECORD.--September 1909 to June 1910 (gage heights only), June 1910 to September 1916, October 1918 to current year. Monthly discharge only for some periods published in WSP 1317. Prior to October 1910, published as “Salmon Falls River”.

REVISED RECORDS.--WSP 1934: 1943(M).

GAGE.--Water-stage recorder. Elevation of gage is 5,120 ft above NGVD of 1929, by barometer. Prior to June 6, 1910, nonrecording gage at nearby site at different datum. June 6, 1910 to Sept. 30, 1916, Oct. 1, 1918 to Aug. 28, 1964, water-stage recorder at site 35 ft upstream at same datum. See schematic diagram of Middle Snake River Basin - Boise and Upper Snake River Basins.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 18,200 acres (1966 determination). Salmon Dam of Salmon River Canal Co. is 15 mi downstream (see sta 13106500).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,860 ft^3/s May 16, 1984, gage height, 14.27 ft; minimum, 2.6 ft^3/s Sept. 4, 1961, gage height, 3.37 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 459 ft^3/s May 25; minimum daily, 17 ft^3/s Aug. 14-15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	54	63	53	47	57	252	219	285	56	28	20
2	37	54	60	48	50	56	272	206	256	55	27	19
3	39	55	57	47	54	57	254	208	240	56	26	23
4	41	56	56	34	54	58	261	216	231	59	24	21
5	38	55	55	42	54	59	285	244	219	59	23	25
6	40	55	55	40	47	59	322	297	e210	54	22	26
7	44	54	57	38	49	59	387	333	e200	49	21	27
8	44	54	58	51	48	59	415	347	e200	43	20	26
9	44	57	55	54	52	63	426	343	e190	40	20	25
10	43	57	54	53	42	69	418	342	e180	41	19	24
11	45	56	55	48	44	82	409	350	e180	36	19	25
12	45	54	55	46	48	93	e400	368	e170	35	19	25
13	45	54	56	44	42	102	e390	363	160	33	18	27
14	45	55	58	44	46	112	e370	325	144	33	17	30
15	45	55	52	44	54	124	e360	285	131	32	17	28
16	46	54	42	48	55	133	e350	255	112	35	19	29
17	45	55	49	54	63	139	e340	233	92	35	22	30
18	46	55	51	47	66	149	e330	210	89	33	24	30
19	47	54	53	52	63	194	e310	197	86	33	29	33
20	46	54	55	52	60	264	e290	192	80	e35	28	43
21	47	56	55	52	58	365	e280	197	73	33	40	47
22	47	51	54	46	57	385	e270	207	71	37	32	46
23	48	38	53	37	58	415	e260	219	66	37	30	45
24	48	43	54	39	58	430	e250	232	64	36	27	45
25	49	54	56	47	59	459	e230	222	62	34	25	44
26	49	53	54	48	63	443	e220	212	61	39	24	43
27	49	47	36	51	64	438	208	211	65	38	23	43
28	50	51	42	54	61	345	209	262	65	35	23	42
29	51	57	42	56	59	279	227	315	59	32	22	45
30	52	65	53	57	---	243	248	348	59	32	21	52
31	53	---	53	53	---	235	---	324	---	30	20	---
TOTAL	1405	1612	1648	1479	1575	6025	9243	8282	4100	1235	729	988
MEAN	45.3	53.7	53.2	47.7	54.3	194	308	267	137	39.8	23.5	32.9
MAX	53	65	63	57	66	459	426	368	285	59	40	52
MIN	37	38	36	34	42	56	208	192	59	30	17	19
AC-FT	2790	3200	3270	2930	3120	11950	18330	16430	8130	2450	1450	1960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2004, BY WATER YEAR (WY)

MEAN	49.2	58.4	58.6	68.3	96.7	164	345	454	270	62.3	27.5	32.3
MAX	92.0	105	130	201	377	588	865	2033	1209	344	127	77.6
(WY)	1985	1985	1965	1971	1943	1972	1942	1984	1984	1984	1984	1984
MIN	18.1	34.6	36.9	38.0	44.4	55.5	77.4	52.0	23.0	12.5	8.16	9.79
(WY)	1916	1916	1932	1955	1955	1955	1934	1934	1992	1931	1940	1947

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1910 - 2004	
ANNUAL TOTAL	26217		38321			
ANNUAL MEAN	71.8		105		140	
HIGHEST ANNUAL MEAN					439	1984
LOWEST ANNUAL MEAN					45.4	1934
HIGHEST DAILY MEAN	321	May 31	459	Mar 25	3620	May 16 1984
LOWEST DAILY MEAN	10	Aug 28	17	Aug 14	3.2	Sep 4 1961
ANNUAL SEVEN-DAY MINIMUM	11	Aug 24	18	Aug 10	5.7	Sep 1 1961
ANNUAL RUNOFF (AC-FT)	52000		76010		101600	
10 PERCENT EXCEEDS	192		285		387	
50 PERCENT EXCEEDS	55		54		62	
90 PERCENT EXCEEDS	17		27		25	

e Estimated

13161500 BRUNEAU RIVER AT ROWLAND, NV

LOCATION.--Lat 41°56'00", long 115°40'25" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec. 29, T.47 N., R.56 E., Elko County, Hydrologic Unit 17050102, Humboldt National Forest, on left bank, 2 mi upstream from McDonald Creek, and 0.5 mi south of Rowland.

DRAINAGE AREA.--382 mi^2.

PERIOD OF RECORD.--June 1913 to September 1918 (published as "near Rowland"), water years 1962-66 (annual maximum), October 1966 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,500 ft above National Geodetic Vertical Datum of 1929, from topographic map. June 1913 to September 1918, nonrecording gage at different site and datum. October 1961 to September 1966, crest-stage gage at site 3 mi upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Middle Snake River Basin - Boise and Upper Snake River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,140 ft^3/s, May 14, 1984, gage height, 12.01 ft; minimum daily, 1.7 ft^3/s, August 28-30, 2001.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
March 24	0545	*659	*5.72	May 6	0230	303	4.35
April 8	0230	508	5.20	May 28	1845	268	4.18

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	9.0	e18	19	e21	27	311	211	192	40	8.3	6.2
2	5.0	9.2	e18	19	e21	32	269	218	188	39	7.9	6.0
3	5.5	11	18	e18	e21	28	291	232	190	40	8.2	6.7
4	5.8	11	16	e18	e21	33	326	256	195	43	7.8	7.4
5	5.7	11	17	e18	21	31	348	284	195	37	7.3	7.3
6	5.8	11	18	e18	21	33	386	291	192	33	7.0	7.0
7	5.9	11	22	e18	e21	31	464	284	185	30	6.9	6.6
8	5.9	13	22	e18	e21	35	471	269	172	27	6.8	6.0
9	5.8	13	17	e18	e21	48	416	255	157	26	6.1	5.7
10	5.8	15	17	e18	e21	69	363	249	145	27	5.5	5.5
11	6.4	14	19	18	e21	94	318	256	135	24	5.1	5.3
12	6.6	14	16	e18	e21	109	294	239	121	21	4.9	5.2
13	6.7	14	19	e18	e21	123	285	220	110	18	4.7	5.6
14	6.8	15	22	e18	e21	168	274	199	103	17	4.9	6.4
15	6.9	15	20	e18	e22	216	249	180	97	16	5.9	7.0
16	7.1	15	e19	e18	23	225	226	168	92	16	6.9	6.9
17	7.3	17	e18	e18	31	245	236	159	86	17	10	6.7
18	7.2	16	e17	e18	34	269	225	157	81	18	14	6.8
19	7.1	15	e18	e18	34	330	206	154	77	20	11	11
20	7.3	16	18	e18	29	395	191	153	73	22	9.7	13
21	7.3	16	18	e18	29	458	202	152	69	19	10	11
22	7.4	14	17	e18	31	499	219	162	64	16	9.3	9.7
23	7.5	11	17	e18	31	512	219	180	59	17	9.4	9.1
24	7.7	16	e17	e18	31	593	218	167	57	14	9.0	8.8
25	8.1	17	e17	e18	31	522	205	151	56	13	8.6	8.3
26	8.2	16	17	e19	34	460	204	145	55	13	9.4	7.8
27	8.4	15	18	e20	32	358	218	162	53	12	12	7.6
28	8.5	17	e18	21	32	296	239	215	51	11	9.9	7.4
29	8.6	16	e18	21	29	263	237	245	46	10	8.6	7.4
30	9.1	e18	e18	23	---	276	219	222	43	9.5	7.7	8.3
31	9.2	---	e18	e21	---	301	---	204	---	9.0	7.0	---
TOTAL	215.3	421.2	562	577	747	7,079	8,329	6,439	3,339	674.5	249.8	223.7
MEAN	6.95	14.0	18.1	18.6	25.8	228	278	208	111	21.8	8.06	7.46
MAX	9.2	18	22	23	34	593	471	291	195	43	14	13
MIN	4.7	9.0	16	18	21	27	191	145	43	9.0	4.7	5.2
AC-FT	427	835	1,110	1,140	1,480	14,040	16,520	12,770	6,620	1,340	495	444

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2004, BY WATER YEAR (WY)

MEAN	20.9	26.8	27.7	37.6	53.3	158	310	377	207	50.6	16.3	14.2
MAX	52.2	58.5	56.3	137	276	608	666	1,256	744	257	86.5	39.8
(WY)	(1985)	(1985)	(1976)	(1971)	(1986)	(1972)	(1914)	(1984)	(1984)	(1984)	(1984)	(1984)
MIN	6.95	11.7	11.9	12.0	16.0	37.4	55.0	50.4	14.7	5.60	2.59	3.87
(WY)	(2004)	(2002)	(2003)	(1992)	(2001)	(1981)	(1968)	(1992)	(1992)	(1992)	(2001)	(1981)

13161500 BRUNEAU RIVER AT ROWLAND, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1913 - 2004	
ANNUAL TOTAL	20,505.4		28,856.5			
ANNUAL MEAN	56.2		78.8		108	
HIGHEST ANNUAL MEAN					290	1984
LOWEST ANNUAL MEAN					24.2	1992
HIGHEST DAILY MEAN	322	May 11	593	Mar 24	2,070	May 14, 1984
LOWEST DAILY MEAN	4.1	Aug 15	4.7	Oct 1	1.7	Aug 28, 2001
ANNUAL SEVEN-DAY MINIMUM	4.3	Aug 14	5.3	Aug 9	1.9	Aug 26, 2001
MAXIMUM PEAK FLOW			659	Mar 24	2,140	May 14, 1984
MAXIMUM PEAK STAGE			5.72	Mar 24	12.01	May 14, 1984
ANNUAL RUNOFF (AC-FT)	40,670		57,240		78,540	
10 PERCENT EXCEEDS	217		249		330	
50 PERCENT EXCEEDS	18		18		34	
90 PERCENT EXCEEDS	5.0		6.9		9.8	

e Estimated

13162225 JARBIDGE RIVER BELOW JARBIDGE, NV

LOCATION.--Lat 41°53'26", long 115°25'40" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec. 09, T.46 N., R.58 E., Elko County, Hydrologic Unit 17050102, in Humboldt National Forest, on right bank, 1.0 mi north of Jarbidge.

DRAINAGE AREA.--30.6 mi^2.

PERIOD OF RECORD.--April 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,050 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. See schematic diagram of Middle Snake River Basin - Boise and Upper Snake River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 824 ft^3/s, May 24, 1999, gage height, 5.50 ft; minimum daily, 2.5 ft^3/s, August 23, 26, 29, 30, September 16, 2000, and September 11, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 320 ft^3/s, May 28, gage height, 4.88 ft; minimum daily discharge, 2.7 ft^3/s, November 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	2.7	5.2	4.7	e6.7	8.2	44	74	153	27	7.4	4.8
2	4.0	3.1	4.5	6.3	6.4	8.1	42	99	171	25	7.5	5.0
3	4.2	3.5	4.2	6.2	6.5	8.4	50	146	194	25	7.3	5.3
4	4.1	3.4	4.0	e5.8	6.2	8.2	66	199	215	22	6.9	5.6
5	4.1	3.3	4.4	e5.4	e6.0	8.3	78	244	240	20	6.6	5.3
6	4.1	3.2	4.7	e5.0	e6.0	8.2	92	226	226	19	6.7	5.1
7	4.0	3.5	6.3	4.6	5.9	8.5	110	212	218	16	6.6	4.8
8	3.8	3.6	4.7	4.6	5.8	12	103	197	186	16	6.4	4.5
9	3.8	3.9	5.4	4.6	5.9	17	89	181	149	16	6.1	4.3
10	3.7	3.7	5.1	4.6	e6.0	20	75	179	129	15	5.7	4.1
11	3.9	3.7	4.5	e4.6	e6.1	22	68	142	105	13	5.4	4.0
12	3.9	3.6	4.2	e4.6	e6.3	24	71	120	89	12	5.3	4.0
13	3.8	3.7	4.7	e4.6	e6.4	26	81	105	80	11	5.2	4.2
14	4.0	3.5	4.3	e4.6	6.7	28	79	90	84	10	5.2	4.4
15	4.0	3.7	4.5	e4.6	6.7	26	67	82	89	10	5.6	4.4
16	4.0	3.6	e4.4	e4.6	7.1	27	58	79	84	10	6.0	4.4
17	4.0	3.7	4.3	e4.6	8.7	31	53	85	76	10	8.9	4.1
18	3.9	3.9	4.2	e4.6	9.4	37	46	100	70	10	7.5	4.5
19	3.7	4.1	4.9	e4.6	8.6	47	41	106	66	11	6.1	9.5
20	3.6	4.0	4.9	e4.6	9.9	52	38	107	62	15	6.1	11
21	3.6	3.6	4.6	e4.6	e9.7	60	36	107	57	12	6.8	8.1
22	3.6	3.5	4.1	e4.6	9.4	69	34	108	52	12	5.9	7.6
23	3.5	5.7	4.6	e5.0	8.9	76	39	111	48	11	5.9	7.6
24	3.5	3.8	4.6	e5.5	9.2	77	46	98	43	10	5.9	7.4
25	3.4	3.4	4.6	e6.0	8.9	63	50	89	40	10	5.6	7.2
26	3.4	3.3	4.3	6.5	9.0	52	59	86	39	9.6	8.1	7.1
27	3.5	3.9	4.6	6.6	8.3	42	79	121	35	9.1	7.4	7.1
28	3.6	3.5	5.0	6.4	8.2	34	95	227	33	8.4	6.2	6.5
29	3.5	5.4	e4.8	6.5	7.8	31	84	223	31	8.3	5.6	6.6
30	3.5	8.8	4.6	6.5	---	36	72	174	29	8.1	5.4	6.7
31	3.0	---	4.4	6.9	---	44	---	152	---	7.8	5.2	---
TOTAL	116.4	116.3	143.6	162.9	216.7	1,010.9	1,945	4,269	3,093	419.3	196.5	175.2
MEAN	3.75	3.88	4.63	5.25	7.47	32.6	64.8	138	103	13.5	6.34	5.84
MAX	4.2	8.8	6.3	6.9	9.9	77	110	244	240	27	8.9	11
MIN	3.0	2.7	4.0	4.6	5.8	8.1	34	74	29	7.8	5.2	4.0
AC-FT	231	231	285	323	430	2,010	3,860	8,470	6,130	832	390	348

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	5.05	5.80	5.53	6.02	7.09	16.1	46.8	134	108	17.6	5.67	4.70
MAX	8.33	9.66	7.52	6.64	8.47	32.6	64.8	170	189	55.4	9.15	6.86
(WY)	(1999)	(1999)	(1999)	(1999)	(2001)	(2004)	(2004)	(1999)	(1998)	(1998)	(1998)	(1998)
MIN	3.66	3.88	4.63	5.22	5.42	9.46	27.5	105	28.5	6.96	3.02	3.06
(WY)	(2002)	(2004)	(2004)	(2001)	(2002)	(2002)	(2001)	(2000)	(2001)	(2000)	(2000)	(2001)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	10,129.4		11,864.8			
ANNUAL MEAN	27.8		32.4		28.6	
HIGHEST ANNUAL MEAN					39.1	1999
LOWEST ANNUAL MEAN					19.4	2001
HIGHEST DAILY MEAN	428	May 28	244	May 5	541	May 30, 1999
LOWEST DAILY MEAN	2.7	Nov 1	2.7	Nov 1	2.5	Aug 23, 2000
ANNUAL SEVEN-DAY MINIMUM	3.2	Oct 31	3.2	Oct 31	2.6	Aug 23, 2000
MAXIMUM PEAK FLOW			320	May 28	824	May 24, 1999
MAXIMUM PEAK STAGE			4.88	May 28	5.50	May 24, 1999
ANNUAL RUNOFF (AC-FT)	20,090		23,530		20,730	
10 PERCENT EXCEEDS	60		98		78	
50 PERCENT EXCEEDS	6.1		7.1		6.9	
90 PERCENT EXCEEDS	3.7		3.8		4.0	

e Estimated

13174500 OWYHEE RIVER NEAR GOLD CREEK, NV

LOCATION.--Lat 41°41'20", long 115°50'38" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 25, T.44 N., R.54 E., Elko County, Hydrologic Unit 17050104, in Humboldt National Forest, on left bank, 500 ft downstream from Wild Horse Dam, 0.1 mi upstream from Beaver Creek, 8 mi west of Gold Creek, and 12 mi southeast of Mountain City.

DRAINAGE AREA.--209 mi^2.

PERIOD OF RECORD.--April to October 1916, April 1917 to September 1925, October 1936 to current year.

REVISED RECORDS.--WSP 1317: 1939-42 (M).

GAGE.--Water-stage recorder. Datum of gage is 6,118.75 ft, Bureau of Reclamation datum. Prior to October 1, 1936, at site 0.3 mi upstream at different datum. November 17, 1936, to October 18, 1967, at site 0.1 mi upstream at different datum. October 19, 1967, to September 30, 1971, temporary gage, 250 ft downstream at different datum, while new dam was being constructed 300 ft downstream from old dam.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Small diversions for irrigation above station. Flow regulated by Wild Horse Reservoir (station 13174000), capacity, 71,660 acre-ft, 0.1 mi upstream beginning March 18, 1938. See schematic diagram of Middle Snake River Basin - Boise and Upper Snake River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,810 ft^3/s, May 5, 1922, gage height, 10.11 ft, site and datum then in use; no flow many days, some years, due to gate regulation on reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 119 ft^3/s, June 20, gage height, 1.93 ft; minimum daily discharge, 0.10 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	22	e0.10	1.9	e0.10	e0.10	e0.10	e0.10	36	100	52	72
2	21	22	1.4	1.9	e0.10	e0.10	e0.10	e0.10	36	101	52	72
3	21	22	1.9	1.9	e0.10	e0.10	e0.10	e0.10	36	101	51	72
4	21	22	1.9	1.9	e0.10	e0.10	e0.10	e0.10	37	100	51	72
5	21	22	1.9	1.8	e0.10	e0.10	e0.10	e0.10	37	100	51	72
6	21	22	1.9	1.8	e0.10	e0.10	e0.10	e0.10	37	99	52	72
7	21	22	1.9	1.8	e0.10	e0.10	e0.10	e0.10	37	100	52	72
8	21	22	1.9	1.8	e0.10	e0.10	e0.10	e0.10	54	99	53	72
9	21	22	e1.9	1.9	e0.10	e0.10	e0.10	e0.10	78	93	58	72
10	21	16	1.9	1.8	e0.10	e0.10	e0.10	e0.10	78	86	61	71
11	21	7.7	1.9	e0.10	e0.10	e0.10	e0.10	e0.10	78	88	61	70
12	21	7.6	1.9	e0.10	e0.10	e0.10	e0.10	e0.10	79	88	62	69
13	21	7.7	1.9	e0.10	e0.10	e0.10	e0.10	e0.10	79	87	62	70
14	21	7.7	1.9	e0.10	e0.10	e0.10	e0.10	e0.10	79	71	64	69
15	21	7.7	1.9	e0.10	e0.10	e0.10	e0.10	e0.10	78	51	65	69
16	21	7.7	1.9	e0.10	e0.10	e0.10	e0.10	e0.10	97	50	65	70
17	22	7.6	1.9	e0.10	e0.10	e0.10	e0.10	e0.10	110	50	65	44
18	22	7.5	1.9	e0.10	e0.10	e0.10	e0.10	12	111	51	66	e2.2
19	22	7.4	1.9	e0.10	e0.10	e0.10	e0.10	30	111	51	e65	e2.2
20	22	7.5	1.9	e0.10	e0.10	e0.10	e0.10	31	112	51	e65	2.2
21	22	7.4	1.9	e0.10	e0.10	e0.10	e0.10	31	111	50	e66	2.2
22	22	3.9	1.9	e0.10	e0.10	e0.10	e0.10	32	108	51	67	2.1
23	22	e0.10	1.9	e0.10	e0.10	e0.10	e0.10	32	105	50	68	2.0
24	22	e0.10	1.9	e0.10	e0.10	e0.10	e0.10	33	104	50	69	2.0
25	22	e0.10	1.9	e0.10	e0.10	e0.10	e0.10	33	104	51	69	2.0
26	22	e0.10	1.9	e0.10	e0.10	e0.10	e0.10	34	103	51	70	2.0
27	22	e0.10	1.9	e0.10	e0.10	e0.10	e0.10	35	102	51	70	1.9
28	22	e0.10	1.9	e0.10	e0.10	e0.10	e0.10	35	100	51	72	2.5
29	22	e0.10	1.9	e0.10	e0.10	e0.10	e0.10	35	100	51	72	e3.6
30	22	e0.10	1.9	e0.10	---	e0.10	e0.10	35	100	51	72	e3.5
31	22	---	1.9	e0.10	---	e0.10	---	36	---	52	73	---
TOTAL	666	302.20	56.60	20.60	2.90	3.10	3.00	445.70	2,437	2,176	1,941	1,210.4
MEAN	21.5	10.1	1.83	0.66	0.10	0.10	0.10	14.4	81.2	70.2	62.6	40.3
MAX	22	22	1.9	1.9	0.10	0.10	0.10	36	112	101	73	72
MIN	21	0.10	0.10	0.10	0.10	0.10	0.10	0.10	36	50	51	1.9
AC-FT	1,320	599	112	41	5.8	6.1	6.0	884	4,830	4,320	3,850	2,400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2004, BY WATER YEAR (WY)

MEAN	12.0	4.37	3.43	4.16	6.89	13.5	81.3	121	89.1	78.8	70.4	35.9
MAX	73.0	15.3	46.9	45.7	146	130	549	794	321	404	164	104
(WY)	(1976)	(1953)	(1976)	(1984)	(1972)	(1984)	(1943)	(1984)	(1984)	(1964)	(1985)	(1965)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	1.54	1.00	1.50
(WY)	(1939)	(1939)	(1939)	(1939)	(1939)	(1940)	(1939)	(1941)	(1995)	(1992)	(1918)	(1937)

13174500 OWYHEE RIVER NEAR GOLD CREEK, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1916 - 2004	
ANNUAL TOTAL	8,376.40		9,264.50			
ANNUAL MEAN	22.9		25.3		43.0	
HIGHEST ANNUAL MEAN					161	1984
LOWEST ANNUAL MEAN					9.95	1992
HIGHEST DAILY MEAN	143	Jun 17	112	Jun 20	1,470	May 5, 1922
LOWEST DAILY MEAN	0.10	Jan 1	0.10	Nov 23	0.00	Mar 19, 1938
ANNUAL SEVEN-DAY MINIMUM	0.10	Jan 1	0.10	Nov 23	0.00	Mar 19, 1938
MAXIMUM PEAK FLOW			119	Jun 20	1,810	May 5, 1922
MAXIMUM PEAK STAGE			1.93	Jun 20	10.11	May 5, 1922
ANNUAL RUNOFF (AC-FT)	16,610		18,380		31,140	
10 PERCENT EXCEEDS	109		72		125	
50 PERCENT EXCEEDS	1.9		2.2		6.0	
90 PERCENT EXCEEDS	0.10		0.10		0.00	

e Estimated

MIDDLE SNAKE RIVER BASIN-BOISE, UPPER OWYHEE RIVER BASIN

13175100 OWYHEE RIVER NEAR MOUNTAIN CITY, NV

LOCATION.--Lat 41°51'38", long 115°59'18" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec. 26, T.46 N., R.53 E., Elko County, Hydrologic Unit 17050104, on left bank, 2.1 mi northwest of Mountain City.

DRAINAGE AREA.--391 mi^2.

PERIOD OF RECORD.--April 1991 to September 1995; May 1997 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,560 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. See schematic diagram of Middle Snake River Basin - Boise and Upper Snake River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,850 ft^3/s, March 17, 1993, gage height, 9.81 ft; minimum daily, 0.42 ft^3/s, August 4, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 463 ft^3/s, March 19, gage height, 6.01 ft; minimum daily discharge, 5.4 ft^3/s, September 27.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	28	22	e14	e13	43	188	163	153	139	50	71
2	23	29	18	e14	e13	37	165	167	146	146	51	71
3	23	29	16	e13	e13	42	184	175	136	160	52	72
4	23	28	16	e13	e13	33	203	184	128	166	51	72
5	23	28	17	e13	e13	33	227	198	132	154	49	72
6	23	28	17	e13	e13	32	257	201	133	148	50	72
7	23	29	24	e13	e13	33	262	189	128	146	51	70
8	23	29	21	e13	e13	42	255	179	129	145	50	67
9	23	29	19	e13	e13	63	240	170	173	131	52	67
10	23	29	e18	e13	e13	85	220	166	184	117	71	67
11	23	23	e18	e13	e13	94	202	181	183	121	72	70
12	24	19	e19	e13	e13	102	190	170	167	120	71	72
13	25	19	22	e13	e13	119	187	153	155	122	71	75
14	26	19	22	e13	e13	144	182	135	146	119	70	76
15	26	19	e19	e13	e23	164	167	123	137	60	72	75
16	27	20	e18	e13	35	181	152	117	141	57	73	75
17	27	22	e18	e13	59	210	153	103	170	58	78	72
18	27	21	e19	e13	111	240	139	98	167	59	75	32
19	27	21	e19	e13	166	320	127	143	162	61	71	11
20	27	20	20	e13	145	316	120	149	153	67	71	10
21	27	21	19	e13	141	303	139	150	150	62	71	8.4
22	27	20	19	e13	130	306	152	154	147	58	72	7.4
23	28	e18	19	e13	105	296	190	178	150	57	73	6.4
24	27	e17	18	e13	77	301	186	162	156	54	72	6.1
25	27	e16	19	e13	70	260	166	142	157	54	71	5.8
26	27	15	e17	e13	53	243	164	134	146	55	76	5.7
27	27	18	e15	e13	55	206	173	132	145	55	74	5.4
28	27	17	e15	e13	44	178	189	167	147	52	72	6.0
29	28	17	e15	e13	41	163	185	185	145	43	72	5.7
30	28	29	e15	e13	---	169	170	167	140	44	72	6.7
31	28	---	e14	e13	---	180	---	158	---	49	71	---
TOTAL	789	677	567	405	1,437	4,938	5,534	4,893	4,506	2,879	2,047	1,332.6
MEAN	25.5	22.6	18.3	13.1	49.6	159	184	158	150	92.9	66.0	44.4
MAX	28	29	24	14	166	320	262	201	184	166	78	76
MIN	22	15	14	13	13	32	120	98	128	43	49	5.4
AC-FT	1,560	1,340	1,120	803	2,850	9,790	10,980	9,710	8,940	5,710	4,060	2,640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	21.7	20.1	20.6	21.0	33.8	112	170	248	164	95.6	71.0	44.4
MAX	48.1	31.5	33.9	39.9	113	364	295	617	327	142	127	95.5
(WY)	(1999)	(1995)	(1999)	(1995)	(1995)	(1993)	(1993)	(1998)	(1998)	(1998)	(1999)	(1998)
MIN	7.49	12.4	11.6	7.96	14.0	32.0	35.0	62.2	27.2	2.06	2.72	5.07
(WY)	(1993)	(2002)	(2002)	(2001)	(1998)	(2003)	(1992)	(1992)	(1992)	(1992)	(1992)	(1992)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1991 - 2004	
ANNUAL TOTAL	22,345.9		30,004.6			
ANNUAL MEAN	61.2		82.0		86.0	
HIGHEST ANNUAL MEAN					143	1998
LOWEST ANNUAL MEAN					21.7	1992
HIGHEST DAILY MEAN	308	May 9	320	Mar 19	1,260	Mar 18, 1993
LOWEST DAILY MEAN	2.8	Aug 20	5.4	Sep 27	0.42	Aug 4, 1992
ANNUAL SEVEN-DAY MINIMUM	3.4	Aug 15	5.9	Sep 23	0.72	Jul 29, 1992
MAXIMUM PEAK FLOW			463	Mar 19	1,850	Mar 17, 1993
MAXIMUM PEAK STAGE			6.01	Mar 19	9.81	Mar 17, 1993
ANNUAL RUNOFF (AC-FT)	44,320		59,510		62,290	
10 PERCENT EXCEEDS	155		181		200	
50 PERCENT EXCEEDS	27		58		41	
90 PERCENT EXCEEDS	5.9		13		12	

e Estimated

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CREST-STAGE PARTIAL-RECORD STATIONS

The following table contains annual maximum discharges at crest-stage stations during water year 2004. A crest-stage gage is a device that registers the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharges determined on the basis of current-meter or indirect measurements. “Period of record” indicates the water years for which the annual maximums have been determined.

			2004 Annual Maximum			Period of Record Maximum		
Station Name and Number	Location and Drainage Area	Period of Record (water year)	Date	Gage Height (feet)	Discharge (ft^3/s)	Date	Gage Height (feet)	Discharge (ft^3/s)
LOWER COLORADO RIVER BASIN-LAKE MEAD, MUDDY RIVER BASIN								
California Wash near Moapa, NV (09417300)	Lat 36°36'37", long 114°39'37", in SE ¼ SE ¼ sec.24, T.12 S., R.65 E., Clark County, Hydrologic Unit 15010012, 1.6 mi northwest of Byron Interchange on Interstate Highway 15. Drainage area is about 35 mi^2.	1981, 1987-2004	02-03-04	34.68	E1.0	08-10-81	--	30,600
Weiser Wash near Glendale, NV (09418990)	Lat 36°40'05", long 114°31'10", in SW ¼ SE ¼ sec.31, T.14 S., R.67 E., Clark County, Hydrologic Unit 15010012, at culvert on Interstate Highway 15, about 2 mi east of Glendale at milemarker 93. Drainage area is 43 mi^2.	1966-81, 1984, 1990, 1998-2004	--	--	*	08-29-00	21.02	6,100
LOWER COLORADO RIVER BASIN-LAKE MEAD, LAKE MEAD								
Valley of Fire Wash near Overton, NV (09419545)	Lat 36°24'18", long 114°25'05", in SE ¼ SW ¼ sec.32, T.17 S., R.68 E., Clark County, Hydrologic Unit 15010005, on Northshore Road, 1.1 mi west of Fire Bay. Drainage area is about 28 mi^2.	1984, 1987-2004	02-14-04	43.06	26	08-10-81	--	20,800
Gypsum Wash at Northshore Road near Las Vegas Bay, NV (09419910)	Lat 36°08'42", long 114°51'53", in SW ¼ NE ¼ sec.7, T.21 S., R.64 E., Clark County, Hydrologic Unit 15010005, 1.4 mile east of Lake Mead Blvd. on Northshore Rd. Drainage area is 100.8 mi^2.	1984, 1998, 2000-04	02-14-04	--	E0.5	09-11-98	100.17	17,000
LOWER COLORADO RIVER BASIN-LAKE MEAD, LAS VEGAS WASH								
Cottonwood Valley near Blue Diamond, NV (09419680)	Lat 36°00'35", long 115°25'50", in NE ¼ NW ¼ sec.25, T.22 S., R.58 E., Clark County, Hydrologic Unit 15010015, at culverts on Cottonwood Valley Road, 3 mi southwest of Blue Diamond. Drainage area is 18.3 mi^2.	1961-2004	12-25-03	--	17	01-25-69	8.53	1,100
Oak Creek Wash near Blue Diamond, NV (09419682)	Lat 36°02'41", long 115°22'38", in SW ¼ SW ¼ sec.9, T.22 S., R.59 E., Clark County, Hydrologic Unit 15010015, on Blue Diamond Boulevard, 1.4 mi east of Blue Diamond. Drainage area is 27.5 mi^2.	1969, 1987-2004	12-25-03	40.86	E60	01-25-69	--	4,950
Bird Spring Wash near Arden, NV (09419685)	Lat 36°00'44", long 115°14'33", in NW ¼ NW ¼ sec.26, T.22 S., R.60 E., Clark County, Hydrologic Unit 15010015, 0.5 mile southwest of Arden. Drainage area is 3.61 mi^2.	1987-2004	--	--	*	07-08-99	44.38	40
LOWER COLORADO RIVER BASIN, PIUTE WASH								
Piute Wash tributary near Searchlight, NV (09423300)	Lat 35°28'00", long 114°56'20", in SE ¼ NE ¼ ec.33, T.28 S., R.63 E., Clark County, Hydrologic Unit 15030102, at culvert on State Highway 164, 1.1 mile west of Searchlight, NV. Drainage area is approximately 3.4 mi^2.	1967-82, 1984, 1987-90, 1998-2004	--	--	*	09-11-98	E21	600

CREST-STAGE PARTIAL-RECORD STATIONS-Continued

Station Name and Number	Location and Drainage Area	Period of Record (water year)	2004 Annual Maximum			Period of Record Maximum		
			Date	Gage Height (feet)	Discharge (ft^3/s)	Date	Gage Height (feet)	Discharge (ft^3/s)
CENTRAL NEVADA DESERT BASINS, DIXIE, GABBS, AND IVANPAH-PAHRUMP VALLEYS								
Dixie Valley tributary near Eastgate, NV (10244360)	Lat 39°17'30", long 117°59'00", in SE ¼ sec.36, T.17 N., R.35 E., Churchill County, Hydrologic Unit 16060001, at culvert on U.S. Highway 50, and 6 mi west of Eastgate. Drainage area is approximately 11 mi^2.	1961-2004	08-01-04	4.41	13	08-61	15.00	1,480
Smith Creek Valley tributary near Austin, NV (10249417)	Lat 39°32'21", long 117°28'26", in NE ¼ SE ¼ sec.4, T.19 N., R.40 E., Lander County, Hydrologic Unit 16060002, at culvert on U.S. Highway 50, and 22 mi west of Austin. Drainage area is approximately 0.62 mi^2.	1968-79, 1981-82, 1984, 1988, 1993-2004	10- -04	--	3.0	07-84	--	130
Lovell Wash near Blue Diamond, NV (10251980)	Lat 36°00'10", long 115°38'38", in NE ¼ SW ¼ sec.25, T.22 S., R.56 E. Clark County, Hydrologic Unit 16060015, 13.7 mi west of Blue Diamond and 24 mi southeast of Pahrump. Drainage area is 52.8 mi^2.	1966-68, 1969-77+, 1978-81, 1987, 1999-2004	08-16-04	4.41	79	01-25-69	6.90	4,150
NORTHERN MOJAVE, UPPER AMARGOSA RIVER BASIN								
Fortymile Wash near Amargosa Valley, NV (10251258)	Lat 36°40'18", long 116°26'03", in SW ¼ SW ¼ sec.2, T.15 S., R.49 E., Nye County, Hydrologic Unit 18090202, Nevada Test site, on left bank, 3 mi northwest of intersection of US Highway 95 and State Highway 373. Drainage area is 316 mi^2.	1969, 1983-97+, 1998-2004	--	--	*	07-22-84	7.10	1,430
Amargosa River at Highway 127 near CA-NV Stateline, CA (10251259)	Lat 36°23'12", long 116°25'22", in SW ¼ SE ¼ sec.5, T.26 S., R.5 E., Inyo County, Hydrologic Unit 18090202, on right bank 75 feet upstream from State Highway 127, 1.6 mi south of California-Nevada Stateline. Drainage area is 1,542 mi^2.	1993, 1994-95+, 1998, 2000-04	08-15-04	20.53	E220	07-6-01	20.27	470
WALKER RIVER BASIN, WEST WALKER RIVER BASIN								
Desert Creek near Wellington, NV (10299100)	Lat 38°38'55", long 119°19'30", in SW ¼ SW ¼ sec.8, T.9 S., R.24 E., Lyon County, Hydrologic Unit 16050302, 30 ft above diversion structure, 8 mi southeast of Wellington. Drainage area is 50.4 mi^2.	1964-80, 1997, 1999-2004	06-08-04	2.30	14	06-05-99	3.28	262
CARSON RIVER BASIN, UPPER AND MIDDLE CARSON RIVER BASINS								
Indian Creek above Mouth near Gardnerville, NV (10309035)	Lat 38°52'45", long 119°42'04", in NW ¼ NE ¼ sec.26, T.12 N., R.20 E., Douglas County, Hydrologic Unit 16050201, 0.75 mi above confluence with East Fork Carson River, and 5.0 mi south of Gardnerville. Drainage area is 25.4 mi^2.	1994-98+, 1999-2004	02-26-04	2.86	132	03-10-95	7.13	1,800
Buckeye Wash at East Valley Road near Minden, NV (10309075)	Lat 38°57'53", long 119°42'13", in SW ¼ NE ¼ sec.26, T.13 N., R.20 E., Douglas County, at culvert on East Valley Road 2.9 mi NE of Gardnerville. Hydrologic Unit 16050201. Drainage area is 73.8 mi^2.	1992, 1994-95, 1997-2004	07-03-04	6.10	E990	07-14-92	--	E3,000
Johnson Wash at Fremont Drive near Minden, NV (1030909087)	Lat 39°01'31", long 119°42'13", in NE ¼ NW ¼ sec.2, T.13 N., R.20 E., Douglas County, at culvert on Fremont Drive 6 mi northeast of Gardnerville. Hydrologic Unit 16050201. Drainage area is 10.4 mi^2.	1991-97, 1999-2004	--	--	*	07-22-94	--	E1,400
Genoa Canyon Creek at Genoa, NV (10310410)	Lat 39°00'02", long 119°51'00", in SE ¼ SW ¼ sec.9, T.13 N., R.19 E., Douglas County, Hydrologic Unit 16050201, 0.5 mi southwest of Genoa. Drainage area is 2.24 mi^2.	1997, 2000-04	06-10-04	10.12	0.8	01-01-97	--	E150

CREST-STAGE PARTIAL-RECORD STATIONS-Continued

Station Name and Number	Location and Drainage Area	Period of Record (water year)	2004 Annual Maximum			Period of Record Maximum		
			Date	Gage Height (feet)	Discharge (ft^3/s)	Date	Gage Height (feet)	Discharge (ft^3/s)
CARSON RIVER BASIN, UPPER AND MIDDLE CARSON RIVER BASINS--Continued								
Voltaire Canyon Creek at Carson City, NV (10310600)	Lat 39°07'29", long 119°47'21", in NE ¼ NE ¼ sec.36, T.15 N., R.19 E., Carson City, Hydrologic Unit 16050201, 1.2 miles west of Highway 395 at Carson City. Drainage area is about 1 mi^2.	1979, 1980, 1982, 1986, 1997, 2000-04	--	--	*	01-02-97	--	118
Brunswick Canyon near New Empire, NV (10311450)	Lat 39°10'20", long 119°41'10", in NW ¼ NE ¼ sec.13, T.15 N., R.20 E., Carson City, Hydrologic Unit 16050202, 0.3 mile upstream from mouth, and 2.5 mi east of New Empire. Drainage area is 12.7 mi^2.	1966-78, 1980-2004	08-15-04	2.36	E1.3	03-11-95	5.02	245
Sixmile Canyon Creek at Highway 50 near Dayton, NV (10311725)	Lat 39°17'22", long 119°32'16", in SE ¼ SW ¼ ec.32, T.17 N., R.22 E., Lyon County, Hydrologic Unit 16050202, about 4.9 mi east of Dayton. Drainage area is 17.29 mi^2.	1986, 1995, 1998-2004	--	--	*	02-19-86	--	500
HUMBOLDT RIVER BASIN, NORTH FORK, UPPER HUMBOLDT, LOWER HUMBOLDT RIVER BASINS, AND PINE								
Gance Creek at State Highway 225 near Tuscarora, NV (10317460)	Lat 40°15'08", long 115°47'44", in SE ¼ SE ¼ sec.20, T.36 N., R.55 E., Elko County, Hydrologic Unit 16040102, on right bank 23 mi east of Tuscaroroa, and 35 mi north of Elko. Drainage area is 20.2 mi^2.	1980-81, 2004	04-09-04	1.75	27	04-23-80	1.26	62
East Adobe Creek near Elko, NV (10318850)	Lat 40°51'27", long 115°51'13", in SE ¼ SE ¼ sec.2, T.34 N., R.54 E., Elko County, Hydrologic Unit 16040101, at culvert on State Highway 225, 2.0 mi northwest of Elko. Drainage area is 6.0 mi^2.	1971, 1999-2004	03-19-04	8.36	9.8	07-27-71	--	424
Cole Creek near Palisade, NV (10322980)	Lat 40°35'05", long 116°08'55", in SE ¼ NE ¼ sec.7, T.31 N., R.52 E., Eureka County, Hydrologic Unit 16040104, at culvert on State Highway 278, 3.2 mi southeast of Palisade. Drainage area is 11.4 mi^2.	1962-83, 1985-2004	08-17-04	3.49	4.5	06-83	3.80	1,090
Pole Creek near Golconda, NV (10328000)	Lat 40°54'59", long 117°31'49", in NW ¼ NE ¼ sec.13, T.35 N., R.39 E., Humboldt County, Hydrologic Unit 16040108, 2.0 mi upstream from Devils Canyon, 3 mi southwest of interstate 80 and 4 mi southwest of Golconda. Drainage area is 10.7 mi^2.	1960-73+, 1999-2004	07-18-04	9.97	22	08-5-61	--	E4,000
TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN AND PYRAMID-WINNEMUCCA LAKES								
Jumbo Wash near New Washoe City, NV (10348600)	Lat 39°16'58", long 119°44'16", in SW ¼ NE ¼ sec.04, T.16N., R.20 E., Washoe County, Hydrologic Unit 16050102, 2 mi southeast of New Washoe City. Drainage area is 4.9 mi^2.	1986, 1991, 1999-2004	03-19-04	7.92	0.2	07-22-86	--	1,230
Long Valley Canyon Creek near Lockwood, NV (10350100)	Lat 39°30'04", long 119°38'42", in NW ¼ NW ¼ sec.21, T.19N., R.21E., Storey County, Hydrologic Unit 16050103, 0.75 mi south of U.S. Interstate 80. Drainage area is approximately 82 mi^2.	1956, 1967-78, 1986, 1995-2004	08-15-04	88.14	E51	02-19-86	97.54	5,400
Pyramid Lake tributary near Nixon, NV (10351850)	Lat 39°51'30", long 119°28'32", in SW ¼ SE ¼ sec.14, T.23 N., R.22 E., Washoe County, Hydrologic Unit 16050103, at bridge on former Southern Pacific Railroad right-of-way, 6.5 mi west of Nixon. Drainage area is 1.94 mi^2.	1968-79, 1981-90, 1992-2004	--	--	*	02-19-86	3.87	E950

E Estimated
* No evidence of any flow during the water year
+ Operated as a continuous recording station
< Less than

MISCELLANEOUS SITES

The following table contains discharge data for the sites that were measured during the water year.

Station name and number	Location and drainage area	Period of record (water years)	Measurements		
			Date	Time	Discharge (ft^3/s)
LOWER COLORADO RIVER BASIN-LAKE MEAD, LAKE MEAD					
Colorado River below Hoover Dam, NV 09421500	Lat 36°00'55", long 114°44'16", in NE ¼ SW ¼ sec.03, T.30 N., R.23 W., Mohave-Clark Counties, Hydrologic Unit 15030101, downstream side of Hoover Dam.	1933-2004	11-25-03	1105	5,750
			11-25-03	1123	6,200
			03-03-04	1200	7,400
			05-24-04	1013	14,400
			05-24-04	1025	17,500
			05-24-04	1045	21,500
			06-17-04	1053	30,300
			06-17-04	1114	14,900

Station name and number	Location and drainage area	Period of record (water years)	Measurements				
			Date	Discharge (ft^3/s)	Water Temperature	Specific Conductance	pH
WALKER RIVER BASIN, EAST WALKER RIVER BASIN							
Virginia Creek near Bridgeport, CA (10289000)	Lat 38°11'31", long 119°12'33", in SW ¼ NW ¼ sec.22, T.4 N., R.25 E., Mono County, Hydrologic Unit 16050301, on right bank, 1.2 mi downstream from Clearwater Creek, 3 mi upstream from mouth, and 4.2 mi southeast of Bridgeport.	1954-1975+, 2004	04-02-04	14			
Green Creek near Bridgeport, CA (10289500)	Lat 38°10'26", long 119°13'58", in NE ¼ SE ¼ sec.29, T.4 N., R.25 E., Mono County, Hydrologic Unit 16050301, on right bank, 130 ft downstream from county road bridge, 0.1 mi upstream from diversion to Summers Creek and 5.5 mi south of Bridgeport.	1954-1975+, 2004	04-02-04	28			
By Day Creek near Bridgeport, CA (10291750)	Lat 38°16'08", long 119°18'10", in NW ¼ NW ¼ sec.26, T.5 N., R.24 E., Mono County, Hydrologic Unit 16050301, about 1 mi southwest of Bridgeport Ranger Station, and about 4 mi northwest of Bridgeport.	1995-2004	10-02-03	.19			
			11-12-03	.28			
			12-18-03	.29			
			02-11-04	.36			
			04-01-04	1.9			
			05-10-04	2.2			
			06-16-04	.51			
			07-30-04	.15			
			09-16-04	.13			
Murphy Creek above East Walker River near Bridgeport, CA (10293015)	Lat 38°22'19", long 119°11'50", in NW ¼ SE ¼ sec.14, T.6 N., R.25 E., Mono County, Hydrologic Unit 16050301, 3.5 mi north of Bridgeport Reservoir Dam, and about 8 mi north of Bridgeport.	1995-2004	10-02-03	.58			
			11-13-03	1.0			
			12-17-03	1.0			
			02-12-04	.92			
			03-31-04	2.6			
			05-05-04	2.4			
			06-15-04	1.5			
			07-29-04	.34			
			09-15-04	.68			

MISCELLANEOUS SITES-Continued

Station name and number	Location and drainage area	Period of record (water years)	Measurements				
			Date	Discharge (ft^3/s)	Water Temperature	Specific Conductance	pH
WALKER RIVER BASIN, WEST WALKER RIVER BASIN							
Mill Canyon Creek above Lost Cannon Creek near Walker, CA (10296580)	Lat 38°29'12", long 119°29'01", in SE ¼ NE ¼ sec.6, T.7 N., R23 E., Mono County, Hydrologic Unit 16050302, in Mill Canyon, about 0.5 mi upstream from Lost Cannon Creek, and about 2 mi southwest of Walker.	1995-2004	11-02-03	.73			
			12-18-03	1.2			
			02-11-04	1.0			
			04-01-04	5.2			
			05-10-04	4.4			
			06-16-04	1.8			
			08-03-04	.32			
			09-17-04	.33			
Desert Creek near Wellington, NV (10299100)	Lat 38°38'55", long 119°19'30", in SW ¼ SW ¼ sec.8, T.9 S., R.24 E., Lyon County, Hydrologic Unit 16050302, 30 ft above diversion structure, 8 mi southeast of Wellington. Drainage area is 50.4 mi^2.	1964-80, 1997, 1999-2004	03-23-04	7.8			
			05-04-04	13			
			06-08-04	14			
WALKER RIVER BASIN, WALKER RIVER BASIN							
Walker River at East Bridge Street near Yerington, NV (10301100)	Lat 38°58'58", long 119°10'52", in NE ¼ NE ¼ sec.21, T.13 N., R.25 E., Lyon County, Hydrologic Unit 16050303, at Bridge Street, 0.8 mi west of Yerington.	1995-2004	10-22-03	75			
			12-02-03	76			
			02-11-04	83			
			03-10-04	64			
			04-14-04	182			
			04-14-04	195			
			05-25-04	268			
			07-08-04	173			
			07-08-04	186			
			08-19-04	99			
Walker River at PT Site below Weber Reservoir near Schurz, NV (10301720)	Lat 39°02'02", long 118°51'41", in SW ¼ NW ¼ sec.33, T.14 N., R.28 E., Mineral County, Hydrologic Unit 16050303, 0.6 mi south of Weber Reservoir, and 6.3 mi northwest of Schurz.	1994-2004	10-01-03	1.2	23.0	529	
			10-14-03	76	17.5	357	
			10-29-03	36	13.5	380	
			03-09-04	2.6	10.5	--	
			04-28-04	3.7	15.0	508	
			05-13-04	100	19.5	457	
			05-26-04	69	19.5	435	
			06-09-04	57	20.0	395	
			06-23-04	28	25.5	348	
			07-07-04	72	24.0	346	
			07-22-04	30	26.5	332	
			08-04-04	3.2	22.5	398	
			08-18-04	3.1	22.5	429	
			08-30-04	74	--	347	
			09-15-04	70	18.5	390	
Walker River at Powerline Crossing near Schurz, NV (10302005)	Lat 38°53'41", long 118°46'54", in NW ¼ NE ¼ sec.19, T.12 N., R.29 E., Mineral County, Hydrologic Unit 16050303, 0.9 mi east of U.S. Highway 95, and 4.3 mi southeast of Schurz.	1994-2004	10-17-03	No flow			
			10-30-03	<.01	9.5	782	7.8
			03-09-04	1.2	16.5	629	7.6
			03-27-04	No flow			
			04-21-04	201	12.5	507	
			04-22-04	198	12.0		
			04-23-04	164	13.5	478	8.6
			04-29-04	5.9	10.5	564	7.9
			05-12-04	.15	23.0	654	7.8
			05-25-04	No flow		529	
			06-08-04	No flow			
			06-11-04	No flow			
			06-14-04	72	23.0	394	8.1
			06-15-04	70	20.5		
			06-22-04	31	23.0	394	8.1
			06-28-04	14	20.5		
			07-08-04	No flow			
			07-21-04	No flow			
			08-05-04	No flow			
			08-09-04	No flow			
			08-18-04	No flow			
			08-30-04	No flow			
			09-16-04	No flow			
			09-18-04	32			

MISCELLANEOUS SITES-Continued

Station name and number	Location and drainage area	Period of record (water years)	Measurements				
			Date	Discharge (ft^3/s)	Water Temperature	Specific Conductance	pH
WALKER RIVER BASIN, WALKER RIVER BASIN							
Walker River near mouth at Walker Lake, NV (10302025)	Lat 38°47'28", long 118°43'34", in SE ¼ SE ¼ sec.29, T.11 N., R.29 E., Mineral County, Hydrologic Unit 16050303, 1.5 mi southeast of Pelican Point, and about 10 mi northeast of Walker Lake.	1994-2004	10-17-03	No flow			
			10-30-03	No flow	0.5	530	
			01-26-04	41			
			03-09-04	1.7	19.0	591	
			04-21-04	189			
			04-22-04	198	18.0		
			04-23-04	165	7.0	874	8.3
			04-30-04	4.1	25.0	1320	8.7
			05-12-04	.46	27.5	1340	8.9
			05-27-04	.31			
			05-27-04	.30			
			05-27-04	.13			
			05-27-04	.15			
			06-08-04	No flow			
			06-11-04	No flow			
			06-14-04	79			
			06-15-04	68	29.5	477	8.5
			06-22-04	28	17.0		
			06-28-04	14			
			07-08-04	No flow			
			07-21-04	No flow			
			08-05-04	No flow			
			08-18-04	No flow			
			08-30-04	No flow			
			09-16-04	No flow			
			09-18-04	No flow			

Station name and number	Location and drainage area	Period of record (water years)	Measurements	
			Date	Discharge (ft^3/s)
CARSON RIVER BASIN, UPPER CARSON RIVER BASIN				
Aspen Creek above Leviathan Creek, near Markleeville, CA (103087898)	Lat 38°42'02", long 119°39'30", in NE ¼ NW ¼ sec.15, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, 3.2 mi north of Highway 89 and 6.5 mi east of Markleeville.	1999-2004	10-08-03	.13
			11-19-03	.25
			12-17-03	.19
			01-23-04	.23
			02-23-04	.18
			03-24-04	.56
			04-20-04	.27
			05-24-04	.21
			06-25-04	.17
			07-23-04	.11
			08-18-04	.62
			09-29-04	.14
Indian Creek above Mouth near Gardnerville, NV (10309035)	Lat 38°52'45", long 119°42'04", in NW ¼ NE ¼ sec.26, T.12 N., R.20 E., Douglas County, Hydrologic Unit 16050201, 0.75 mi above confluence with East Fork Carson River, and 5.0 mi south of Gardnerville. Drainage area is 25.4 mi^2.	1994-1998	10-07-03	.24
		1999-2004	02-10-04	.42
			08-04-04	.02
Jobs Canyon Creek near Minden, NV (10310360)	Lat 38°53'26", long 119°50'20", in SW ¼ NW ¼ sec.22, T.12 N. R.19 E., Douglas County, Hydrologic Unit 16050201, 3.6 mi southwest of Centerville. Drainage area is 2.97 mi^2.	1976,	07-01-04	1.6
		1981-1983,	09-30-04	1.2
		1989-2004	12-28-04	1.5
Stutler Canyon Creek near Minden, NV (10310375)	Lat 38°54'35", long 119°50'32", in NW ¼ NW ¼ sec.15, T.12 N., R.19 E., Douglas County, Hydrologic Unit 16050201, 5.3 mi southwest of Minden.	1997-2004	07-01-04	.24
			09-30-04	.29
			12-28-04	.46
Monument Creek near Minden, NV (10310380)	Lat 38°55'03", long 119°50'44", in NE ¼ SE ¼ sec.9, T.12 N., R.19 E., Douglas County, Hydrologic Unit 16050201, above diversion structure and 5.0 mi southwest of Minden.	1997-2004	07-01-04	2.1
			09-30-04	2.6
			12-28-04	2.8

MISCELLANEOUS SITES--Continued

Station name and number	Location and drainage area	Period of record (water years)	Measurements	
			Date	Discharge (ft^3/s)
CARSON RIVER BASIN, UPPER CARSON RIVER BASIN--Continued				
Genoa Canyon Creek at Genoa, NV (10310410)	Lat 39°00'02", long 119°51'00", in SE ¼ SW ¼ sec.9, T.13 N., R.19 E., Douglas County, Hydrologic Unit 16050201, 0.5 mi southwest of Genoa. Drainage area is 2.24 mi^2.	1969,1972, 1976,1977, 1981,1982, 1989-2004	06-10-04	.77
			07-29-04	.46
			09-02-04	.42
James Canyon Creek near Genoa, NV (10310425)	Lat 39°03'07", long 119°50'25", in NW ¼ NE ¼ sec.27, T.14 N., R.19 E., Douglas County, Hydrologic Unit 16050201, 3.3 mi north of Genoa.	1997-2004	07-01-04	.56
			09-30-04	.47
			12-28-04	.45
Water Canyon near Genoa, NV (10310430)	Lat 39°04'17", long 119°50'52", in SW ¼ SE ¼ sec.16, T.14 N., R.19 E., Douglas County, Hydrologic Unit 16050201, 1.5 mi upstream from Foothill Road and about 4.5 mi north of Genoa.	1996-2004	06-30-04	.66
			09-30-04	.70
			12-29-04	.86
Vicee Canyon Creek near Carson City, NV (10311250)	Lat 39°11'12", long 119°48'53", in SW ¼ SE ¼ sec.02, T.15 N., R.19 E., Carson City, Hydrologic Unit 16050201, 2.1 mi west of intersection of West Ormsby Boulevard and Combs Canyon Road.	1984-85 1989-97+ 1998-2004	12-12-02	.02
			01-21-03	.05
			07-27-04	.01
			07-29-04	.01
			08-15-04	.21
Vicee Canyon Creek near Sagebrush Ranch near Carson City, NV (10311260)	Lat 39°11'03", long 119°48'18", in NE ¼ NE ¼ sec.11, T.15 N., R.19 E., Carson City, Hydrologic Unit 16050201, 0.7 mi southwest of intersection of West Ormsby Boulevard and Combs Canyon Road.	1984-85 1989-97+ 1998-2004	10-08-03	No flow
			11-10-03	<.01
			01-08-04	No flow
			02-09-04	No flow
			03-15-04	1.7
			05-11-04	.20
			06-10-04	No flow
			08-03-04	No flow
			09-07-04	.07
CARSON RIVER BASIN, MIDDLE CARSON RIVER BASINS				
Carson River below Dayton, NV (10311715)	Lat 39°16'56", long 119°32'01", in SW ¼ NE ¼ sec.05, T.16 N., R.22 E., Lyon County, Hydrologic Unit 16050202, on left bank, 5.3 mi downstream of Dayton Valley Road bridge in Dayton.	1994-97+, 1998, 2004	10-01-03	4.0
			11-24-03	73
			01-07-04	129
			02-20-04	249
			04-12-04	513
			05-13-04	530
			06-23-04	60
			08-18-04	3.1
			09-15-04	2.1
Carson River near Silver Springs, NV (10312020)	Lat 39°16'56", long 119°32'01", in NE ¼ SE ¼ sec.35, T.17 N., R.24 E., Lyon County, Hydrologic Unit 16050202, at Weeks bridge, 8.5 mi south of Silver Springs, NV.	2001-2004	10-23-03	3.8
			11-20-03	84
			12-29-03	153
			01-20-04	171
			02-23-04	231
			03-17-04	509
			03-24-04	793
			04-06-04	641
			04-21-04	308
			05-05-04	784
			06-16-04	203
			07-27-04	5.9
			08-24-04	3.3
			09-20-04	0.9

MISCELLANEOUS SITES--Continued

Station name and number	Location and drainage area	Period of record (water years)	Measurements	
			Date	Discharge (ft^3/s)
HUMBOLDT RIVER BASIN, NORTH FORK HUMBOLDT RIVER				
Gance Creek at StateHighway 225 near Tuscarora, NV (10317460)	Lat 41°15'08", long 115°47'44", in SE ¼ SE ¼ sec.20, T.39 N., R.55E., Elko County, Hydrologic Unit 16040102, right bank, 7 mi north of intersection of Hwy's 225 and 226, on State route 255	1979-82, 2004	03-18-04	9.2
			06-16-04	.33
HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN				
East Adobe Creek near Elko, NV (10318850)	Lat 40°51'27", long 115°51'13", in SE ¼ SE ¼ sec.2, T.34 N., R.54 E., Elko County, Hydrologic Unit 16040101, at culvert on State Highway 225, 2.0 mi northwest of Elko. Drainage area is 6.0 mi^2.	1971, 1999-2004	03-15-04	8.4
			03-15-04	8.5
			03-25-04	2.9
			04-09-04	.47
			04-22-04	.32
			05-18-04	.16
HUMBOLDT RIVER BASIN, PINE				
Cole Creek near Palisade, NV (10322980)	Lat 40°35'05", long 116°08'55", in SE ¼ NE ¼ sec.7, T.31 N., R.52 E., Eureka County, Hydrologic Unit 16040104, at culvert on State Highway 278, 3.2 mi southeast of Palisade. Drainage area is 11.4 mi^2.	1962-83 1985-2004	03-30-04	.73
			05-18-04	.06
			06-30-04	.04
			09-03-04	.13
HUMBOLDT RIVER BASIN, LOWER HUMBOLDT RIVER BASIN				
Pole Creek near Golconda, NV (10328000)	Lat 40°54'59", long 117°31'49", in NW ¼ NE ¼ sec.13, T.35 N., R.39 E., Humboldt County, Hydrologic Unit 16040108, 2.0 mi upstream from Devils Canyon, 3 mi southwest of interstate 80 and 4 mi southwest of Golconda. Drainage area is 10.7 mi^2.	1960-73 1999-2004	11-05-03	.34
			12-18-03	.62
			01-29-04	.84
			03-24-04	15
			05-04-04	16
			06-17-04	4.6
			08-04-04	.09
			09-09-04	.08
TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN				
Burke Creek below Highway 50 near Stateline, NV (10336747)	Lat 38°58'17", long 119°56'03", in SW ¼ NW ¼ sec.23, T.13 N., R.18 E., Douglas County, Hydrologic Unit 16050101, downstream of U.S. Highway 50, and about 1.0 mi northeast of Stateline.	2004	10-09-03	.22
			11-05-03	.33
			12-04-03	.30
			01-09-04	.42
			02-06-04	.44
			03-04-04	.43
			03-18-04	1.0
			04-09-04	.42
			05-05-04	.23
			06-04-04	.26
			07-05-04	.27
			08-05-04	.12
			09-10-04	.12
Cold Creek at Pioneer trail near South Lake Tahoe, CA (10336778)	Lat 38°54'32", long 119°57'39", in NE ¼ NW ¼ sec.11, T.12 N., R.18 E., Eldorado County, Hydrologic Unit 16050101, upstream of Pioneer Trail Road, and about 2.5 mi south of South Lake Tahoe.	2001-2003+ 2004	12-14-03	5.3
			01-13-04	5.8
			04-16-04	8.9
			04-19-04	8.2
			05-27-04	9.8
			06-30-04	9.9
			08-05-04	6.1
McCrays Canyon near Carson City, NV (10348480)	Lat 39°12'13", long 119°52'48", in SW ¼ SW ¼ sec.32, T.16 N., R.19 E., Washoe County, Hydrologic Unit 16050101, 0.5 mi upstream from mouth, and 6.5 mi northwest of Carson City.	1974-81, 1985-92, 1994-2004	10-08-03	.16
			02-10-04	.11
			06-03-04	1.2
Jumbo Wash near New Washoe City, NV (10348600)	Lat 39°16'58", long 119°44'16", in SW ¼ NE ¼ sec.04, T.16N., R.20 E., Washoe County, Hydrologic Unit 16050102, 2 mi southeast of New Washoe City. Drainage area is 4.9 mi	1986, 1991, 1999-2004	02-09-04	.05
			03-19-04	.23
			05-07-04	.12

+ Operated as a continuous recording station

GROUND WATER AND PROJECT RECORDS

STATE OF NEVADA--HYDROGRAPHIC AREAS

1-NORTHWEST REGION

1. Pueblo V.
2. Continental Lake V.
3. Gridley Lake V.
4. Virgin V.
5. Sage Hen V.
6. Guano V.
7. Swan Lake V.
8. Massacre Lake V.
9. Long V.
10. Macy Flat
11. Coleman V.
12. Mosquito V.
13. Warner V.
14. Surprise V.
15. Boulder V.
16. Duck Lake V.

2-BLACK ROCK DESERT REGION

17. Pilgrim Flat
18. Painter Flat
19. Dry V.
20. Sano V.
21. Smoke Creek Desert
22. San Emidio Desert
23. Granite Basin
24. Hualapai Flat
25. High Rock Lake V.
26. Mud Meadow
27. Summit Lake V.
28. Black Rock Desert
29. Pine Forest V.
30. Kings River V.
    (A) Rio King Subarea
    (B) Sod House Subarea
31. Desert V.
32. Silver State V.
33. Quinn River V.
    (A) Orovada Subarea
    (B) McDermitt Subarea

3-SNAKE RIVER BASIN

34. Little Owyhee River Area
35. South Fork Owyhee River Area
36. Independence V.
37. Owyhee River Area
38. Bruneau River Area
39. Jarbidge River Area
40. Salmon Falls Creek Area
41. Goose Creek Area

4-HUMBOLDT RIVER BASIN

42. Marys River Area
43. Starr V. Area
44. North Fork Area
45. Lamoille V.
46. South Fork Area
47. Huntington V.
48. Dixie Creek -- Tenmile Creek Area
49. Elko Segment
50. Susie Creek Area
51. Maggie Creek Area
52. Marys Creek Area
53. Pine V.
54. Crescent V.
55. Carico Lake V.
56. Upper Reese River V.
57. Antelope V.
58. Middle Reese River V.
59. Lower Reese River V.
60. Whirlwind V.
61. Boulder Flat
62. Rock Creek V.
63. Willow Creek V.
64. Clovers Area
65. Pumpernickel V.
66. Kelly Creek Area
67. Little Humboldt V.
68. Hardscrabble Area
69. Paradise V.
70. Winnemucca Segment
71. Grass V.
72. Imlay Area
73. Lovelock V.
    (A) Oreana Subarea
74. White Plains

5-WEST CENTRAL REGION

75. Bradys Hot Springs Area
76. Fernley Area
77. Fireball V.
78. Granite Springs V.
79. Kumiva V.

6-TRUCKEE RIVER BASIN

80. Winnemucca Lake V.
81. Pyramid Lake V.
82. Dodge Flat
83. Tracy Segment
84. Warm Springs V.
85. Spanish Springs V.
86. Sun V.
87. Truckee Meadows
88. Pleasant V.
89. Washoe V.
90. Lake Tahoe Basin
91. Truckee Canyon Segment

7-WESTERN REGION

92. Lemmon V.
    (A) Western Part
    (B) Eastern Part
93. Antelope V.
94. Bedell Flat
95. Dry V.
96. Newcomb Lake V.
97. Honey Lake V.
98. Skedaddle Creek V.
99. Red Rock V.
100. Cold Spring V.
    (A) Long V.

8-CARSON RIVER BASIN

101. Carson Desert
    (A) Packard V.
102. Churchill V.
103. Dayton V.
104. Eagle V.
105. Carson Valley

9-WALKER RIVER BASIN

106. Antelope V.
107. Smith V.
108. Mason V.
109. East Walker Area
110. Walker Lake V.
    (A) Schurz Subarea
    (B) Lake Subarea
    (C) Whisky Flat -- Hawthorne Subarea

10-CENTRAL REGION

111. Alkali V. (Mineral).
    (A) Northern Part
    (B) Southern Part
112. Mono V.
113. Huntoon V.
114. Teels Marsh V.
115. Adobe V.
116. Queen V.
117. Fish Lake V.
118. Columbus Salt Marsh V.
119. Rhodes Salt Marsh V.
120. Garfield Flat
121. Soda Spring V.
    (A) Eastern Part
    (B) Western Part
122. Gabbs V.
123. Rawhide Flats
124. Fairview V.
125. Stingaree V.
126. Cowkick V.
127. Eastgate V. Area
128. Dixie V.
129. Buena Vista V.
130. Pleasant V.
131. Buffalo V.
132. Jersey V.
133. Edwards Creek V.
134. Smith Creek V.
135. Ione V.
136. Monte Cristo V.
137. Big Smoky V.
    (A) Tonopah Flat
    (B) Northern Part
138. Grass V.
139. Kobeh V.
140. Monitor V.
    (A) Northern Part
    (B) Southern Part
141. Ralston V.
142. Alkali Spring V. (Esmeralda)
143. Clayton V.
144. Lida V.
145. Stonewall Flat
146. Sarcobatus Flat
147. Gold Flat
148. Cactus Flat
149. Stone Cabin V.
150. Little Fish Lake V.
151. Antelope V. (Eureka & Nye)
152. Stevens Basin
153. Diamond V.
154. Newark V.
155. Little Smoky V.
    (A) Northern Part
    (B) Central Part
    (C) Southern Part
156. Hot Creek V.
157. Kawich V.
158. Emigrant V.
    (A) Groom Lake V.
    (B) Papoose Lake V.
159. Yucca Flat
160. Frenchman Flat
161. Indian Springs V.
162. Pahrump V.
163. Mesquite V. (Sandy V.)
164. Ivanpah V.
    (A) Northern Part
    (B) Southern Part
165. Jean Lake V.
166. Hidden V. (South)
167. Eldorado V.
168. Three Lakes V. (Northern Part)
169. Tikapoo V. (Tickaboo V.)
    (A) Northern Part
    (B) Southern Part
170. Penoyer V. (Sand Spring V.)
171. Coal V.
172. Garden V.
173. Railroad V.
    (A) Southern Part
    (B) Northern Part
174. Jakes V.
175. Long V.
176. Ruby V.
177. Clover V.
178. Butte V.
    (A) Northern Part (Round V.)
    (B) Southern Part
179. Steptoe V.
180. Cave V.
181. Dry Lake V.
182. Delamar V.
183. Lake V.
184. Spring V.
185. Tippett V.
186. Antelope V. (White Pine & Elko)
    (A) Southern Part
    (B) Northern Part
187. Goshute V.
188. Independence V. (Pequop V.)

11-GREAT SALT LAKE BASIN

189. Thousand Springs V.
    (A) Herrill Siding--Brush Creek Area
    (B) Toano--Rock Spring Area
    (C) Rocky Butte Area
    (D) Montello--Crittenden Creek Area (Montello V.)
190. Grouse Creek V.
191. Pilot Creek V.
192. Great Salt Lake Desert
193. Deep Creek V.
194. Pleasant V.
195. Snake V.
196. Hamlin V.

12-ESCALANTE DESERT

197. Escalante Desert

13-COLORADO RIVER BASIN

198. Dry V.
199. Rose V.
200. Eagle V.
201. Spring V.
202. Patterson V.
203. Panaca V.
204. Clover V.
205. Lower Meadow Valley Wash
206. Kane Springs V.
207. White River V.
208. Pahroc V.
209. Pahranagat V.
210. Coyote Spring V.
211. Three Lakes V. (Southern Part)*
212. Las Vegas V.
213. Colorado V.
214. Piute V.
215. Black Mountains Area
216. Garnet V. (Dry Lake V.)*
217. Hidden V. (North)*
218. California Wash
219. Muddy River Springs Area (Upper Moapa V.)
220. Lower Moapa V.
221. Tule Desert
222. Virgin River V.
223. Gold Butte Area
224. Greasewood Basin

*Noncontributing part of the Colorado River Basin

14-DEATH VALLEY BASIN

225. Mercury V.
226. Rock V.
227. Fortymile Canyon
    (A) Jackass Flats
    (B) Buckboard Mesa
228. Oasis V.
229. Crater Flat
230. Amargosa Desert
231. Grapevine Canyon
232. Oriental Wash

GROUND-WATER LEVELS, CONTINUOUS OBSERVATION WELLS

DESERT VALLEY

404901118223601. Local number, 031 N34 E32 16ABDC1.

LOCATION.--Lat 40°49'01", long 118°22'36" referenced to North American Datum of 1927, in SE ¼ NW ¼ NE ¼ sec. 16, T.34 N., R.32 E., Pershing County, Hydrologic Unit 16040201, approximately 22 mi north of Imlay.

AQUIFER.--Alluvium of Quaternary age.

INSTRUMENTATION.--Water level recorder.

WELL CHARACTERISTICS.--Diameter 6 in, depth 155 ft, perforated 147 to 152 ft, cased with 2-inch pvc pipe.

DATUM.--Elevation of land-surface datum is 4,210 ft above National Geodetic Vertical Datum of 1929 from topographic map. Measuring point: Top of north edge of casing 0.0 ft above land-surface datum.

PERIOD OF RECORD.--1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface, 119.87 ft, September 19, 2004; minimum water-level depth below land surface measured, 83.20 ft, November 11, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 119.87 ft, September 19; minimum water-level depth below land surface, 119.58 ft, October 2 and 6.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119.63	119.66	119.70	119.72	119.75	119.74	119.75	119.72	119.71	119.74	119.77	119.79
2	119.63	119.65	119.70	119.72	119.73	119.78	119.74	119.71	119.71	119.73	119.78	119.79
3	119.64	119.68	119.69	119.75	119.77	119.74	119.75	119.71	119.73	119.74	119.77	119.80
4	119.64	119.67	119.69	119.73	119.77	119.75	119.73	119.71	119.71	119.75	119.77	119.80
5	119.64	119.68	119.68	119.72	119.77	119.76	119.73	119.72	119.71	119.75	119.78	119.80
6	119.63	119.67	119.68	119.70	119.73	119.78	119.74	119.72	119.70	119.74	119.78	119.79
7	119.64	119.67	119.71	119.75	119.77	119.75	119.73	119.72	119.72	119.74	119.78	119.79
8	119.64	119.66	119.72	119.75	119.76	119.74	119.74	119.72	119.72	119.75	119.78	119.80
9	119.64	119.68	119.67	119.74	119.76	119.75	119.74	119.69	119.73	119.75	119.78	119.79
10	119.66	119.68	119.70	119.73	119.75	119.76	119.73	119.72	119.72	119.76	119.78	119.81
11	119.64	119.68	119.71	119.74	119.76	119.73	119.72	119.72	119.72	119.75	119.77	119.79
12	119.66	119.65	119.70	119.75	119.75	119.75	119.73	119.72	119.73	119.75	119.78	119.80
13	119.64	119.68	119.68	119.74	119.75	119.76	119.73	119.71	119.72	119.76	119.79	119.81
14	119.64	119.67	119.72	119.72	119.75	119.76	119.72	119.71	119.72	119.76	119.78	119.81
15	119.65	119.67	119.73	119.74	119.76	119.76	119.73	119.71	119.72	119.75	119.78	119.79
16	119.66	119.67	119.71	119.75	119.75	119.75	119.72	119.71	119.73	119.75	119.78	119.80
17	119.65	119.71	119.71	119.74	119.75	119.74	119.73	119.72	119.72	119.76	119.78	119.79
18	119.65	119.68	119.70	119.75	119.76	119.74	119.74	119.74	119.73	119.76	119.78	119.81
19	119.66	119.66	119.68	119.74	119.76	119.77	119.72	119.71	119.73	119.75	119.79	119.81
20	119.66	119.67	119.71	119.76	119.74	119.76	119.72	119.72	119.73	119.76	119.78	---
21	119.64	119.69	119.73	119.76	119.75	119.74	119.73	119.71	119.72	119.75	119.78	119.78
22	119.65	119.71	119.70	119.74	119.74	119.73	119.74	119.70	119.73	119.76	119.78	119.78
23	119.67	119.67	119.68	119.71	119.76	119.75	119.72	119.72	119.74	119.76	119.79	119.79
24	119.66	119.67	119.71	119.74	119.76	119.75	119.73	119.72	119.73	119.77	119.79	119.79
25	119.67	119.67	119.71	119.76	119.72	119.74	119.73	119.72	119.72	119.76	119.79	119.78
26	119.65	119.72	119.75	119.75	119.76	119.77	119.72	119.71	119.72	119.75	119.81	119.79
27	119.64	119.69	119.73	119.75	119.76	119.77	119.70	119.71	119.74	119.76	119.79	119.78
28	119.62	119.67	119.69	119.75	119.76	119.75	119.72	119.71	119.73	119.76	119.78	119.78
29	119.64	119.69	119.69	119.74	119.74	119.72	119.73	119.73	119.73	119.77	119.79	119.80
30	119.68	119.68	119.73	119.74	---	119.74	119.73	119.71	119.74	119.77	119.79	---
31	119.67	---	119.71	119.75	---	119.75	---	119.70	---	119.77	119.79	---
MAX	119.68	119.72	119.75	119.76	119.77	119.78	119.75	119.74	119.74	119.77	119.81	---
MIN	119.62	119.65	119.67	119.70	119.72	119.72	119.70	119.69	119.70	119.73	119.77	---

GROUND-WATER LEVELS CONTINUOUS OBSERVATION WELLS

PARADISE VALLEY

412910117321001. Local Number, 069 N42 E39 25CAC 1

LOCATION.--Lat 41°29'10", long 117°32'10" referenced to North American Datum of 1927, in SW ¼ NE ¼ SW ¼ sec. 25, T.42 N., R.39 E., Humboldt County, Hydrologic Unit 16040109, approximately 40 mi northeast of Winnemucca.

AQUIFER.--Aquifer is alluvium of Quarternary age.

WELL CHARACTERISTICS.--Diameter 6 ft, depth 17.4 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 4,523 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Angle iron 5.03 ft below land-surface datum.

PERIOD OF RECORD.--1945 (unpublished and available in the files of the U.S. Geological Survey); 1946 through 1975 (unpublished and available in the files of the U.S. Geological Survey); 1976 to current year.

REVISED RECORDS.--WDR-NV-86-1:1984-85.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface measured, 11.03 ft, November 16, 1961; minimum water-level depth below land surface measured, 0.80 ft, September 23, 1955.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 9.05 ft, February 14; minimum water-level depth below land surface, 2.32 ft, May 29.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.20	8.63	8.81	8.86	9.00	8.50	7.75	7.71	2.44	5.37	7.28	8.28
2	8.22	8.64	8.81	8.88	9.01	8.49	7.74	7.71	2.54	5.43	7.33	8.31
3	8.24	8.64	8.82	8.89	9.01	8.47	7.73	7.71	2.74	5.48	7.37	8.33
4	8.26	8.65	8.82	8.89	9.01	8.45	7.72	7.71	2.94	5.56	7.41	8.35
5	8.29	8.66	8.83	8.90	9.01	8.44	7.71	7.67	3.10	5.64	7.45	8.37
6	8.30	8.66	8.83	8.90	9.02	8.41	7.71	7.12	3.25	5.71	7.49	8.40
7	8.32	8.67	8.81	8.90	9.02	8.38	7.71	6.12	3.39	5.77	7.52	8.42
8	8.34	8.68	8.83	8.91	9.02	8.36	7.70	5.40	3.53	5.84	7.56	8.44
9	8.36	8.68	8.84	8.91	9.03	8.33	7.70	4.68	3.63	5.91	7.61	8.47
10	8.38	8.68	8.84	8.92	9.03	8.30	7.70	4.09	3.70	5.98	7.65	8.49
11	8.39	8.69	8.84	8.92	9.04	8.26	7.69	3.84	3.80	6.04	7.69	8.51
12	8.41	8.70	8.86	8.93	9.04	8.23	7.69	3.81	3.90	6.12	7.73	8.53
13	8.43	8.70	8.78	8.88	9.04	8.20	7.69	3.85	4.01	6.20	7.77	8.54
14	8.44	8.71	8.78	8.91	8.83	8.17	7.69	3.91	4.13	6.27	7.81	8.56
15	8.45	8.72	8.81	8.93	8.34	8.14	7.70	3.97	4.23	6.35	7.84	8.57
16	8.46	8.73	8.83	8.93	8.32	8.10	7.70	4.05	4.33	6.40	7.86	8.58
17	8.48	8.73	8.84	8.94	8.25	8.07	7.70	4.13	4.42	6.47	7.85	8.59
18	8.49	8.74	8.85	8.95	8.14	8.04	7.71	4.24	4.51	6.54	7.90	8.60
19	8.51	8.75	8.86	8.95	8.13	8.01	7.71	4.27	4.59	6.57	7.93	8.61
20	8.52	8.75	8.86	8.96	8.28	7.99	7.71	4.26	4.65	6.63	7.96	8.60
21	8.53	8.76	8.86	8.96	8.67	7.96	7.71	4.25	4.72	6.69	7.98	8.60
22	8.54	8.76	8.87	8.97	8.67	7.93	---	4.00	4.79	6.74	8.01	8.61
23	8.55	8.73	8.87	8.97	8.64	7.90	---	3.76	4.86	6.80	8.04	8.61
24	8.56	8.75	8.85	8.97	8.63	7.88	---	3.27	4.93	6.86	8.06	8.62
25	8.57	8.77	8.84	8.98	8.62	7.86	---	3.15	4.99	6.92	8.09	8.64
26	8.59	8.77	8.87	8.98	8.59	7.84	---	3.22	5.05	6.97	8.12	8.65
27	8.60	8.78	8.88	8.98	8.58	7.82	7.71	2.94	5.12	7.02	8.14	8.66
28	8.60	8.80	8.89	8.99	8.53	7.81	7.70	2.57	5.17	7.07	8.17	8.67
29	8.61	8.80	8.89	8.99	8.51	7.78	7.71	2.36	5.23	7.13	8.20	8.68
30	8.62	8.80	8.89	8.99	---	7.77	7.71	2.39	5.31	7.17	8.22	8.68
31	8.63	---	8.84	9.00	---	7.76	---	2.51	---	7.22	8.25	---
MAX	8.63	8.80	8.89	9.00	9.04	8.50	---	7.71	5.31	7.22	8.25	8.68
MIN	8.20	8.63	8.78	8.86	8.13	7.76	---	2.36	2.44	5.37	7.28	8.28

GROUND-WATER LEVELS, CONTINUOUS OBSERVATION WELLS

TRUCKEE MEADOWS

392507119462001. Local Number, 087 N18 E20 19AABA1

LOCATION.--Lat 39°25'06.8", long 119°46'20.4" referenced to North American Datum of 1927, in NW ¼ NE ¼ NE ¼ sec. 19, T.18 N., R.20 E., Washoe County, Hydrologic Unit 16050201.

WELL CHARACTERISTICS.--Diameter 2 in, depth 139 ft, cased with 2 in pvc pipe to 139 ft, perforated 129 to 139 ft.

INSTRUMENTATION.--Water-level recorder.

PERIOD OF RECORD.--January 2002 to current year.

GAGE.--Elevation of land-surface datum is 4,670 ft above National Geodetic Vertical Datum of 1929. Measuring Point: Top of casing on north side, 0.5 ft below land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface, 139.28 ft, September 9, 12, 2004; minimum water-level depth below land surface measured, 132.70 ft, January 22, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 139.28 ft, September 9, 12; minimum water-level depth below land surface, 136.57 ft, January 9, 10.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	136.82	137.02	137.50	138.14	138.87	139.16	139.16	139.19
2	---	---	---	---	136.85	136.97	137.52	138.16	138.86	139.17	139.17	139.17
3	---	---	---	---	136.87	136.93	137.54	138.18	138.87	139.17	139.17	139.17
4	---	---	---	---	136.89	136.93	137.56	138.17	138.89	139.16	139.16	139.19
5	---	---	---	---	136.90	136.95	137.58	138.16	138.92	139.17	139.16	139.20
6	---	---	---	---	136.91	136.96	137.61	138.19	138.94	139.16	139.17	139.19
7	---	---	---	136.60	136.92	136.99	137.63	138.22	138.96	139.16	139.15	139.18
8	---	---	---	136.60	136.94	137.01	137.67	138.24	138.97	139.17	139.18	139.17
9	---	---	---	136.59	136.95	137.00	137.69	138.26	138.98	139.16	139.17	139.18
10	---	---	---	136.59	136.96	137.02	137.71	138.29	139.00	139.17	139.16	139.18
11	---	---	---	136.63	136.97	137.03	137.73	138.31	139.02	139.16	139.16	139.17
12	---	---	---	136.62	136.98	137.05	137.76	138.32	139.03	139.16	139.17	139.20
13	---	---	---	136.65	136.99	137.06	137.77	138.35	139.05	139.16	139.16	139.12
14	---	---	---	136.67	137.00	137.09	137.79	138.38	139.07	139.10	139.17	139.08
15	---	---	---	136.69	137.00	137.11	137.81	138.41	139.09	139.14	139.17	139.08
16	---	---	---	136.72	137.01	137.11	137.84	138.44	139.11	139.14	139.18	139.08
17	---	---	---	136.74	137.02	137.12	137.87	138.47	139.20	139.14	139.16	139.07
18	---	---	---	136.76	137.03	137.15	137.89	138.49	139.18	139.14	139.17	139.08
19	---	---	---	136.78	137.03	137.19	137.90	138.52	139.19	139.13	139.17	139.07
20	---	---	---	136.80	137.04	137.22	137.91	138.55	139.19	139.16	139.18	139.07
21	---	---	---	136.83	137.04	137.24	137.92	138.58	139.17	139.16	139.18	139.07
22	---	---	---	136.77	137.04	137.27	137.94	138.60	139.19	139.15	139.17	139.07
23	---	---	---	136.72	137.07	137.30	137.97	138.63	139.17	139.15	139.17	139.07
24	---	---	---	136.73	137.01	137.32	138.00	138.66	139.18	139.13	139.19	139.07
25	---	---	---	136.76	136.98	137.34	138.03	138.68	139.17	139.13	139.16	139.07
26	---	---	---	136.78	136.96	137.37	138.05	138.71	139.17	139.14	139.17	139.07
27	---	---	---	136.81	136.98	137.40	138.06	138.74	139.18	139.15	139.19	139.07
28	---	---	---	136.81	137.01	137.43	138.08	138.76	139.17	139.17	139.19	139.07
29	---	---	---	136.81	136.99	137.44	138.10	138.79	139.17	139.16	139.19	139.07
30	---	---	---	136.82	---	137.47	138.12	138.82	139.17	139.16	139.17	139.07
31	---	---	---	136.84	---	137.48	---	138.84	---	139.16	139.17	---
MAX	---	---	---	---	137.07	137.48	138.12	138.84	139.20	139.17	139.19	139.20
MIN	---	---	---	---	136.82	136.93	137.50	138.14	138.86	139.10	139.15	139.07

GROUND-WATER LEVELS, CONTINUOUS OBSERVATION WELLS

TRUCKEE MEADOWS

392918119464901. Local Number, 087 N19 E20 30BADD1

LOCATION.--Lat 39°29'17.9", long 119°46'48.8" referenced to North American Datum of 1927, in SE ¼ NE ¼ NW ¼ sec. 30, T.19 N., R.20 E., Washoe County, Hydrologic Unit 16050102.

WELL CHARACTERISTICS.--Diameter 2 in, depth 21 ft, cased to 22 ft with 2 in pvc pipe, perforated 11 to 21 ft.

INSTRUMENTATION.--Water level recorder.

DATUM.--Elevation is 4,409 ft above National Geodetic Vertical Datum of 1929 from topographic map. Measuring Point: Top of casing on west side, 0.4 ft below land surface datum.

PERIOD OF RECORD.--January 2002, December 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface, 6.93 ft, September 26, 2004; minimum water-level depth below land surface measured, 4.38 ft, March 11, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 6.93 ft, September 26; minimum water-level depth below land surface, 4.38 ft, March 11.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	5.02	4.77	4.92	5.15	---	---	---	---
2	---	---	---	---	5.02	4.72	4.89	5.21	---	---	---	---
3	---	---	---	---	5.03	4.61	4.96	5.20	---	---	---	---
4	---	---	---	---	5.03	4.59	4.98	---	---	---	---	---
5	---	---	---	---	5.06	4.58	4.91	---	---	---	---	---
6	---	---	---	---	5.04	4.55	4.93	---	---	---	---	---
7	---	---	---	5.03	5.03	4.55	5.03	---	---	---	---	---
8	---	---	---	5.07	5.04	4.53	5.05	---	---	---	---	---
9	---	---	---	5.13	5.04	4.47	5.05	---	---	---	---	---
10	---	---	---	5.10	5.04	4.46	5.02	---	---	---	---	---
11	---	---	---	5.10	5.04	4.42	5.02	---	---	---	---	---
12	---	---	---	5.10	5.02	4.41	5.03	---	---	---	---	---
13	---	---	---	5.10	5.01	4.54	4.93	---	---	---	---	6.48
14	---	---	---	5.10	5.03	4.63	4.89	---	---	---	---	6.41
15	---	---	---	5.05	4.98	4.67	4.93	---	---	---	---	6.37
16	---	---	---	5.06	4.99	4.72	4.96	---	---	---	---	6.46
17	---	---	---	5.08	5.00	4.72	4.96	---	---	---	---	6.49
18	---	---	---	5.08	5.00	4.78	4.93	---	---	---	---	6.45
19	---	---	---	5.08	4.99	4.78	4.90	---	---	---	---	6.48
20	---	---	---	5.04	4.96	4.74	4.90	---	---	---	---	6.51
21	---	---	---	4.98	4.89	4.73	4.92	---	---	---	---	6.57
22	---	---	---	4.91	4.91	4.72	4.99	---	---	---	---	6.62
23	---	---	---	4.84	4.94	4.75	5.00	---	---	---	---	6.60
24	---	---	---	4.82	4.95	4.80	5.07	---	---	---	---	6.65
25	---	---	---	4.83	4.88	4.80	5.06	---	---	---	---	6.73
26	---	---	---	4.84	4.73	4.79	5.05	---	---	---	---	6.80
27	---	---	---	4.84	4.75	4.80	5.12	---	---	---	---	6.78
28	---	---	---	4.83	4.76	4.80	5.02	---	---	---	---	6.78
29	---	---	---	4.88	4.79	4.84	5.12	---	---	---	---	6.74
30	---	---	---	4.92	---	4.83	5.17	---	---	---	---	6.76
31	---	---	---	4.97	---	4.89	---	---	---	---	---	---
MAX	---	---	---	---	5.06	4.89	5.17	---	---	---	---	---
MIN	---	---	---	---	4.73	4.41	4.89	---	---	---	---	---

391030119480701. Local Number, 104 N15 E19 12CCAA1

LOCATION.--Lat 39°10'30", long 119°48'07" referenced to North American Datum of 1927, in NE ¼ SW ¼ SW ¼ sec. 12, T.15 N., R.19 E., Carson City, Hydrologic Unit 16050201.

WELL CHARACTERISTICS.--Diameter 2 in, depth 185 ft, cased with 2 in pvc pipe to 185 ft, perforated 170 to 180 ft.

INSTRUMENTATION.--Water level recorder.

DATUM.--Elevation is 5,063.2 ft above National Geodetic Vertical Datum of 1929 from levels. Measuring Point: Top of casing on north side, 1.2 ft above land surface datum.

PERIOD OF RECORD.--August 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface, 147.53 ft, August 27, 2004; minimum water-level depth below land surface measured, 123.80 ft, June 13, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 145.53 ft, August 27; minimum water-level depth below land surface, 143.87 ft, September 8.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	144.49	144.46	144.56	144.44	144.18	144.56	144.90	144.95
2	---	---	---	---	144.36	144.68	144.53	144.37	144.21	144.55	144.92	144.84
3	---	---	---	---	144.51	144.64	144.54	144.31	144.28	144.52	144.91	144.95
4	---	---	---	---	144.67	144.59	144.54	144.26	144.28	144.58	144.87	144.99
5	---	---	---	---	144.68	144.70	144.51	144.29	144.20	144.63	144.91	144.95
6	---	---	---	---	144.51	144.76	144.55	144.37	144.14	144.62	144.95	144.92
7	---	---	---	144.34	144.53	144.72	144.56	144.37	144.11	144.55	144.95	144.87
8	---	---	---	144.48	144.54	144.59	144.50	144.36	144.31	144.59	144.94	144.63
9	---	---	---	144.42	144.56	144.52	144.57	144.28	144.43	144.63	144.94	144.54
10	---	---	---	144.39	144.54	144.61	144.52	144.25	144.43	144.69	144.94	144.64
11	---	---	---	144.36	144.49	144.52	144.47	144.33	144.34	144.68	144.92	144.68
12	---	---	---	144.45	144.52	144.54	144.46	144.36	144.36	144.65	144.94	144.62
13	---	---	---	144.47	144.46	144.64	144.42	144.35	144.38	144.68	144.96	144.68
14	---	---	---	144.32	144.51	144.68	144.45	144.30	144.34	144.73	144.94	144.80
15	---	---	---	144.31	144.52	144.66	144.44	144.24	144.30	144.73	144.99	144.76
16	---	---	---	144.40	144.53	144.60	144.45	144.24	144.33	144.70	144.99	144.77
17	---	---	---	144.42	144.57	144.54	144.46	144.26	144.37	144.72	144.99	144.75
18	---	---	---	144.44	144.53	144.54	144.56	144.35	144.38	144.76	144.95	144.74
19	---	---	---	144.38	144.59	144.65	144.48	144.28	144.41	144.75	144.97	144.82
20	---	---	---	144.45	144.47	144.69	144.42	144.27	144.37	144.77	145.00	145.04
21	---	---	---	144.56	144.45	144.58	144.39	144.28	144.34	144.76	144.96	144.98
22	---	---	---	144.46	144.48	144.48	144.56	144.23	144.34	144.76	144.93	144.83
23	---	---	---	144.26	144.62	144.56	144.45	144.22	144.44	144.78	144.98	144.81
24	---	---	---	144.28	144.67	144.61	144.42	144.27	144.45	144.85	145.03	144.83
25	---	---	---	144.56	144.46	144.54	144.47	144.28	144.44	144.88	145.01	144.80
26	---	---	---	144.52	144.59	144.66	144.45	144.28	144.40	144.81	145.05	144.78
27	---	---	---	144.49	144.71	144.68	144.33	144.26	144.41	144.82	145.06	144.79
28	---	---	---	144.56	144.70	144.63	144.22	144.22	144.47	144.85	144.97	144.76
29	---	---	---	144.51	144.59	144.47	144.42	144.30	144.47	144.86	144.95	144.77
30	---	---	---	144.37	---	144.44	144.49	144.29	144.52	144.85	144.97	144.80
31	---	---	---	144.48	---	144.52	---	144.22	---	144.87	144.99	---
MAX	---	---	---	---	144.71	144.76	144.57	144.44	144.52	144.88	145.06	145.04
MIN	---	---	---	---	144.36	144.44	144.22	144.22	144.11	144.52	144.87	144.54

GROUND-WATER LEVELS, CONTINUOUS OBSERVATION WELLS

EAGLE VALLEY

391110119460602. Local Number, 104 N15 E20 08BBBB3

LOCATION.--Lat 39°11'10.3", long 119°46'06" referenced to North American Datum of 1927, in NW ¼ NW ¼ NW ¼ sec. 08, T.15 N., R.20 E., Carson City, Hydrologic Unit 16050201.

WELL CHARACTERISTICS.--Diameter 2 in, depth 20 ft, cased with 2 in pvc pipe to 20 ft, perforated 10 to 20 ft.

INSTRUMENTATION.--Water level recorder.

DATUM.--Elevation of land-surface datum is 4,724 ft above National Geodetic Vertical Datum of 1929. Measuring Point. Top of casing on west side, 0.5 ft below land-surface datum.

PERIOD OF RECORD.--February 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface, 6.61 ft, September 29, 30; minimum water-level depth below land surface measured, 5.10 ft, April 10, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 6.61 ft, September 30; minimum water-level depth below land surface, 5.10 ft, April 10.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	5.78	5.48	5.28	5.32	5.49	5.73	6.14	---
2	---	---	---	---	5.77	5.45	5.28	5.32	5.50	5.74	6.15	---
3	---	---	---	---	5.75	5.42	5.28	5.32	5.51	5.74	6.17	---
4	---	---	---	---	5.77	5.41	5.28	5.32	5.52	5.75	6.19	---
5	---	---	---	---	5.78	5.41	5.27	5.32	5.53	5.76	6.20	---
6	---	---	---	5.84	5.78	5.42	5.27	5.33	5.53	5.76	6.22	---
7	---	---	---	5.83	5.78	5.41	5.27	5.35	5.54	5.76	6.24	6.45
8	---	---	---	5.83	5.76	5.40	5.23	5.36	5.55	5.78	6.25	6.45
9	---	---	---	5.82	5.77	5.38	5.16	5.36	5.59	5.79	6.26	6.46
10	---	---	---	5.82	5.77	5.38	5.11	5.37	5.61	5.81	6.27	6.47
11	---	---	---	5.81	5.76	5.37	5.13	5.37	5.62	5.82	6.29	6.48
12	---	---	---	5.81	5.77	5.37	5.15	5.38	5.63	5.83	6.29	6.48
13	---	---	---	5.81	5.77	5.38	5.16	5.39	5.64	5.84	6.30	6.48
14	---	---	---	5.79	5.77	5.39	5.18	5.40	5.65	5.86	6.32	6.50
15	---	---	---	5.79	5.78	5.40	5.19	5.40	5.65	5.88	6.34	6.50
16	---	---	---	5.79	5.78	5.40	5.20	5.41	5.66	5.89	6.37	6.50
17	---	---	---	5.80	5.76	5.39	5.21	5.42	5.67	5.91	6.36	6.50
18	---	---	---	5.81	5.74	5.40	5.24	5.43	5.65	5.92	6.39	6.50
19	---	---	---	5.82	5.70	5.40	5.24	5.44	5.62	5.94	6.39	6.51
20	---	---	---	5.81	5.70	5.41	5.25	5.45	5.58	5.96	6.39	6.52
21	---	---	---	5.75	5.69	5.39	5.25	5.46	5.55	5.97	---	6.53
22	---	---	---	5.73	5.69	5.34	5.28	5.46	5.56	6.00	---	6.54
23	---	---	---	5.72	5.70	5.34	5.28	5.46	5.61	6.01	---	6.55
24	---	---	---	5.71	5.71	5.34	5.28	5.47	5.64	6.03	6.37	6.57
25	---	---	---	5.73	5.68	5.33	5.29	5.49	5.67	6.05	6.36	6.57
26	---	---	---	5.77	5.62	5.32	5.29	5.50	5.68	6.07	---	6.58
27	---	---	---	5.77	5.57	5.32	5.28	5.51	5.68	6.07	---	6.59
28	---	---	---	5.78	5.55	5.32	5.26	5.49	5.68	6.09	---	6.60
29	---	---	---	5.78	5.54	5.30	5.28	5.49	5.69	6.11	---	6.60
30	---	---	---	5.77	---	5.28	5.31	5.49	5.70	6.11	---	6.61
31	---	---	---	5.78	---	5.28	---	5.49	---	6.12	---	---
MAX	---	---	---	---	5.78	5.48	5.31	5.51	5.70	6.12	---	---
MIN	---	---	---	---	5.54	5.28	5.11	5.32	5.09	5.73	---	---

GROUND-WATER LEVELS, OBSERVATION WELLS

EAGLE VALLEY

391127119442501. Local Number, 104 N15 E20 04DBCD1

LOCATION.--Lat 39°11'27.0", long 119°44'24.8" referenced to North American Datum of 1927, in SW ¼ NW ¼ SE ¼ sec. 04, T.15 N., R.20 E., Carson City, Hydrologic Unit 16050201.

WELL CHARACTERISTICS.--Diameter 2 in, depth 32 ft, cased with 2 in pvc pipe to 32 ft, perforated 22 to 32 ft.

INSTRUMENTATION.--Water level recorder.

DATUM.--Elevation is 4,688 ft above National Geodetic Vertical Datum of 1929 from topographic map. Measuring Point: Top of casing on west side, 0.5 ft below land surface datum.

PERIOD OF RECORD.--May 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface, 13.76 ft, July 24, 25, 2004; minimum water-level depth below land surface measured, 13.0 ft, May 15, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 13.76 ft, July 24, 25; minimum water-level depth below land surface, 13.28 ft, March 22, 30.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	13.55	13.34	13.34	13.51	13.53	13.62	13.70	13.55
2	---	---	---	---	13.52	13.37	13.34	13.50	13.54	13.62	13.71	13.53
3	---	---	---	---	13.55	13.36	13.34	13.49	13.56	13.61	13.71	13.57
4	---	---	---	---	13.61	13.33	13.35	13.47	13.56	13.63	13.70	13.60
5	---	---	---	---	13.64	13.35	13.35	13.47	13.55	13.65	13.71	13.61
6	---	---	---	13.00	13.60	13.38	13.37	13.50	13.52	13.65	13.73	13.62
7	---	---	---	13.51	13.60	13.38	13.38	13.51	13.49	13.63	13.73	13.60
8	---	---	---	13.55	13.60	13.35	13.37	13.52	13.51	13.63	13.73	13.11
9	---	---	---	13.54	13.61	13.32	13.40	13.50	13.05	13.65	13.73	13.61
10	---	---	---	13.54	13.60	13.34	13.40	13.49	13.56	13.67	13.72	13.64
11	---	---	---	13.53	13.58	13.32	13.39	13.52	13.55	13.68	13.72	13.65
12	---	---	---	13.57	13.58	13.32	13.38	13.53	13.56	13.67	13.72	13.63
13	---	---	---	13.59	13.56	13.34	13.37	13.55	13.57	13.68	13.72	13.64
14	---	---	---	13.55	13.56	13.36	13.37	13.54	13.57	13.70	13.71	13.66
15	---	---	---	13.54	13.56	13.37	13.37	13.52	13.56	13.71	13.72	13.65
16	---	---	---	13.56	13.57	13.36	13.37	13.52	13.56	13.70	13.67	13.65
17	---	---	---	13.58	13.58	13.34	13.39	13.52	13.58	13.70	13.63	13.63
18	---	---	---	13.59	13.57	13.31	13.43	13.56	13.58	13.72	13.57	13.62
19	---	---	---	13.58	13.58	13.34	13.42	13.54	13.59	13.72	13.55	13.64
20	---	---	---	13.61	13.54	13.36	13.42	13.54	13.58	13.72	13.54	13.71
21	---	---	---	13.65	13.52	13.35	13.41	13.54	13.57	13.72	13.51	13.70
22	---	---	---	13.62	13.51	13.31	13.46	13.53	13.55	13.72	13.50	13.66
23	---	---	---	13.53	13.53	13.32	13.45	13.52	13.57	13.72	13.50	13.64
24	---	---	---	13.49	13.54	13.33	13.45	13.53	13.57	13.74	13.50	13.65
25	---	---	---	13.55	13.47	13.32	13.47	13.54	13.57	13.74	13.50	13.63
26	---	---	---	13.56	13.48	13.35	13.48	13.55	13.56	13.72	13.52	13.63
27	---	---	---	13.55	13.47	13.37	13.45	13.55	13.56	13.71	13.54	13.63
28	---	---	---	13.58	13.44	13.37	13.41	13.52	13.58	13.72	13.53	13.61
29	---	---	---	13.57	13.39	13.32	13.46	13.54	13.59	13.71	13.53	13.60
30	---	---	---	13.53	---	13.30	13.50	13.55	13.60	13.70	13.54	13.62
31	---	---	---	13.55	---	13.32	---	13.54	---	13.70	13.55	---
MAX	---	---	---	---	13.64	13.38	13.50	13.56	13.60	13.74	13.73	13.71
MIN	---	---	---	---	13.39	13.30	13.34	13.47	13.05	13.61	13.50	13.11

GROUND-WATER LEVELS, CONTINUOUS OBSERVATION WELLS

GARDEN VALLEY

380758115204601. Local Number, 172 N03 E59 10BD 1.

LOCATION.--Lat 38°08'15", long 115°20'20" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec. 10, T.03 N., R.59 E., Nye County, Hydrologic Unit 16060014.

AQUIFER.--Alluvium of Quaternary age and Paleozoic Carbonate Rock.

WELL CHARACTERISTICS.--Diameter 13.8 in, depth 1,837 ft, cased to 118 ft, open hole from 118 to 1837 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 5,560 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top lip of the casing at land-surface.

REMARKS.--Water-level affected by pumping of nearby well. Loss of record from January 3 to March 12 caused by faulty transducer.

PERIOD OF RECORD.--December 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface recorded, 804.57 ft, March 13, 1992; minimum water-level depth below land surface recorded, 797.03 ft, February 9, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 799.93 ft, December 17, 18; minimum water-level depth below land surface, 797.04 ft, December 25.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	797.64	797.53	797.55	797.41	---	---	797.41	797.67	797.48	797.59	797.62	797.62
2	797.49	797.46	797.63	797.35	---	---	797.47	797.63	797.53	797.58	797.59	797.42
3	797.56	797.48	797.53	---	---	---	797.58	797.55	797.59	797.53	797.59	797.49
4	797.60	797.56	798.54	---	---	---	798.37	797.48	797.60	797.55	797.57	797.63
5	797.62	797.59	797.55	---	---	---	797.55	797.48	797.52	797.61	797.59	797.69
6	797.59	797.63	797.42	---	---	---	797.52	797.56	797.42	797.61	797.62	797.67
7	797.52	797.59	797.34	---	---	---	797.55	797.57	797.35	797.51	797.64	797.62
8	797.57	797.61	797.53	---	---	---	797.51	797.53	797.39	797.50	797.66	797.61
9	797.50	797.55	797.56	---	---	---	798.61	797.46	797.47	797.55	797.65	797.61
10	797.53	797.59	797.39	---	---	---	797.62	797.30	797.60	797.59	797.62	797.65
11	797.67	797.65	797.39	---	---	---	797.61	797.43	797.57	797.60	797.60	797.66
12	797.63	797.54	797.54	---	---	---	797.56	797.53	797.57	797.58	797.62	797.54
13	797.70	797.53	797.55	---	---	798.80	797.50	797.61	797.60	797.60	797.63	797.48
14	797.58	797.56	797.37	---	---	797.72	797.63	797.54	797.55	797.63	797.62	797.57
15	797.57	797.50	797.67	---	---	798.48	798.59	797.48	797.53	797.64	797.65	797.60
16	797.70	797.48	797.73	---	---	797.67	797.51	797.44	797.55	797.60	797.65	797.59
17	797.71	797.58	798.73	---	---	798.41	797.41	797.46	797.61	797.61	797.63	797.55
18	797.66	797.77	798.63	---	---	797.60	798.62	797.50	797.60	797.62	797.59	797.44
19	797.65	797.90	797.57	---	---	798.47	797.61	797.51	797.59	797.60	797.60	797.40
20	797.70	798.36	797.42	---	---	798.56	797.54	797.49	797.54	797.59	797.63	797.68
21	797.68	798.61	797.50	---	---	798.55	797.42	797.49	797.54	797.58	797.59	797.79
22	797.61	797.62	797.63	---	---	797.53	797.54	797.47	797.57	797.55	797.50	797.73
23	797.57	797.72	797.43	---	---	798.43	797.62	797.43	797.61	797.57	797.49	797.70
24	797.64	797.46	797.35	---	---	797.56	797.59	797.51	797.61	797.63	797.56	797.68
25	797.73	797.36	797.20	---	---	798.16	797.67	797.53	797.59	797.64	797.58	797.65
26	797.73	797.55	797.37	---	---	797.55	797.70	797.53	797.55	797.58	797.56	797.63
27	797.60	797.84	797.63	---	---	798.60	797.54	797.53	797.55	797.56	797.70	797.63
28	797.43	797.68	797.60	---	---	797.79	797.28	797.44	797.57	797.58	797.66	797.60
29	797.18	797.52	797.36	---	---	798.77	797.46	797.55	797.56	797.55	797.62	797.52
30	797.25	797.54	797.41	---	---	797.55	797.63	797.61	797.58	797.56	797.64	797.55
31	797.42	---	797.40	---	---	798.26	---	797.55	---	797.58	797.67	---
MAX	797.73	798.61	798.73	---	---	---	798.62	797.67	797.61	797.64	797.70	797.79
MIN	797.18	797.36	797.20	---	---	---	797.28	797.30	797.35	797.50	797.49	797.40

393310114475001. Local number, 179 N20 E64 32C 2.

LOCATION.--Lat 39°33'10", long 114°47'50" referenced to North American Datum of 1927, in SW ¼ sec. 32, T.20 N., R.64 E., White Pine County, Hydrologic Unit 16060008, approximately 11 mi north of McGill in Steptoe Valley.

WELL CHARACTERISTICS.--Diameter 10 in, depth 122 ft, cased to 122 ft, perforated 20 to 120 ft.

AQUIFER.--Alluvium of Quaternary age.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 6,037 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing, 1.0 ft above land-surface datum or arrow on gage floor, 3.86 ft above land-surface datum.

PERIOD OF RECORD.--1918, 1936, 1949 (unpublished and available in the files of the U.S. Geological Survey); 1950 current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface measured 16.30 ft, January 2,1936; minimum water-level depth below land surface recorded, 6.03 ft below land-surface datum, May 2,1988.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 10.46 ft, September 18, 19; minimum water-level depth below land surface, 8.51 ft, April 28.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.08	9.72	9.40	9.16	8.97	8.80	8.60	8.54	8.93	9.57	10.12	10.41
2	10.07	9.71	9.40	9.16	8.96	8.79	8.60	8.54	8.95	9.59	10.14	10.41
3	10.06	9.70	9.38	9.15	8.96	8.79	8.60	8.54	8.97	9.61	10.15	10.42
4	10.05	9.69	9.38	9.15	8.96	8.77	8.59	8.55	9.01	9.63	10.16	10.41
5	10.04	9.68	9.37	9.14	8.96	8.77	8.59	8.56	9.03	9.66	10.18	10.41
6	10.02	9.67	9.36	9.13	8.95	8.77	8.59	8.59	9.06	9.68	10.19	10.42
7	10.00	9.66	9.35	9.13	8.94	8.77	8.58	8.60	9.08	9.70	10.21	10.42
8	9.99	9.65	9.34	9.12	8.93	8.76	8.58	8.62	9.11	9.72	10.22	10.42
9	9.97	9.64	9.34	9.12	8.93	8.74	8.58	8.63	9.14	9.74	10.24	10.43
10	9.97	9.62	9.33	9.11	8.92	8.73	8.57	8.64	9.17	9.77	10.25	10.43
11	9.96	9.61	9.32	9.10	8.92	8.73	8.57	8.66	9.19	9.80	10.27	10.43
12	9.94	9.59	9.32	9.10	8.91	8.72	8.56	8.67	9.21	9.82	10.28	10.44
13	9.93	9.58	9.31	9.09	8.90	8.71	8.55	8.68	9.23	9.84	10.30	10.44
14	9.92	9.57	9.30	9.08	8.90	8.70	8.55	8.69	9.25	9.87	10.31	10.45
15	9.90	9.56	9.30	9.07	8.89	8.70	8.55	8.70	9.27	9.89	10.32	10.45
16	9.89	9.55	9.29	9.07	8.89	8.69	8.55	8.71	9.30	9.91	10.33	10.45
17	9.88	9.54	9.28	9.07	8.88	8.68	8.54	8.73	9.32	9.93	10.33	10.45
18	9.87	9.53	9.27	9.06	8.88	8.67	8.55	8.75	9.33	9.93	10.34	10.45
19	9.86	9.52	9.26	9.06	8.87	8.67	8.55	8.77	9.34	9.94	10.33	10.45
20	9.86	9.50	9.26	9.05	8.87	8.67	8.54	8.80	9.35	9.96	10.34	10.44
21	9.85	9.49	9.25	9.05	8.86	8.66	8.54	8.81	9.37	9.97	10.34	10.42
22	9.84	9.49	9.25	9.05	8.85	8.65	8.54	8.82	9.40	9.98	10.35	10.39
23	9.82	9.48	9.24	9.04	8.85	8.64	8.54	8.84	9.42	9.99	10.36	10.38
24	9.80	9.47	9.23	9.02	8.85	8.64	8.53	8.85	9.44	10.01	10.37	10.37
25	9.80	9.46	9.22	9.01	8.84	8.63	8.54	8.86	9.46	10.01	10.37	10.36
26	9.78	9.46	9.20	9.01	8.82	8.63	8.54	8.87	9.47	10.03	10.38	10.35
27	9.77	9.45	9.20	9.00	8.81	8.63	8.53	8.88	9.49	10.05	10.38	10.34
28	9.76	9.44	9.19	9.00	8.81	8.63	8.52	8.89	9.51	10.06	10.39	10.33
29	9.74	9.43	9.18	8.99	8.81	8.62	8.53	8.90	9.53	10.07	10.39	10.33
30	9.74	9.42	9.18	8.98	---	8.60	8.54	8.91	9.54	10.09	10.40	10.31
31	9.73	---	9.17	8.97	---	8.60	---	8.92	---	10.10	10.40	---
MAX	10.08	9.72	9.40	9.16	8.97	8.80	8.60	8.92	9.54	10.10	10.40	10.45
MIN	9.73	9.42	9.17	8.97	8.81	8.60	8.52	8.54	8.93	9.57	10.12	10.31

County code--001, Churchill; 003, Clark; 007, Elko; 009, Esmeralda; 011, Eureka; 013, Humboldt; 015, Lander; 017, Lincoln; 019, Lyon; 023, Nye; 027, Pershing; 031, Washoe; 033, White Pine; Independent City code: 510, Carson City.

Depths, perforated interval, and elevation--Depths are referenced to land-surface datum (LSD). Elevation is that of LSD, with reference to sea level.

Water Level--Levels above LSD are listed as negative values.

Water Level Status--A, water-level was affected by atmospheric pressure; D, site was dry (no water level was recorded); F, site was flowing. Water level or head could not be measured without additional equipment; O, obstruction was encountered in the well (no water level was recorded); P, site was being pumped; R, site had been pumped recently; S, site that taps the same aquifer was being pumped; T, nearby site that taps the same aquifer had been pumped recently; V, foreign substance was present on the surface of the water; X, water level was affected by stage in nearby surface-water site; Z, other.

Water Level Method--A, airline; R, reported; S, steel tape; T, electric tape; V, calibrated electric tape; Z, other.

Reporting Agency--NV003, Nevada Division of Water Resources; USGS, U.S. Geological Survey.

Local Well No	Site Identification	First Available Water Level	County Code	Well Depth	Perforated Interval (feet) Top	Perforated Interval (feet) Bottom	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	Feet	Status	Method	Reporting Agency
001 N47 E30 15SDSD1	415800118370001	03/20/1968	013	200.			4380.	03/18/2004	55.27		S	USGS
002 N45 E28 10CAB 1	415000118440001	03/20/1968	013	48.			4228.	03/18/2004	6.70		S	USGS
025N005E17J001S	361818116271801	12/18/2003	027	400.	340.	380.	2161.60	12/18/2003	110.94		S	USGS
								02/23/2004	110.99		S	USGS
								05/17/2004	110.93		S	USGS
								09/28/2004	110.93		S	USGS
025N005E17J002S	361818116271802	12/18/2003	027	190.	130.	170.	2161.76	12/18/2003	109.80		S	USGS
								02/23/2004	109.81		S	USGS
								05/17/2004	109.80		S	USGS
								09/28/2004	109.81		S	USGS
025N001E24E002S	362718116494101	03/17/2004	027	970.	950.	970.	508.32	03/17/2004	89.17		S	USGS
								05/26/2004	89.00		S	USGS
								09/14/2004	88.74		S	USGS
027N001E24E003S	362718116494102	03/17/2004	027	540.	480.	540.	508.32	03/17/2004	82.73		S	USGS
								05/26/2004	82.81		S	USGS
								09/14/2004	82.93		S	USGS
027N001E24E004S	362718116494103	03/17/2004	027	200.	180.	200.	508.32	03/17/2004	87.22		S	USGS
								05/26/2004	87.29		S	USGS
								09/14/2004	87.36		S	USGS
030B N42 E34 04BABC1	413253118101401	09/19/1963	013	22.			4114.	03/22/2004	8.52		S	NV003
030B N43 E34 28DBBB1	413412118100201	09/19/1963	013				4125.	03/22/2004	15.13		S	NV003
031 N34 E32 16ABDC1	404901118223601	11/11/1990	027	152.	147.	152.	4210.	11/05/2003	119.67		S	USGS
								12/16/2003	119.71		S	USGS
								01/27/2004	119.76		S	USGS
								03/17/2004	119.72		S	USGS
								04/21/2004	119.75		S	USGS
								06/08/2004	119.69		S	USGS
								07/06/2004	119.71		S	USGS
								08/18/2004	119.74		S	USGS
033A N42 E37 04BDCA1	413300117494001	04/30/1973	013	360.			4235.	03/18/2004	111.32		S	USGS
033A N42 E37 32AAAC1	412854117495001	04/29/1971	013	250.	150.	250.	4200.	03/18/2004	69.42		S	USGS
045 N33 E58 19ADDD1	404350115281001	08/18/1934	007	16.			5950.	04/01/2004	11.36		S	USGS
045 N34 E56 23DAAB	404809115373101	04/09/2004	007	119.0			5410.	04/09/2004	75.92		S	USGS
046 N31 E56 16ADDA1	403400115400001	10/21/1964	007	193.			5650.	04/02/2004	94.28		S	USGS
048 N32 E56 11BBBC1	403958115374801	10/14/1960	007	230.	164.	230.	5539.	04/12/2004	154.85		A	USGS
048 N33 E56 08CAAD1	404521115395801	08/01/1944	007	12.			5290.	04/02/2004	7.91		S	USGS
048 N33 E56 21CCDD1	404328115403401	10/21/1964	007	177.	113.	177.	5380.	04/12/2004	74.06		S	USGS
048 N33 E56 35BABD1	404153115373801	10/27/1960	007	78.	43.	78.	5430.	04/14/2004	30.39		S	USGS
054 N29 E48 03BCDD1	402450116324001	04/12/1973	011	53.			4735.	03/31/2004		F		USGS
054 N29 E48 29CCCD1	402100116352001	03/17/1958	011	300.			4797.	03/31/2004	49.09		S	USGS
056 N24 E43 35CC 1	395335117062401	07/06/1961	015	202.			6000.	03/25/2004	3.88		S	USGS
059 N31 E44 01DBDD1	403520117181101	05/28/1964	015	52.			4560.	03/31/2004		D		USGS
059 N31 E45 05ABBD1	403539116553201	08/05/1964	015	6.			4545.	03/31/2004		D		USGS
061 N32 E45 11DACA1	403920116520001	06/21/1949	015	197.			4518.	03/24/2004	10.42		S	USGS
069 N38 E39 28CDDD1	410806117353501	02/26/1968	013	256.			4317.	03/18/2004	35.74		S	USGS
069 N41 E40 30AABB1	412421117303301	03/25/1970	013	27.			4414.	03/18/2004	1.33		S	USGS

Local Well No	Site Identification	First Available Water Level	County Code	Well Depth	Perforated Interval (feet) Top	Perforated Interval (feet) Bottom	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	Feet	Status	Method	Reporting Agency
069 N42 E39 25CAC 1	412910117321001	08/17/1945	013	17.			4523.	11/06/2003	8.66		S	USGS
								12/19/2003	8.87		S	USGS
								01/28/2004	9.00		S	USGS
								03/18/2004	8.04		S	USGS
								04/22/2004	7.73		S	USGS
								04/23/2004	7.72		S	USGS
								04/26/2004	7.72		S	USGS
								05/04/2004	7.71		S	USGS
								06/09/2004	3.60		S	USGS
								07/07/2004	5.79		S	USGS
								08/19/2004	7.91		S	USGS
070 N36 E40 29BCBC1	405810117302801	12/15/1949	013	101.			4364.	03/25/2004		D		USGS
070 N36 E40 29CDAB1	405747117295101	04/12/1995	013	306.			4375.	03/25/2004	6.13		S	USGS
071 N33 E38 32BABB1	404138117441501	09/22/1939	027	55.			4431.	03/19/2004	41.86		S	USGS
072 N32 E33 28DDDD1	403620118153001	03/02/1950	027	236.	98.	234.	4210.	03/25/2004	38.97		S	USGS
081 N24 E22 31CCCC2	395357119333401	07/10/1970	031	226.			3986.	03/16/2004	19.01		S	USGS
081 N27 E21 09BDAC1	401352119380201	07/28/1967	031	47.	45.	47.	3845.	04/13/2004	15.13		S	USGS
081 N27 E21 16ABCD1	401245119374401	07/28/1967	031	44.	42.	44.	3838.	04/13/2004	20.03		S	USGS
081 N28 E21 33CCDC1	401443119381201	07/28/1967	031	60.	58.	60.	3865.	04/13/2004	25.51		S	USGS
083 N19 E20 14AAAC1	393108119415101	06/09/2001	031	161.	151.	161.	4387.6	12/15/2003	4.2	S	T	USGS
								06/10/2004	3.9		T	USGS
								09/14/2004	4.0		T	USGS
083 N19 E20 14AAAC2	393108119415102	06/09/2001	031	26.	16.	26.	4387.6	12/15/2003	16.93		S	USGS
								06/10/2004	15.9		T	USGS
								09/14/2004	17.0		T	USGS
085 N20 E20 03BCCC1	393744119435101	02/22/1964	031	379.			4595.	03/23/2004	71.16		S	USGS
085 N20 E20 10CDAB1	393637119432901	10/25/1977	031	105.	59.	99.	4492.	03/23/2004	36.23		S	USGS
085 N20 E20 11BDDA1	393655119421901	11/23/1951	031	160.	80.	160.	4462.	03/23/2004	5.13		S	USGS
085 N21 E20 35CBAC1	393831119424701	08/02/2004	031	48.	38.	48.	4494.	08/02/2004	35.3		T	USGS
085 N21 E20 35CBAC1	393829119424501	08/02/2004	031	45.	35.	45.	4494.	08/02/2004	35.7		T	USGS
085 N21 E20 35CCDA1	393813119424001	08/02/2004	031	45.	40.	45.	4489.	08/02/2004	37.3		T	USGS
085 N21 E20 35CDCC1	393812119423801	08/02/2004	031	45.	40.	45.	4488.	08/02/2004	36.4		T	USGS
085 N21 E20 35DCBA1	393822119421501	08/02/2004	031	65.	55.	65.	4494.	08/02/2004	51.5		T	USGS
085 N21 E20 36BAAA1	393901119411601	08/26/2004	031	60.	50.	60.	4529.94	08/26/2004	46.6		T	USGS
087 N18 E20 06BAAA3	392744119464601	06/20/1994	031	28.	23.	28.	4460.	05/25/2004	9.1		T	USGS
087 N18 E20 18ACAD1	392541119463101	02/24/2002	031	102.	92.	102.	4642.	05/25/2004	99.8		T	USGS
087 N18 E20 19AABA1	392507119462001	01/22/2002	031	139.	129.	139.	4670.	12/16/2003	136.8		T	USGS
								01/07/2004	136.6		T	USGS
								03/16/2004	137.2		T	USGS
								05/04/2004	138.2		T	USGS
								05/25/2004	138.7		T	USGS
								06/07/2004	138.95		T	USGS
								07/14/2004		D		USGS
087 N19 E19 16CCCA1	393023119513701	01/20/2002	031	49.	39.	49.	4618.	05/25/2004	38.2		T	USGS
087 N19 E19 25BAAA1	392927119475201	06/21/1994	031	57.	47.	57.	4460.	05/25/2004	34.9		T	USGS
087 N19 E19 26CDDD1	392837119485901	02/27/2002	031	159.	144.	154.	4635.	05/25/2004	98.5		T	USGS
087 N19 E20 02BACB1	393249119422901	06/24/1994	031	20.	10.	20.	4400.	05/25/2004	7.8		T	USGS
087 N19 E20 08DDBB1	393123119452301	05/04/1994	031	15.	10.	15.	4409.	05/25/2004	9.3		T	USGS
087 N19 E20 16BCAC1	393054119445501	04/15/1994	031	15.	10.	15.	4400.	05/25/2004	8.8		T	USGS
087 N19 E20 18CDBA1	393033119465401	05/20/1994	031	38.	33.	38.	4422.	05/25/2004	26.6		T	USGS
087 N19 E20 20DCAD1	392937119452601	05/04/1994	031	14.	10.	15.	4395.	05/25/2004	6.1		T	USGS
087 N19 E20 30BADD1	392918119464901	01/25/2002	031	21.	11.	21.	4409.	12/15/2003	5.32		S	USGS
								01/07/2004	5.2		T	USGS
								01/28/2004	4.9		T	USGS
								03/16/2004	4.8		T	USGS
								05/04/2004	5.4		T	USGS
								06/07/2004	5.4		T	USGS
								09/13/2004	6.4		T	USGS
089 N16 E19 14DCCD1	391439119485301	03/14/2001	031	83.	70.	90.	5030.	04/02/2004	9.47	X	S	USGS
089 N16 E19 15DADB1	391458119493801	09/12/1993	031	130.	100.	130.	5080.	04/02/2004	10.43	R	S	USGS
089 N16 E19 35ACD 1	391233119484501	05/25/1960	510	76.	52.	72.	5220.	10/15/2003	11.15		S	NV003
089 N16 E19 35ACD 2	391233119484502	05/06/1976	510	220.			5240.	10/15/2003	2.74		S	NV003

Local Well No	Site Identification	First Available Water Level	County Code	Well Depth	Perforated Interval (feet) Top	Perforated Interval (feet) Bottom	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	Feet	Status	Method	Reporting Agency
089 N26 E19 10BBDA1	391618119502301	03/20/2003	031				5064.	04/02/2004	10.18		S	USGS
090 N13 E18 32DCAA1	385636119583701	09/19/1996	017	97.			6258.2	10/21/2003	38.10		S	USGS
090 N13 E18 33ADB 1	385659119572901	10/21/2003	017	12.8	4.5	12.8	6236.5	10/21/2003			S	USGS
097 N26 E19 02DCA 1	400849119485301	03/22/1988	031	240.	224.	240.	4172.	03/16/2004	202.44		S	USGS
097 N27 E19 24ADDD1	401138119472301	03/18/1988	031	180.	168.	180.	4010.	03/16/2004	61.84		S	USGS
097 N28 E20 31BACD1	401528119470501	09/26/1988	031	330.	317.	330.	4178.	11/04/2003	251.21		S	USGS
								12/10/2003	251.18		S	USGS
								02/04/2004	251.25		S	USGS
								03/16/2004	251.24		S	USGS
								04/19/2004	251.24		S	USGS
								05/26/2004	251.24		S	USGS
								07/06/2004	251.26		S	USGS
102 N15 E24 21CDBC1	390841119181401	09/12/1941	019	195.			4730.	03/05/2004	124.26		S	USGS
102 N17 E24 01DADD1	392154119135301	09/21/2004	001	160.	140.	160.	4207.	09/21/2004	45.97	R	S	NV003
102 N18 E24 27DCDD1	392325119163101	09/22/2004	001				4309.66	09/22/2004	124.69		S	NV003
102 N18 E25 33CCBB1	390841119181401	09/12/1941	019	195.			4730.	03/05/2004	124.26		S	USGS
102 N18 E26 05DBBB1	392713119051801	09/20/2004	001	320.	290.	320.	4199.42	09/20/2004	131.30		S	NV003
103 N15 E2015BDBA1	391004119433301	01/06/1975	510	105.	85.	105.	4620.	10/15/2003	8.82		S	NV003
103 N17 E23 10ABCD1	392126119230901	09/22/1977	019	88.			4276.98	03/29/2004	61.65		S	USGS
103 N17 E23 10BABD1	392132119232501	05/12/1969	019	300.	234.	300.	4285.5	03/29/2004	70.85		S	USGS
103 N17 E23 11DBAB1	392112119215801	04/07/1981	019	180.			4288.	03/29/2004	69.57		S	USGS
103 N17 E23 18DDDD1	391954119260601	05/05/1962	019	822.	137.	265.	4285.9	03/29/2004		O		USGS
103 N17 E23 26CCCC1	391812119224001	05/08/1976	019	176.	156.	176.	4298.	03/29/2004	63.40		S	USGS
103 N17 E23 27ABAC1	391857119230701	11/04/1963	019	220.	180.	220.	4286.	03/29/2004	55.94		S	USGS
103 N18 E23 35CBDD1	392246119222901	09/19/1977	019	215.	191.	211.	4400.	03/30/2004	184.87	R	S	USGS
104 N15 E19 01CCCC1	391111119481901	08/06/1994	510	117.	102.	112.	5207.5	01/20/2004	96.0		T	USGS
								05/24/2004	96.5		T	USGS
104 N15 E19 12ACAB1	391055119473301	05/01/1984	510	273.	137.00	273.00	4927.	01/20/2004	232.8		T	USGS
104 N15 E19 12ADAA1	391057119471901	07/08/1972	510	500.	295.00	494.00	4860.	01/20/2004	163.0		T	USGS
104 N15 E19 12BBCB1	391105119481101	08/04/1994	510	163.	148.	158.	5181.5	01/20/2004	140.8		T	USGS
104 N15 E19 12CCAA1	391030119480701	08/19/1994	510	185.	170.	180.	5063.2	12/17/2003	144.3		T	USGS
								01/06/2004	144.4		T	USGS
								02/06/2004	144.6		T	USGS
								03/17/2004	144.6		T	USGS
								05/24/2004	144.4		T	USGS
								06/08/2004	144.3		T	USGS
								08/02/2004	145.0		T	USGS
								09/07/2004	145.0		T	USGS
104 N15 E19 13ADDD1	390955119471601	03/27/1996	510	127.	60.	120.	4800.	10/22/2003	27.82		S	NV003
104 N15 E19 13CADA1	390943119474801	08/08/1994	510	108.	93.	103.	4889.12	01/27/2004	73.8		T	USGS
								05/24/2004	77.2		T	USGS
104 N15 E19 13CADA2	390943119474802	08/08/1994	510	190.	175.	185.	4889.12	10/28/2003	74.3		T	USGS
								01/27/2004	75.4		T	USGS
								04/05/2004	76.4		T	USGS
104 N15 E19 13CADA2	390943119474802	08/08/1994	510	190.	175.	185.	4889.12	05/24/2004	78.5		T	USGS
								07/12/2004	79.1		T	USGS
104 N15 E20 02CACC2	391125119423002	07/22/1977	510	39.	37.	39.	4639.	10/15/2003		F		NV003
								05/24/2004	4.5		T	USGS
104 N15 E20 04DBCD1	391127119442501	05/15/2002	510	32.	22.	32.	4688.	12/18/2003	13.8		T	USGS
								01/06/2004	13.6		T	USGS
								02/06/2004	13.6		T	USGS
								03/17/2004	13.4		T	USGS
								05/24/2004	13.6		T	USGS
								06/09/2004	13.6		T	USGS
								08/02/2004	13.8		T	USGS
104 N15 E20 04DBCD1	391127119442501	05/15/2002	510	32.	22.	32.	4688.	09/08/2004	13.6		T	USGS
104 N15 E20 04DBDD1	391126119441901	01/06/1975	510	89.	68.	88.	4682.	10/15/2003	14.1		S	NV003
104 N15 E20 04DBDD2	391126119441902	07/25/1977	510	33.	30.	32.	4682.	10/15/2003	15.13		S	NV003
104 N15 E20 05BBCA1	391155119460401	01/06/1975	510	102.	82.	102.	4737.	10/15/2003	30.66		S	NV003
104 N15 E20 05BBCA2	391155119460402	09/26/1977	510	62.			4737.	10/15/2003	37.89		S	NV003
104 N15 E20 06BDBD1	391149119465201	10/08/1994	510	460.	100.	440.	4750.	10/15/2003	50.03		S	NV003
104 N15 E20 07BACD1	391100119465101	09/09/1997	031	250.	55.	245.	4785.	01/20/2004	85.1		T	USGS

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104 N15 E20 07BBAB1	391110119470501	01/06/1975	510	150.			4800.	10/15/2003	100.48	S	S	NV003
104 N15 E20 08BBBB2	391110119460601	02/01/2002	510	98.	88.	98.	4724.	11/18/2003	27.05		S	USGS
								11/18/2003	27.03		S	USGS
								05/24/2004	30.5		T	USGS
								08/02/2004	37.2		T	USGS
								09/15/2004	38.2		T	USGS
104 N15 E20 08BBBB3	391110119460602	02/02/2002	510	20.	10.	20.	4724.	11/18/2003	6.27		S	USGS
								11/18/2003	6.28		S	USGS
								12/18/2003	6.2		T	USGS
								01/06/2004	5.8		T	USGS
								01/13/2004	5.8		S	USGS
								01/20/2004	5.8		T	USGS
								02/06/2004	5.7		T	USGS
								03/18/2004	5.4		T	USGS
								05/24/2004	5.5		T	USGS
								06/09/2004	5.5		T	USGS
								08/02/2004	6.1		T	USGS
								09/07/2004	6.3		T	USGS
104 N15 E20 15BABB1	391016119433901	04/03/2002	510	39.	29.	39.	4640.	05/24/2004	22.2		T	USGS
104 N15 E20 16BDBB1	391004119444901	01/06/1975	510	105.	82.	102.	4641.	10/15/2003	16.28		S	NV003
104 N15 E20 17CBBA1	390954119460401	04/23/1961	510	102.	82.	102.	4680.	10/15/2003	8.15		S	NV003
104 N15 E20 18BDDA1	390958119464301	01/06/1975	510	102.	82.	102.	4739.	10/15/2003	1.98		S	NV003
104 N15 E20 19DDCB1	390839119462701	06/09/1996	510	149.	134.	144.	4758.1	05/24/2004	95.3		T	USGS
104 N15 E20 28BCCC1	390810119450101	04/11/2002	510	54.	44.	54.	4692.	05/24/2004	45.2		T	USGS
104 N15 E20 29AAAB1	390834119450701	04/02/2002	510	28.	18.	28.	4678.	05/24/2004	27.9		T	USGS
104 N15 E20 29CADD1	390758119453701	03/12/2002	510	47.	37.	47.	4721.	05/24/2004	41.8		T	USGS
104 N15 E20 29DAAB1	390807119450901	01/06/1975	510	105.	80.	100.	4698.	10/16/2003	58.14		S	NV003
104 N15 E20 32BDAA1	390728119453801	01/06/1975	510	105.	82.	102.	4720.	10/16/2003	47.25		S	NV003
104 N15 E20 32DADA1	390708119450301	02/22/2002	510	140.	130.	140.	4734.	12/17/2003	54.1		T	USGS
								01/06/2004	53.6		T	USGS
								01/21/2004	53.4		T	USGS
								02/06/2004	53.0		T	USGS
								03/15/2004	52.6		T	USGS
								05/24/2004	54.1		T	USGS
								06/08/2004	54.8		T	USGS
								08/02/2004	56.5		T	USGS
								09/07/2004	57.1		T	USGS
104 N16 E20 33ACCC3	391231119442903	05/30/1996	510	130.	115.	125.	4803.9	05/24/2004	106.9		T	USGS
104 N16 E20 33CCDD1	391205119444901	01/06/1975	510	118.	94.	118.	4732.	10/15/2003	42.20		S	NV003
118 N03 E36 02BCBB1	380854117565601	05/23/1968	009	129.			4580.	03/12/2004	41.88	V	S	USGS
125 N17 E34 36CCCA1	390234118070701	07/10/1962	001	288.			4388.	03/09/2004	256.68		S	USGS
127 N17 E35 36ADAA1	391749117585101	02/01/1950	001	502.			5250.	03/11/2004	110.18		S	USGS
128 N18 E34 28CCD 1	392323118095001	04/18/1976	001	475.	265.	405.	4100.	10/27/2003	211.18		S	USGS
								12/17/2003	211.29		S	USGS
								02/09/2004	211.24		S	USGS
								03/09/2004	211.24		S	USGS
								03/09/2004	211.24		S	USGS
								04/13/2004	210.97		S	USGS
								06/01/2004	211.00		S	USGS
								07/12/2004	211.09		S	USGS
								08/09/2004	211.18		S	USGS
								09/22/2004	211.10		S	USGS
129 N30 E35 27BBBB1	402640118015002	09/11/1963	027	208.			4245.	03/25/2004	33.33		S	USGS
133 N19 E37 28BCC 1	392903117495001	03/16/1974	001	183.			5360.	03/11/2004	151.42		S	USGS
149 N05 E48 10 1	381814116350101	06/16/2004	023	1659.			6202.	06/16/2004		D		USGS
153 N20 E53 10DDD 1	393613115585101	04/01/1964	011	200.	100.	200.	5956.	03/15/2004	168.10		S	NV003
153 N21HE52 35ADD 1	394342114385402	02/09/1987	011	160.			5883.	04/13/2004	91.24		S	USGS
153 N22 E54 27CABB1	394520115524001	08/11/1949	011	94.			5866.	04/13/2004	79.41		S	USGS
153 N23 E53 27BB 1	395100115593001	09/16/1964	011	22.	20.	22.	5820.	04/13/2004	14.88		S	USGS
153 N23 E53 29DC 1	395020116030001	09/16/1964	011	22.	20.	22.	5821.	04/13/2004	16.00		S	USGS
153 N23 E54 18DB 1	395220115561001	09/16/1964	011	32.	30.	32.	5800.	04/13/2004	17.53		S	USGS
154 N18 E55 31CABC1	392300115493001	12/21/1946	033	56.			5940.	03/30/2004		D		USGS

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155C N08 E53 33 2	383023116012201	08/15/2002	023	6445.	4420.	4433.	5797.	12/10/2003	488.9		V	USGS
								06/16/2004	489.2		V	USGS
156 N08 E51 01 1	383510116112900	07/02/2003	023	6514.	406.	4747.	5768.	12/10/2003	327.5		V	USGS
								06/16/2004	327.6		V	USGS
159 S10 E54 19 3	370321115594203	06/22/1962	023	2610.	0.	2620.	4172.	11/18/2003	1772.3		V	USGS
								03/02/2004	1772.9		V	USGS
162 S12 E54 10AAC 1	360836115531701	10/13/1944	003	482.	100.	450.	2885.	11/14/2003	70.0		T	NV003
								01/09/2004	68.7		T	NV003
								02/12/2004	68.8		T	NV003
								03/18/2004	68.9		T	NV003
								04/02/2004	68.7		T	NV003
								05/18/2004	70.3		T	NV003
								06/28/2004	70.7		T	NV003
								07/20/2004	71.5		T	NV003
176 N32 E60 29CCBA1	403639115133001	06/10/1949	007	202.			6000.	03/23/2004	5.34		S	USGS
176 N32 E60 29CDDA2	403730115134002	08/15/1960	007	15.			6000.	03/23/2004	7.38		S	USGS
178B N22 E60 26DABB1	394507115102501	06/26/1950	033	129.			6240.	04/01/2004	65.24		S	USGS
								04/12/2004	65.24		S	USGS
179 N15 E64 07ACCB1	391100114492001	04/01/1948	033	200.			6535.	04/01/2004	38.15		S	USGS
179 N16 E64 06CBDC1	391634114484901	06/10/1951	033	306.	270.	306.	6407.	04/13/2004	273.71		S	USGS
189B N43 E66 25D1	413444114261701	07/20/1950	007	28.			5250.	03/23/2004	12.16		S	USGS
207 N11 E61 35ACCD1	384640115045001	09/18/1953	033	44.			5417.	04/13/2004	-0.63	R	S	USGS
207 N12 E62 18DDAA1	385400115024001	12/18/1947	033	105.			5575.	04/12/2004		O		USGS
212 S20 E60 02CCBB1	361410115142601	11/20/1994	003	697.	677.	687.	2312.	10/03/2003	277.46		S	USGS
								11/04/2003	261.86		S	USGS
								12/08/2003	248.49		S	USGS
								01/15/2004	238.22		S	USGS
								07/26/2004	252.11		S	USGS
212 S20 E60 02CCBB2	361410115142602	11/20/1994	003	467.	447.	457.	2312.	10/03/2003	271.54		S	USGS
								11/04/2003	260.58		S	USGS
								12/08/2003	249.47		S	USGS
								01/15/2004	238.65		S	USGS
								07/26/2004	240.91		S	USGS
212 S20 E60 02CCBB3	361410115142603	11/20/1994	003	320.	300.	310.	2312.	10/03/2003	232.90		S	USGS
								11/04/2003	229.03		S	USGS
								12/08/2003	221.93		S	USGS
								01/15/2004	213.46		S	USGS
								07/26/2004	209.61		S	USGS
212 S20 E61 04CDDD1	361346115095501	06/16/1965	003	300.	115.	270.	2107.	10/01/2003	94.4		T	USGS
								10/06/2003	94.2		T	NV003
								10/13/2003	94.2		T	NV003
								10/20/2003	94.1		T	NV003
								10/27/2003	93.9		T	NV003
								11/03/2003	93.6		T	NV003
								11/12/2003	93.2		T	NV003
								11/17/2003	93.0		T	NV003
								11/26/2003	92.5		T	NV003
								12/02/2003	92.3		T	NV003
								12/08/2003	92.0		T	NV003
								12/15/2003	91.91		S	NV003
								12/29/2003	91.0		T	NV003
								01/06/2004	90.7		T	NV003
								01/12/2004	91.1		T	NV003
								01/20/2004	90.6		T	NV003
								01/26/2004	90.4		T	NV003
								02/03/2004	90.0		T	NV003
								02/09/2004	90.1		T	NV003
								02/17/2004	89.8		T	NV003
								02/23/2004	89.46		S	NV003
								03/01/2004	89.3		T	NV003
								03/08/2004	89.4		T	NV003
								03/15/2004	89.1		T	NV003

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212 S20 E61 04CDDD1	361346115095501	06/16/1965	003	300.	115.	270.	2107.	03/22/2004	88.7		T	NV003
								03/30/2004	88.8		T	NV003
								04/05/2004	88.8		T	NV003
								04/12/2004	88.8		T	NV003
								04/20/2004	88.8		T	NV003
								04/28/2004	88.6		T	NV003
								05/04/2004	88.7		T	NV003
								05/10/2004	88.6		T	NV003
								05/17/2004	88.7		T	NV003
								05/24/2004	88.8		T	NV003
								06/01/2004	88.9		T	NV003
								06/14/2004	89.1		T	NV003
								06/22/2004	89.1		T	NV003
								06/28/2004	89.2		T	NV003
								07/06/2004	89.5		T	NV003
								07/12/2004	89.4		T	NV003
								07/19/2004	89.4		T	NV003
								07/26/2004	89.5		T	NV003
								08/02/2004	89.5		T	NV003
								08/17/2004	89.5		T	NV003
								08/23/2004	89.1		T	NV003
								08/31/2004	88.7		T	NV003
								09/07/2004	88.3		T	NV003
								09/13/2004	88.0		T	NV003
								09/21/2004	87.9		T	NV003
								09/27/2004	87.7		T	NV003
212 S20 E61 20CC 2	361124115105801	04/23/1953	003	210.	70.	210.	2115.	10/01/2003	31.6		T	NV003
								10/06/2003	31.6		T	NV003
								10/13/2003	30.7		T	NV003
								10/20/2003	30.5		T	NV003
								10/27/2003	29.8		T	NV003
								11/03/2003	29.3		T	NV003
								11/12/2003	28.6		T	NV003
								11/17/2003	28.2		T	NV003
								11/26/2003	27.6		T	NV003
								12/02/2003	27.2		T	NV003
								12/08/2003	26.8		T	NV003
								12/15/2003	26.45		S	NV003
								12/29/2003	25.6		T	NV003
								01/06/2004	25.1		T	NV003
								01/12/2004	24.8		T	NV003
								01/20/2004	24.3		T	NV003
								01/26/2004	24.0		T	NV003
								02/03/2004	23.7		T	NV003
								02/09/2004	23.6		T	NV003
								02/17/2004	23.5		T	NV003
								02/23/2004	23.12		S	NV003
								03/01/2004	22.6		T	NV003
								03/08/2004	22.2		T	NV003
								03/15/2004	22.0		T	NV003
								03/22/2004	21.9		T	NV003
								03/30/2004	22.0		T	NV003
								04/05/2004	21.9		T	NV003
								04/12/2004	21.7		T	NV003
								04/20/2004	21.6		T	NV003
								04/28/2004	21.5		T	NV003
								05/04/2004	21.7		T	NV003
								05/10/2004	21.6		T	NV003
								05/17/2004	21.7		T	NV003
								05/24/2004	21.7		T	NV003
								06/01/2004	21.7		T	NV003
								06/14/2004	22.3		T	NV003

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212 S20 E61 20CC 2	361124115105801	04/23/1953	003	210.	70.	210.	2115.	06/22/2004	22.9		T	NV003
								06/28/2004	23.4		T	NV003
								07/06/2004	24.0		T	NV003
								07/12/2004	24.5		T	NV003
								07/19/2004	25.0		T	NV003
								07/26/2004	25.6		T	NV003
								08/02/2004	26.1		T	NV003
								08/10/2004	23.98		S	NV003
								08/17/2004	27.0		T	NV003
								08/23/2004	27.3		T	NV003
								08/31/2004	27.7		T	NV003
								09/07/2004	28.2		T	NV003
								09/13/2004	28.4		T	NV003
								09/21/2004	28.8		T	NV003
								09/27/2004	29.0		T	NV003
212 S20 E62 07DAAC1	361324115045201	08/04/1962	003	315.	50.	315.	1873.	10/01/2003	77.8		T	NV003
								10/06/2003	77.4		T	NV003
								10/13/2003	77.5		T	NV003
								10/20/2003	77.4		T	NV003
								10/27/2003	77.3		T	NV003
								11/03/2003	77.1		T	NV003
								11/12/2003	77.4		T	NV003
								11/17/2003	77.1		T	NV003
								11/26/2003	76.9		T	NV003
								12/02/2003	77.2		T	NV003
								12/08/2003	77.2		T	NV003
								12/15/2003	77.37		S	NV003
								12/29/2003	76.8		T	NV003
								01/06/2004	76.4		T	NV003
								01/12/2004	77.0		T	NV003
								01/20/2004	76.9		T	NV003
								01/26/2004	77.0		T	NV003
								02/03/2004	76.3		T	NV003
								02/09/2004	76.5		T	NV003
								02/17/2004	76.80		S	NV003
								02/23/2004	76.50		S	NV003
								03/01/2004	76.29		S	NV003
								03/08/2004	76.45		S	NV003
								03/15/2004	76.40		S	NV003
								03/22/2004	76.43		S	NV003
								03/30/2004	77.22		S	NV003
								04/05/2004	78.69		S	NV003
								04/12/2004	78.00		S	NV003
								04/20/2004	76.57		S	NV003
								04/28/2004	78.26		S	NV003
								05/04/2004	76.10		S	NV003
								05/10/2004	77.03		S	NV003
								05/17/2004	75.89		S	NV003
								05/24/2004	78.50		S	NV003
								06/01/2004	77.65		S	NV003
								06/14/2004	75.89		S	NV003
								06/22/2004	78.35		S	NV003
								06/28/2004	76.10		S	NV003
								07/06/2004	76.92		S	NV003
								07/12/2004	75.83		S	NV003
								07/19/2004	77.27		S	NV003
								07/26/2004	77.77		S	NV003
								08/02/2004	76.99		S	NV003
								08/10/2004	77.74		S	NV003
								08/17/2004	77.95		S	NV003
								08/23/2004	77.82		S	NV003
								08/31/2004	78.28		S	NV003

Local Well No	Site Identification	First Available Water Level	County Code	Well Depth	Perforated Interval (feet) Top	Perforated Interval (feet) Bottom	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	Feet	Status	Method	Reporting Agency
212 S20 E62 07DAAC1	361324115045201	08/04/1962	003	315.	50.	315.	1873.	09/07/2004	78.49		S	NV003
								09/13/2004	78.85		S	NV003
								09/21/2004	79.08		S	NV003
								09/27/2004	80.61		S	NV003
212 S20 E62 21CAB 1	361131115031601	06/12/1956	003	357	80.		1782.	10/01/2003	43.72		S	NV003
								10/06/2003	43.64		S	NV003
								10/13/2003	43.77		S	NV003
								10/20/2003	43.54		S	NV003
								10/27/2003	43.32		S	NV003
								11/03/2003	43.00		S	NV003
								11/12/2003	42.63		S	NV003
								11/17/2003	42.27		S	NV003
								11/26/2003	41.93		S	NV003
								12/02/2003	41.87		S	NV003
								12/08/2003	41.68		S	NV003
								12/15/2003	41.47		S	NV003
								12/29/2003	41.1		S	NV003
								01/06/2004	40.88		S	NV003
								01/12/2004	40.8		S	NV003
								01/20/2004	40.58		S	NV003
								01/26/2004	40.58		S	NV003
								02/03/2004	40.22		S	NV003
								02/09/2004	40.45		S	NV003
								02/17/2004	40.30		S	NV003
								02/23/2004	39.98		S	NV003
								03/01/2004	39.88		S	NV003
								03/08/2004	40.04		S	NV003
								03/15/2004	40.00		S	NV003
								03/22/2004	40.29		S	NV003
								03/30/2004	40.27		S	NV003
								04/05/2004	40.04		S	NV003
								04/12/2004	41.30		S	NV003
								04/20/2004	41.45		S	NV003
								04/28/2004	40.26		S	NV003
								05/04/2004	40.61		S	NV003
								05/10/2004	40.49		S	NV003
								05/17/2004	40.92		S	NV003
								05/24/2004	41.15		S	NV003
								06/01/2004	42.37		S	NV003
								06/14/2004	41.41		S	NV003
								06/22/2004	41.99		S	NV003
								06/28/2004	41.52		S	NV003
								07/06/2004	42.05		S	NV003
								07/12/2004	42.37		S	NV003
								07/19/2004	41.94		S	NV003
								07/26/2004	41.97		S	NV003
								08/02/2004	43.13		S	NV003
								08/10/2004	42.74		S	NV003
								08/17/2004	42.00		S	NV003
								08/23/2004	42.70		S	NV003
								08/31/2004	42.25		S	NV003
								09/07/2004	41.83		S	NV003
								09/13/2004	41.23		S	NV003
								09/21/2004	41.23		S	NV003
								09/27/2004	41.32		S	NV003
212 S22 E58 01ADDA1	360354115261601	09/03/2004	003	100.	90.	100.	3533.43	09/03/2004	39.		R	USGS
212 S22 E58 01CDAD1	360332115254501	09/05/2004	003	101.	81.	101.	3485.17	09/05/2004	49.		R	USGS
212 S22 E58 12AAAA1	360318115251001	09/04/2004	003	56.3	26.3	46.3	3431.74	09/04/2004	16.		R	USGS

Water-quality measurements in the following table were made as part of the Carson River Mercury Superfund Monitoring Study to determine loads into and out of Lahontan Reservoir. All mercury and methylmercury analyses were performed by USGS Mercury Research Laboratory in Middleton, Wisconsin using methods described in Olson and others (1997) and Olson and DeWild (1999). Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data."

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station Number	Station name	Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
10312020	CARSON RIVER NEAR SILVER SPRINGS, NV	10-23-03	1025	Environmental	3.8	660	9.0	99
		11-20-03	0920	**Blank**	--	--	--	--
		11-20-03	1030	Environmental	84	651	9.8	96
		12-29-03	0915	**Blank**	--	--	--	--
		12-29-03	1040	Environmental	152	645	11.7	99
		01-20-04	1030	**Blank**	--	--	--	--
		01-20-04	1115	Environmental	171	655	11.6	102
		02-23-04	0945	**Blank**	--	--	--	--
		02-23-04	1105	Environmental	231	647	9.8	96
		03-17-04	0950	**Blank**	--	--	--	--
		03-17-04	1110	Environmental	504	661	9.3	100
		03-24-04	1000	**Blank**	--	--	--	--
		03-24-04	1150	Environmental	793	651	8.8	98
		04-06-04	1120	Environmental	640	659	8.7	97
		04-21-04	1100	**Blank**	**--**	**--**	**--**	**--**
		04-21-04	1200	Environmental	302	650	9.3	99
		05-05-04	1130	Environmental	784	650	7.9	97
		06-16-04	0945	Environmental	203	655	7.0	89
		07-27-04	1045	Environmental	5.9	655	7.7	104
		08-24-04	1010	**Blank**	--	--	--	--
		08-24-04	1105	Environmental	3.3	655	9.4	121
		09-20-04	1045	Environmental	.92	655	9.5	104
10312150	CARSON RIVER BELOW LAHONTAN RESERVOIR NEAR FALLON, NV	10-22-03	0955	**Blank**	--	--	--	--
		10-22-03	1100	Environmental	446	662	7.1	83
		04-07-04	1000	**Blank**	--	--	--	--
		04-07-04	1145	Environmental	710	665	9.3	96
		05-04-04	1015	**Blank**	**--**	**--**	**--**	**--**
		05-04-04	1130	Environmental	856	655	9.0	99
		06-15-04	1005	**Blank**	--	--	--	--
		06-15-04	1115	Environmental	386	660	8.2	98
		07-26-04	1020	**Blank**	**--**	**--**	**--**	**--**
		07-26-04	1115	Environmental	508	660	5.8	75
		07-26-04	1120	**Replicate**	*508*	*660*	*5.8*	*75*
		08-23-04	1115	Environmental	464	655	7.0	92
		09-22-04	1000	**Blank**	--	--	--	--
		09-22-04	1105	Environmental	522	663	8.0	94
		09-22-04	1110	**Replicate**	*522*	*663*	*8.0*	*94*

WATER-QUALTIY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Mercury water fltrd, ng/L (50287)	Mercury water unfltrd ng/L (50286)	Methyl-mercury water fltrd, ng/L (50285)	Methyl-mercury water unfltrd ng/L (50284)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)
10-23-03	7.7	579	20.5	13.0	23.8	82.3	1.16	1.71	88	2	.02
11-20-03	--	--	--	--	*.18*	--	*<.04*	--	--	--	--
11-20-03	8.1	452	16.0	7.5	22.2	263	.71	1.34	44	14	3.2
12-29-03	--	--	--	--	*.37*	--	*<.04*	--	--	--	--
12-29-03	7.9	352	9.0	1.5	21.3	513	.67	1.10	60	21	8.6
01-20-04	--	--	--	--	*.51*	--	*<.04*	--	--	--	--
01-20-04	8.0	377	3.0	3.5	15.8	260	.51	.96	28	17	7.8
02-23-04	--	--	--	--	*5.12*	--	*<.04*	--	--	--	--
02-23-04	8.1	305	6.5	7.3	18.2	634	.76	1.16	52	26	16
03-17-04	--	--	--	--	*1.13*	--	*<.04*	--	--	--	--
03-17-04	8.1	205	21.0	12.2	17.1	3,030	1.01	2.40	82	119	162
03-24-04	--	--	--	--	*1.36*	--	*.06*	--	--	--	--
03-24-04	8.0	144	20.0	13.0	24.0	3,120	1.06	4.61	76	192	411
04-06-04	8.1	180	14.5	13.8	25.4	2,190	1.79	5.07	69	106	183
04-21-04	--	--	--	--	*1.06*	--	*<.04*	--	--	--	--
04-21-04	7.9	257	13.5	11.0	27.2	447	1.18	1.87	16	100	82
05-05-04	7.9	141	26.5	17.3	27.5	3,190	1.41	5.41	72	235	497
06-16-04	8.0	307	22.0	19.5	27.9	638	2.06	3.28	71	18	9.9
07-27-04	8.2	524	32.0	22.7	27.7	116	1.47	2.36	78	7	.11
08-24-04	--	--	--	--	*.28*	--	*<.04*	--	--	--	--
08-24-04	8.3	531	24.0	20.2	32.5	98.8	2.22	3.11	55	6	.05
09-20-04	8.0	540	13.0	12.5	25.3	70.1	1.68	2.20	59	2	.00
10-22-03	--	--	--	--	*1.23*	--	*<.04*	--	--	--	--
10-22-03	7.5	268	19.0	16.0	5.90	440	.08	.21	98	39	47
04-07-04	--	--	--	--	*1.05*	--	*<.04*	--	--	--	--
04-07-04	8.1	266	18.0	10.6	6.85	209	.06	.24	68	23	44
05-04-04	--	--	--	--	*.90*	--	*<.04*	--	--	--	--
05-04-04	8.1	270	27.0	12.5	4.70	113	.07	.15	88	18	42
06-15-04	--	--	--	--	*3.65*	--	*<.04*	--	--	--	--
06-15-04	8.2	260	24.0	17.0	6.84	136	.09	.22	98	20	21
07-26-04	--	--	--	--	*1.75*	--	*<.04*	--	--	--	--
07-26-04	8.2	267	30.5	20.5	5.48	222	.10	.25	95	35	48
07-26-04	*8.2*	*267*	*30.5*	*20.5*	*5.24*	*228*	*.12*	*.24*	--	--	--
08-23-04	8.1	267	20.5	21.2	6.77	130	.09	.26	95	23	29
09-22-04	--	--	--	--	*1.19*	--	*<.04*	--	--	--	--
09-22-04	8.3	263	15.0	16.5	5.30	203	.06	.16	98	32	45
09-22-04	*8.3*	*263*	*15.0*	*16.5*	*4.63*	*197*	*.08*	*.17*	--	--	--

Remark codes used in this table:
< -- Less than

QUALITY OF SURFACE WATER

CLEAR CREEK MONITORING PROJECT

Chemical analyses of water samples collected in the Clear Creek watershed are listed in the following table. Water samples were collected at four sites to characterize water quality in the basin. The project is in cooperation with the Nevada Department of Transportation and is being done to collect background data to evaluate the effectivenss of future erosion control efforts proposed in the basin.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Station name	Date	Time	Sample type	Instan-taneous dis-charge, cfs (00061)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
10310485	CLEAR CK ABV HWY 50 NR SPOONER SUMMIT, NV	03-19-04	0800	Environmental	.20	128
		03-23-04	1300	Environmental	.14	99
		04-30-04	1400	Environmental	.21	126
		08-13-04	1030	Environmental	.34	96
		08-13-04	1030	**Replicate**	--	--
		08-25-04	1000	Environmental	.34	93
		09-07-04	1030	Environmental	.33	97
10310490	CLEAR CREEK AT CLEAR CREEK RANCH NR CARSON CITY, NV	12-18-03	1300	Environmental	2.6	--
		03-23-04	1430	Environmental	4.6	252
		04-26-04	1110	Environmental	3.0	174
		04-30-04	1030	Replicate	--	--
		04-30-04	1030	Environmental	3.0	161
		05-07-04	1100	Environmental	2.7	148
		08-26-04	1000	Environmental	1.6	157
		08-26-04	1000	**Replicate**	--	--
10310500	CLEAR CREEK NEAR CARSON CITY, NV	10-06-03	1403	Environmental	1.8	120
		11-07-03	0957	Environmental	3.0	130
		12-29-03	0915	Environmental	4.3	100
		12-30-03	1330	Environmental	4.1	116
		02-11-04	1430	Environmental	4.4	96
		02-25-04	1400	**Replicate**	6.0	--
		02-25-04	1415	Environmental	6.0	183
		03-17-04	1437	Environmental	6.6	152
		03-19-04	1030	Environmental	6.1	242
		04-30-04	1200	Environmental	3.5	163
		05-07-04	1042	Environmental	3.9	--
		05-28-04	1020	Environmental	4.3	169
		05-28-04	1020	**Replicate**	--	--
		06-07-04	1040	Environmental	2.5	116
		07-29-04	1249	Environmental	1.6	170
		09-02-04	1230	Environmental	1.3	156
10310518	CLEAR CK AT FUJI PK AT CARSON CITY, NV	02-03-04	1230	Environmental	4.2	172
		02-25-04	1515	Environmental	7.3	174
		02-25-04	1515	**Replicate**	--	--
		03-19-04	0930	Environmental	7.2	244
		03-19-04	0930	**Replicate**	--	--
		04-30-04	1300	Environmental	4.0	168
		05-28-04	0850	Environmental	2.8	156
		05-28-04	0850	**Replicate**	2.8	--
		09-07-04	1200	**Blank**	--	--
		09-07-04	1300	Environmental	.46	172
		09-07-04	1310	**Replicate**	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
03-19-04	12.5	2.0	--	--	--	--	--	--	--	--	--	--	--
03-23-04	17.5	3.0	--	--	--	--	--	--	--	--	--	--	--
04-30-04	12.5	4.5	--	--	--	--	--	--	--	--	--	--	--
08-13-04	22.0	11.5	--	--	--	--	--	--	--	--	--	--	--
08-13-04	--	--	--	--	--	--	--	--	--	--	--	--	--
08-25-04	15.0	10.0	--	--	--	--	--	--	--	--	--	--	--
09-07-04	23.5	9.0	10.3	2.23	1.51	5.98	50	.34	<.2	23.6	.3	E.06	.11
12-18-03	10.0	5.0	--	--	--	--	--	--	--	--	--	--	--
03-23-04	17.0	11.0	--	--	--	--	--	--	--	--	--	--	--
04-26-04	20.5	10.5	--	--	--	--	--	--	--	--	--	--	--
04-30-04	--	--	--	--	--	--	--	--	--	--	--	--	--
04-30-04	20.5	9.5	--	--	--	--	--	--	--	--	--	--	--
05-07-04	22.5	11.5	--	--	--	--	--	--	--	--	--	--	--
08-26-04	19.5	13.0	21.5	2.83	2.57	8.87	77	4.93	<.2	20.3	.5	E.07	.45
08-26-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-06-03	26.5	11.0	--	--	--	--	--	--	--	--	--	--	--
11-07-03	6.0	4.5	--	--	--	--	--	--	--	--	--	--	--
12-29-03	3.5	2.5	--	--	--	--	--	--	--	--	--	--	--
12-30-03	7.0	2.5	17.8	3.35	2.11	16.9	64	23.9	<.2	21.5	1.1	E.08	.17
02-11-04	7.0	.5	--	--	--	--	--	--	--	--	--	--	--
02-25-04	--	--	--	--	--	--	--	--	--	--	--	--	--
02-25-04	3.0	4.5	--	--	--	--	--	--	--	--	--	--	--
03-17-04	26.0	9.0	--	--	--	--	--	--	--	--	--	--	--
03-19-04	20.0	6.5	--	--	--	--	--	--	--	--	--	--	--
04-30-04	18.5	7.0	--	--	--	--	--	--	--	--	--	--	--
05-07-04	18.0	8.0	--	--	--	--	--	--	--	--	--	--	--
05-28-04	10.0	10.0	--	--	--	--	--	--	--	--	--	--	--
05-28-04	--	--	--	--	--	--	--	--	--	--	--	--	--
06-07-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-29-04	32.0	17.0	--	--	--	--	--	--	--	--	--	--	--
09-02-04	24.5	13.0	22.3	3.25	2.44	9.68	80	5.01	<.2	21.1	.8	E.07	.18
02-03-04	6.5	3.0	--	--	--	--	--	--	--	--	--	--	--
02-25-04	2.5	4.5	--	--	--	--	--	--	--	--	--	--	--
02-25-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-19-04	19.0	7.0	--	--	--	--	--	--	--	--	--	--	--
03-19-04	--	--	--	--	--	--	--	--	--	--	--	--	--
04-30-04	19.5	10.5	--	--	--	--	--	--	--	--	--	--	--
05-28-04	13.5	10.5	--	--	--	--	--	--	--	--	--	--	--
05-28-04	13.5	10.5	--	--	--	--	--	--	--	--	--	--	--
09-07-04	--	--	.02	<.008	<.16	<.10	<2	<.20	<.2	<.2	<.2	--	--
09-07-04	28.0	15.5	21.1	3.36	2.50	10.3	82	5.57	<.2	22.1	.4	E.09	.22
09-07-04	--	--	20.6	3.28	2.38	9.94	82	5.57	<.2	21.9	.4	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)	Bedload sedi-ment dis-charge, tons/d (80225)	Bedload sedi-ment, sieve diametr percent <.063mm (80226)	Bedload sedi-ment, sieve diametr percent <.125mm (80227)
03-19-04	--	--	--	--	--	--	--	--	4	.00	--	--	--
03-23-04	--	--	--	--	--	--	--	--	21	.01	--	--	--
04-30-04	--	--	--	--	--	--	--	--	2	.00	--	--	--
08-13-04	--	--	--	--	--	--	--	--	3	.00	--	--	--
08-13-04	--	--	--	--	--	--	--	--	3	--	--	--	--
08-25-04	--	--	--	--	--	--	--	--	3	.00	.03	.0	.0
09-07-04	E.007	<.016	<.002	.008	.012	.021	63	2.0	2	.00	--	--	--
12-18-03	--	--	--	--	--	--	--	--	--	--	--	--	--
03-23-04	--	--	--	--	--	--	--	--	29	.36	--	--	--
04-26-04	--	--	--	--	--	--	--	--	9	.07	--	--	--
04-30-04	--	--	--	--	--	--	--	--	20	--	--	--	--
04-30-04	--	--	--	--	--	--	--	--	10	.08	--	--	--
05-07-04	--	--	--	--	--	--	--	--	9	.07	--	--	--
08-26-04	E.005	<.016	<.002	E.005	.007	.102	64	29.9	--	--	.51	.0	4
08-26-04	--	--	--	--	--	--	--	--	33	--	--	--	--
10-06-03	--	--	--	--	--	--	--	--	56	.27	--	--	--
11-07-03	--	--	--	--	--	--	--	--	29	.24	--	--	--
12-29-03	--	--	--	--	--	--	--	--	30	.35	--	--	--
12-30-03	E.008	.023	E.001	.013	.015	.040	85	10.1	15	.17	--	--	--
02-11-04	--	--	--	--	--	--	--	--	19	.22	--	--	--
02-25-04	--	--	--	--	--	--	--	--	--	--	1.4	.0	3
02-25-04	--	--	--	--	--	--	--	--	104	1.7	2.2	.0	5
03-17-04	--	--	--	--	--	--	--	--	29	.52	--	--	--
03-19-04	--	--	--	--	--	--	--	--	30	.49	--	--	--
04-30-04	--	--	--	--	--	--	--	--	16	.15	--	--	--
05-07-04	--	--	--	--	--	--	--	--	15	.16	--	--	--
05-28-04	--	--	--	--	--	--	--	--	107	1.2	1.1	.0	2
05-28-04	--	--	--	--	--	--	--	--	107	--	--	--	--
06-07-04	--	--	--	--	--	--	--	--	28	.19	--	--	--
07-29-04	--	--	--	--	--	--	--	--	8	.03	--	--	--
09-02-04	<.010	E.008	E.001	.013	.017	.042	104	10.1	30	.11	.38	.0	2
02-03-04	--	--	--	--	--	--	--	--	4	.04	--	--	--
02-25-04	--	--	--	--	--	--	--	--	82	1.6	.49	.0	2
02-25-04	--	--	--	--	--	--	--	--	82	--	--	--	--
03-19-04	--	--	--	--	--	--	--	--	9	.18	--	--	--
03-19-04	--	--	--	--	--	--	--	--	9	--	--	--	--
04-30-04	--	--	--	--	--	--	--	--	6	.07	--	--	--
05-28-04	--	--	--	--	--	--	--	--	48	.36	.43	.0	1
05-28-04	--	--	--	--	--	--	--	--	48	.36	--	--	--
09-07-04	--	--	--	--	--	--	<6	<.8	--	--	--	--	--
09-07-04	E.009	E.012	E.001	.012	.014	.054	11	2.7	31	.04	.03	.0	.0
09-07-04	--	--	--	--	--	--	10	2.7	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Bedload sedi-ment, sieve diametr percent <.25mm (80228)	Bedload sedi-ment, sieve diametr percent <.5 mm (80229)	Bedload sedi-ment, sieve diametr percent <1 mm (80230)	Bedload sedi-ment, sieve diametr percent <2 mm (80231)	Bedload sedi-ment, sieve diametr percent <4 mm (80232)	Bedload sedi-ment, sieve diametr percent <8 mm (80233)	Bedload sedi-ment, sieve diametr percent <16 mm (80234)	Bag mesh size, bedload sampler mm (30333)
03-19-04	--	--	--	--	--	--	--	--
03-23-04	--	--	--	--	--	--	--	--
04-30-04	--	--	--	--	--	--	--	--
08-13-04	--	--	--	--	--	--	--	--
08-13-04	--	--	--	--	--	--	--	--
08-25-04	1	2	3	2	2	.0	.0	.250
09-07-04	--	--	--	--	--	--	--	--
12-18-03	--	--	--	--	--	--	--	--
03-23-04	--	--	--	--	--	--	--	--
04-26-04	--	--	--	--	--	--	--	--
04-30-04	--	--	--	--	--	--	--	--
04-30-04	--	--	--	--	--	--	--	--
05-07-04	--	--	--	--	--	--	--	--
08-26-04	29	22	26	24	5	.0	.0	.250
08-26-04	--	--	--	--	--	--	--	--
10-06-03	--	--	--	--	--	--	--	--
11-07-03	--	--	--	--	--	--	--	--
12-29-03	--	--	--	--	--	--	--	--
12-30-03	--	--	--	--	--	--	--	--
02-11-04	--	--	--	--	--	--	--	--
02-25-04	34	49	37	18	3	.0	.0	.250
02-25-04	67	81	55	23	3	.0	.0	.250
03-17-04	--	--	--	--	--	--	--	--
03-19-04	--	--	--	--	--	--	--	--
04-30-04	--	--	--	--	--	--	--	--
05-07-04	--	--	--	--	--	--	--	--
05-28-04	26	59	43	10	.0	.0	.0	.250
05-28-04	--	--	--	--	--	--	--	--
06-07-04	--	--	--	--	--	--	--	--
07-29-04	--	--	--	--	--	--	--	--
09-02-04	14	31	29	14	1	.0	.0	.250
02-03-04	--	--	--	--	--	--	--	--
02-25-04	10	10	8	9	6	3	.0	.250
02-25-04	--	--	--	--	--	--	--	--
03-19-04	--	--	--	--	--	--	--	--
03-19-04	--	--	--	--	--	--	--	--
04-30-04	--	--	--	--	--	--	--	--
05-28-04	8	6	6	9	10	.0	.0	.250
05-28-04	--	--	--	--	--	--	--	--
09-07-04	--	--	--	--	--	--	--	--
09-07-04	1	1	1	3	2	.0	.0	.250
09-07-04	--	--	--	--	--	--	--	--

Remark codes used in this table:
< -- Less than
E -- Estimated value

MISCELLANEOUS PRECIPITATION SITES

DAYTON VALLEY

Precipitation data were collected in the Dayton Valley Hydrographic Area as part of a cooperative study with the Carson Water Subconservancy District. The purpose of the study is to refine existing maps showing the distribution of annual precipitation. .

Station Name and Number	Location and Drainage Area	Period	Precipitation (inches)
Basalite Knob 392037119312201	Lat 39°20'37", long 119°31'22", in SE¼ NW¼ sec. 16, T.17N., R.22E., Storey County, Hydrologic Unit 16050202, 8.0 mi northeast of Dayton, elevation 5,580 ft.	09/26/2003 to 09/28/2004	3.84
Brunswick Canyon 390726119371901	Lat 39°07'26", long 119°37'19", in NE¼ SE¼ sec.33, T.15N.,R.20E., Carson City, Hydrologic Unit 16050202, 8.2 mi southeast of Carson City, elevation 6,370 ft.	09/26/2003 to 09/28/2004	6.48
Brunswick Reservoir 391011119395201	Lat 39°10'11", long 119°39'52", in NW¼ NE¼ sec 18, T.15N., R.21E., Carson City, Hydrologic Unit 16050202, 5.4 mi east of Carson City, elevation 5,100 ft.	09/26/2003 to 09/28/2004	4.80
McClellan Peak 391532119420601	Lat 39°15'32", long 119°42'06", in NE¼ NW¼ sec 14, T.16N.,R.20E., Storey County, Hydrologic Unit 16050202, 3.2 mi northeast of Carson City, elevation 7,410 ft.	09/26/2003 to 10/01/2004	5.64
Churchill Butte 392024119173901	Lat 39°20'24", long 119°17'39", in SW¼ NE¼ sec 16, T.17N., R.24E., Lyon County, Hydrologic Unit 16050202, elevation 6, 030 ft.	09/26/2003 to 09/28/2004	2.70

GROUND-WATER LEVELS

DAYTON VALLEY

Water-level data were collected in the Dayton Valley Hydrographic Area as part of a cooperative study with the Carson Water Subconservancy District. The purpose of the study is to determine the hydrologic response to seasonal recharge and to continued development in the area.
Water Level Method: S, steel tape; T, electric tape.
Water Level Status: R, recently pumped; S, nearby pumping..

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
				Date	(Feet)	Status	Method
103 N15 E20 01AACD1	391129119404801	256.	4898.	12/08/2003	213.4		T
				02/25/2004	212.8		T
				03/30/2004	212.6		T
				05/05/2004	212.5		T
				06/23/2004	212.6		T
				07/20/2004	212.5		T
				08/26/2004	212.6		T
				09/21/2004	212.6		T
103 N16 E21 23CCBA1	391401119360101	416.	4626.6	10/21/2003	280.3		T
				12/08/2003	279.6		T
				01/26/2004	279.1		T
				02/24/2004	278.8		T
				03/30/2004	278.7		T
				05/05/2004	278.7		T
				06/23/2004	279.1		T
				07/20/2004	279.7		T
				08/26/2004	280.6		T
				09/21/2004	281.0		T
103 N16 E21 24DDBC1	391354119343701	135.	4440.	10/21/2003	81.20		S
				12/08/2003	80.39		S
				01/29/2004	80.36		S
				02/25/2004	80.40		S
				03/30/2004	80.14		S
				05/05/2004	80.15		S
				06/23/2004	80.94		S
				07/20/2004	81.44		S
				08/26/2004	83.15		S
				09/21/2004	84.78		S
103 N16 E21 24DDBC2	391358119340801	162.	4432.0	10/21/2003	126.8		T
				01/26/2004	121.4		T
				02/25/2004	119.1		T
				03/30/2004	118.8		T
				05/05/2004	122.3		T
				06/23/2004	131.9		T
				07/20/2004	132.5		T
				08/26/2004	130.8		T
				09/21/2004	132.0		T
103 N16 E21 29BCCC1	391324119392501	222.	4835.	10/21/2003	65.1		T
				12/08/2003	65.3		T
				01/21/2004	65.4		T
				02/25/2004	65.3		T
				03/30/2004	65.4		T
				05/05/2004	65.6		T
				06/23/2004	65.8		T
				07/20/2004	65.9		T
				08/26/2004	66.1		T
				09/21/2004	66.2		T
103 N16 E21 29DBAA2	391319119384101	75.	4750.	10/21/2003	26.5		T
				12/08/2003	26.4		T
				01/21/2004	26.2		T
				02/25/2004	26.0		T
				03/30/2004	25.9		T
				05/05/2004	26.0		T
				06/23/2004	26.3		T
				07/20/2004	26.5		T
				08/26/2004	26.8		T
				09/21/2004	27.0		T

DAYTON VALLEY--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method
103 N16 E21 30CDBA1	391308119401201	113.	4952.	10/20/2003	53.6		T
				12/08/2003	53.8		T
				01/21/2004	53.9		T
				02/25/2004	54.0		T
				03/30/2004	53.8		T
				05/05/2004	53.8		T
				06/23/2004	54.1		T
				07/20/2004	54.3		T
				08/26/2004	55.6		T
				09/21/2004	54.7		T
103 N16 E22 09BCBC2	391608119313601	600.	4345.3	10/21/2003	59.92		S
				12/08/2003	58.77		S
				01/29/2004	58.10		S
				02/26/2004	57.80		S
				03/30/2004	57.80		S
				05/05/2004	57.82		S
				06/23/2004	58.86		S
				07/20/2004	59.66		S
				08/26/2004	60.15		S
				09/21/2004	60.30		S
103 N16 E22 18DDDD1	391429119325401	273.	4365.	10/21/2003	71.79		S
				12/08/2003	70.90		S
				01/29/2004	69.10		S
				02/25/2004	68.95		S
				03/30/2004	69.15		S
				05/05/2004	73.78	R	S
				06/23/2004	74.90	S	S
				07/20/2004	75.60		S
				08/26/2004	75.53		S
				09/21/2004	75.05	S	S
103 N17 E22 28BACA1	391853119311201	150.	4393.6	10/21/2003	108.7		T
				12/08/2003	108.4		T
				01/21/2004	108.1		T
				02/25/2004	107.9		T
				03/30/2004	107.8		T
				05/05/2004	108.0		T
				06/23/2004	108.4		T
				07/20/2004	108.6		T
				08/26/2004	108.9		T
103 N17 E22 30DBCD1	391824119331001	230.	4442.9	10/21/2003	155.7		T
				12/08/2003	155.3		T
				01/21/2004	154.9		T
				02/25/2004	154.6		T
				03/30/2004	154.5		T
				05/05/2004	154.7		T
				06/23/2004	155.2		T
				07/20/2004	155.6		T
				08/26/2004	156.0		T
				09/21/2004	156.0		T
103 N17 E22 32CADA1	391733119321001	101.	4346.5	10/21/2003	57.5		T
				12/08/2003	53.3		T
				01/21/2004	57.0		T
				02/25/2004	56.7		T
				03/29/2004	56.57		S
				03/30/2004	56.5		T
				05/05/2004	56.6		T
				06/23/2004	56.8		T
				07/20/2004	57.1		T
				08/26/2004	57.6		T
				09/21/2004	57.6		T
103 N17 E23 07DDDD1	392047119260501	386.	4324.0	10/21/2003	99.2		T
				03/29/2004	97.06		S
103 N17 E23 09CCDB1	392050119244701	82.	4270.83	10/21/2003	49.0		T
				03/29/2004	49.13		S
103 N17 E23 09DAAA1	392110119235001	84.	4281.70	10/21/2003	66.0		T
				03/29/2004	65.24		S

Water-quality measurements in the following table were made in cooperation with the Carson Water Subconservancy District to establish background information in Douglas County to determine if changes in water quantity and quality occur.

Depths and Water Levels: Depths are referenced to land-surface datum (LSD). Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data.".

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Local identifier	Date	Time	Sample type	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)
385255119482301	N12 E19 23DDD 1	10-04-04	1445	Environmental	141.	--	8.5	109	16.0	16.2	5.37
		10-04-04	1505	**Field Blank**	*141.*	--	--	--	--	--	*<.02*
385300119405702	N12 E20 24DCDB2	03-10-04	1040	Environmental	180.	--	7.5	599	18.0	15.6	57.8
		09-20-04	1310	Environmental	180.	--	7.3	592	12.0	15.0	58.8
385321119405002	N12 E20 24ADCC2	09-22-04	1040	Environmental	145.	105.70	7.6	553	10.0	13.5	71.9
385326119490101	N12 E19 23BDDB1	10-06-04	1005	Environmental	112.	--	6.9	83	13.0	15.0	--
385339119490501	N12 E19 23BACA1	10-06-04	1035	Environmental	--	--	6.2	134	15.0	11.7	--
385342119490201	N12 E19 23BAAC1	10-06-04	1120	Environmental	--	--	6.2	159	15.0	11.7	--
385343119491001	N12 E19 23BABB1	10-07-04	1310	Environmental	--	52.41	6.2	76	19.0	11.7	--
385352119455401	N12 E20 17CCDA1	09-30-04	1410	Environmental	91.	32.47	6.5	205	--	14.7	18.7
385353119491901	N12 E19 14CCAC2	10-06-04	1345	Environmental	--	--	6.2	76	16.5	11.4	--
385354119491601	N12 E19 14CCAC1	10-07-04	1355	Environmental	--	--	6.8	54	20.5	14.0	--
385405119492801	N12 E19 15DADA1	10-06-04	1250	Environmental	--	--	6.3	71	16.0	10.8	--
385423119494301	N12 E19 15ADBB2	10-06-04	1450	Environmental	--	--	6.5	84	16.9	12.5	--
385424119494401	N12 E19 15ADBB1	10-06-04	1415	Environmental	183.	--	6.8	79	16.5	11.4	--
385441119495501	N12 E19 10DCDB1	10-07-04	1205	Environmental	107.	40.00	6.0	125	16.5	12.1	--
385509119414801	N12 E20 11ADD 1	09-22-04	1320	Environmental	125.	--	7.5	385	20.0	14.7	49.3
385530119501501	N12 E19 03CDCB1	10-07-04	1050	Environmental	112.	40.09	6.4	117	14.0	--	--
385654119431801	N13 E20 34ACC 1	09-22-04	1150	Environmental	80.	--	7.3	524	24.0	14.7	56.8
385801119421501	N13 E20 26ABBB1	03-10-04	1140	Environmental	130.	--	7.5	282	18.0	15.4	30.9
		09-22-04	1500	Environmental	130.	--	7.3	307	22.0	15.7	30.7
390015119500101	N13 E19 10DBB 1	10-04-04	1220	Environmental	115.	--	7.2	222	15.5	13.5	27.7
390017119455901	N13 E20 08CBAB1	09-30-04	1540	Environmental	332.	--	7.9	162	--	16.2	10.9
390021119504301	N13 E19 09ADCA1	10-04-04	1315	Environmental	180.	--	7.0	266	16.0	12.5	38.5
390055119421901	N13 E20 02CDAA1	03-08-04	1300	Environmental	176.	127.39	8.0	344	18.5	18.9	13.6
		09-30-04	1020	Environmental	176.	--	7.6	261	--	21.0	14.3
390106119424301	N13 E20 02CBB 1	09-30-04	1132	Environmental	176.	--	7.6	314	--	19.8	9.18
390208119433201	N14 E20 34BDBD1	03-08-04	1120	Environmental	100.	34.24	7.5	445	19.5	15.3	20.0
		09-23-04	1505	Environmental	100.	36.71	7.3	436	--	16.0	21.0
390230119480001	N14 E19 25BA 1	03-10-04	1300	Environmental	239.	--	7.1	601	18.0	18.2	33.3
		09-20-04	1040	Environmental	239.	--	7.0	667	8.0	14.6	48.0
390232119443201	N14 E20 28CDC 1	03-08-04	0930	Environmental	88.	--	7.4	659	19.0	15.1	53.7
		09-23-04	1350	Environmental	88.	--	7.4	667	24.0	16.9	54.6
390446119451401	N14 E20 17ADCA1	03-11-04	1043	Environmental	27.	8.15	6.6	4,080	18.0	13.7	265
		03-11-04	1100	**Field Blank**	*27.*	--	--	--	--	--	*<.01*
		09-23-04	1150	Environmental	27.	5.83	6.7	4,470	21.0	14.8	348
		09-23-04	1230	**Field Blank**	*27.*	--	--	--	--	--	*<.01*
390457119491301	N14 E19 14BBD 1	10-04-04	1055	Environmental	100.	--	8.4	120	--	15.1	13.6
390542119472001	N14 E19 12ADAB1	10-04-04	1005	Environmental	155.	--	7.5	246	12.5	15.7	23.2

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Iron, water, fltrd, ug/L (01046)
10-04-04	.164	.64	17.3	32	32	1.04	.8	17.1	81	<.010	.043	<.002	.014	11
10-04-04	*<.008*	*<.16*	*<.20*	*<2*	--	*<.20*	*<.1*	*<.2*	*<10*	*<.010*	*<.016*	*<.002*	*<.006*	*<6*
03-10-04	22.6	6.32	32.2	167	--	26.8	<.2	67.9	395	<.04	8.16	<.008	.04	15
09-20-04	23.5	6.50	33.7	163	162	25.1	<.2	70.5	393	<.04	8.21	<.008	.04	<6
09-22-04	11.9	2.50	25.5	176	175	18.4	<.2	62.8	361	<.010	3.80	<.002	.057	<6
10-06-04	--	--	--	--	--	.49	.3	3.4	66	<.04	.20	<.008	.03	--
10-06-04	--	--	--	--	--	5.70	E.1	5.9	113	<.04	6.08	<.008	E.01	--
10-06-04	--	--	--	--	--	7.84	E.1	6.1	115	<.04	6.44	<.008	E.01	--
10-07-04	--	--	--	--	--	2.68	.1	1.4	61	<.04	1.61	<.008	<.02	--
09-30-04	7.83	2.50	10.2	67	68	5.28	<.2	12.3	177	<.010	5.00	<.002	.097	7
10-06-04	--	--	--	--	--	.50	.2	2.3	70	<.04	.35	<.008	.02	--
10-07-04	--	--	--	--	--	.27	E.1	.8	62	<.04	.07	<.008	.04	--
10-06-04	--	--	--	--	--	.39	.1	3.6	66	<.04	.40	<.008	E.01	--
10-06-04	--	--	--	--	--	.58	.1	2.8	80	<.04	.70	<.008	.03	--
10-06-04	--	--	--	--	--	.28	.1	4.2	48	<.04	.20	<.008	.04	--
10-07-04	--	--	--	--	--	.79	.1	3.7	101	<.04	.94	<.008	.02	--
09-22-04	8.79	2.70	19.4	147	147	12.7	<.2	23.7	254	<.010	3.17	<.002	.064	<6
10-07-04	--	--	--	--	--	1.44	.8	3.6	91	<.04	1.23	<.008	.02	--
09-22-04	12.4	1.97	34.5	221	219	11.1	.2	22.7	315	<.010	1.74	<.002	.126	<6
03-10-04	8.50	3.04	24.3	125	125	6.07	<.2	26.7	228	<.010	1.04	<.002	.061	7
09-22-04	8.57	2.97	25.6	125	124	5.51	<.2	26.0	228	E.006	1.22	<.002	.061	<6
10-04-04	5.49	1.35	10.4	107	108	2.36	<.1	2.4	144	<.010	1.61	<.002	.075	16
09-30-04	.961	3.48	24.4	69	69	4.71	.7	16.4	169	.013	<.016	<.002	.026	18
10-04-04	5.02	2.73	14.9	139	140	1.41	.2	13.3	183	E.007	.230	E.001	.017	17
03-08-04	2.24	2.47	70.3	137	138	13.5	2.8	22.0	281	<.010	1.30	<.002	E.004	<6
09-30-04	2.31	2.56	59.1	138	138	13.6	2.7	22.8	285	<.010	1.22	<.002	E.003	9
09-30-04	2.94	4.39	57.1	117	117	9.30	1.4	35.1	292	<.010	1.57	<.002	.007	10
03-08-04	6.58	4.27	65.2	123	123	19.5	1.4	54.1	320	<.010	2.33	<.002	.033	E4
09-23-04	6.76	4.03	60.9	122	123	20.9	1.4	55.9	329	<.010	2.85	<.002	.031	<6
03-10-04	5.96	2.78	105	120	100	62.4	3.4	117	410	.059	.339	.002	.198	E4
09-20-04	8.54	4.20	104	162	161	61.2	2.5	97.7	448	.022	1.29	E.001	.098	8
03-08-04	7.61	5.06	77.8	194	199	25.8	1.6	69.2	450	E.006	5.93	<.002	.024	<6
09-23-04	7.76	4.76	73.2	202	202	28.0	1.6	70.2	464	<.010	6.93	<.002	.021	<6
03-11-04	7.52	7.01	831	177	177	230	6.7	1,760	3,340	E.138	<.016	.002	E.031	9,280
03-11-04	*<.008*	*<.16*	*<.10*	*<2*	--	*<.20*	*<.2*	*<.2*	*<10*	*<.010*	*<.016*	*<.002*	*<.006*	*<6*
09-23-04	29.6	8.88	810	191	194	237	6.9	1,860	3,500	.140	E.009	E.001	.075	5,350
09-23-04	*<.008*	*E.09*	*<.10*	*<2*	--	*<.20*	*<.2*	*<.2*	*<10*	*<.010*	*<.016*	*<.002*	*<.006*	*<6*
10-04-04	.063	.80	14.2	61	62	1.11	<.1	.9	93	<.010	1.25	E.001	E.004	<6
10-04-04	3.66	1.22	27.0	111	111	7.64	.3	7.8	188	<.010	2.01	E.001	.009	<6

Remark codes used in this table:
< -- Less than
E -- Estimated value

GROUND-WATER LEVELS

DOUGLAS COUNTY

Water Level Status--O, well obstructed; R, site had been pumped recently;
V, foreign substance was present on the surface of the water.
Water Level Method--S, steel tape; G, pressure gage; T, electric tape..

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
				Date	(Feet)	Status	Method
105 N12 E20 04BAAA2	385620119453101	21.	4755.	03/31/2004	9.7		T
105 N12 E20 09BCAD1	385512119444801	450.	4769.	04/01/2004	30.0		T
105 N12 E20 13DDBB1	385413119405001	250.	5000.	03/02/2004	164.81	R	S
105 N12 E20 15DCAA1	385355119430701	143.	4886.	04/01/2004	102.8		T
105 N13 E19 09DAAB1	390016119504101	159.	4776.	04/02/2004	49.4		T
105 N13 E19 12BBAD1	390037119480701	400.	4667.	04/02/2004	-9.7		G
105 N13 E19 24CADD1	385821119475001	401.	4685.	04/02/2004	-9.5		G
105 N13 E19 33DADD1	385637119503701	80.	4765.	04/02/2004	25.9		T
105 N13 E20 14AADA1	385944119414501	301.	4890.	12/30/2003	113.50		S
				03/31/2004	113.79		S
				07/07/2004	114.82		S
				09/21/2004	114.96		S
105 N13 E20 23DDDA1	385815119413101	392.	4885.	12/30/2003		O	
105 N13 E21 19CBBA1	385834119395901	140.	4960.	03/30/2004	82.73		S
				07/07/2004	77.50		S
				09/21/2004	77.61		S
105 N13 E21 28CCBC1	385724119382301	95.	5160.	03/30/2004	67.63		S
105 N13 E21 32BDAD1	385657119385801	608.	5141.	12/30/2003	41.08		S
				03/30/2004	42.50		S
				03/30/2004	42.5		T
				07/07/2004	45.64		S
105 N13 E21 32BDAD1	385657119385801	608.	5141.	09/21/2004	46.96		S
105 N14 E19 15BBAB1	390501119502401	240.	5138.	04/02/2004	31.0		T
105 N14 E19 22ABAD1	390407119494601	44.	5051.	04/02/2004	15.22		S
105 N14 E20 33BCDA1	390208119444601	218.	4683.	12/30/2003	7.17	V	S
				04/02/2004	5.13	V	S

GROUND-WATER LEVELS

DRY VALLEY

Water-level data were collected in the Dry Valley area, north-central Nevada as part of a water-resources investigation in cooperation with Washoe County. The purposes of the study are to estimate natural ground-water discharge and characterize the quality of ground water in Dry Valley.

Water Level Method: R, reported; S, steel tape; T, electric tape.
Water Level Accuracy--1, water level accurate to the nearest tenth of a foot; 2, water level accurate to the nearest one-hundreth of a foot.

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Method	Accuracy
024N017E01F01M	395740120012601		4370.	11/20/2003	16.84	S	2
				01/30/2004	16.78	S	2
024N018E06H01M	395832119595901		4544.	11/20/2003	113.40	T	1
				01/30/2004	114.23	T	1
024N018E07D01M	395748120004601		5382.3	11/20/2003	7.28	T	1
				01/30/2004	7.12	T	1
024N018E07J01M	395734119595601	440.	4406.4	11/20/2003	11.70	S	2
				01/30/2004	11.56	T	1
				06/17/2004	12.02	T	1
095 N24 E18 07ADAB1	395747119595401	140.	4403.8	11/20/2003	3.91	T	1
				01/30/2004	3.57	T	1
				06/17/2004	3.83	T	1
095 N24 E18 07DAAB1	395737119595501	385.	4401.9	11/20/2003	10.69	T	1
				01/30/2004	10.39	T	1
				06/17/2004	10.8	T	1
095 N24 E18 07DAAC1	395734119595501	547.	4404.3	11/20/2003	17.19	T	1
				01/30/2004	16.69	T	1
				06/17/2004	16.15	T	1
095 N24 E18 07DAAC2	395734119595502	250.	4404.3	11/20/2003	11.92	T	1
				01/30/2004	11.57	T	1
				06/17/2004	11.2	T	1
095 N24 E18 07DAAC3	395734119595503	40.	4405.8	11/20/2003	7.15	T	1
				01/30/2004	6.75	T	1
				06/17/2004	7.30	T	1
095 N24 E18 08ACCC1	395739119591401	23.	4415.2	11/20/2003	7.94	T	1
				01/30/2004	7.40	T	1
095 N24 E18 08CBAA1	395736119593501	44.	4408.7	11/20/2003	3.82	T	1
				01/30/2004	3.28	T	1
095 N24 E18 08CBAA2	395735119593401	41.	4408.4	11/20/2003	3.55	T	1
				01/30/2004	3.11	T	1
095 N24 E18 08CCDC1	395716119593801	100.	4438.9	01/30/2004	35.40	S	2
095 N24 E18 09BCBD1	395743119582401	350.	4465.8	11/20/2003	37.63	T	1
				01/30/2004	37.79	T	1
095 N24 E18 09CABB1	395735119582401	35.	4453.1	11/20/2003	24.98	T	1
				01/30/2004	25.21	T	1
095 N24 E18 15BACC1	395657119571601	20.	4495.	11/20/2003	10.51	T	1
				01/30/2004	10.03	T	1
				06/17/2004	9.65	T	1
095 N24 E18 17DAAB2	395737119595502	150.	4401.9	11/20/2003	7.38	T	1
				01/30/2004	7.01	T	1
				06/17/2004	7.19	T	1

Chemical analyses of water samples collected in the vicinity of a storm-water detention basin are listed in the following table. Water samples were collected near the Cattleman's Detention Basin to characterize surface water in the vicinity. The project is in cooperation with El Dorado County Department of Transportation and is being done to determine effects from placing storm water in the detention basin on nutrient and sediment loads to nearby Cold Creek and Lake Tahoe.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Station name	Date	Time	Sample type	Flow rate, instantaneous gal/min (00059)	Barometric pressure, mm Hg (00025)
10336778	COLD CREEK AT PIONEER TRAIL NEAR SOUTH LAKE TAHOE, CA	04-27-04	1130	Environmental	.10	614
		04-27-04	1131	**Other QA**	--	--
		04-27-04	1132	**Other QA**	--	--
		07-29-04	1030	Environmental	--	611
103367786	COLD CREEK BELOW CATTLEMANS DETENTION BASIN NEAR SOUTH LAKE TAHOE, CA	05-03-04	0930	Environmental	--	614
		05-03-04	0931	**Other QA**	--	--
		05-03-04	1030	Environmental	--	614
		05-03-04	1032	**Other QA**	--	--
		07-29-04	0930	Environmental	--	611
		07-29-04	0945	Environmental	--	--
385431119574201	COLD CREEK STORM SAMPLER 1 30-INCH CULVERT	12-08-03	1000	Environmental	--	--
		12-08-03	1001	**Other QA**	--	--
		12-08-03	1002	**Other QA**	--	--
		01-12-04	1200	Environmental	--	--
		01-12-04	1201	**Other QA**	--	--
		03-08-04	1100	Environmental	--	--
		03-08-04	1101	**Other QA**	--	--
		03-10-04	0930	Environmental	--	--
		03-10-04	0931	**Other QA**	--	--
		03-10-04	0932	**Other QA**	--	--
		03-12-04	0900	Environmental	--	--
		03-12-04	0902	**Other QA**	--	--
		03-17-04	1200	Environmental	--	--
		03-17-04	1201	**Other QA**	--	--
		03-19-04	0900	Environmental	--	--
		03-19-04	0902	**Other QA**	--	--
		03-22-04	1130	Environmental	--	--
		03-22-04	1132	**Other QA**	--	--
		03-25-04	1600	Environmental	--	--
		03-25-04	1601	**Other QA**	--	--
		03-28-04	1700	Environmental	--	--
		03-28-04	1702	**Other QA**	--	--
		06-29-04	1600	Environmental	--	--
		06-29-04	1601	**Other QA**	--	--
		06-30-04	1600	Environmental	--	--
		06-30-04	1601	**Other QA**	--	--
385432119574402	COLD CREEK SAMPLER SITE 2 18-INCH CULVERT	03-08-04	1045	Environmental	--	--
		03-08-04	1046	**Other QA**	--	--
		03-08-04	1047	**Other QA**	--	--
		03-10-04	0900	Environmental	--	--
		03-22-04	1100	Environmental	--	--
		06-29-04	1630	Environmental	--	--
		06-29-04	1631	**Other QA**	--	--
		06-29-04	1632	**Other QA**	--	--
385433119574407	COLD CREEK STORM SAMPLER 3-OUTLET WEIR DETENTION BASIN	12-08-03	1030	Environmental	--	--
		12-08-03	1031	**Other QA**	--	--
		12-08-03	1032	**Other QA**	--	--
		03-19-04	1000	Environmental	--	--
		03-22-04	1000	Environmental	--	--
		03-22-04	1001	**Other QA**	--	--
385433119574801	PRECIPITATION SITE FOR COLD CREEK PROJECT	12-08-03	1100	Environmental	--	--
		12-08-03	1102	**Other QA**	--	--
		12-12-03	1000	Environmental	--	--
		12-12-03	1001	**Other QA**	--	--
		12-15-03	1030	Environmental	--	--
		12-15-03	1031	**Other QA**	--	--
		12-15-03	1032	**Other QA**	--	--
		01-05-04	0900	Environmental	--	--
		01-05-04	0902	**Other QA**	--	--
		03-27-04	1300	Environmental	--	--
		03-27-04	1302	**Other QA**	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka-linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicar-bonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)
04-27-04	9.2	91	5.6	48	19.5	5.2	4.26	.607	1.21	4.94	21	25	<.08
04-27-04	--	--	--	--	--	--	--	--	--	--	--	--	--
04-27-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-29-04	8.0	88	7.1	43	--	10.0	3.85	.496	.84	3.58	23	28	<.02
05-03-04	9.4	93	6.6	45	21.0	5.7	4.03	.594	.92	3.83	18	22	<.08
05-03-04	--	--	--	--	--	--	--	--	--	--	--	--	--
05-03-04	9.4	93	6.6	45	21.0	5.7	4.07	.603	.83	3.76	18	--	<.08
05-03-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-29-04	8.7	96	7.1	40	--	10.0	3.88	.481	.83	3.60	17	20	<.02
07-29-04	--	--	--	--	--	--	--	--	--	--	--	--	--
12-08-03	--	--	5.1	--	--	--	1.77	.150	.73	3.90	--	--	<.16
12-08-03	--	--	--	--	--	--	--	--	--	--	--	--	--
12-08-03	--	--	--	--	--	--	--	--	--	--	--	--	--
01-12-04	--	--	--	--	--	--	5.34	.401	2.03	38.6	--	--	--
01-12-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-08-04	--	--	--	--	--	--	4.72	.344	1.08	45.2	--	--	<.32
03-08-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-10-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-10-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-10-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-12-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-12-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-17-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-17-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-19-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-19-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-22-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-22-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-25-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-25-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-28-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-28-04	--	--	--	--	--	--	--	--	--	--	--	--	--
06-29-04	--	--	--	--	--	--	27.8	2.37	9.96	21.4	--	--	.59
06-29-04	--	--	--	--	--	--	--	--	--	--	--	--	--
06-30-04	--	--	--	--	--	--	--	--	--	--	--	--	--
06-30-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-08-04	--	--	--	--	--	--	4.43	.327	.83	1.50	--	--	<.16
03-08-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-08-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-10-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-22-04	--	--	--	--	--	--	--	--	--	--	--	--	--
06-29-04	--	--	--	--	--	--	--	--	--	--	--	--	--
06-29-04	--	--	--	--	--	--	--	--	--	--	--	--	--
06-29-04	--	--	--	--	--	--	--	--	--	--	--	--	--
12-08-03	--	--	4.9	--	--	--	3.18	.513	1.62	3.78	--	--	<.16
12-08-03	--	--	--	--	--	--	--	--	--	--	--	--	--
12-08-03	--	--	--	--	--	--	--	--	--	--	--	--	--
03-19-04	--	--	--	--	--	--	5.13	.834	1.27	3.88	--	--	<.32
03-22-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-22-04	--	--	--	--	--	--	--	--	--	--	--	--	--
12-08-03	--	--	--	--	--	--	--	--	--	--	--	--	--
12-08-03	--	--	--	--	--	--	--	--	--	--	--	--	--
12-12-03	--	--	--	--	--	--	--	--	--	--	--	--	--
12-12-03	--	--	--	--	--	--	--	--	--	--	--	--	--
12-15-03	--	--	--	--	--	--	--	--	--	--	--	--	--
12-15-03	--	--	--	--	--	--	--	--	--	--	--	--	--
12-15-03	--	--	--	--	--	--	--	--	--	--	--	--	--
01-05-04	--	--	--	--	--	--	.42	.024	<.16	.50	--	--	<.02
01-05-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-27-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-27-04	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)	[1]Nitrite + nitrate water unfltrd mg/L as N (00630)	Orthophosphate, water, fltrd, mg/L as P (00671)	Orthophosphate, water, unfltrd mg/L as P (70507)
04-27-04	.50	<.2	15.5	1.3	50	.14	--	.005	--	.065	--	.008	--
04-27-04	--	--	--	--	--	--	--	--	--	--	--	--	--
04-27-04	--	--	--	--	--	--	--	*.014*	--	--	--	--	--
07-29-04	.28	<.2	14.3	2.0	31	.76	--	.012	--	.006	--	.004	--
05-03-04	.76	<.2	16.3	1.2	36	--	.30	--	.007	--	.071	--	.01
05-03-04	--	--	--	--	--	--	--	--	*.008*	--	*.072*	--	--
05-03-04	.55	<.2	16.3	1.1	53	--	.31	--	.014	--	.070	--	.01
05-03-04	--	--	--	--	--	--	--	--	--	--	*.198*	--	--
07-29-04	.38	<.2	14.5	1.9	30	.08	--	.012	--	.016	--	.009	--
07-29-04	--	--	--	--	--	--	--	--	--	--	--	--	--
12-08-03	3.59	<.2	1.27	.7	--	--	.86	--	.089	--	.052	--	.09
12-08-03	--	--	--	--	--	--	--	--	*.091*	--	--	--	*.09*
12-08-03	--	--	--	--	--	--	--	--	--	--	--	--	--
01-12-04	58.4	<.2	1.07	1.1	119	.51	--	.060	--	.046	--	.011	--
01-12-04	--	--	--	--	--	*.49*	--	--	--	*.047*	--	--	--
03-08-04	62.4	<.2	1.89	1.4	142	--	.79	--	.087	--	.147	--	.22
03-08-04	--	--	--	--	--	--	--	--	--	--	--	--	*.21*
03-10-04	--	--	--	--	--	--	.60	--	.050	--	.013	--	.04
03-10-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-10-04	--	--	--	--	--	--	--	--	--	--	--	--	*.06*
03-12-04	--	--	--	--	--	--	.33	--	.049	--	.065	--	.09
03-12-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-17-04	--	--	--	--	--	--	.22	--	.044	--	.127	--	.07
03-17-04	--	--	--	--	--	--	--	--	*.039*	--	*.127*	--	*.07*
03-19-04	--	--	--	--	--	--	.22	--	.044	--	.154	--	.06
03-19-04	--	--	--	--	--	--	*.99*	--	--	--	--	--	*.08*
03-22-04	--	--	--	--	--	--	.44	--	.048	--	.193	--	ND
03-22-04	--	--	--	--	--	--	--	--	--	--	--	--	--
03-25-04	--	--	--	--	--	--	.41	--	.031	--	.115	--	.06
03-25-04	--	--	--	--	--	--	--	--	--	--	*.122*	--	--
03-28-04	--	--	--	--	--	--	1.2	--	.147	--	.117	--	.34
03-28-04	--	--	--	--	--	--	--	--	--	--	*.299*	--	--
06-29-04	12.4	<.2	10.1	21.7	329	--	21	--	1.96	--	.554	--	1.46
06-29-04	--	--	--	--	--	--	--	--	--	--	--	--	--
06-30-04	--	--	--	--	--	--	17	--	.371	--	.509	--	.46
06-30-04	--	--	--	--	--	--	*19*	--	--	--	--	--	--
03-08-04	.52	<.2	1.79	.3	27	--	.84	--	.120	--	.089	--	.20
03-08-04	--	--	--	--	--	--	*.87*	--	*.123*	--	--	--	--
03-08-04	--	--	--	--	--	--	--	--	--	--	*.261*	--	--
03-10-04	--	--	--	--	--	--	.50	--	.096	--	.090	--	.14
03-22-04	--	--	--	--	--	--	.95	--	.249	--	.015	--	.05
06-29-04	--	--	--	--	--	--	12	--	.192	--	.140	--	.33
06-29-04	--	--	--	--	--	--	--	--	*.195*	--	--	--	--
06-29-04	--	--	--	--	--	--	--	--	--	--	--	--	--
12-08-03	3.89	<.2	1.62	.9	38	--	.72	--	.086	--	.154	--	.09
12-08-03	--	--	--	--	--	--	*.77*	--	--	--	--	--	--
12-08-03	--	--	--	--	--	--	--	--	--	--	--	--	--
03-19-04	3.77	<.2	2.58	1.0	46	--	.63	--	.134	--	.280	--	.06
03-22-04	--	--	--	--	--	--	2.0	--	1.26	--	.189	--	.81
03-22-04	--	--	--	--	--	--	--	--	--	--	--	--	--
12-08-03	--	--	--	--	--	--	.16	--	.010	--	.022	--	.02
12-08-03	--	--	--	--	--	--	*.32*	--	*.028*	--	--	--	--
12-12-03	--	--	--	--	--	--	.28	--	.020	--	.069	--	.02
12-12-03	--	--	--	--	--	--	--	--	--	--	--	--	--
12-15-03	--	--	--	--	--	--	.06	--	.011	--	.038	--	.01
12-15-03	--	--	--	--	--	--	--	--	--	--	*.038*	--	--
12-15-03	--	--	--	--	--	--	--	--	--	--	--	--	*.02*
01-05-04	E.13	<.2	.11	<.2	<10	--	.08	--	.027	--	.042	--	.01
01-05-04	--	--	--	--	--	--	--	--	--	--	*.292*	--	--
03-27-04	--	--	--	--	--	--	.42	--	.097	--	.054	--	.01
03-27-04	--	--	--	--	--	--	--	--	--	--	--	--	*.02*

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, fltrd, mg/L (00681)	Iron (bio reactive), water, fltrd, ug/L (63673)	Iron (bio reactive), water, unfltrd ug/L (46568)	Iron, water, fltrd, ug/L (01046)	Manganese, water, fltrd, ug/L (01056)	Suspended sediment concentration mg/L (80154)
04-27-04	.013	--	--	111	--	134	7.0	--
04-27-04	--	--	--	*118*	--	--	--	--
04-27-04	--	--	--	--	--	--	--	--
07-29-04	.016	--	1.2	34	--	33	1.6	--
05-03-04	--	.032	21.3	--	460	138	5.1	--
05-03-04	--	--	--	--	--	--	--	--
05-03-04	--	.030	2.8	--	426	101	3.4	--
05-03-04	--	--	--	--	--	--	--	--
07-29-04	.018	--	1.7	69	--	69	2.6	--
07-29-04	--	--	1.8	--	--	--	--	--
12-08-03	--	.113	5.5	--	969	86	8.8	102
12-08-03	--	--	--	--	--	--	--	--
12-08-03	--	--	--	--	*5,840*	--	--	--
01-12-04	.021	--	18.1	50	--	20	27.1	232
01-12-04	*.021*	--	--	--	--	--	--	--
03-08-04	--	.138	6.5	--	1,720	20	11.3	65
03-08-04	--	--	--	--	--	--	--	--
03-10-04	--	.107	--	--	604	--	--	25
03-10-04	--	*.109*	--	--	--	--	--	--
03-10-04	--	--	--	--	--	--	--	--
03-12-04	--	.106	--	--	657	--	--	27
03-12-04	--	*.245*	--	--	--	--	--	--
03-17-04	--	.090	--	--	349	--	--	15
03-17-04	--	--	--	--	--	--	--	--
03-19-04	--	.068	--	--	296	--	--	12
03-19-04	--	--	--	--	--	--	--	--
03-22-04	--	.073	--	--	286	--	--	9
03-22-04	--	--	--	--	*1,200*	--	--	--
03-25-04	--	.076	--	--	257	--	--	8
03-25-04	--	--	--	--	--	--	--	--
03-28-04	--	.312	--	--	2,380	--	--	131
03-28-04	--	--	--	--	--	--	--	--
06-29-04	--	3.09	233	--	19,800	783	429	--
06-29-04	--	*3.23*	--	--	--	--	--	--
06-30-04	--	1.89	--	--	11,900	--	--	--
06-30-04	--	--	--	--	--	--	--	--
03-08-04	--	.342	3.5	--	3,710	26	9.0	174
03-08-04	--	--	--	--	--	--	--	--
03-08-04	--	--	--	--	--	--	--	--
03-10-04	--	.256	--	--	1,810	--	--	89
03-22-04	--	.072	--	--	754	--	--	4
06-29-04	--	1.27	--	--	3,110	--	--	--
06-29-04	--	--	--	--	--	--	--	--
06-29-04	--	*1.85*	--	--	--	--	--	--
12-08-03	--	.123	6.1	--	681	50	22.6	23
12-08-03	--	--	--	--	--	--	--	--
12-08-03	--	--	--	--	--	--	--	--
03-19-04	--	.100	3.5	--	12,100	40	8.2	23
03-22-04	--	.847	--	--	642	--	--	--
03-22-04	--	--	--	--	*582*	--	--	--
12-08-03	--	.026	--	--	94	--	--	--
12-08-03	--	--	--	--	--	--	--	--
12-12-03	--	.022	--	--	42	--	--	--
12-12-03	--	*.023*	--	--	--	--	--	--
12-15-03	--	.006	--	--	57	--	--	--
12-15-03	--	--	--	--	--	--	--	--
12-15-03	--	*.036*	--	--	--	--	--	--
01-05-04	--	.006	.7	--	49	14	2.9	--
01-05-04	--	--	--	--	--	--	--	--
03-27-04	--	.036	--	--	71	--	--	--
03-27-04	--	--	--	--	--	--	--	--

Remark codes used in this table:
< -- Less than
E -- Estimated value
ND -- Not detected.

[1] Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

QUALITY OF GROUND WATER

COLD CREEK MONITORING PROJECT

Chemical analyses of water samples collected periodically from shallow wells drilled in the vicinity of a storm-water detention basin are listed in the following table. Water samples were collected prior to and after construction of the Cattleman's Detention Basin to characterize shallow ground water in the vicinity of the proposed detention basin. The project is in cooperation with El Dorado County Department of Transportation and is being done to determine effects from placing storm water in the detention basin on nutrient and sediment loads to nearby Cold Creek and Lake Tahoe.

Depths and Water Levels: Depths are referenced to land-surface datum (LSD).
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WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Station name	Date	Time	Sample type	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)
385432119574001	090 N12 E18 11BBAA2 COLD CREEK 01	10-29-03	0830	Environmental	5.55	--
		04-27-04	0930	Environmental	5.55	--
		07-29-04	1100	Environmental	5.55	--
		07-29-04	*1101*	***Other QA***	*5.55*	--
385432119574002	090 N12 E18 11BBAA3 COLD CREEK 02	10-29-03	0900	Environmental	6.75	--
		04-27-04	1030	Environmental	6.75	--
		07-29-04	1130	Environmental	6.75	--
		07-29-04	*1131*	***Other QA***	*6.75*	--
385432119574301	090 N12 E18 11BBAA4 COLD CREEK 03 SHALLOW	10-28-03	1200	Environmental	10.2	--
		04-20-04	1130	Environmental	10.2	--
		04-20-04	*1131*	***Other QA***	*10.2*	--
		07-20-04	1200	Environmental	10.2	--
		07-20-04	*1201*	***Other QA***	*10.2*	--
385432119574302	090 N12 E18 11BBAA5 COLD CREEK 03 DEEP	10-28-03	1300	Environmental	15.1	--
		10-28-03	*1330*	***Blank***	*15.1*	--
		10-28-03	*1331*	***Other QA***	*15.1*	--
		04-20-04	1330	Environmental	15.1	--
		07-20-04	1030	Environmental	15.1	--
		07-20-04	1045	Environmental	15.1	--
385432119574303	090 N12 E18 11BBAB1 COLD CREEK 08 SHALLOW	10-22-03	1145	Environmental	9.2	--
		10-22-03	*1146*	***Other QA***	*9.2*	--
		04-22-04	1000	Environmental	9.2	--
		07-12-04	1130	Environmental	9.2	--
		07-12-04	*1131*	***Other QA***	*9.2*	--
385432119574304	090 N12 E18 11BBAB2 COLD CREEK 08 DEEP	10-22-03	1300	Environmental	14.95	--
		10-22-03	*1301*	***Other QA***	*14.95*	--
		04-21-04	1330	Environmental	14.95	--
		07-12-04	1300	Environmental	14.95	--
		07-12-04	*1302*	***Other QA***	*14.95*	--
		07-22-04	1000	Environmental	14.95	--
385432119574305	090 N12 E18 11BBAA6 COLD CREEK 09	10-22-03	1045	Environmental	9.9	--
		04-20-04	*0915*	***Blank***	*9.9*	--
		04-20-04	1000	Environmental	9.9	--
		04-20-04	*1001*	***Other QA***	*9.9*	--
		07-12-04	1000	Environmental	9.9	--
		07-12-04	*1001*	***Other QA***	*9.9*	--
385432119574306	090 N12 E18 11BBAA8 COLD CREEK MP3B	07-21-04	1630	Environmental	5.	2.10
385432119574307	090 N12 E18 11BBAA9 COLD CREEK MP3D	07-22-04	1000	Environmental	9.	2.00
385432119574401	090 N12 E18 11BBAB3 COLD CREEK 15	10-28-03	1100	Environmental	10.2	--
		04-26-04	1000	Environmental	10.2	--
		04-26-04	*1001*	***Other QA***	*10.2*	--
		07-15-04	1330	Environmental	10.2	--
		07-15-04	*1331*	***Other QA***	*10.2*	--
385432119574501	090 N12 E18 11BBAB4 COLD CREEK 20	10-27-03	1000	Environmental	7.15	--
		10-27-03	*1001*	***Other QA***	*7.15*	--
		10-27-03	*1002*	***Other QA***	*7.15*	--
		04-23-04	1030	Environmental	7.15	--
		07-26-04	1400	Environmental	7.15	--
		07-26-04	*1402*	***Other QA***	*7.15*	--
385432119574601	090 N12 E18 11CCDC12 COLD CREEK 21	10-28-03	1000	Environmental	4.95	--
		10-28-03	*1001*	***Other QA***	*4.95*	--
		04-26-04	1100	Environmental	4.95	--
		07-15-04	1000	Environmental	4.95	--
		07-15-04	*1001*	***Other QA***	*4.95*	--
385432119574701	090 N12 E18 11BBAB5 COLD CREEK 24	10-27-03	0900	Environmental	5.5	--
		04-28-04	0900	Environmental	5.5	--
		07-26-04	1300	Environmental	5.5	--
		07-26-04	*1301*	***Other QA***	*5.5*	--
		07-26-04	*1302*	***Other QA***	*5.5*	--
385433119574201	090 N12 E18 02CCDD1 COLD CREEK 04	10-29-03	0930	Environmental	10.2	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Flow rate, instantaneous gal/min (00059)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)
10-29-03	.04	610	--	--	6.8	673	15.0	12.0	--	--	--	--	--
04-27-04	.05	614	--	--	5.8	188	19.0	8.0	--	--	--	--	--
07-29-04	--	611	--	--	5.5	31	--	--	--	--	--	--	--
07-29-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-29-03	.10	610	--	--	7.0	328	15.0	14.5	--	--	--	--	--
04-27-04	.10	614	--	--	5.7	248	19.0	8.0	--	--	--	--	--
07-29-04	--	611	--	--	5.0	166	--	--	--	--	--	--	--
07-29-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-28-03	.05	613	--	--	6.2	262	17.0	13.5	12.0	1.95	2.93	22.1	109
04-20-04	.10	609	--	--	5.9	314	--	4.5	17.3	2.68	2.57	18.7	105
04-20-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-20-04	.10	612	--	--	6.1	305	23.0	13.0	15.7	2.18	2.92	24.2	99
07-20-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-28-03	.10	613	.4	5	6.3	233	19.0	13.0	10.8	2.11	2.68	30.6	76
10-28-03	--	--	--	--	--	--	--	--	*.09*	*E.007*	*<.16*	*<.10*	--
10-28-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-20-04	.10	609	.5	5	6.0	402	7.0	5.2	12.0	2.65	2.67	56.9	52
07-20-04	>.10	612	--	--	5.8	373	23.0	16.0	16.6	2.86	2.91	53.3	68
07-20-04	--	--	--	--	--	--	--	--	17.1	2.96	2.95	55.7	--
10-22-03	.10	--	--	--	6.1	446	19.0	13.0	26.8	4.46	7.47	13.9	164
10-22-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-22-04	.10	610	--	--	6.0	475	.0	5.0	25.6	4.44	6.15	15.5	178
07-12-04	>.10	610	.6	7	6.1	480	24.5	15.2	24.6	3.93	6.58	13.3	160
07-12-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-22-03	.10	614	.5	6	6.3	161	21.0	10.5	9.62	1.53	1.74	14.1	60
10-22-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-21-04	.10	608	.8	8	6.1	138	5.5	9.1	8.39	1.31	1.30	10.4	56
07-12-04	.10	610	.3	4	6.1	150	24.0	18.0	8.43	1.31	1.30	10.9	55
07-12-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-22-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-22-03	.10	614	.5	6	6.3	178	--	10.0	6.84	1.19	2.29	25.3	69
04-20-04	--	--	--	--	--	--	--	--	*.07*	*E.006*	*<.16*	*E.06*	--
04-20-04	.10	609	.3	4	5.9	319	--	7.5	10.7	1.81	2.67	35.7	56
04-20-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-12-04	>.10	610	.7	10	5.7	300	24.0	20.0	8.99	1.55	2.44	34.7	76
07-12-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-21-04	.10	611	1.2	14	6.3	121	28.1	10.7	--	--	--	--	48
07-22-04	.10	611	1.1	12	6.4	116	23.5	10.7	--	--	--	--	52
10-28-03	.10	613	.4	4	6.2	198	17.0	11.8	5.26	.989	1.69	28.6	77
04-26-04	.10	615	.7	8	5.9	587	--	8.1	11.3	1.91	1.87	28.5	79
04-26-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-15-04	.10	613	.6	6	6.0	312	23.5	12.1	9.08	1.57	2.15	32.5	84
07-15-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-27-03	.10	615	--	--	6.0	333	14.0	14.0	--	--	--	--	--
10-27-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-27-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-23-04	.10	615	--	--	6.0	285	19.0	9.5	--	--	--	--	--
07-26-04	--	611	--	--	6.0	262	--	16.0	--	--	--	--	--
07-26-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-28-03	.10	613	.4	5	6.6	328	12.5	12.0	17.7	3.58	1.85	24.8	96
10-28-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-26-04	.10	615	.5	5	5.7	346	--	8.3	22.9	4.91	2.51	31.1	60
07-15-04	>.10	613	1.9	22	6.4	367	22.0	14.0	21.7	4.05	2.09	24.8	86
07-15-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-27-03	.10	615	--	--	5.6	259	13.0	10.0	--	--	--	--	--
04-28-04	--	615	--	--	4.8	142	9.5	7.0	--	--	--	--	--
07-26-04	.10	611	--	--	4.9	266	--	13.0	--	--	--	--	--
07-26-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-26-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-29-03	.10	610	--	--	6.9	91	14.0	13.5	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Organic carbon, water, fltrd, mg/L (00681)
10-29-03	--	--	--	--	--	--	--	.56	.232	.024	.069	.084	--
04-27-04	--	--	--	--	--	--	--	.76	.568	.017	.006	.087	--
07-29-04	--	--	--	--	--	--	--	.34	.267	.028	.133	.143	--
07-29-04	--	--	--	--	--	--	--	--	--	*.030*	--	--	--
10-29-03	--	--	--	--	--	--	--	.15	.007	.133	.015	.015	--
04-27-04	--	--	--	--	--	--	--	.17	.059	.158	.003	.009	--
07-29-04	--	--	--	--	--	--	--	.04	.012	.250	.008	.028	--
07-29-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-28-03	134	<.03	16.2	<.2	15.3	.3	164	3.2	2.41	.082	.128	.131	9.6
04-20-04	128	.08	29.1	<.2	13.5	4.2	192	2.7	2.37	.006	.005	.087	6.4
04-20-04	--	--	--	--	--	--	--	--	--	*.007*	--	--	--
07-20-04	121	<.08	30.1	<.2	14.5	.5	162	2.8	2.26	.019	.011	.100	7.6
07-20-04	--	--	--	--	--	--	--	*2.7*	--	--	--	--	--
10-28-03	93	.02	33.8	<.2	16.2	1.1	148	.48	.266	.041	.037	.044	3.5
10-28-03	--	*<.02*	*<.20*	*<.2*	*E.02*	*<.2*	*<10*	*.06*	*.008*	*.004*	*.002*	*.001*	*V24.3*
10-28-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-20-04	63	.04	83.7	<.2	12.5	5.7	216	.35	.154	.116	.010	.018	3.4
07-20-04	83	<.08	75.5	<.2	18.1	1.1	219	.41	.237	.040	.004	.020	3.3
07-20-04	--	.02	78.3	<.2	18.2	1.1	214	--	--	--	--	--	3.2
10-22-03	199	.30	46.6	<.2	23.7	E.1	251	16	14.7	.180	.198	.212	14.1
10-22-03	--	--	--	--	--	--	--	--	--	--	--	*.211*	--
04-22-04	217	.18	47.2	<.2	19.7	.2	294	13	11.0	.018	.006	.209	13.4
07-12-04	195	<.02	43.2	<.2	22.0	E.1	293	15	13.3	.039	.004	.223	12.2
07-12-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-22-03	73	.09	13.7	<.2	23.4	.4	101	.17	.158	.098	.055	.055	1.1
10-22-03	--	--	--	--	--	--	--	--	*.158*	--	--	--	--
04-21-04	69	.08	8.79	<.2	19.7	.7	92	.50	.070	.011	.006	.059	.9
07-12-04	67	<.02	10.3	<.2	21.0	1.1	96	.19	.075	.002	.006	.074	.7
07-12-04	--	--	--	--	--	--	--	--	--	*.034*	*.015*	*.129*	--
07-22-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-22-03	84	--	18.4	<.2	13.4	<.2	119	.54	.270	.045	.200	.204	6.2
04-20-04	--	*<.02*	*E.11*	*<.2*	*E.02*	*<.2*	*<10*	--	--	--	--	--	*.6*
04-20-04	68	.05	63.1	<.2	10.9	E.1	188	.56	.403	.007	.005	.146	3.8
04-20-04	--	--	--	--	--	--	--	--	--	*.007*	--	--	--
07-12-04	93	<.02	44.5	<.2	14.8	<.2	181	.37	.350	.011	.007	.184	3.1
07-12-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-21-04	59	--	--	--	--	--	--	.22	.110	.001	.001	.109	.9
07-22-04	63	--	--	--	--	--	--	.16	.072	.005	.004	.138	.7
10-28-03	94	.41	21.3	<.2	14.2	<.2	131	1.4	1.13	.051	.220	.246	7.7
04-26-04	96	.15	57.5	<.2	13.5	<.2	195	1.6	1.13	.005	.006	.162	3.9
04-26-04	--	--	--	--	--	--	--	--	--	--	--	*.165*	--
07-15-04	102	E.01	43.4	<.2	13.6	<.2	170	1.1	1.20	.003	.004	.193	4.1
07-15-04	--	--	--	--	--	--	--	--	--	--	*.003*	*.195*	--
10-27-03	--	--	--	--	--	--	--	1.1	.032	.097	.021	.023	--
10-27-03	--	--	--	--	--	--	--	--	--	--	*.021*	--	--
10-27-03	--	--	--	--	--	--	--	--	*.075*	*.339*	--	*.076*	--
04-23-04	--	--	--	--	--	--	--	.55	.049	.061	.049	.073	--
07-26-04	--	--	--	--	--	--	--	.31	.036	.027	.029	.035	--
07-26-04	--	--	--	--	--	--	--	--	*.054*	--	--	--	--
10-28-03	117	.06	48.1	<.2	27.4	.2	210	.76	.545	.113	.139	.145	4.5
10-28-03	--	--	--	--	--	--	--	*.76*	--	--	--	--	--
04-26-04	73	.03	68.1	<.2	22.0	.4	228	.71	.412	.025	.012	.018	6.1
07-15-04	105	E.02	58.9	<.2	26.3	.4	250	.68	.557	.002	.001	.069	4.4
07-15-04	--	--	--	--	--	--	--	--	*.550*	--	--	--	--
10-27-03	--	--	--	--	--	--	--	.23	.005	.014	.035	.036	--
04-28-04	--	--	--	--	--	--	--	.24	.008	.168	.006	.014	--
07-26-04	--	--	--	--	--	--	--	.21	.004	.033	.020	.025	--
07-26-04	--	--	--	--	--	--	--	--	*.004*	--	--	--	--
07-26-04	--	--	--	--	--	--	--	--	--	--	--	*.053*	--
10-29-03	--	--	--	--	--	--	--	.21	.066	.013	.062	.063	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Iron (bio reac-tive), water, fltrd, ug/L (63673)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)
10-29-03	4,910	--	--
04-27-04	18,100	--	--
07-29-04	4,340	--	--
07-29-04	--	--	--
10-29-03	160	--	--
04-27-04	680	--	--
07-29-04	129	--	--
07-29-04	*129*	--	--
10-28-03	20,600	18,800	875
04-20-04	30,600	27,000	1,180
04-20-04	--	--	--
07-20-04	25,400	21,400	954
07-20-04	--	--	--
10-28-03	9,170	8,770	266
10-28-03	*99*	*<6*	*<.8*
10-28-03	*297*	--	--
04-20-04	1,450	1,230	111
07-20-04	6,370	6,890	210
07-20-04	--	7,000	208
10-22-03	47,400	45,900	790
10-22-03	--	--	--
04-22-04	63,600	53,700	1,090
07-12-04	E43,600	45,400	801
07-12-04	*E37,800*	--	--
10-22-03	13,100	11,900	240
10-22-03	--	--	--
04-21-04	12,600	11,100	213
07-12-04	9,790	10,000	187
07-12-04	*14,100*	--	--
07-22-04	--	--	--
10-22-03	14,700	13,300	229
04-20-04	--	*14*	*<.8*
04-20-04	20,900	18,700	299
04-20-04	--	--	--
07-12-04	E15,300	16,900	253
07-12-04	*E13,300*	--	--
07-21-04	9,690	--	--
07-22-04	10,600	--	--
10-28-03	13,900	13,900	209
04-26-04	30,300	27,500	398
04-26-04	*30,300*	--	--
07-15-04	18,800	21,900	302
07-15-04	--	--	--
10-27-03	5,750	--	--
10-27-03	--	--	--
10-27-03	--	--	--
04-23-04	9,820	--	--
07-26-04	7,230	--	--
07-26-04	--	--	--
10-28-03	28,300	27,700	306
10-28-03	--	--	--
04-26-04	2,170	1,770	246
07-15-04	E16,000	23,400	319
07-15-04	--	--	--
10-27-03	5,190	--	--
04-28-04	1,740	--	--
07-26-04	2,510	--	--
07-26-04	--	--	--
07-26-04	--	--	--
10-29-03	4,190	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Station name	Date	Time	Sample type	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)
385433119574201	*090 N12 E18 02CCDD1 COLD CREEK 04*	*10-29-03*	*0932*	***Other QA***	*10.2*	--
		04-28-04	1330	Environmental	10.2	--
		07-26-04	0930	Environmental	10.2	--
385433119574202	090 N12 E18 02CCDD2 COLD CREEK 05	10-29-03	1130	Environmental	10.2	--
		04-28-04	1300	Environmental	10.2	--
		07-26-04	1000	Environmental	10.2	--
		07-26-04	*1002*	***Other QA***	*10.2*	--
385433119574203	090 N12 E18 02CCDD5 COLD CREEK 07	10-29-03	1100	Environmental	4.97	--
		10-29-03	*1102*	***Other QA***	*4.97*	--
		04-28-04	1230	Environmental	4.97	--
		04-28-04	*1231*	***Replicate***	*4.97*	--
		07-26-04	1130	Environmental	4.97	--
		07-26-04	*1132*	***Other QA***	*4.97*	--
385433119574301	090 N12 E18 02CCDD3 COLD CREEK 06 SHALLOW	10-29-03	1000	Environmental	8.95	--
		04-28-04	1200	Environmental	8.95	--
		04-28-04	*1202*	***Other QA***	*8.95*	--
		07-26-04	1030	Environmental	8.95	--
		07-26-04	*1032*	***Other QA***	*8.95*	--
385433119574302	090 N12 E18 02CCDD4 COLD CREEK 06 DEEP	10-29-03	1030	Environmental	15.	--
		04-28-04	1130	Environmental	15.	--
		04-28-04	*1132*	***Other QA***	*15.*	--
		07-26-04	1100	Environmental	15.	--
385433119574303	090 N12 E18 02CCDD6 COLD CREEK 10	10-23-03	1200	Environmental	10.2	--
		04-26-04	1330	Environmental	10.2	--
		07-14-04	1200	Environmental	10.2	--
385433119574304	090 N12 E18 02CCDD8 COLD CREEK MP2B	07-21-04	1215	Environmental	4.	2.20
385433119574305	090 N12 E18 02CCDD9 COLD CREEK MP2D	07-21-04	1500	Environmental	9.	2.30
385433119574401	090 N12 E18 02CCDC2 COLD CREEK 13 SHALLOW	10-24-03	1000	Environmental	10.2	--
		04-21-04	1000	Environmental	10.2	--
		04-21-04	*1001*	***Other QA***	*10.2*	--
		07-15-04	1130	Environmental	10.2	--
385433119574402	090 N12 E18 02CCDC3 COLD CREEK 13 DEEP	10-24-03	1100	Environmental	15.25	--
		10-24-03	*1101*	***Other QA***	*15.25*	--
		04-21-04	1100	Environmental	15.25	--
		04-21-04	*1101*	***Other QA***	*15.25*	--
		07-15-04	1230	Environmental	15.25	--
	090 N12 E18 02CCDC3 COLD CREEK 13 DEEP	*07-15-04*	*1231*	***Other QA***	*15.25*	--
385433119574403	090 N12 E18 02CCDC4 COLD CREEK 14	10-24-03	1200	Environmental	5.48	--
		10-24-03	*1201*	***Other QA***	*5.48*	--
		04-21-04	1230	Environmental	5.48	--
		04-21-04	*1232*	***Other QA***	*5.48*	--
		07-14-04	1300	Environmental	5.48	--
385433119574404	090 N12 E18 02CCDC5 COLD CREEK 16	10-29-03	1200	Environmental	7.15	--
		10-29-03	*1201*	***Other QA***	*7.15*	--
		10-29-03	*1202*	***Other QA***	*7.15*	--
		04-23-04	0900	Environmental	7.15	--
		07-28-04	0930	Environmental	7.15	--
		07-28-04	*0931*	***Other QA***	*7.15*	--
385433119574405	090 N12 E18 02CCDC15 COLD CREEK MP1B	07-20-04	1555	Environmental	5.	2.60
		07-20-04	*1557*	***Other QA***	*5.*	--
385433119574406	090 N12 E18 02CCDC16 COLD CREEK MP1D	07-21-04	1055	Environmental	8.	2.80
385433119574501	090 N12 E18 02CCDC6 COLD CREEK 17 SHALLOW	10-27-03	1200	Environmental	6.66	--
		10-27-03	*1202*	***Other QA***	*6.66*	--
		04-23-04	0930	Environmental	6.66	--
		07-28-04	1015	Environmental	6.66	--
385433119574502	090 N12 E18 02CCDC7 COLD CREEK 17 DEEP	10-27-03	1230	Environmental	10.65	--
		04-23-04	1000	Environmental	10.65	--
		04-23-04	*1002*	***Other QA***	*10.65*	--
		07-28-04	1100	Environmental	10.65	--
385433119574503	090 N12 E18 02CCDC8 COLD CREEK 18	10-27-03	1030	Environmental	5.08	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Flow rate, instantaneous gal/min (00059)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)
10-29-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-28-04	.10	615	--	--	6.3	118	17.0	7.5	--	--	--	--	--
07-26-04	.10	611	--	--	6.6	108	--	9.0	--	--	--	--	--
10-29-03	.10	610	--	--	6.8	205	14.0	14.5	--	--	--	--	--
04-28-04	.10	615	--	--	6.1	254	17.0	7.0	--	--	--	--	--
07-26-04	.10	611	--	--	6.1	163	--	13.0	--	--	--	--	--
07-26-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-29-03	.10	610	--	--	7.2	91	14.0	14.0	--	--	--	--	--
10-29-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-28-04	.10	615	--	--	--	--	--	--	--	--	--	--	--
04-28-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-26-04	>.10	611	--	--	5.7	98	--	--	--	--	--	--	--
07-26-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-29-03	.10	610	--	--	7.0	215	14.0	15.0	--	--	--	--	--
04-28-04	.10	615	--	--	5.8	280	17.0	8.0	--	--	--	--	--
04-28-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-26-04	.10	611	--	--	5.9	263	--	12.5	--	--	--	--	--
07-26-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-29-03	.10	610	--	--	7.0	107	14.0	14.0	--	--	--	--	--
04-28-04	.10	615	--	--	6.0	121	17.0	8.0	--	--	--	--	--
04-28-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-26-04	--	611	--	--	6.0	108	--	10.5	--	--	--	--	--
10-23-03	.10	615	--	--	6.0	157	11.5	14.5	8.37	1.30	3.65	14.7	63
04-26-04	.10	615	--	--	5.8	169	19.0	10.0	5.24	.774	2.79	19.4	37
07-14-04	>.10	610	--	--	5.8	173	24.0	17.0	5.78	.905	2.76	16.9	46
07-21-04	.10	611	1.3	17	6.2	140	25.5	16.5	--	--	--	--	69
07-21-04	.10	611	1.2	15	6.1	150	27.5	14.0	--	--	--	--	56
10-24-03	.10	615	.7	7	6.1	189	5.0	8.7	9.98	1.54	1.91	18.1	70
04-21-04	.20	608	.5	5	6.0	180	6.0	5.8	9.42	1.50	1.51	14.1	75
04-21-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-15-04	>.10	613	.6	7	5.8	196	23.0	11.5	8.97	1.38	1.68	14.9	65
10-24-03	.10	615	.2	2	6.3	206	7.5	11.5	11.7	1.49	1.85	20.0	85
10-24-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-21-04	.10	608	.5	5	6.4	191	6.0	6.9	11.4	1.36	1.53	13.5	76
04-21-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-15-04	>.10	613	1.0	11	6.1	210	22.0	11.0	11.0	1.34	1.51	15.0	78
07-15-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-24-03	.10	615	2.1	25	5.9	222	11.0	13.0	12.0	1.83	3.13	21.6	84
10-24-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-21-04	.10	608	--	--	5.6	149	6.0	--	12.2	1.81	2.12	13.8	71
04-21-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-14-04	>.10	610	--	--	5.7	190	24.0	17.0	9.32	1.37	2.72	20.5	66
10-29-03	.10	610	--	--	6.8	304	13.0	15.0	--	--	--	--	--
10-29-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-29-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-23-04	.10	615	--	--	6.1	314	19.0	7.0	--	--	--	--	--
07-28-04	.10	611	--	--	5.9	318	--	14.0	--	--	--	--	--
07-28-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-20-04	.10	611	.2	3	6.0	260	27.0	13.8	--	--	--	--	90
07-20-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-21-04	.10	611	1.0	12	6.2	171	23.5	12.5	--	--	--	--	55
10-27-03	.10	615	--	--	6.1	348	--	14.5	--	--	--	--	--
10-27-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-23-04	.05	615	--	--	6.1	372	19.0	8.0	--	--	--	--	--
07-28-04	<.01	611	--	--	6.0	336	--	14.5	--	--	--	--	--
10-27-03	.10	615	--	--	--	207	14.0	14.0	--	--	--	--	--
04-23-04	.10	610	--	--	6.2	259	19.0	7.5	--	--	--	--	--
04-23-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-28-04	.10	611	--	--	6.0	230	--	11.0	--	--	--	--	--
10-27-03	.10	615	--	--	6.1	230	14.0	9.0	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Organic carbon, water, fltrd, mg/L (00681)
10-29-03	--	--	--	--	--	--	--	--	--	--	*.168*	--	--
04-28-04	--	--	--	--	--	--	--	.08	.021	.015	.004	.038	--
07-26-04	--	--	--	--	--	--	--	.31	.079	.013	.052	.057	--
10-29-03	--	--	--	--	--	--	--	.63	.482	.060	.096	.096	--
04-28-04	--	--	--	--	--	--	--	.70	.487	.010	.005	.077	--
07-26-04	--	--	--	--	--	--	--	.40	.402	.013	.008	.104	--
07-26-04	--	--	--	--	--	--	--	--	--	*.032*	--	--	--
10-29-03	--	--	--	--	--	--	--	.09	.005	.030	.069	.077	--
10-29-03	--	--	--	--	--	--	--	--	--	--	*.168*	--	--
04-28-04	--	--	--	--	--	--	--	.15	.014	.002	.004	.070	--
04-28-04	--	--	--	--	--	--	--	*.14*	*.014*	--	--	--	--
07-26-04	--	--	--	--	--	--	--	.64	.013	.013	.039	.044	--
07-26-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-29-03	--	--	--	--	--	--	--	.48	.481	.060	.098	.100	--
04-28-04	--	--	--	--	--	--	--	.33	.115	.024	.018	.024	--
04-28-04	--	--	--	--	--	--	--	--	--	*.145*	*.036*	*.084*	--
07-26-04	--	--	--	--	--	--	--	.37	.265	.010	.008	.132	--
07-26-04	--	--	--	--	--	--	--	--	--	--	*.019*	--	--
10-29-03	--	--	--	--	--	--	--	.08	.021	.067	.005	.006	--
04-28-04	--	--	--	--	--	--	--	.11	.057	.010	.003	.007	--
04-28-04	--	--	--	--	--	--	--	--	--	*.244*	--	--	--
07-26-04	--	--	--	--	--	--	--	.08	.015	.080	.002	.010	--
10-23-03	77	.29	13.6	<.2	15.5	<.2	105	.66	.382	.060	.105	.108	7.1
04-26-04	45	.17	29.4	<.2	8.53	.7	113	.53	.260	.030	.075	.086	5.4
07-14-04	56	.10	20.0	<.2	14.0	E.1	93	.47	.287	.050	.094	.102	4.8
07-21-04	84	--	--	--	--	--	--	2.4	2.16	.002	.012	.170	3.7
07-21-04	68	--	--	--	--	--	--	.36	.177	.006	.001	.023	.9
10-24-03	85	.02	21.1	<.2	19.4	<.2	134	1.0	.740	.060	.146	.156	2.5
04-21-04	92	.06	13.3	<.2	17.5	<.2	112	.87	.900	.003	.011	.140	2.2
04-21-04	--	--	--	--	--	--	--	--	--	--	*.011*	--	--
07-15-04	80	E.01	18.3	<.2	19.1	<.2	120	.70	.681	.001	.011	.151	1.9
10-24-03	104	.04	20.6	<.2	24.8	.2	160	.56	.580	.129	.159	.160	2.1
10-24-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-21-04	93	.10	13.3	<.2	23.4	.3	130	.44	.324	.035	.008	.129	1.6
04-21-04	--	--	--	--	--	--	--	*.49*	--	--	--	--	--
07-15-04	95	<.02	15.1	<.2	23.6	.2	135	.47	.417	.014	.015	.162	1.7
07-15-04	--	--	--	--	--	--	--	--	--	*.015*	--	--	--
10-24-03	102	.09	24.2	<.2	20.6	1.2	175	2.1	.651	.083	.191	.191	8.6
10-24-03	--	--	--	--	--	--	--	*2.1*	--	--	--	*.193*	--
04-21-04	87	.09	20.4	<.2	23.9	3.1	161	.44	.268	.018	.011	.262	5.4
04-21-04	--	--	--	--	--	--	--	*1.1*	--	--	--	--	--
07-14-04	80	.28	29.4	<.2	16.6	.2	141	.80	.610	.014	.297	.324	8.8
10-29-03	--	--	--	--	--	--	--	1.9	1.57	.077	.066	.066	--
10-29-03	--	--	--	--	--	--	--	--	--	--	*.066*	--	--
10-29-03	--	--	--	--	--	--	--	*3.6*	--	--	--	--	--
04-23-04	--	--	--	--	--	--	--	1.4	1.22	.010	.007	.126	--
07-28-04	--	--	--	--	--	--	--	1.7	1.64	.021	.009	.137	--
07-28-04	--	--	--	--	--	--	--	--	*1.63*	--	--	--	--
07-20-04	110	--	--	--	--	--	--	1.0	.834	.009	.015	.171	3.2
07-20-04	--	--	--	--	--	--	--	*2.5*	--	--	--	--	--
07-21-04	67	--	--	--	--	--	--	.28	.164	ND	.012	.018	.9
10-27-03	--	--	--	--	--	--	--	.85	.014	.046	.010	.011	--
10-27-03	--	--	--	--	--	--	--	--	--	*.281*	--	*.070*	--
04-23-04	--	--	--	--	--	--	--	.21	.039	.019	.001	.009	--
07-28-04	--	--	--	--	--	--	--	.17	.012	.008	.002	.031	--
10-27-03	--	--	--	--	--	--	--	.13	.008	.191	.012	.017	--
04-23-04	--	--	--	--	--	--	--	.13	.018	.054	.001	.009	--
04-23-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-28-04	--	--	--	--	--	--	--	.08	.025	.159	.002	.017	--
10-27-03	--	--	--	--	--	--	--	2.3	.014	.029	.105	.120	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Iron (bio reac-tive), water, fltrd, ug/L (63673)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)
10-29-03	--	--	--
04-28-04	5,760	--	--
07-26-04	5,330	--	--
10-29-03	26,200	--	--
04-28-04	25,900	--	--
07-26-04	18,300	--	--
07-26-04	--	--	--
10-29-03	9,670	--	--
10-29-03	*14,900*	--	--
04-28-04	10,400	--	--
04-28-04	--	--	--
07-26-04	7,720	--	--
07-26-04	--	--	--
10-29-03	15,800	--	--
04-28-04	4,000	--	--
04-28-04	--	--	--
07-26-04	16,500	--	--
07-26-04	--	--	--
10-29-03	352	--	--
04-28-04	1,840	--	--
04-28-04	--	--	--
07-26-04	313	--	--
10-23-03	14,000	12,700	170
04-26-04	9,790	9,130	124
07-14-04	9,140	9,250	131
07-21-04	17,200	--	--
07-21-04	9,690	--	--
10-24-03	16,500	15,500	290
04-21-04	16,000	15,200	276
04-21-04	--	--	--
07-15-04	13,600	14,100	247
10-24-03	20,900	19,400	214
10-24-03	*20,400*	--	--
04-21-04	19,300	16,800	177
04-21-04	--	--	--
07-15-04	15,200	17,700	179
07-15-04	--	--	--
10-24-03	24,400	20,900	204
10-24-03	--	--	--
04-21-04	29,200	27,000	155
04-21-04	--	--	--
07-14-04	17,900	21,100	129
10-29-03	23,700	--	--
10-29-03	--	--	--
10-29-03	--	--	--
04-23-04	27,500	--	--
07-28-04	21,500	--	--
07-28-04	--	--	--
07-20-04	22,200	--	--
07-20-04	--	--	--
07-21-04	840	--	--
10-27-03	4,020	--	--
10-27-03	--	--	--
04-23-04	7,280	--	--
07-28-04	4,530	--	--
10-27-03	6,570	--	--
04-23-04	1,000	--	--
04-23-04	*5,610*	--	--
07-28-04	478	--	--
10-27-03	10,600	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Station name	Date	Time	Sample type	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)
385433119574503	*090 N12 E18 02CCDC8 COLD CREEK 18*	*10-27-03*	*1031*	***Other QA***	*5.08*	--
		04-28-04	1100	Environmental	5.08	--
		04-28-04	*1101*	***Other QA***	*5.08*	--
		04-28-04	*1102*	***Other QA***	*5.08*	--
		07-28-04	1200	Environmental	5.08	--
		07-28-04	*1201*	***Other QA***	*5.08*	--
		07-28-04	*1202*	***Other QA***	*5.08*	--
385433119574504	090 N12 E18 02CCDC9 COLD CREEK 19 SHALLOW	10-27-03	1100	Environmental	5.56	--
		04-28-04	1000	Environmental	5.56	--
		04-28-04	*1001*	***Other QA***	*5.56*	--
		07-28-04	1230	Environmental	5.56	--
		07-28-04	*1231*	***Other QA***	*5.56*	--
		07-28-04	*1232*	***Other QA***	*5.56*	--
385433119574505	090 N12 E18 02CCDC11 COLD CREEK 19 DEEP	10-27-03	1130	Environmental	10.	--
		04-28-04	1030	Environmental	10.	--
		07-28-04	1300	Environmental	10.	--
385433119574701	090 N12 E18 02CCDC13 COLD CREEK 22	10-27-03	0930	Environmental	5.57	--
		04-23-04	1100	Environmental	5.57	--
		07-26-04	1430	Environmental	5.57	--
385433119574702	090 N12 E18 02CCDC14 COLD CREEK 23	10-27-03	0830	Environmental	5.4	--
		10-27-03	*0832*	***Other QA***	*5.4*	--
		04-28-04	0930	Environmental	5.4	--
		04-28-04	*0932*	***Other QA***	*5.4*	--
		07-26-04	1330	Environmental	5.4	--
385433119574703	090 N12 E18 02CCDC17 COLD CREEK MP5B	07-22-04	1130	Environmental	6.	3.20
		07-22-04	*1131*	***Other QA***	*6.*	--
		07-22-04	*1132*	***Other QA***	*6.*	--
385433119574704	090 N12 E18 02CCDC18 COLD CREEK MP5D	07-22-04	1310	Environmental	10.2	3.20
		07-22-04	*1311*	***Other QA***	*10.2*	--
385434119574401	090 N12 E18 02CCDD7 COLD CREEK 11	10-23-03	1000	Environmental	5.65	--
		04-26-04	1230	Environmental	5.65	--
		04-26-04	*1232*	***Other QA***	*5.65*	--
		07-14-04	1015	Environmental	5.65	--
		07-14-04	*1017*	***Other QA***	*5.65*	--
385434119574402	090 N12 E18 02CCDC1 COLD CREEK 12	10-23-03	1100	Environmental	5.13	--
		10-23-03	*1101*	***Other QA***	*5.13*	--
		04-26-04	1130	Environmental	5.13	--
		04-26-04	*1131*	***Other QA***	*5.13*	--
		07-14-04	1100	Environmental	5.13	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Flow rate, instantaneous gal/min (00059)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)
10-27-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-28-04	--	615	--	--	--	--	17.0	--	--	--	--	--	--
04-28-04	--	--	--	--	--	--	--	--	--	--	--	--	--
04-28-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-28-04	>.10	611	--	--	6.2	222	--	13.0	--	--	--	--	--
07-28-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-28-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-27-03	.10	615	--	--	6.1	247	14.0	10.5	--	--	--	--	--
04-28-04	.10	615	--	--	5.4	146	17.0	6.5	--	--	--	--	--
04-28-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-28-04	.10	611	--	--	6.1	184	23.0	13.5	--	--	--	--	--
07-28-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-28-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-27-03	.05	615	--	--	6.2	319	14.0	10.5	--	--	--	--	--
04-28-04	.10	615	--	--	5.6	280	17.0	6.0	--	--	--	--	--
07-28-04	.10	611	--	--	6.3	306	23.0	13.5	--	--	--	--	--
10-27-03	--	615	--	--	5.9	287	13.5	10.0	--	--	--	--	--
04-23-04	.10	615	--	--	6.0	201	19.0	6.5	--	--	--	--	--
07-26-04	.10	611	--	--	5.8	236	--	11.0	--	--	--	--	--
10-27-03	.10	615	--	--	6.0	245	10.0	8.0	--	--	--	--	--
10-27-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-28-04	.10	615	--	--	5.2	187	17.0	7.0	--	--	--	--	--
04-28-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-26-04	>.10	611	--	--	5.9	47	--	--	--	--	--	--	--
07-22-04	.10	611	1.1	13	5.9	280	25.0	11.4	--	--	--	--	27
07-22-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-22-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-22-04	.10	611	1.2	14	6.3	222	26.5	10.7	--	--	--	--	46
07-22-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-23-03	.02	615	--	--	6.1	151	11.0	11.5	7.89	1.21	1.41	16.4	45
04-26-04	.10	615	--	--	6.0	386	18.0	9.0	15.8	2.30	1.74	36.4	49
04-26-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-14-04	--	610	--	--	5.8	198	21.0	14.0	7.55	1.16	1.35	25.5	46
07-14-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-23-03	.10	615	--	--	5.5	117	11.0	11.5	4.42	.697	.75	9.17	35
10-23-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-26-04	.10	615	--	--	5.8	333	18.0	8.5	8.81	1.27	1.14	15.9	42
04-26-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-14-04	>.10	610	--	--	5.5	200	--	13.5	4.88	.699	.66	9.86	41

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Organic carbon, water, fltrd, mg/L (00681)
10-27-03	--	--	--	--	--	--	--	--	*.015*	*.029*	--	--	--
04-28-04	--	--	--	--	--	--	--	.25	.014	.028	.057	.066	--
04-28-04	--	--	--	--	--	--	--	--	--	*.033*	*.057*	--	--
04-28-04	--	--	--	--	--	--	--	--	--	--	--	*.061*	--
07-28-04	--	--	--	--	--	--	--	.19	.029	.034	.110	.136	--
07-28-04	--	--	--	--	--	--	--	*.21*	--	--	--	--	--
07-28-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-27-03	--	--	--	--	--	--	--	1.2	.090	.058	.329	.329	--
04-28-04	--	--	--	--	--	--	--	.30	.017	.042	.059	.176	--
04-28-04	--	--	--	--	--	--	--	--	--	--	--	*.178*	--
07-28-04	--	--	--	--	--	--	--	.38	.031	.076	.306	.335	--
07-28-04	--	--	--	--	--	--	--	--	--	*.080*	--	--	--
07-28-04	--	--	--	--	--	--	--	*.66*	--	--	--	--	--
10-27-03	--	--	--	--	--	--	--	1.0	.053	.039	.121	.121	--
04-28-04	--	--	--	--	--	--	--	.30	.016	.017	.019	.099	--
07-28-04	--	--	--	--	--	--	--	.14	.050	.008	.001	.290	--
10-27-03	--	--	--	--	--	--	--	.38	.241	.064	.048	.050	--
04-23-04	--	--	--	--	--	--	--	.37	.124	.019	.001	.008	--
07-26-04	--	--	--	--	--	--	--	.32	.062	.026	.022	.028	--
10-27-03	--	--	--	--	--	--	--	.25	.033	.047	.114	.115	--
10-27-03	--	--	--	--	--	--	--	*.53*	--	--	--	--	--
04-28-04	--	--	--	--	--	--	--	.61	.003	.554	.011	.018	--
04-28-04	--	--	--	--	--	--	--	--	*.023*	--	--	--	--
07-26-04	--	--	--	--	--	--	--	.21	.005	.015	.305	.329	--
07-22-04	33	--	--	--	--	--	--	.30	.016	.001	.017	.029	3.3
07-22-04	--	--	--	--	--	--	--	--	--	--	*.017*	*.027*	--
07-22-04	--	--	--	--	--	--	--	--	*.033*	*.034*	--	--	--
07-22-04	56	--	--	--	--	--	--	.57	.255	.003	.025	.132	2.9
07-22-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-23-03	55	.23	20.9	<.2	19.2	<.2	98	.45	.321	.040	.089	.090	4.0
04-26-04	60	.10	87.4	<.2	17.3	.2	256	.75	.358	.002	.006	.072	4.4
04-26-04	--	--	--	--	--	--	--	--	--	--	*.025*	--	--
07-14-04	56	.15	35.8	<.2	18.2	E.1	138	.50	.294	.004	.032	.115	4.3
07-14-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-23-03	43	.38	9.12	<.2	17.2	.2	77	.54	.191	.064	.186	.200	4.9
10-23-03	--	--	--	--	--	--	--	--	--	*.068*	--	--	--
04-26-04	51	.06	34.4	<.2	16.5	.3	150	.74	.371	.004	.005	.152	7.9
04-26-04	--	--	--	--	--	--	--	--	*.371*	--	--	--	--
07-14-04	50	.18	11.5	<.2	17.9	.4	81	.53	.124	.062	.186	.206	7.1

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Iron (bio reac- tive), water, fltrd, ug/L (63673)	Iron, water, fltrd, ug/L (01046)	Mangan- ese, water, fltrd, ug/L (01056)
10-27-03	--	--	--
04-28-04	3,210	--	--
04-28-04	--	--	--
04-28-04	--	--	--
07-28-04	9,570	--	--
07-28-04	--	--	--
07-28-04	--	--	--
10-27-03	19,600	--	--
04-28-04	10,300	--	--
04-28-04	--	--	--
07-28-04	17,500	--	--
07-28-04	--	--	--
07-28-04	--	--	--
10-27-03	8,850	--	--
04-28-04	14,000	--	--
07-28-04	12,000	--	--
10-27-03	18,500	--	--
04-23-04	3,140	--	--
07-26-04	10,600	--	--
10-27-03	11,600	--	--
10-27-03	--	--	--
04-28-04	1,120	--	--
04-28-04	--	--	--
07-26-04	2,510	--	--
07-22-04	792	--	--
07-22-04	--	--	--
07-22-04	--	--	--
07-22-04	15,500	--	--
07-22-04	--	--	--
10-23-03	9,830	9,760	83.6
04-26-04	21,900	20,000	166
04-26-04	--	--	--
07-14-04	6,440	9,740	77.1
07-14-04	*11,000*	--	--
10-23-03	16,100	10,800	129
10-23-03	--	--	--
04-26-04	23,900	25,600	223
04-26-04	--	--	--
07-14-04	12,900	17,400	138

Remark codes used in this table:
< -- Less than
> -- Greater than
E -- Estimated value
ND-- Not detected
V -- Contamination

GROUND-WATER LEVELS

COLD CREEK MONITORING PROJECT

Water-level data were collected in the Cold Creek watershed as part of a cooperative study with El Dorado County Department of Transportation and California Tahoe Conservancy. The purpose of the study is to assess effects of urban runoff into a detention basin adjacent to Cold Creek.

Water Level Method--E, estimated; S, steel tape; T, electric tape; V, calibrated electric tape.

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
				Date	Time	(Feet)	Method
COLD CREEK 01	385432119574001	5.55	6278.84	10/16/2003	1231	3.05	V
				11/06/2003	1230	2.99	S
				04/09/2004	1130	2.65	V
				04/16/2004	0740	2.72	V
				05/27/2004	0850	2.79	V
				06/04/2004	1012	2.75	V
				06/25/2004	1327	2.91	V
				07/09/2004	1348	3.01	V
				07/22/2004	1312	3.09	V
				08/09/2004	0946	3.11	V
				09/10/2004	0935	3.30	V
COLD CREEK 02	385432119574002	6.75	6281.57	10/16/2003	1232	5.57	V
				11/06/2003	1212	5.48	S
				11/25/2003	1201	5.46	V
				04/09/2004	1124	5.08	V
				04/16/2004	0743	5.16	V
				04/30/2004	1025	5.27	V
				05/21/2004	1006	5.31	V
				05/27/2004	0853	5.30	V
				06/04/2004	1010	5.31	V
				06/25/2004	1325	5.57	V
				07/09/2004	1346	5.57	V
				07/22/2004	1309	5.63	V
				08/09/2004	0943	5.64	V
				09/10/2004	0930	5.68	V
COLD CREEK 03 DEEP	385432119574302	15.1	6281.21	10/16/2003	1113	8.87	V
				10/30/2003	1337	8.83	V
				11/06/2003	1232	8.76	S
				04/09/2004	1314	7.13	V
				04/16/2004	0839	7.51	V
				04/30/2004	1110	7.99	V
				05/21/2004	1014	8.14	V
				05/27/2004	0911	8.29	V
				06/04/2004	1021	8.22	V
				06/25/2004	1332	8.60	V
				07/09/2004	1354	8.76	V
				07/22/2004	1350	8.90	V
				08/09/2004	0954	9.03	V
				08/18/2004	1557	9.06	V
				08/19/2004	0834	9.05	V
				09/10/2004	0943	9.03	V
COLD CREEK 03 SHALLOW	385432119574301	10.2	6281.23	10/16/2003	1115	8.96	V
				10/30/2003	1336	8.92	V
				11/06/2003	1230	8.80	S
				04/09/2004	1315	7.25	V
				04/16/2004	0839	7.61	V
				05/27/2004	0909	8.38	V
				06/04/2004	1023	8.33	V
				06/25/2004	1334	8.72	V
				07/09/2004	1357	8.86	V
				07/22/2004	1250	9.02	V
				08/09/2004	0955	9.13	V
				08/18/2004	1556	9.21	V
				08/19/2004	0834	9.21	V
				09/10/2004	0945	9.48	V

GROUND-WATER LEVELS

COLD CREEK MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
				Date	Time	(Feet)	Method
COLD CREEK 04	385433119574201	10.2	6279.12	10/16/2003	1237	5.80	V
				10/30/2003	1418	5.79	V
				11/06/2003	1350	5.65	S
				11/25/2003	1316	5.54	V
				04/09/2004	1139	4.53	V
				04/16/2004	0843	4.82	V
				04/30/2004	1035	5.14	V
				05/21/2004	1019	5.27	V
				05/27/2004	0913	5.37	V
				06/04/2004	1026	5.30	V
				06/25/2004	1337	5.61	V
				07/09/2004	1359	5.74	V
				07/22/2004	1246	5.83	V
				08/09/2004	1003	5.98	V
				08/18/2004	1558	5.97	V
				08/19/2004	0835	5.94	V
				09/10/2004	0946	5.99	V
COLD CREEK 05	385433119574202	10.2	6278.03	10/16/2003	1239	5.84	V
				10/30/2003	1421	5.81	V
				11/06/2003	1400	5.70	S
				11/25/2003	1314	5.56	V
				04/09/2004	1141	4.45	V
				04/16/2004	0846	4.71	V
				04/30/2004	1036	5.15	V
				05/21/2004	1021	5.24	V
				05/27/2004	0914	5.38	V
				06/04/2004	1028	5.27	V
				06/25/2004	1339	5.62	V
				07/09/2004	1401	5.76	V
				07/22/2004	1244	5.87	V
				08/09/2004	0959	5.94	V
				08/18/2004	1559	6.02	V
				08/19/2004	0836	6.00	V
				09/10/2004	0948	6.06	V
COLD CREEK 06 DEEP	385433119574302	15.	6277.40	10/16/2003	1244	5.98	V
				10/30/2003	1422	5.96	V
				11/06/2003	1440	5.87	S
				11/25/2003	1309	5.73	V
				04/09/2004	1145	4.65	V
				04/16/2004	0848	4.99	V
				04/30/2004	1038	5.39	V
				05/21/2004	1023	5.45	V
				05/27/2004	0918	5.59	V
				06/04/2004	1030	5.44	V
				06/25/2004	1341	5.79	V
				07/09/2004	1403	5.91	V
				07/22/2004	1242	5.99	V
				08/09/2004	1011	6.10	V
				08/18/2004	1600	6.13	V
				08/19/2004	0837	6.11	V
				09/10/2004	0950	6.18	V
COLD CREEK 06 SHALLOW	385433119574301	8.95	6277.37	10/16/2003	1243	5.98	V
				10/30/2003	1423	5.95	V
				11/06/2003	1420	5.87	S
				11/25/2003	1311	5.72	V
				04/09/2004	1151	4.59	V
				04/16/2004	0854	4.95	V
				04/30/2004	1040	5.37	V
				05/21/2004	1025	5.41	V
				05/27/2004	0917	5.59	V
				06/04/2004	1032	5.41	V
				06/25/2004	1342	5.76	V
				07/09/2004	1304	5.89	V

GROUND-WATER LEVELS

COLD CREEK MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
				Date	Time	(Feet)	Method
COLD CREEK 06 SHALLOW	385433119574301	8.95	6277.37	07/22/2004	1240	5.98	V
				08/09/2004	1013	6.10	V
				08/18/2004	1600	6.13	V
				08/19/2004	0836	6.11	V
				09/10/2004	0952	6.18	V
COLD CREEK 07	385433119574203	4.97	6273.29	10/16/2003	1246	1.71	V
				10/30/2003	1435	1.70	V
				11/06/2003	1415	1.61	S
				11/25/2003	1300	1.52	V
				04/09/2004	1159	0.50	E
				04/16/2004	0851	0.96	V
				04/30/2004	1042	1.23	V
				05/21/2004	1026	1.27	V
				05/27/2004	0920	1.36	V
				06/04/2004	1034	1.26	V
				06/25/2004	1344	1.52	V
				07/09/2004	1406	1.63	V
				07/22/2004	1239	1.70	V
				08/09/2004	1017	1.80	V
				08/18/2004	1601	1.84	V
				08/19/2004	0838	1.86	V
				09/10/2004	0954	1.89	V
COLD CREEK 08 DEEP	385432119574304	14.95	6278.15	10/16/2003	1319	5.12	V
				10/30/2003	1505	5.09	V
				11/25/2003	1322	4.83	V
				04/09/2004	1307	3.73	V
				04/16/2004	0842	4.04	V
				04/30/2004	1107	4.43	V
				05/21/2004	1103	4.52	V
				05/27/2004	0957	4.66	V
				06/04/2004	1111	4.56	V
				06/25/2004	1415	4.93	V
				07/09/2004	1444	5.07	V
				07/22/2004	1302	5.17	V
				08/09/2004	1102	5.30	V
				08/18/2004	1554	5.33	V
				08/19/2004	0832	5.31	V
				09/10/2004	1035	5.37	V
COLD CREEK 08 SHALLOW	385432119574303	9.2	6278.13	10/16/2003	1318	5.03	V
				10/30/2003	1504	5.01	V
				11/25/2003	1321	4.75	V
				04/09/2004	1306	3.63	V
				04/16/2004	0841	3.93	V
				04/30/2004	1106	4.33	V
				05/21/2004	1104	4.43	V
				05/27/2004	0956	4.58	V
				06/04/2004	1110	4.46	V
				06/25/2004	1414	4.85	V
				07/09/2004	1443	5.00	V
				07/22/2004	1301	5.09	V
				08/09/2004	1102	5.22	V
				08/18/2004	1554	5.24	V
				08/19/2004	0832	5.24	V
				09/10/2004	1033	5.29	V
COLD CREEK 09	385432119574305	9.9	6279.30	10/16/2003	1316	7.66	V
				10/30/2003	1502	7.62	V
				04/09/2004	1310	6.23	V
				04/16/2004	0840	6.53	V
				04/30/2004	1108	6.92	V
				05/21/2004	1106	7.04	V
				05/27/2004	0955	7.17	V
				06/04/2004	1113	7.09	V
				06/25/2004	1416	7.46	V

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
				Date	Time	(Feet)	Method
COLD CREEK 09	385432119574305	9.9	6279.30	07/09/2004	1446	7.61	V
				07/22/2004	1300	7.72	V
				08/09/2004	1103	7.84	V
				08/18/2004	1555	7.88	V
				08/19/2004	0833	7.85	V
				09/10/2004	1036	7.92	V
COLD CREEK 10	385433119574303	10.2	6276.39	10/16/2003	1248	5.40	V
				10/30/2003	1437	5.39	V
				04/16/2004	0853	4.20	V
				05/21/2004	1118	4.97	V
				05/27/2004	0921	5.08	V
				06/04/2004	1037	4.94	V
				06/25/2004	1346	5.23	V
				07/09/2004	1409	5.33	V
				07/22/2004	1236	5.41	V
				08/09/2004	1020	5.51	V
				09/10/2004	0957	5.57	V
COLD CREEK 11	385434119574401	5.65	6272.83	10/16/2003	1250	2.38	V
				10/30/2003	1438	2.37	V
				11/25/2003	1253	2.30	V
				04/09/2004	1203	1.94	V
				04/16/2004	0854	2.05	V
				04/30/2004	1049	2.17	V
				05/21/2004	1030	2.16	V
				05/27/2004	0923	2.18	V
				06/04/2004	1038	2.10	V
				06/25/2004	1347	2.24	V
				07/09/2004	1411	2.33	V
				07/22/2004	1234	2.39	V
				08/09/2004	1022	2.46	V
				08/18/2004	1602	2.49	V
				08/19/2004	0838	2.48	V
				09/10/2004	0959	2.52	V
COLD CREEK 12	385434119574402	5.13	6272.64	10/16/2003	1251	2.39	V
				10/30/2003	1439	2.39	V
				11/25/2003	1255	2.33	V
				04/09/2004	1205	2.08	V
				04/16/2004	0856	2.16	V
				04/30/2004	1051	2.22	V
				05/21/2004	1032	2.21	V
				05/27/2004	0924	2.21	V
				06/04/2004	1039	2.12	V
				06/25/2004	1349	2.24	V
				07/09/2004	1413	2.35	V
				07/22/2004	1233	2.39	V
				08/09/2004	1023	2.47	V
				09/10/2004	1000	2.53	V
COLD CREEK 13 DEEP	385433119574402	15.25	6275.69	10/16/2003	1254	5.11	V
				10/30/2003	1447	5.08	V
				11/25/2003	1246	4.94	V
				04/09/2004	1220	4.32	V
				04/16/2004	0857	4.49	V
				04/30/2004	1054	4.66	V
				05/21/2004	1035	4.71	V
				05/27/2004	0931	4.75	V
				06/04/2004	1043	4.69	V
				06/25/2004	1352	4.94	V
				07/09/2004	1416	5.07	V
				07/22/2004	1219	5.13	V
				08/09/2004	1032	5.22	V
				08/18/2004	1603	5.27	V
				08/19/2004	0839	5.22	V
				09/10/2004	1004	5.30	V

GROUND-WATER LEVELS

COLD CREEK MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
				Date	Time	(Feet)	Method
COLD CREEK 13 SHALLOW	385433119574401	10.2	6275.14	10/16/2003	1255	3.97	V
				10/30/2003	1446	3.95	V
				11/25/2003	1250	3.74	V
				04/09/2004	1221	2.78	V
				04/16/2004	0807	3.06	V
				04/30/2004	1056	3.40	V
				05/21/2004	1037	3.45	V
				05/27/2004	0928	3.59	V
				06/04/2004	1045	3.45	V
				06/25/2004	1354	3.79	V
				07/09/2004	1418	3.93	V
				07/22/2004	1231	4.01	V
				08/09/2004	1037	4.12	V
				08/18/2004	1603	4.15	V
				08/19/2004	0839	4.12	V
				09/10/2004	1005	4.19	V
COLD CREEK 14	385433119574403	5.48	6272.60	10/16/2003	1253	2.48	V
				10/30/2003	1440	2.51	V
				11/25/2003	1243	2.44	V
				04/09/2004	1213	2.16	V
				04/16/2004	0856	2.25	V
				04/30/2004	1052	2.30	V
				05/21/2004	1034	2.28	V
				05/27/2004	0926	2.28	V
				06/04/2004	1041	2.20	V
				06/25/2004	1350	2.33	V
				07/09/2004	1415	2.44	V
				07/22/2004	1224	2.48	V
				08/09/2004	1025	2.54	V
				08/18/2004	1603	2.58	V
				08/19/2004	0840	2.56	V
				09/10/2004	1002	2.62	V
COLD CREEK 15	385432119574401	10.2	6278.33	10/16/2003	1314	7.27	V
				10/30/2003	1500	7.21	V
				04/09/2004	1301	6.60	S
				04/16/2004	0913	6.27	V
				04/30/2004	1103	6.58	V
				05/21/2004	1100	7.02	V
				05/27/2004	0954	6.82	V
				06/04/2004	1107	6.78	V
				06/25/2004	1350	7.13	V
				07/09/2004	1441	7.28	V
				07/22/2004	1318	7.38	V
				08/09/2004	1100	7.48	V
				08/18/2004	1608	7.51	V
				08/19/2004	0845	7.46	V
				09/10/2004	1030	7.53	V
COLD CREEK 16	385433119574404	7.15	6273.47	10/16/2003	1258	2.88	V
				11/06/2003	1640	2.60	S
				11/25/2003	1218	2.53	V
				04/09/2004	1254	1.69	V
				04/16/2004	0911	1.91	V
				04/30/2004	1059	2.22	V
				05/21/2004	1039	2.34	V
				05/27/2004	0945	2.45	V
				06/04/2004	1047	2.44	V
				06/25/2004	1355	2.89	V
				07/09/2004	1420	3.06	V
				07/22/2004	1214	3.14	V
				08/09/2004	1039	3.18	V
				08/18/2004	1604	3.26	V
				08/19/2004	0840	3.04	V
				09/10/2004	1007	3.19	V

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
				Date	Time	(Feet)	Method
COLD CREEK 17 DEEP	385433119574502	10.65	6272.82	10/16/2003	1259	2.34	V
				11/06/2003	1631	2.15	S
				11/25/2003	1215	2.09	V
				04/09/2004	1229	1.33	V
				04/16/2004	0900	1.50	V
				04/30/2004	1135	1.74	V
				05/21/2004	1040	1.84	V
				05/27/2004	0914	1.92	V
				06/04/2004	1049	2.16	V
				06/25/2004	1356	2.22	V
				07/09/2004	1421	2.37	V
				07/22/2004	1213	2.47	V
				08/09/2004	1042	2.56	V
				08/18/2004	1605	2.68	V
				08/19/2004	0841	2.52	V
				09/10/2004	1009	2.60	V
COLD CREEK 17 SHALLOW	385433119574501	6.66	6272.71	10/16/2003	1300	2.52	V
				11/06/2003	1630	2.12	S
				11/25/2003	1216	2.10	V
				04/09/2004	1230	1.25	V
				04/16/2004	0900	1.50	V
				04/30/2004	1136	1.83	V
				05/21/2004	1041	2.00	V
				05/27/2004	0944	2.12	V
				06/04/2004	1048	1.90	V
				06/25/2004	1357	2.73	V
				07/09/2004	1422	2.94	V
				07/22/2004	1213	2.97	V
				08/09/2004	1043	3.00	V
				08/18/2004	1605	3.13	V
				08/19/2004	0841	2.95	V
				09/10/2004	1010	2.96	V
COLD CREEK 18	385433119574503	5.08	6271.93	10/16/2003	1302	2.58	V
				11/06/2003	1632	2.41	S
				11/25/2003	1221	2.52	V
				04/09/2004	1236	2.32	V
				04/16/2004	0901	2.41	V
				04/30/2004	1132	2.44	V
				05/21/2004	1048	2.41	V
				05/27/2004	0948	2.42	V
				06/04/2004	1055	2.32	V
				06/25/2004	1402	2.44	V
				07/09/2004	1429	2.56	V
				07/22/2004	1210	2.60	V
				08/09/2004	1047	2.69	V
				09/10/2004	1016	2.75	V
COLD CREEK 19 DEEP	385433119574505	10.	6272.11	10/16/2003	1303	2.86	V
				11/06/2003	1624	2.75	S
				11/25/2003	1224	3.09	V
				04/09/2004	1238	2.06	V
				04/16/2004	0911	2.15	V
				04/30/2004	1130	2.53	V
				05/21/2004	1045	2.49	V
				05/27/2004	0947	2.54	V
				06/04/2004	1053	2.51	V
				06/25/2004	1400	2.78	V
				07/09/2004	1425	2.93	V
				07/22/2004	1207	3.01	V
				08/09/2004	1046	3.09	V
				09/10/2004	1014	3.09	V

GROUND-WATER LEVELS

COLD CREEK MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
				Date	Time	(Feet)	Method
COLD CREEK 19 SHALLOW	385433119574504	5.56	6272.19	10/16/2003	1304	3.01	V
				11/06/2003	1623	2.65	S
				11/25/2003	1225	2.66	V
				04/09/2004	1239	1.98	V
				04/16/2004	0903	2.26	V
				05/21/2004	1046	2.68	V
				05/27/2004	0946	2.76	V
				06/04/2004	1054	2.76	V
				06/25/2004	1401	3.10	V
				07/09/2004	1426	3.28	V
				07/22/2004	1208	3.39	V
				08/09/2004	1045	3.46	V
				09/10/2004	1013	3.40	V
COLD CREEK 20	385432119574501	7.15	6272.77	10/16/2003	1305	3.16	V
				11/06/2003	1635	2.66	S
				11/25/2003	1240	2.70	V
				04/09/2004	1251	1.44	V
				04/16/2004	0909	1.72	V
				04/30/2004	1129	2.29	V
				05/21/2004	1043	2.64	V
				05/27/2004	0952	2.77	V
				06/04/2004	1051	2.82	V
				06/25/2004	1358	3.31	V
				07/09/2004	1424	3.54	V
				07/22/2004	1211	3.58	V
				08/09/2004	1049	3.55	V
				08/18/2004	1606	3.58	V
				08/19/2004	0842	3.45	V
				09/10/2004	1011	3.48	V
COLD CREEK 21	385432119574601	4.95	6272.19	10/16/2003	1307	2.80	V
				11/06/2003	1557	2.62	S
				04/09/2004	1242	2.08	V
				04/16/2004	0908	2.26	V
				04/30/2004	1148	2.41	V
				05/21/2004	1050	2.47	V
				05/27/2004	0951	2.49	V
				06/04/2004	1104	2.45	V
				06/25/2004	1405	2.69	V
				07/09/2004	1431	2.84	V
				07/22/2004	1206	2.90	V
				08/09/2004	1057	2.96	V
				08/18/2004	1606	3.02	V
				08/19/2004	0842	2.94	V
				09/10/2004	1019	3.00	V
COLD CREEK 22	385433119574701	5.57	6271.94	10/16/2003	1308	3.10	V
				11/06/2003	1600	2.91	S
				11/25/2003	1228	2.95	V
				04/09/2004	1244	2.32	V
				04/16/2004	0905	2.55	V
				04/30/2004	1138	2.71	V
				05/21/2004	1051	2.79	V
				05/27/2004	0948	2.82	V
				06/04/2004	1058	2.81	V
				06/25/2004	1406	3.05	V
				07/09/2004	1433	3.20	V
				07/22/2004	1205	3.28	V
				08/09/2004	1051	3.30	V
				08/18/2004	1607	3.34	V
				08/19/2004	0843	3.25	V
				09/10/2004	1021	3.31	V

GROUND-WATER LEVELS

COLD CREEK MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
				Date	Time	(Feet)	Method
COLD CREEK 23	385433119574702	5.4	6271.08	10/16/2003	1310	2.54	V
				11/06/2003	1550	2.39	S
				11/25/2003	1230	2.44	V
				04/09/2004	1246	1.97	V
				04/16/2004	0906	2.13	V
				04/30/2004	1141	2.24	V
				05/21/2004	1055	2.27	V
				05/27/2004	0949	2.30	V
				06/04/2004	1102	2.26	V
				06/25/2004	1409	2.48	V
				07/09/2004	1436	2.60	V
				07/22/2004	1203	2.69	V
				08/09/2004	1055	2.71	V
				09/10/2004	1025	2.70	V
COLD CREEK 24	385432119574701	5.5	6271.97	10/16/2003	1311	3.47	V
				11/06/2003	1553	3.27	S
				11/25/2003	1233	3.25	V
				04/09/2004	1248	2.36	V
				04/16/2004	0907	2.69	V
				04/30/2004	1139	2.94	V
				05/21/2004	1053	3.07	V
				05/27/2004	0950	3.13	V
				06/04/2004	1059	3.16	V
				06/25/2004	1408	3.47	V
				07/09/2004	1434	3.64	V
				07/22/2004	1201	3.75	V
				08/09/2004	1053	3.79	V
				09/10/2004	1023	3.77	V

Water-quality measurements in the following table were made in cooperation with the Tahoe Regional Planning Agency in the Lake Tahoe Basin to monitor nutrient and sediment concentrations. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Station name	Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)
10336580	UPPER TRUCKEE RIVER AT SOUTH UPPER TRUCKEE ROAD NEAR MEYERS, CA	08-03-04	1610	Environmental	3.4	--
		08-03-04	1615	**Replicate**	--	--
103366092	UPPER TRUCKEE RIVER AT HIGHWAY 50 ABOVE MEYERS, CA	08-03-04	1350	Environmental	7.1	--
		08-03-04	1355	**Replicate**	--	--
10336610	UPPER TRUCKEE RIVER AT SOUTH LAKE TAHOE, CA	08-03-04	1120	Environmental	6.7	--
		08-03-04	1125	**Replicate**	--	--
10336645	GENERAL CREEK NEAR MEEKS BAY, CA	08-16-04	1815	Environmental	.84	609
		08-16-04	1820	**Replicate**	--	*609*
10336660	BLACKWOOD CREEK NEAR TAHOE CITY, CA	08-16-04	1715	Environmental	2.1	609
		08-16-04	1720	**Replicate**	--	*609*
10336674	WARD CREEK BELOW CONFLUENCE NEAR TAHOE CITY, CA	08-16-04	1400	Environmental	.46	--
		08-16-04	1405	**Replicate**	--	--
10336676	WARD CREEK AT HIGHWAY 89 NEAR TAHOE PINES, CA	08-16-04	1600	Environmental	1.0	610
		08-16-04	1605	**Replicate**	--	*610*
10336698	THIRD CREEK NEAR CRYSTAL BAY, NV	08-02-04	1535	Environmental	1.4	--
		08-02-04	1540	**Replicate**	--	--
103366993	INCLINE CREEK ABOVE TYROL VILLAGE NEAR INCLINE VILLAGE, NV	08-02-04	1100	Environmental	1.7	--
		08-02-04	1105	**Replicate**	--	--
103366995	INCLINE CREEK AT HIGHWAY 28 AT INCLINE VILLAGE, NV	08-02-04	1240	Environmental	2.1	--
		08-02-04	1245	**Replicate**	--	--
10336700	INCLINE CREEK NEAR CRYSTAL BAY, NV	08-02-04	1405	Environmental	3.0	--
		08-02-04	1410	**Replicate**	--	--
10336730	GLENBROOK CREEK AT GLENBROOK, NV	08-05-04	1705	Environmental	.11	--
		08-05-04	1710	**Replicate**	--	--
10336740	LOGAN HOUSE CREEK NEAR GLENBROOK, NV	08-04-04	1635	Environmental	.04	--
		08-04-04	1640	**Replicate**	--	--
103367592	EAGLE ROCK CREEK NEAR STATELINE, NV	08-05-04	1405	Environmental	.42	--
		08-05-04	1410	**Replicate**	--	--
10336760	EDGEWOOD CREEK AT STATELINE, NV	08-05-04	1100	Environmental	1.7	--
		08-05-04	1105	**Replicate**	--	--
10336770	TROUT CREEK AT U.S. FOREST SERVICE ROAD 12N01 NEAR MEYERS, CA	08-04-04	1440	Environmental	4.7	--
		08-04-04	1445	**Replicate**	--	--
10336775	TROUT CREEK AT PIONEER TRAIL NEAR SOUTH LAKE TAHOE CA	08-04-04	1240	Environmental	6.7	--
		08-04-04	1245	**Replicate**	--	--
10336790	TROUT CREEK AT SOUTH LAKE TAHOE, CA	08-04-04	1100	Environmental	14	--
		08-04-04	1105	**Replicate**	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Dis-solved oxygen, mg/L (00300)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)	[1]Nitrite + nitrate water unfltrd mg/L as N (00630)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Ortho-phos-phate, water, unfltrd mg/L as P (70507)	Phos-phorus, water, fltrd, mg/L (00666)
08-03-04	--	50	21.5	13.5	--	.11	.004	--	.022	--	.021	--	.040
08-03-04	--	*50*	--	--	--	*.09*	*.003*	--	*.021*	--	*.021*	--	*.039*
08-03-04	--	91	22.5	18.5	--	.12	.004	--	.007	--	.004	--	.024
08-03-04	--	*91*	--	--	--	*.13*	*.006*	--	*.006*	--	*.004*	--	*.024*
08-03-04	--	99	17.0	16.0	--	.13	.003	--	.022	--	.004	--	.025
08-03-04	--	*99*	--	--	--	*.17*	*.003*	--	*.024*	--	*.004*	--	*.025*
08-16-04	6.8	57	20.8	16.5	--	.11	.003	--	.008	--	.022	--	.025
08-16-04	*6.8*	*57*	*20.8*	*16.5*	--	*.16*	*.003*	--	*.008*	--	*.021*	--	*.025*
08-16-04	7.8	69	21.8	18.0	--	.10	.004	--	.005	--	.010	--	.015
08-16-04	*7.8*	*69*	*21.8*	*18.0*	--	*.12*	*.004*	--	*.004*	--	*.010*	--	*.015*
08-16-04	--	43	--	16.0	--	.07	.003	--	.006	--	.004	--	.010
08-16-04	--	*43*	--	*16.0*	--	*.07*	*.005*	--	*.006*	--	*.004*	--	*.009*
08-16-04	8.2	69	23.0	19.0	--	.11	.005	--	.006	--	.008	--	.013
08-16-04	*8.2*	*69*	*23.0*	*19.0*	--	*.11*	*.005*	--	*.006*	--	*.008*	--	*.013*
08-02-04	--	66	19.0	13.5	--	.09	.004	--	.014	--	.012	--	.023
08-02-04	--	*66*	--	--	--	*.09*	--	--	--	--	--	--	--
08-02-04	--	38	14.5	7.5	--	.12	.003	--	.016	--	.012	--	.023
08-02-04	--	*38*	--	--	--	*.10*	*.004*	--	*.015*	--	*.011*	--	*.024*
08-02-04	--	49	19.0	10.5	--	.12	.005	--	.019	--	.011	--	.021
08-02-04	--	*49*	--	--	--	*.10*	*.006*	--	*.019*	--	*.011*	--	*.023*
08-02-04	--	83	21.0	12.0	--	.12	.004	--	.023	--	.011	--	.025
08-02-04	--	*83*	--	--	--	*.11*	*.004*	--	*.023*	--	*.011*	--	*.025*
08-05-04	--	520	20.5	12.5	--	.62	.007	--	.025	--	.012	--	.031
08-05-04	--	*520*	--	--	--	*.44*	*.006*	--	*.026*	--	*.011*	--	*.033*
08-04-04	--	157	21.0	9.5	--	.08	.003	--	.019	--	.002	--	.016
08-04-04	--	*157*	--	--	--	*.11*	*.003*	--	*.018*	--	*.002*	--	*.015*
08-05-04	--	55	21.0	9.3	.05	.11	.005	.009	.025	.025	.017	.02	.029
08-05-04	--	*55*	--	--	*.08*	*.12*	*.004*	*.009*	*.026*	*.025*	*.018*	*.02*	*.027*
08-05-04	--	96	18.0	12.0	--	.17	.004	--	.014	--	.011	--	.024
08-05-04	--	*96*	--	--	--	*.19*	*.004*	--	*.015*	--	*.012*	--	*.024*
08-04-04	--	51	17.5	9.0	--	.08	.003	--	.006	--	.010	--	.025
08-04-04	--	*51*	--	--	--	*.08*	*.003*	--	*.007*	--	*.010*	--	*.025*
08-04-04	--	54	21.5	14.0	--	.08	.006	--	.003	--	.009	--	.023
08-04-04	--	*54*	--	--	--	*.08*	*.003*	--	*.003*	--	*.009*	--	*.025*
08-04-04	--	50	20.5	12.5	--	.20	.003	--	.004	--	.011	--	.021
08-04-04	--	*50*	--	--	--	*.16*	*.004*	--	*.005*	--	*.010*	--	*.022*

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Phosphorus, water, unfltrd mg/L (00665)	Iron (bio reactive), water, unfltrd ug/L (46568)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
08-03-04	.049	--	1	.01
08-03-04	*.048*	--	--	--
08-03-04	.027	--	3	.06
08-03-04	*.030*	--	--	--
08-03-04	.031	--	3	.05
08-03-04	*.031*	--	--	--
08-16-04	.032	--	2	<.01
08-16-04	*.033*	--	--	--
08-16-04	.018	--	1	.01
08-16-04	*.021*	--	--	--
08-16-04	.010	--	1	<.01
08-16-04	*.012*	--	--	--
08-16-04	.016	--	1	<.01
08-16-04	*.016*	--	--	--
08-02-04	.032	--	4	.02
08-02-04	*.032*	--	--	--
08-02-04	.032	--	5	.02
08-02-04	*.029*	--	--	--
08-02-04	.035	--	3	.02
08-02-04	*.038*	--	--	--
08-02-04	.044	--	7	.06
08-02-04	*.046*	--	--	--
08-05-04	.134	--	18	.01
08-05-04	*.129*	--	--	--
08-04-04	.025	--	2	<.01
08-04-04	*.027*	--	--	--
08-05-04	.052	260	9	.01
08-05-04	*.051*	*234*	--	--
08-05-04	.037	--	3	.01
08-05-04	*.035*	--	--	--
08-04-04	.026	--	3	.04
08-04-04	*.026*	--	--	--
08-04-04	.028	--	2	.04
08-04-04	*.027*	--	--	--
08-04-04	.038	--	10	.38
08-04-04	*.036*	--	--	--

Remark codes used in this table:
< -- Less than

[1] --Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct these interferences.

Water-quality measurements in the following table were made in cooperation with the Tahoe Regional Planning Agency to determine the effectiveness of the prohibition of carbureted 2-stroke engines in the Lake Tahoe Basin. Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data."

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Station name	Date	Time	Sample type	Sampling depth, meters (00098)	Transparency Secchi disc, meters (00078)
103366082	ECHO CREEK AT OUTLET NEAR PHILLIPS CA	10-15-03	0930	Environmental	--	--
		10-15-03	0931	**Laboratory Replicate**	--	--
		10-15-03	0932	**Laboratory Replicate**	--	--
10336626	TAYLOR CREEK NEAR CAMP RICHARDSON CA	10-15-03	1110	Environmental	--	--
		10-15-03	1111	**Laboratory Replicate**	--	--
10336715	MARLETTE CREEK NEAR CARSON CITY, NV	10-21-03	1100	Environmental	--	--
		10-21-03	*1101*	**Laboratory Replicate**	--	--
		10-21-03	1110	Environmental	--	--
		10-21-03	1112	**Laboratory Replicate**	--	--
385023120032501	LOWER ECHO LAKE SAMPLE SITE NEAR CENTER	10-20-03	0930	Environmental	1.0	7.50
		10-20-03	0945	Environmental	16.0	7.50
		10-22-03	1008	**Equipment Blank**	--	--
		10-22-03	1018	**Laboratory Replicate**	--	--
		10-22-03	*1019*	**Laboratory Replicate**	--	--
385356120035001	FALLEN LEAF LAKE SAMPLE SITE 1	10-20-03	1150	Environmental	1.0	14.5
		10-20-03	1152	**Laboratory Replicate**	--	--
		10-20-03	1210	Environmental	25.0	14.5
		10-20-03	*1211*	**Laboratory Replicate**	--	--
		10-20-03	1212	**Laboratory Replicate**	--	--
390625119542801	SPOONER LAKE SAMPLE SITE NEAR CENTER	10-14-03	1100	Environmental	1.0	1.50
		10-14-03	1120	Environmental	2.5	1.50
391033119540301	MARLETTE LAKE SAMPLE SITE NEAR CENTER	10-21-03	1000	Environmental	1.0	4.00
		10-21-03	*1001*	**Laboratory Replicate**	--	--
		10-21-03	1002	**Laboratory Replicate**	--	--
		10-21-03	1010	Environmental	1.0	4.00
		10-21-03	1012	**Laboratory Replicate**	--	--
		10-21-03	1030	Environmental	5.0	4.00

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)
10-15-03	.2	584	7.0	78	7.8	17	11.0	8.5	.09	.005	.010	.001	.004
10-15-03	--	--	--	--	--	--	--	--	--	*.005*	--	--	--
10-15-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-15-03	.9	606	7.5	88	7.3	20	17.5	12.1	.08	.003	.003	.001	.006
10-15-03	--	--	--	--	--	--	--	--	--	--	*.004*	--	--
10-21-03	1.4	581	7.0	79	7.6	55	23.0	8.5	.12	.001	.038	.002	.008
10-21-03	--	--	--	--	--	--	--	--	--	*.001*	--	--	--
10-21-03	1.4	581	7.0	79	7.6	55	23.0	8.5	.17	.002	.038	.003	.009
10-21-03	--	--	--	--	--	--	--	--	--	.012	--	--	--
10-20-03	.5	588	9.8	117	9.0	7	14.5	11.4	.10	.009	.007	.001	.004
10-20-03	.4	588	7.7	85	7.0	7	14.5	8.4	.11	.001	.002	.001	.004
10-22-03	--	--	--	--	--	--	--	--	.04	.005	.003	.001	.001
10-22-03	--	--	--	--	--	--	--	--	.01	.001	.001	.001	.002
10-22-03	--	--	--	--	--	--	--	--	--	--	--	*.001*	--
10-20-03	.3	611	9.1	110	8.2	19	20.5	13.9	.08	.003	.004	.001	.003
10-20-03	--	--	--	--	--	--	--	--	.25	--	--	--	--
10-20-03	.2	611	10.4	106	7.5	19	20.5	6.6	.08	.003	.002	.001	.008
10-20-03	--	--	--	--	--	--	--	--	*.12*	--	--	--	--
10-20-03	--	--	--	--	--	--	--	--	--	--	.042	--	--
10-14-03	5.5	586	7.7	91	8.3	476	17.0	10.9	.45	.006	.002	.001	.015
10-14-03	12	586	5.4	64	8.4	482	17.0	10.8	.62	.001	.002	.001	.040
10-21-03	3.2	581	8.8	106	6.7	43	16.0	11.4	.37	.015	.007	.001	.014
10-21-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-21-03	--	--	--	--	--	--	--	--	--	--	--	.011	--
10-21-03	1.6	581	8.8	106	6.7	43	16.0	11.4	.37	.017	.006	.001	.014
10-21-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-21-03	1.8	581	8.4	101	6.4	43	16.0	11.4	.32	.016	.007	.001	.017

Date	Iron (bio reactive), water, unfltrd ug/L (46568)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)
10-15-03	39	50	.0
10-15-03	--	--	--
10-15-03	88	--	--
10-15-03	25	56	1
10-15-03	--	--	--
10-21-03	284	50	2
10-21-03	--	--	--
10-21-03	280	--	--
10-21-03	--	--	--
10-20-03	17	--	--
10-20-03	21	--	--
10-22-03	ND	--	--
10-22-03	ND	--	--
10-22-03	--	--	--
10-20-03	8	--	--
10-20-03	--	--	--
10-20-03	8	--	--
10-20-03	--	--	--
10-20-03	--	--	--
10-14-03	995	--	--
10-14-03	--	--	--
10-21-03	296	--	--
10-21-03	*296*	--	--
10-21-03	--	--	--
10-21-03	299	--	--
10-21-03	342	--	--
10-21-03	303	--	--

[1] Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

Water-quality measurements in the following table were made in cooperation with the Tahoe Regional Planning Agency in the Lake Tahoe Basin for quality assurance purposes. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data.

QA/QC CALIFORNIA

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Time	Sample type	[a]Type of blank sample, code (99102)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)
103366769999	12-19-03	1400	Blank	1.	2	<.04	<.04	<.003	<.002	<.001	<.002	<.002
	12-19-03	1405	Blank	100.	2	<.04	<.04	<.003	<.002	<.001	<.002	<.002
	03-11-04	1530	Blank	100.	2	<.04	<.04	.004	<.002	<.001	<.002	<.002
	03-11-04	1525	Blank	1.	2	<.04	<.04	.004	<.002	<.001	<.002	<.002
	06-10-04	1350	Blank	1.	2	--	<.04	.003	.003	.001	<.002	<.002
	06-10-04	1355	Blank	100.	2	<.04	<.04	.003	<.002	<.001	<.002	<.002
	09-17-04	1445	Blank	1.	2	.04	.04	.004	.002	<.001	<.002	<.002
	09-17-04	1450	Blank	100.	2	.04	.04	.004	.003	<.001	<.002	<.002

Remark codes used in this table:
< -- Less than

[a]
1. -- Source solution
100. -- Field

QUALITY OF SURFACE WATER

LAKE TAHOE BASIN

QA/QC NEVADA

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Time	Sample type	[a]Type of blank sample, code (99102)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite + nitrate water unfltrd mg/L as N (00630)
103367009999	11-05-03	1425	Blank	1.	2	U	<.04	--	.005	--	<.002
	11-05-03	1435	Blank	100.	2	<.04	<.04	<.003	.005	<.002	<.002
	02-03-04	1420	Blank	1.	2	--	<.04	--	.005	--	<.002
	02-03-04	1430	Blank	100.	3	<.04	U	<.003	.005	<.002	.002
	05-21-04	1320	Blank	1.	1	<.04	<.04	.004	--	<.002	<.002
	05-21-04	1325	Blank	100.	2	<.04	U	.003	.006	.004	.003
103367309999	10-10-03	0930	Blank	1.	2	U	<.04	--	.005	--	<.002
	10-10-03	0945	Blank	100.	2	U	<.04	<.003	.005	<.002	<.002
	01-06-04	1415	Blank	100.	2	<.04	<.04	<.003	.004	<.002	.002
	01-06-04	1425	Blank	1.	2	--	<.04	--	.004	--	<.002
	04-09-04	1550	Blank	1.	2	--	<.04	--	.006	--	<.002
	04-09-04	1600	Blank	100.	2	U	<.04	.003	.006	.018	.017
	06-15-04	1205	Blank	100.	1	<.04	<.04	.003	.006	.003	.003
	06-15-04	1210	Blank	60.	1	<.04	--	.003	--	<.002	--
	06-15-04	1215	Blank	1.	1	--	<.04	--	.006	--	<.002
	06-16-04	1255	Blank	100.	1	<.04	<.04	.003	.004	.003	.003
	06-16-04	1300	Blank	60.	1	U	--	.004	--	.003	--
	06-16-04	1305	Blank	1.	1	--	<.04	--	.004	--	<.002
	07-07-04	1645	Blank	100.	2	.04	<.04	.004	.005	.002	<.002
	07-07-04	1655	Blank	1.	2	--	<.04	--	.005	--	<.002
	08-05-04	1240	Blank	1.	--	--	<.04	--	.006	--	.002
	08-05-04	1245	Blank	100.	1	<.04	<.04	.004	.007	.002	.002

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Orthophosphate, water, unfltrd mg/L as P (70507)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Iron (bio reactive), water, fltrd, ug/L (63673)	Iron (bio reactive), water, unfltrd ug/L (46568)	Suspended sediment concentration mg/L (80154)
11-05-03	--	<.001	--	<.002	--	4	--
11-05-03	<.001	<.001	<.002	<.002	4	4	--
02-03-04	--	<.001	--	<.002	--	--	--
02-03-04	<.001	<.001	<.002	<.002	--	--	--
05-21-04	<.001	<.001	<.002	<.002	--	--	--
05-21-04	<.001	<.001	<.002	<.002	--	--	<1
10-10-03	--	<.001	--	<.002	--	4	--
10-10-03	<.001	<.001	<.002	<.002	--	5	--
01-06-04	<.001	<.001	<.002	<.002	5	4	--
01-06-04	--	<.001	--	<.002	--	4	--
04-09-04	--	<.001	--	<.002	--	3	--
04-09-04	<.001	<.001	<.002	<.002	4	5	--
06-15-04	.002	M	.002	.003	5	4	--
06-15-04	<.001	--	<.002	--	6	--	--
06-15-04	--	<.001	--	<.002	--	5	--
06-16-04	<.001	M	.002	.002	4	5	--
06-16-04	.001	--	.002	--	5	--	--
06-16-04	--	<.001	--	<.002	--	5	--
07-07-04	<.001	<.001	<.002	.002	6	4	--
07-07-04	--	<.001	--	<.002	4	4	--
08-05-04	--	M	--	.002	--	5	--
08-05-04	<.001	M	<.002	.002	--	5	<1

Remark codes used in this table:
< -- Less than
M -- Presence verified, not quantified
U -- Analyzed for, not detected

[a]
1. -- Source solution
60. -- Filter
100. -- Field

Water-quality measurements in the following table were made as part of the National Water-Quality Assessment Program (NAWQA) Reno-Carson City-Spanish Springs Major Aquifer study to monitor quarterly conditions of deep ground water.

Depths and Water Levels: Depths are referenced to land-surface datum (LSD).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Local identifier	Date	Time	Sample type	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate of well, gal/min (00058)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)
390943119474802	N15 E19 13CADA2	10-15-03	1000	Environmental	190.	--	--	--	--
		10-28-03	1000	Environmental	190.	75.58	.50	2.2	641
		01-27-04	0830	**Blank**	*190.*	--	--	--	--
		01-27-04	1000	Environmental	190.	76.66	.50	.8	636
		04-05-04	0900	**Blank**	*190.*	--	--	--	--
		04-05-04	1100	Environmental	190.	77.68	1.0	3.3	636
		07-12-04	1200	Environmental	190.	80.43	.50	3.3	639
391014119450701	N15 E20 17AADC1	10-27-03	0915	Environmental	700.	--	415	.2	652
		01-26-04	0930	Environmental	700.	--	510	.4	643
		04-08-04	1015	Environmental	700.	--	465	.1	644
		07-12-04	0900	Environmental	700.	--	400	.2	644
392506119462201	N18 E20 19AABB1	10-29-03	0930	Environmental	530.	--	870	.2	635
		01-28-04	0930	Environmental	530.	--	850	.2	645
		04-06-04	0900	Environmental	530.	--	820	.4	641
		04-06-04	0901	**Spike**	530.	--	--	--	--
		07-14-04	0830	Environmental	530.	--	770	.2	645
393053119445601	N19 E20 16BCAC2	10-29-03	1115	Environmental	191.	--	548	.1	641
		01-28-04	1100	Environmental	191.	--	550	.2	651
		04-06-04	1100	Environmental	191.	--	540	.1	648
		07-13-04	1030	Environmental	191.	--	500	.2	650
393812119425701	N21 E20 34DDDC1	10-30-03	1000	Environmental	300.	--	860	.1	640
		10-30-03	1015	**Replicate**	*300.*	--	--	--	--
		01-29-04	0945	Environmental	300.	--	830	.2	650
		04-07-04	0930	Environmental	300.	37.90	860	.1	649
		04-07-04	1000	**Replicate**	*300.*	--	*850*	*.2*	*649*
		07-13-04	0830	Environmental	300.	--	800	.2	648

Station number	Date	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	--
	10-28-03	.8	9	7.2	239	12.0	13.0	23.7	8.36	2.54	14.4	108
	01-27-04	--	--	--	--	--	--	*.01*	*<.008*	*<.16*	*<.10*	--
	01-27-04	1.0	11	6.9	239	7.0	11.0	24.6	8.19	2.39	13.6	108
	04-05-04	--	--	--	--	--	--	*.02*	*<.008*	*E.09*	*<.10*	--
	04-05-04	.9	10	6.6	248	18.0	13.5	24.9	8.71	2.56	14.1	106
	07-12-04	3.3	40	6.8	252	32.0	16.0	25.3	7.94	2.44	13.7	106
391014119450701	10-27-03	.8	9	8.0	191	11.0	15.7	19.9	2.55	.96	19.7	91
	01-26-04	1.6	18	7.3	238	1.0	11.8	27.5	5.47	1.21	17.3	116
	04-08-04	.7	9	7.9	191	17.5	17	20.5	2.58	.87	21.3	93
	07-12-04	.9	11	7.6	201	20.0	16.4	21.3	2.51	.93	19.9	94
392506119462201	10-29-03	4.9	63	7.4	216	19.0	18.2	16.0	10.5	5.69	11.0	122
	01-28-04	4.6	57	7.3	202	5.0	17.3	18.2	11.2	5.63	10.7	106
	04-06-04	4.3	54	7.2	205	15.1	18.2	17.1	10.2	5.49	10.8	106
	04-06-04	--	--	--	--	--	--	--	--	--	--	--
	07-14-04	4.5	57	7.1	215	26.0	18.3	16.4	9.09	5.44	10.3	105
393053119445601	10-29-03	.9	11	7.4	259	31.0	14.8	19.2	8.13	3.56	19.6	88
	01-28-04	1.0	11	7.3	238	10.0	13.1	21.0	8.41	3.59	20.7	88
	04-06-04	1.0	11	7.2	250	23.0	14.1	20.6	8.31	3.48	18.9	87
	07-13-04	1.0	11	7.2	260	25.0	13.9	20.5	7.81	3.57	18.3	87
393812119425701	10-30-03	1.0	12	7.6	946	11.0	14.9	69.4	15.9	5.86	105	178
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	1.2	14	7.5	954	7.0	14.9	81.2	19.1	6.22	112	183
	04-07-04	1.2	14	7.5	1,020	13.0	15.1	79.1	17.9	6.03	110	184
	04-07-04	*1.1*	*13*	*7.5*	*1,020*	*15.0*	*15.2*	*80.5*	*17.8*	*6.62*	*112*	*184*
	07-13-04	1.7	20	7.4	882	21.0	15.7	63.4	14.3	5.77	97.4	162

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	--
	10-28-03	132	.02	7.33	.2	36.7	E.1	163	--	<.04	.93	<.008
	01-27-04	--	*<.02*	*<.20*	*<.2*	*<.04*	*<.2*	*<10*	--	*<.04*	*<.06*	*<.008*
	01-27-04	131	.02	7.47	<.2	36.6	3.3	158	--	<.04	.95	<.008
	04-05-04	--	*<.02*	*<.20*	*<.2*	*<.04*	*<.2*	*10*	--	*<.04*	*<.06*	*<.008*
	04-05-04	129	.02	7.50	.2	36.6	3.3	167	--	<.04	.96	<.008
	07-12-04	130	.02	7.83	.2	37.7	3.3	156	--	<.04	.97	<.008
391014119450701	10-27-03	112	.02	1.93	<.2	23.6	6.2	140	<.10	<.04	.20	<.008
	01-26-04	141	.02	3.59	<.2	26.5	4.8	156	--	<.04	.41	<.008
	04-08-04	113	E.01	1.87	<.2	23.6	6.6	135	--	<.04	.21	<.008
	07-12-04	115	.02	1.83	<.2	24.6	6.2	125	--	<.04	.21	<.008
392506119462201	10-29-03	149	E.01	1.33	<.2	63.3	2.9	177	--	<.04	.70	<.008
	01-28-04	130	.02	1.42	<.2	62.1	2.9	171	--	<.04	.70	<.008
	04-06-04	129	E.01	1.29	<.2	61.8	2.5	174	--	<.04	.70	<.008
	04-06-04	--	--	--	--	--	--	--	--	--	--	--
	07-14-04	128	.02	1.24	<.2	63.3	3.1	170	--	<.04	.68	<.008
393053119445601	10-29-03	108	E.01	7.05	<.2	37.9	22.5	173	--	<.04	1.17	<.008
	01-28-04	107	.03	7.01	<.2	39.1	23.1	185	--	<.04	1.14	<.008
	04-06-04	107	.02	7.06	<.2	37.0	19.2	178	--	<.04	1.20	<.008
	07-13-04	106	.03	7.10	<.2	39.0	22.5	172	--	<.04	1.12	<.008
393812119425701	10-30-03	217	.81	102	.5	71.4	120	641	--	<.04	7.04	<.008
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	223	.85	108	.5	69.3	131	678	--	<.04	7.38	<.008
	04-07-04	225	.85	105	.5	72.1	125	637	--	<.04	8.07	<.008
	04-07-04	*225*	*.84*	*104*	*.5*	*72.2*	*122*	*655*	--	*<.04*	*8.01*	*<.008*
	07-13-04	198	.81	93.9	.6	74.4	96.1	585	--	<.04	9.15	<.008

Station number	Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Total nitrogen, wat flt by analysis, mg/L (62854)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	--
	10-28-03	.056	.94	--	--	--	--	--	--	--	--	--
	01-27-04	*<.006*	*<.03*	--	--	--	--	--	--	--	--	--
	01-27-04	.056	.95	--	--	--	--	--	--	--	--	--
	04-05-04	*<.006*	*<.03*	*<2*	*<.20*	*<.2*	*<.2*	*<.06*	*<8*	*<.04*	*<.8*	*<.014*
	04-05-04	.059	.93	<2	E.16	5.0	15	<.06	10	E.03	<.8	.065
	07-12-04	.054	1.01	--	--	--	--	--	--	--	--	--
391014119450701	10-27-03	.12	--	--	--	--	--	--	--	--	--	--
	01-26-04	.061	.40	--	--	--	--	--	--	--	--	--
	04-08-04	.126	.21	E1	<.20	8.2	22	<.06	12	<.04	1.0	.065
	07-12-04	.119	.22	--	--	--	--	--	--	--	--	--
392506119462201	10-29-03	.057	.68	--	--	--	--	--	--	--	--	--
	01-28-04	.056	.66	--	--	--	--	--	--	--	--	--
	04-06-04	.058	.68	M	E.15	4.1	64	<.06	23	<.04	1.3	.044
	04-06-04	--	--	--	--	--	--	--	--	--	--	--
	07-14-04	.055	.67	--	--	--	--	--	--	--	--	--
393053119445601	10-29-03	.048	1.22	--	--	--	--	--	--	--	--	--
	01-28-04	.052	1.12	--	--	--	--	--	--	--	--	--
	04-06-04	.047	1.15	<2	<.20	15.3	26	<.06	98	<.04	<.8	.057
	07-13-04	.043	1.17	--	--	--	--	--	--	--	--	--
393812119425701	10-30-03	.015	7.29	--	--	--	--	--	--	--	--	--
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	.017	7.46	--	--	--	--	--	--	--	--	--
	04-07-04	.018	7.71	M	E.13	8.8	109	<.06	484	.04	<.8	.271
	04-07-04	*.018*	*7.73*	*<2*	*E.13*	*8.9*	*109*	*<.06*	*490*	*.04*	*<.8*	*.267*
	07-13-04	.018	8.90	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Mangan-ese, water, fltrd, ug/L (01056)	Molyb-denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen-ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Stront-ium, water, fltrd, ug/L (01080)	Thall-ium, water, fltrd, ug/L (01057)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	--
	10-28-03	--	<6	--	--	<.8	--	--	--	--	--	--
	01-27-04	--	*<6*	--	--	*6.4*	--	--	--	--	--	--
	01-27-04	--	<6	--	--	E.7	--	--	--	--	--	--
	04-05-04	*<.4*	*<6*	*<.08*	*<.6*	*1.0*	*E.2*	*.08*	*<.4*	*<.2*	*<.40*	*<.04*
	04-05-04	E.2	<6	E.04	7.1	.7	3.8	.62	<.4	<.2	246	<.04
	07-12-04	--	<6	--	--	1.0	--	--	--	--	--	--
391014119450701	10-27-03	--	<6	--	--	E.5	--	--	--	--	--	--
	01-26-04	--	E6	--	--	3.9	--	--	--	--	--	--
	04-08-04	.6	<6	.40	4.7	.8	4.4	.73	<.4	<.2	188	<.04
	07-12-04	--	<6	--	--	E.5	--	--	--	--	--	--
392506119462201	10-29-03	--	<6	--	--	<.8	--	--	--	--	--	--
	01-28-04	--	<6	--	--	<.8	--	--	--	--	--	--
	04-06-04	.6	<19	.25	8.3	<.2	1.9	.48	<.4	<.2	175	<.04
	04-06-04	--	--	--	--	--	--	--	--	--	--	--
	07-14-04	--	<6	--	--	<.8	--	--	--	--	--	--
393053119445601	10-29-03	--	<6	--	--	14.8	--	--	--	--	--	--
	01-28-04	--	<6	--	--	26.5	--	--	--	--	--	--
	04-06-04	1.5	<6	.49	1.2	23.0	2.3	.54	<.4	<.2	184	<.04
	07-13-04	--	<6	--	--	25.9	--	--	--	--	--	--
393812119425701	10-30-03	--	E6	--	--	1.3	--	--	--	--	--	--
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	--	E5	--	--	2.1	--	--	--	--	--	--
	04-07-04	1.9	E4	.28	3.7	.6	12.5	2.53	1.7	<.2	776	<.04
	04-07-04	*2.0*	*E4*	*.28*	*3.6*	*.5*	*12.7*	*2.45*	*1.7*	*<.2*	*771*	*<.04*
	07-13-04	--	<6	--	--	<.8	--	--	--	--	--	--

Station number	Date	Vanad-ium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	[a]alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	--
	10-28-03	--	--	<.006	<.006	<.006	<.005	<.005	92.9	<.007	<.050	<.010
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	04-05-04	*E.1*	*E.3*	*<.006*	*<.006*	*<.006*	*<.005*	*<.005*	*84.4*	*<.007*	*<.050*	*<.010*
	04-05-04	4.0	E.5	<.006	<.006	<.006	<.005	<.005	91.8	<.007	<.050	<.010
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
391014119450701	10-27-03	--	--	<.006	<.006	<.006	<.004	<.005	88.7	<.007	<.050	<.010
	01-26-04	--	--	--	--	--	--	--	--	--	--	--
	04-08-04	12.3	.9	<.006	<.006	<.006	<.005	<.005	93.6	<.007	<.050	<.010
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
392506119462201	10-29-03	--	--	<.006	<.006	<.006	<.005	<.005	81.9	<.007	<.050	<.010
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	9.9	2.7	<.006	<.006	<.006	<.005	<.005	86.4	<.007	<.050	<.010
	04-06-04	--	--	.103	E.040	.112	.114	.097	93.0	.118	E.097	.114
	07-14-04	--	--	--	--	--	--	--	--	--	--	--
393053119445601	10-29-03	--	--	<.006	<.006	<.006	<.005	<.005	86.4	<.007	<.050	<.010
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	3.2	1.7	<.006	E.005	<.006	<.005	<.005	85.9	<.007	<.050	<.010
	07-13-04	--	--	--	--	--	--	--	--	--	--	--
393812119425701	10-30-03	--	--	<.006	E.011	<.006	<.005	<.005	89.4	E.006	<.050	<.010
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	--	--	--	--	--	--	--	--	--	--	--
	04-07-04	31.8	4.3	<.006	E.017	<.006	<.005	<.005	97.5	.011	<.050	<.010
	04-07-04	*31.7*	*3.0*	*<.006*	*E.014*	*<.006*	*<.005*	*<.005*	*93.3*	*.010*	*<.050*	*<.010*
	07-13-04	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	[a]Diazinon-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Dieldrin, water, fltrd, ug/L (39381)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	--
	10-28-03	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	103	<.009
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	04-05-04	*<.004*	*<.041*	*<.020*	*<.005*	*<.006*	*<.018*	*<.003*	*<.012*	*<.005*	*99.3*	*<.009*
	04-05-04	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	101	<.009
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
391014119450701	10-27-03	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	91.8	<.005
	01-26-04	--	--	--	--	--	--	--	--	--	--	--
	04-08-04	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	106	<.009
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
392506119462201	10-29-03	<.004	E.019	<.020	<.005	<.006	<.018	<.003	<.012	<.005	86.7	<.009
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.004	E.007	<.020	<.005	<.006	<.018	<.003	<.012	<.005	92.5	<.009
	04-06-04	.099	E.168	E.154	.100	.080	.145	.102	.127	.100	106	.092
	07-14-04	--	--	--	--	--	--	--	--	--	--	--
393053119445601	10-29-03	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	88.1	<.009
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	96.8	<.009
	07-13-04	--	--	--	--	--	--	--	--	--	--	--
393812119425701	10-30-03	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	92.9	<.009
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	--	--	--	--	--	--	--	--	--	--	--
	04-07-04	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	107	<.009
	04-07-04	*<.004*	*<.041*	*<.020*	*<.005*	*<.006*	*<.018*	*<.003*	*<.012*	*<.005*	*103*	*<.009*
	07-13-04	--	--	--	--	--	--	--	--	--	--	--

Station number	Date	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	--
	10-28-03	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	04-05-04	*<.02*	*<.004*	*<.009*	*<.005*	*<.029*	*<.013*	*<.024*	*<.016*	*<.003*	*<.004*	*<.035*
	04-05-04	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
391014119450701	10-27-03	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035
	01-26-04	--	--	--	--	--	--	--	--	--	--	--
	04-08-04	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
392506119462201	10-29-03	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035
	04-06-04	.07	.099	.129	.103	E.173	E.113	.099	E.152	.099	.097	.108
	07-14-04	--	--	--	--	--	--	--	--	--	--	--
393053119445601	10-29-03	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035
	07-13-04	--	--	--	--	--	--	--	--	--	--	--
393812119425701	10-30-03	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	--	--	--	--	--	--	--	--	--	--	--
	04-07-04	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035
	04-07-04	*<.02*	*<.004*	*<.009*	*<.005*	*<.029*	*<.013*	*<.024*	*<.016*	*<.003*	*<.004*	*<.035*
	07-13-04	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p-' DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	--
	10-28-03	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	04-05-04	*<.027*	*<.015*	*<.013*	*<.006*	*<.003*	*<.007*	*<.003*	*<.010*	*<.004*	*<.022*	*<.011*
	04-05-04	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
391014119450701	10-27-03	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011
	01-26-04	--	--	--	--	--	--	--	--	--	--	--
	04-08-04	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
392506119462201	10-29-03	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
	04-06-04	.128	.118	.120	.083	.099	.101	.064	.124	.098	.128	.095
	07-14-04	--	--	--	--	--	--	--	--	--	--	--
393053119445601	10-29-03	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
	07-13-04	--	--	--	--	--	--	--	--	--	--	--
393812119425701	10-30-03	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	--	--	--	--	--	--	--	--	--	--	--
	04-07-04	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
	04-07-04	*<.027*	*<.015*	*<.013*	*<.006*	*<.003*	*<.007*	*<.003*	*<.010*	*<.004*	*<.022*	*<.011*
	07-13-04	--	--	--	--	--	--	--	--	--	--	--

Station number	Date	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	--
	10-28-03	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	04-05-04	*<.01*	*<.004*	*<.025*	*<.011*	*<.02*	*<.005*	*<.02*	*<.034*	*<.02*	*<.010*	*<.002*
	04-05-04	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
391014119450701	10-27-03	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002
	01-26-04	--	--	--	--	--	--	--	--	--	--	--
	04-08-04	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
392506119462201	10-29-03	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002
	04-06-04	.12	.098	.113	.127	.15	.118	.15	E.103	.09	.107	.100
	07-14-04	--	--	--	--	--	--	--	--	--	--	--
393053119445601	10-29-03	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002
	07-13-04	--	--	--	--	--	--	--	--	--	--	--
393812119425701	10-30-03	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	--	--	--	--	--	--	--	--	--	--	--
	04-07-04	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002
	04-07-04	*<.01*	*<.004*	*<.025*	*<.011*	*<.02*	*<.005*	*<.02*	*<.034*	*<.02*	*<.010*	*<.002*
	07-13-04	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	--
	10-28-03	<.009	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	04-05-04	*<.009*	*<.03*	*<.03*	*<.16*	*<.04*	*<.06*	*<.04*	*<.02*	*<.03*	*<.1*	*<.1*
	04-05-04	<.009	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
391014119450701	10-27-03	<.009	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	01-26-04	--	--	--	--	--	--	--	--	--	--	--
	04-08-04	<.009	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
392506119462201	10-29-03	<.009	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.009	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	04-06-04	.114	.54	.55	1.55	.51	.68	1.03	.48	.68	2.4	2.9
	07-14-04	--	--	--	--	--	--	--	--	--	--	--
393053119445601	10-29-03	<.009	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.009	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	07-13-04	--	--	--	--	--	--	--	--	--	--	--
393812119425701	10-30-03	<.009	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	--	--	--	--	--	--	--	--	--	--	--
	04-07-04	<.009	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	04-07-04	*<.009*	*<.03*	*<.03*	*<.16*	*<.04*	*<.06*	*<.04*	*<.02*	*<.03*	*<.1*	*<.1*
	07-13-04	--	--	--	--	--	--	--	--	--	--	--

Station number	Date	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	[a]1,2-Dichloroethane-d4, sur Sch2090 wat unf pct rcv (99832)	1,2-Dichloropropane water unfltrd ug/L (34541)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	--
	10-28-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	95.1	<.03
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	04-05-04	*<.3*	*<.18*	*<.1*	*<.1*	*<.06*	*<.5*	*<.04*	*<.05*	*<.1*	*101*	*<.03*
	04-05-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	109	<.03
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
391014119450701	10-27-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	99.2	<.03
	01-26-04	--	--	--	--	--	--	--	--	--	--	--
	04-08-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	124	<.03
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
392506119462201	10-29-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	94.4	<.03
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	121	<.03
	04-06-04	3.1	1.84	1.3	1.2	.64	6.0	.53	.56	1.6	123	.50
	07-14-04	--	--	--	--	--	--	--	--	--	--	--
393053119445601	10-29-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	95.5	<.03
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	118	<.03
	07-13-04	--	--	--	--	--	--	--	--	--	--	--
393812119425701	10-30-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	98.3	<.03
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	--	--	--	--	--	--	--	--	--	--	--
	04-07-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	117	<.03
	04-07-04	*<.3*	*<.18*	*<.1*	*<.1*	*<.06*	*<.5*	*<.04*	*<.05*	*<.1*	*119*	*<.03*
	07-13-04	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	[a]14Bromo fluoro-benzene surrog. VOC Sch wat unf pct rcv (99834)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)	4-Iso-propyl-toluene water unfltrd ug/L (77356)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	--
	10-28-03	<.04	<.03	<.1	<.03	75.4	<.05	<.04	<.06	<.50	<.05	<.08
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	04-05-04	*<.04*	*<.03*	*<.1*	*<.03*	*98.0*	*<.05*	*<.04*	*<.06*	*<.50*	*<.05*	*<.08*
	04-05-04	<.04	<.03	<.1	<.03	97.8	<.05	<.04	<.06	<.50	<.05	<.08
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
391014119450701	10-27-03	<.04	<.03	<.1	<.03	80.8	<.05	<.04	<.06	<.50	<.05	<.08
	01-26-04	--	--	--	--	--	--	--	--	--	--	--
	04-08-04	<.04	<.03	<.1	<.03	103	<.05	<.04	<.06	<.50	<.05	<.08
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
392506119462201	10-29-03	<.04	<.03	<.1	<.03	75.1	<.05	<.04	<.06	<.50	<.05	<.08
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.04	<.03	<.1	<.03	99.5	<.05	<.04	<.06	<.50	<.05	<.08
	04-06-04	.50	.53	1.3	.52	110	E1.61	.51	.60	E2.29	.59	1.09
	07-14-04	--	--	--	--	--	--	--	--	--	--	--
393053119445601	10-29-03	<.04	<.03	<.1	<.03	72.0	<.05	<.04	<.06	<.50	<.05	<.08
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.04	<.03	<.1	<.03	98.5	<.05	<.04	<.06	<.50	<.05	<.08
	07-13-04	--	--	--	--	--	--	--	--	--	--	--
393812119425701	10-30-03	<.04	<.03	<.1	<.03	71.9	<.05	<.04	<.06	<.50	<.05	<.08
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	--	--	--	--	--	--	--	--	--	--	--
	04-07-04	<.04	<.03	<.1	<.03	94.4	<.05	<.04	<.06	<.50	<.05	<.08
	04-07-04	*<.04*	*<.03*	*<.1*	*<.03*	*94.8*	*<.05*	*<.04*	*<.06*	*<.50*	*<.05*	*<.08*
	07-13-04	--	--	--	--	--	--	--	--	--	--	--

Station number	Date	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	--
	10-28-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	04-05-04	*<6*	*<1*	*<.02*	*<.03*	*<.12*	*<.03*	*<.1*	*<.3*	*<.04*	*<.03*	*<.1*
	04-05-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
391014119450701	10-27-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1
	01-26-04	--	--	--	--	--	--	--	--	--	--	--
	04-08-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
392506119462201	10-29-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1
	04-06-04	75	13	.52	.53	E1.64	.61	2.0	E2.8	.69	.50	1.4
	07-14-04	--	--	--	--	--	--	--	--	--	--	--
393053119445601	10-29-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1
	07-13-04	--	--	--	--	--	--	--	--	--	--	--
393812119425701	10-30-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	--	--	--	--	--	--	--	--	--	--	--
	04-07-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1
	04-07-04	*<6*	*<1*	*<.02*	*<.03*	*<.12*	*<.03*	*<.1*	*<.3*	*<.04*	*<.03*	*<.1*
	07-13-04	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	--
	10-28-03	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	04-05-04	*<.2*	*<.02*	*<.05*	*<.1*	*<.05*	*<.18*	*M*	*<.1*	*<.10*	*<.2*	*<4.0*
	04-05-04	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
391014119450701	10-27-03	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0
	01-26-04	--	--	--	--	--	--	--	--	--	--	--
	04-08-04	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
392506119462201	10-29-03	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0
	04-06-04	E1.8	.51	.86	2.0	E.69	E1.45	1.9	1.7	1.01	2.7	48.5
	07-14-04	--	--	--	--	--	--	--	--	--	--	--
393053119445601	10-29-03	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0
	07-13-04	--	--	--	--	--	--	--	--	--	--	--
393812119425701	10-30-03	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	--	--	--	--	--	--	--	--	--	--	--
	04-07-04	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0
	04-07-04	*<.2*	*<.02*	*<.05*	*<.1*	*<.05*	*<.18*	*<.1*	*<.1*	*<.10*	*<.2*	*<4.0*
	07-13-04	--	--	--	--	--	--	--	--	--	--	--

Station number	Date	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Methyl acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	--
	10-28-03	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	04-05-04	*<.03*	*<.1*	*<.1*	*<.35*	*<.4*	*<.04*	*<.8*	*<2.0*	*<.3*	*<.08*	*E.01*
	04-05-04	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
391014119450701	10-27-03	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06
	01-26-04	--	--	--	--	--	--	--	--	--	--	--
	04-08-04	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
392506119462201	10-29-03	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06
	04-06-04	.47	1.2	2.0	E3.23	4.8	.47	6.4	15.6	3.2	.73	.57
	07-14-04	--	--	--	--	--	--	--	--	--	--	--
393053119445601	10-29-03	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06
	07-13-04	--	--	--	--	--	--	--	--	--	--	--
393812119425701	10-30-03	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	--	--	--	--	--	--	--	--	--	--	--
	04-07-04	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06
	04-07-04	*<.03*	*<.1*	*<.1*	*<.35*	*<.4*	*<.04*	*<.8*	*<2.0*	*<.3*	*<.08*	*<.06*
	07-13-04	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Naphthalene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propylbenzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butylbenzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butylbenzene water unfltrd ug/L (77353)	Tetrachloroethene, water, unfltrd ug/L (34475)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	--
	10-28-03	<.5	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	E.03
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	04-05-04	*<.5*	*<.7*	*<.1*	*<.04*	*<.04*	*<.06*	*<.04*	*<.05*	*<.2*	*<.06*	*<.06*
	04-05-04	<.5	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	E.04
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
391014119450701	10-27-03	<.5	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06
	01-26-04	--	--	--	--	--	--	--	--	--	--	--
	04-08-04	<.5	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
392506119462201	10-29-03	<.5	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.5	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06
	04-06-04	5.5	7.7	1.8	.46	.59	.47	.49	.48	2.0	1.05	.49
	07-14-04	--	--	--	--	--	--	--	--	--	--	--
393053119445601	10-29-03	<.5	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	.11
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.5	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	E.09
	07-13-04	--	--	--	--	--	--	--	--	--	--	--
393812119425701	10-30-03	<.5	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	--	--	--	--	--	--	--	--	--	--	--
	04-07-04	<.5	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06
	04-07-04	*<.5*	*<.7*	*<.1*	*<.04*	*<.04*	*<.06*	*<.04*	*<.05*	*<.2*	*<.06*	*<.06*
	07-13-04	--	--	--	--	--	--	--	--	--	--	--

Station number	Date	Tetrachloromethane water unfltrd ug/L (32102)	Tetrahydrofuran, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	[a]Toluene-d8, surrog, Sch2090 wat unf percent recovry (99833)	trans-1,2-Dichloroethene, water, unfltrd ug/L (34546)	trans-1,3-Dichloropropene water unfltrd ug/L (34699)	trans-1,4-Dichloro-2-butene, wat unf ug/L (73547)	Tribromomethane water unfltrd ug/L (32104)	Trichloroethene, water, unfltrd ug/L (39180)	Trichlorofluoromethane water unfltrd ug/L (34488)	Trichloromethane water unfltrd ug/L (32106)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	--
	10-28-03	<.06	<2	E.09	89.9	<.03	<.09	<.7	<.10	<.04	<.16	<.02
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--	--
	04-05-04	*<.06*	*M*	*E.09*	*98.9*	*<.03*	*<.09*	*<.7*	*<.10*	*<.04*	*<.16*	*<.02*
	04-05-04	<.06	<2	<.05	100	<.03	<.09	<.7	<.10	<.04	<.16	<.02
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
391014119450701	10-27-03	<.06	<2	<.05	93.7	<.03	<.09	<.7	<.10	<.04	<.16	<.02
	01-26-04	--	--	--	--	--	--	--	--	--	--	--
	04-08-04	<.06	<2	<.05	104	<.03	<.09	<.7	<.10	<.04	<.16	<.02
	07-12-04	--	--	--	--	--	--	--	--	--	--	--
392506119462201	10-29-03	<.06	<2	<.05	86.9	<.03	<.09	<.7	<.10	<.04	<.16	E.04
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.06	<2	<.05	101	<.03	<.09	<.7	<.10	<.04	<.16	E.04
	04-06-04	.77	21	.49	106	.49	1.43	9.0	1.17	.51	.97	.60
	07-14-04	--	--	--	--	--	--	--	--	--	--	--
393053119445601	10-29-03	<.06	<2	<.05	88.0	<.03	<.09	<.7	<.10	<.04	<.16	E.06
	01-28-04	--	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.06	<2	<.05	101	<.03	<.09	<.7	<.10	<.04	<.16	E.06
	07-13-04	--	--	--	--	--	--	--	--	--	--	--
393812119425701	10-30-03	<.06	<2	<.05	87.0	<.03	<.09	<.7	<.10	<.04	<.16	<.02
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	--	--	--	--	--	--	--	--	--	--	--
	04-07-04	<.06	<2	<.05	101	<.03	<.09	<.7	<.10	<.04	<.16	<.02
	04-07-04	*<.06*	*<2*	*<.05*	*102*	*<.03*	*<.09*	*<.7*	*<.10*	*<.04*	*<.16*	*<.02*
	07-13-04	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Alpha radioac 30 day, wat flt Th-230, pCi/L (62639)	Alpha radioac 72 hr, wat flt Th-230, pCi/L (62636)	Beta radioac 30 day, wat flt Cs-137, pCi/L (62645)	Beta radioac 72 hr, wat flt Cs-137, pCi/L (62642)	Deu-terium/ Protium ratio, water, unfltrd per mil (82082)	O-18 / O-16 ratio, water, unfltrd per mil (82085)	Ra-226, water, fltrd, radon method pCi/L (09511)	Ra-228, water, fltrd, pCi/L (81366)	Uranium natural water, fltrd, ug/L (22703)
390943119474802	10-15-03	--	--	--	--	--	-111	-14.96	--	--	--
	10-28-03	<.1	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--
	04-05-04	*<.1*	--	--	--	--	--	--	--	--	*<.04*
	04-05-04	<.1	--	--	--	--	--	--	--	--	1.16
	07-12-04	--	M	M	4	2	--	--	.01	M	--
391014119450701	10-27-03	<.1	--	--	--	--	--	--	--	--	--
	01-26-04	--	--	--	--	--	--	--	--	--	--
	04-08-04	<.1	--	--	--	--	--	--	--	--	29.5
	07-12-04	--	7	8	14	3	--	--	.12	M	--
392506119462201	10-29-03	<.1	--	--	--	--	-115	-15.41	--	--	--
	01-28-04	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.1	--	--	--	--	--	--	--	--	3.46
	04-06-04	1.2	--	--	--	--	--	--	--	--	--
	07-14-04	--	M	M	7	6	--	--	.06	M	--
393053119445601	10-29-03	<.1	--	--	--	--	--	--	--	--	--
	01-28-04	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.1	--	--	--	--	--	--	--	--	.88
	07-13-04	--	M	M	4	3	--	--	.02	M	--
393812119425701	10-30-03	<.1	--	--	--	--	-112	-14.26	--	--	--
	10-30-03	--	--	--	--	--	*-112*	*-14.25*	--	--	--
	01-29-04	--	--	--	--	--	--	--	--	--	--
	04-07-04	<.1	--	--	--	--	--	--	--	--	9.74
	04-07-04	*<.1*	--	--	--	--	--	--	--	--	*9.62*
	07-13-04	--	1	3	7	6	--	--	.11	M	--

Remark codes used in this table:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

[a] -- Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

Water-quality measurements in the following table were made as part of the National Water-Quality Assessment Program (NAWQA) Carson City-Spanish Springs Source Water Assessment to monitor conditions in public supply wells.

Depths and Water Levels: Depths are referenced to land-surface datum (LSD).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Local identifier	Date	Time	Sample type	Depth of well, feet below LSD (72008)	Flow rate of well, gal/min (00058)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
390955119481501	N15 E19 13BCDC1	08-31-04	1215	Environmental	--	--	640	6.3	71
391035119471501	N15 E19 12DADD2	08-31-04	0930	Environmental	470.	943	643	6.1	66
391113119471501	N15 E19 01DDDD1	08-31-04	1045	Environmental	400	895	641	7.3	86

Station number	Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)
390955119481501	08-31-04	6.7	226	28.0	13.0	<.5	<.5	<.5	<.5	<5	<1	<5
391035119471501	08-31-04	6.2	228	17.5	11.2	<.5	<.5	<.5	<.5	<5	<1	<5
391113119471501	08-31-04	6.8	221	24.5	14.8	<.5	<.5	<.5	<.5	<5	<1	<5

Station number	Date	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)
390955119481501	08-31-04	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5
391035119471501	08-31-04	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5
391113119471501	08-31-04	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5

Station number	Date	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	[a]Caffeine-13C sur Sch 2033 & 8033, wat flt pct rcv (99584)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)
390955119481501	08-31-04	<5	<5	<1	<.5	<.5	64.8	<.5	<1	<.5	<.5	<5
391035119471501	08-31-04	<5	<5	<1	<.5	<.5	54.0	<.5	<1	<.5	<.5	<5
391113119471501	08-31-04	<5	<5	<1	<.5	<.5	52.7	<.5	<1	<.5	<.5	<5

Station number	Date	Cotinine, water, fltrd, ug/L (62005)	[a]DecaFbiphenl sur Sch 2033 & 8033, wat flt pct rcv (99585)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	[a]Fluoranthene-d10, sur Sch 20/8033 wat flt pct rcv (99586)	HHCB, water, fltrd, ug/L (62075)
390955119481501	08-31-04	<1.00	37.1	<.5	<.5	<5	<1	<.5	<1	<.5	88.9	<.5
391035119471501	08-31-04	<1.00	40.2	<.5	<.5	<5	<1	<.5	<1	<.5	92.1	<.5
391113119471501	08-31-04	<1.00	37.9	<.5	<.5	<5	<1	<.5	<1	<.5	89.2	<.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)
390955119481501	08-31-04	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1
391035119471501	08-31-04	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1
391113119471501	08-31-04	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1

Station number	Date	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)
390955119481501	08-31-04	<2	M	V.5	<.5	<.5	E.1	E.1	<.5	<1	<.5
391035119471501	08-31-04	<2	<.5	V.2	<.5	<.5	E.3	E.1	<.5	<1	<.5
391113119471501	08-31-04	<2	<.5	V1.0	<.5	<.5	<.5	<.5	<.5	<1	<.5

Station number	Date	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Alpha radioac 30 day, wat flt Th-230, pCi/L (62639)	Alpha radioac 72 hr, wat flt Th-230, pCi/L (62636)	Beta radioac 30 day, wat flt Cs-137, pCi/L (62645)	Beta radioac 72 hr, wat flt Cs-137, pCi/L (62642)	Ra-226, water, fltrd, radon method pCi/L (09511)	Ra-228, water, fltrd, pCi/L (81366)
390955119481501	08-31-04	<.5	<.5	<.5	<.5	--	--	--	--	--	--
391035119471501	08-31-04	<.5	<.5	<.5	<.5	5	6	9	2	.18	M
391113119471501	08-31-04	<.5	<.5	<.5	<.5	17	11	22	6	.40	M

Remark codes used in this table:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified
V -- Contamination

[a]--Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

Water-quality measurements in the following table were made quarterly as part of the National Water-Quality Assessment Program (NAWQA) Reno-Carson City Urban Land-Use study to monitor conditions in shallow ground water.

Depths and Water Levels: Depths are referenced to land-surface datum (LSD).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Local identifier	Date	Time	Sample type	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate of well, gal/min (00058)	Tur-bidity, water, unfltrd field, NTU (61028)	Baro-metric pres-sure, mm Hg (00025)
390708119450301	N15 E20 32DADA1	12-17-03	1030	Environmental	140.	54.12	.50	22	648
		03-15-04	1100	Environmental	140.	52.35	<.50	21	647
		06-08-04	0900	Environmental	140.	54.50	.20	4.2	638
		09-07-04	0930	Environmental	140.	56.77	.20	7.0	643
391030119480701	N15 E19 12CCAA1	12-17-03	1330	Environmental	185.	144.30	.50	.4	639
		03-17-04	1200	Environmental	185.	145.76	.50	.5	636
		06-08-04	1200	Environmental	185.	145.46	.50	.5	629
		09-08-04	1145	Environmental	185.	146.17	.50	.2	635
391110119460602	N15 E20 08BBBB3	12-18-03	1215	Environmental	20.	6.21	.50	.3	647
		03-18-04	1000	Environmental	20.	4.90	.50	.5	641
		03-18-04	1030	**Replicate**	*20.*	--	.50	--	--
		06-09-04	1030	Environmental	20.	5.09	.50	.2	639
		09-07-04	1120	**Blank**	*20.*	--	--	--	--
		09-07-04	1215	Environmental	20.	5.86	.30	.5	643
		09-07-04	1245	**Replicate**	*20.*	*5.86*	*.30*	*.2*	*643*
391127119442501	N15 E20 04DBCD1	12-18-03	0930	Environmental	32.	13.75	.50	.3	648
		03-17-04	0815	**Blank**	*32.*	--	--	--	--
		03-17-04	0930	Environmental	32.	12.85	.50	.3	646
		06-09-04	0800	Environmental	32.	13.10	.50	.2	638
		09-08-04	0800	**Blank**	*32.*	--	--	--	--
		09-08-04	0900	Environmental	32.	13.15	.50	.2	644
392507119462001	N18 E20 19AABA1	12-16-03	1330	Environmental	139.	136.84	.50	2.0	648
		03-16-04	0900	Environmental	139.	136.65	.50	1.5	649
392918119464901	N19 E20 30BADD1	12-15-03	1345	Environmental	21.	5.32	.50	.2	655
		03-16-04	1100	Environmental	21.	4.31	.50	.9	655
		06-07-04	0830	Environmental	21.	4.92	.50	.2	642
		09-13-04	0845	Environmental	21.	5.90	.50	.2	647
393050119552401	N19 E18 14ACBC1	12-16-03	1000	Environmental	24.	15.21	.08	8.6	648
393108119415102	N19 E20 14AAAC2	12-15-03	1130	Environmental	26.	16.93	.08	3.0	655
		06-10-04	0900	Environmental	26.	15.39	.20	1.1	650
		09-14-04	0900	Environmental	26.	16.54	.20	26	650

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka-linity, wat flt inc tit field, mg/L as CaCO3 (39086)
390708119450301	12-17-03	.7	8	7.2	550	2.5	11.7	51.0	15.0	1.76	65.6	194
	03-15-04	1.2	14	6.9	556	28.0	16.0	43.6	13.2	1.64	55.4	177
	06-08-04	2.5	30	6.9	500	18.0	15.7	42.6	12.5	1.72	49.5	165
	09-07-04	2.8	34	7.0	500	17.0	16.5	44.6	13.3	1.70	46.8	174
391030119480701	12-17-03	3.7	41	7.3	242	10.0	11.8	34.5	5.09	2.31	15.9	128
	03-17-04	3.7	44	7.1	261	23.0	14.6	33.4	4.97	2.25	15.7	124
	06-08-04	3.5	42	7.1	265	25.0	14.5	34.2	4.80	2.39	15.6	122
	09-08-04	3.6	44	7.0	273	26.0	16.0	32.5	4.68	2.19	15.2	125
391110119460602	12-18-03	.2	2	7.1	941	19.0	17.6	82.1	23.8	1.34	126	466
	03-18-04	.3	4	7.0	985	15.0	15.9	82.8	25.4	1.33	126	467
	03-18-04	--	--	--	--	--	--	*83.8*	*25.0*	*1.31*	*125*	--
	06-09-04	.1	2	7.1	991	21.0	17.0	75.6	22.9	1.38	127	470
	09-07-04	--	--	--	--	--	--	*.02*	*<.008*	*<.16*	*<.10*	--
	09-07-04	.3	4	7.0	1,030	37.0	25.0	75.3	21.9	1.54	133	469
	09-07-04	*.3*	*5*	*7.0*	*1,030*	*37.0*	*27.2*	*75.5*	*22.1*	*1.62*	*135*	*469*
391127119442501	12-18-03	6.0	70	7.4	934	1.0	14.7	80.6	23.2	3.60	98.2	258
	03-17-04	--	--	--	--	--	--	*.02*	*<.008*	*<.16*	*<.10*	--
	03-17-04	5.5	68	7.3	1,080	21.0	17.6	94.2	27.5	3.93	119	273
	06-09-04	5.4	64	7.4	1,100	10.0	14.9	85.6	25.7	3.80	111	270
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
	09-08-04	6.0	73	7.2	1,040	15.0	16.4	79.1	24.5	3.56	100	250
392507119462001	12-16-03	6.9	75	7.0	233	6.0	11.8	22.4	12.8	6.23	11.9	115
	03-16-04	6.4	72	6.5	235	16.0	13.2	20.0	11.5	5.69	11.1	113
392918119464901	12-15-03	.9	11	7.0	1,080	3.0	16.2	122	24.9	13.2	115	373
	03-16-04	.8	10	6.8	1,220	15.0	18.0	129	26.2	12.9	119	396
	06-07-04	.8	10	6.8	1,190	25.0	17.1	120	24.3	12.6	112	387
	09-13-04	.7	9	6.9	1,200	20.0	17.0	120	25.6	12.7	108	393
393050119552401	12-16-03	3.6	42	6.8	1,540	4.0	14.8	192	47.6	5.31	66.4	214
393108119415102	12-15-03	4.1	47	8.4	651	14.0	14.8	5.59	1.70	2.06	143	159
	06-10-04	3.7	43	8.1	689	14.0	15.2	5.41	1.55	1.98	143	147
	09-14-04	3.4	41	8.2	673	14.0	16.0	5.09	1.40	1.92	132	142

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Bicarbonate,

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Total nitrogen, wat flt by analysis, mg/L (62854)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)
390708119450301	12-17-03	3.70	--	--	--	--	--	--	--	--	--	--
	03-15-04	3.56	--	--	--	--	--	--	--	--	--	--
	06-08-04	3.50	E1	.47	2.5	111	<.06	58	.05	<.8	.148	1.4
	09-07-04	3.73	--	--	--	--	--	--	--	--	--	--
391030119480701	12-17-03	.37	--	--	--	--	--	--	--	--	--	--
	03-17-04	.38	--	--	--	--	--	--	--	--	--	--
	06-08-04	.39	M	<.20	3.1	7	<.06	9	<.04	<.8	.104	E.2
	09-08-04	.39	--	--	--	--	--	--	--	--	--	--
391110119460602	12-18-03	.39	--	--	--	--	--	--	--	--	--	--
	03-18-04	.47	--	--	--	--	--	--	--	--	--	--
	03-18-04	*.49*	--	--	--	--	--	--	--	--	--	--
	06-09-04	.64	M	E.14	2.9	93	<.06	134	E.03	.8	.338	1.8
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	.89	--	--	--	--	--	--	--	--	--	--
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391127119442501	12-18-03	19.0	--	--	--	--	--	--	--	--	--	--
	03-17-04	*.05*	--	--	--	--	--	--	--	--	--	--
	03-17-04	23.7	--	--	--	--	--	--	--	--	--	--
	06-09-04	22.1	M	.24	3.3	266	<.06	234	.04	2.0	.282	1.4
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
	09-08-04	21.7	--	--	--	--	--	--	--	--	--	--
392507119462001	12-16-03	.80	--	--	--	--	--	--	--	--	--	--
	03-16-04	.75	--	--	--	--	--	--	--	--	--	--
392918119464901	12-15-03	2.94	--	--	--	--	--	--	--	--	--	--
	03-16-04	2.70	--	--	--	--	--	--	--	--	--	--
	06-07-04	2.90	M	.71	14.9	127	<.06	472	E.03	E.4	.388	2.5
	09-13-04	2.75	--	--	--	--	--	--	--	--	--	--
393050119552401	12-16-03	6.57	--	--	--	--	--	--	--	--	--	--
393108119415102	12-15-03	.82	--	--	--	--	--	--	--	--	--	--
	06-10-04	.74	4	.23	49.4	18	<.06	904	<.04	<.8	.016	.6
	09-14-04	.74	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Mangan-ese, water, fltrd, ug/L (01056)	Molyb-denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen-ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Stront-ium, water, fltrd, ug/L (01080)	Thall-ium, water, fltrd, ug/L (01057)	Vanad-ium, water, fltrd, ug/L (01085)
390708119450301	12-17-03	<6	--	--	6.7	--	--	--	--	--	--	--
	03-15-04	<6	--	--	1.0	--	--	--	--	--	--	--
	06-08-04	<6	<.08	9.9	1.1	3.9	1.38	.8	<.2	505	<.04	6.2
	09-07-04	<6	--	--	E.6	--	--	--	--	--	--	--
391030119480701	12-17-03	<6	--	--	<.8	--	--	--	--	--	--	--
	03-17-04	<6	--	--	<.8	--	--	--	--	--	--	--
	06-08-04	<6	<.08	4.9	E.2	1.8	.56	E.3	<.2	223	<.04	1.5
	09-08-04	<6	--	--	<.8	--	--	--	--	--	--	--
391110119460602	12-18-03	<6	--	--	26.5	--	--	--	--	--	--	--
	03-18-04	<6	--	--	28.3	--	--	--	--	--	--	--
	03-18-04	*<6*	--	--	*26.1*	--	--	--	--	--	--	--
	06-09-04	8	<.08	38.6	34.0	6.6	2.05	<.4	<.2	897	<.04	30.3
	09-07-04	*<6*	--	--	*E.5*	--	--	--	--	--	--	--
	09-07-04	<6	--	--	35.9	--	--	--	--	--	--	--
	09-07-04	*E4*	--	--	*35.0*	--	--	--	--	--	--	--
391127119442501	12-18-03	<6	--	--	<.8	--	--	--	--	--	--	--
	03-17-04	*<6*	--	--	*.8*	--	--	--	--	--	--	--
	03-17-04	<6	--	--	1.1	--	--	--	--	--	--	--
	06-09-04	<6	<.08	3.1	E.2	14.3	1.29	2.8	<.2	903	<.04	17.6
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
	09-08-04	<6	--	--	<.8	--	--	--	--	--	--	--
392507119462001	12-16-03	<6	--	--	E.6	--	--	--	--	--	--	--
	03-16-04	<6	--	--	<.8	--	--	--	--	--	--	--
392918119464901	12-15-03	<6	--	--	E.7	--	--	--	--	--	--	--
	03-16-04	<6	--	--	4.2	--	--	--	--	--	--	--
	06-07-04	<6	<.08	132	.7	5.9	2.43	.6	<.2	1,420	<.04	6.1
	09-13-04	<6	--	--	E.5	--	--	--	--	--	--	--
393050119552401	12-16-03	<6	--	--	5.8	--	--	--	--	--	--	--
393108119415102	12-15-03	<6	--	--	<.8	--	--	--	--	--	--	--
	06-10-04	<6	<.08	12.7	<.2	7.3	.12	.6	<.2	84.7	<.04	24.6
	09-14-04	<6	--	--	<.8	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Zinc, water, fltrd, ug/L (01090)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	[a]alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Butyl-ate, water, fltrd, ug/L (04028)
390708119450301	12-17-03	--	--	--	--	--	--	--	--	--	--	--
	03-15-04	--	--	--	--	--	--	--	--	--	--	--
	06-08-04	1.0	<.006	<.006	<.006	<.005	<.005	98.2	<.007	<.050	<.010	<.004
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391030119480701	12-17-03	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	06-08-04	<.6	<.006	<.006	<.006	<.005	<.005	95.5	<.007	<.050	<.010	<.004
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
391110119460602	12-18-03	--	--	--	--	--	--	--	--	--	--	--
	03-18-04	--	--	--	--	--	--	--	--	--	--	--
	03-18-04	--	--	--	--	--	--	--	--	--	--	--
	06-09-04	E.5	<.006	E.005	<.006	<.005	<.005	95.5	E.005	<.050	<.010	<.004
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391127119442501	12-18-03	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	06-09-04	.7	<.006	E.007	<.006	<.005	<.005	96.7	<.007	<.050	<.010	<.004
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
392507119462001	12-16-03	--	--	--	--	--	--	--	--	--	--	--
	03-16-04	--	--	--	--	--	--	--	--	--	--	--
392918119464901	12-15-03	--	--	--	--	--	--	--	--	--	--	--
	03-16-04	--	--	--	--	--	--	--	--	--	--	--
	06-07-04	1.2	<.006	E.006	<.006	<.005	<.005	95.3	<.007	<.050	<.010	<.004
	09-13-04	--	--	--	--	--	--	--	--	--	--	--
393050119552401	12-16-03	--	--	--	--	--	--	--	--	--	--	--
393108119415102	12-15-03	--	--	--	--	--	--	--	--	--	--	--
	06-10-04	1.9	<.006	<.006	<.006	<.005	<.005	98.0	<.007	<.050	<.010	<.004
	09-14-04	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	[a]Diazinon-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)
390708119450301	12-17-03	--	--	--	--	--	--	--	--	--	--	--
	03-15-04	--	--	--	--	--	--	--	--	--	--	--
	06-08-04	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	104	<.009	<.02
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391030119480701	12-17-03	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	06-08-04	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	107	<.009	<.02
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
391110119460602	12-18-03	--	--	--	--	--	--	--	--	--	--	--
	03-18-04	--	--	--	--	--	--	--	--	--	--	--
	03-18-04	--	--	--	--	--	--	--	--	--	--	--
	06-09-04	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	106	<.009	<.02
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391127119442501	12-18-03	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	06-09-04	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	107	<.009	<.02
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
392507119462001	12-16-03	--	--	--	--	--	--	--	--	--	--	--
	03-16-04	--	--	--	--	--	--	--	--	--	--	--
392918119464901	12-15-03	--	--	--	--	--	--	--	--	--	--	--
	03-16-04	--	--	--	--	--	--	--	--	--	--	--
	06-07-04	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	99.9	<.009	<.02
	09-13-04	--	--	--	--	--	--	--	--	--	--	--
393050119552401	12-16-03	--	--	--	--	--	--	--	--	--	--	--
393108119415102	12-15-03	--	--	--	--	--	--	--	--	--	--	--
	06-10-04	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	127	<.009	<.02
	09-14-04	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala-thion, water, fltrd, ug/L (39532)
390708119450301	12-17-03	--	--	--	--	--	--	--	--	--	--	--
	03-15-04	--	--	--	--	--	--	--	--	--	--	--
	06-08-04	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391030119480701	12-17-03	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	06-08-04	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
391110119460602	12-18-03	--	--	--	--	--	--	--	--	--	--	--
	03-18-04	--	--	--	--	--	--	--	--	--	--	--
	03-18-04	--	--	--	--	--	--	--	--	--	--	--
	06-09-04	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391127119442501	12-18-03	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	06-09-04	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
392507119462001	12-16-03	--	--	--	--	--	--	--	--	--	--	--
	03-16-04	--	--	--	--	--	--	--	--	--	--	--
392918119464901	12-15-03	--	--	--	--	--	--	--	--	--	--	--
	03-16-04	--	--	--	--	--	--	--	--	--	--	--
	06-07-04	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027
	09-13-04	--	--	--	--	--	--	--	--	--	--	--
393050119552401	12-16-03	--	--	--	--	--	--	--	--	--	--	--
393108119415102	12-15-03	--	--	--	--	--	--	--	--	--	--	--
	06-10-04	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027
	09-14-04	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p-' DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)
390708119450301	12-17-03	--	--	--	--	--	--	--	--	--	--	--
	03-15-04	--	--	--	--	--	--	--	--	--	--	--
	06-08-04	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	<.01
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391030119480701	12-17-03	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	06-08-04	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	<.01
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
391110119460602	12-18-03	--	--	--	--	--	--	--	--	--	--	--
	03-18-04	--	--	--	--	--	--	--	--	--	--	--
	03-18-04	--	--	--	--	--	--	--	--	--	--	--
	06-09-04	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	.01
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391127119442501	12-18-03	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	06-09-04	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	<.01
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
392507119462001	12-16-03	--	--	--	--	--	--	--	--	--	--	--
	03-16-04	--	--	--	--	--	--	--	--	--	--	--
392918119464901	12-15-03	--	--	--	--	--	--	--	--	--	--	--
	03-16-04	--	--	--	--	--	--	--	--	--	--	--
	06-07-04	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	<.01
	09-13-04	--	--	--	--	--	--	--	--	--	--	--
393050119552401	12-16-03	--	--	--	--	--	--	--	--	--	--	--
393108119415102	12-15-03	--	--	--	--	--	--	--	--	--	--	--
	06-10-04	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	<.01
	09-14-04	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Propy-zamide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)
390708119450301	12-17-03	--	--	--	--	--	--	--	--	--	--	--
	03-15-04	--	--	--	--	--	--	--	--	--	--	--
	06-08-04	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391030119480701	12-17-03	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	06-08-04	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
391110119460602	12-18-03	--	--	--	--	--	--	--	--	--	--	--
	03-18-04	--	--	--	--	--	--	--	--	--	--	--
	03-18-04	--	--	--	--	--	--	--	--	--	--	--
	06-09-04	<.004	<.025	<.011	<.02	E.004	<.02	<.034	<.02	<.010	<.002	<.009
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391127119442501	12-18-03	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	06-09-04	<.004	<.025	<.011	<.02	.018	<.02	<.034	<.02	<.010	<.002	<.009
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
	09-08-04	--	--	--	--	--	--	--	--	--	--	--
392507119462001	12-16-03	--	--	--	--	--	--	--	--	--	--	--
	03-16-04	--	--	--	--	--	--	--	--	--	--	--
392918119464901	12-15-03	--	--	--	--	--	--	--	--	--	--	--
	03-16-04	--	--	--	--	--	--	--	--	--	--	--
	06-07-04	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009
	09-13-04	--	--	--	--	--	--	--	--	--	--	--
393050119552401	12-16-03	--	--	--	--	--	--	--	--	--	--	--
393108119415102	12-15-03	--	--	--	--	--	--	--	--	--	--	--
	06-10-04	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009
	09-14-04	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	1,1,1,2 -Tetra- chloro- ethane, water, unfltrd ug/L (77562)	1,1,1- Tri- chloro- ethane, water, unfltrd ug/L (34506)	1,1,2,2 -Tetra- chloro- ethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2- Tri- chloro- ethane, water, unfltrd ug/L (34511)	1,1-Di- chloro- ethane, water unfltrd ug/L (34496)	1,1-Di- chloro- ethene, water, unfltrd ug/L (34501)	1,1-Di- chloro- propene water unfltrd ug/L (77168)	1,2,3,4 Tetra- methyl- benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra- methyl- benzene water unfltrd ug/L (50000)	1,2,3- Tri- chloro- benzene water unfltrd ug/L (77613)
390708119450301	12-17-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	03-15-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	06-08-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	09-07-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
391030119480701	12-17-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	03-17-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	06-08-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	09-08-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
391110119460602	12-18-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	03-18-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	03-18-04	*<.03*	*<.03*	*<.16*	*<.04*	*<.06*	*<.04*	*<.02*	*<.03*	*<.1*	*<.1*	*<.3*
	06-09-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391127119442501	12-18-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	06-09-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	09-08-04	*<.03*	*<.03*	*<.16*	*<.04*	*<.06*	*<.04*	*<.02*	*<.03*	*<.1*	*<.1*	*<.3*
	09-08-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
392507119462001	12-16-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	03-16-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
392918119464901	12-15-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	03-16-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	06-07-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	09-13-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
393050119552401	12-16-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
393108119415102	12-15-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	06-10-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3
	09-14-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)	1,2,3-Tri-methyl-benzene water unfltrd ug/L (77221)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo chloro-propane water unfltrd ug/L (82625)	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	[a]1,2-Di-chloro-ethane-d4, sur Sch2090 wat unf pct rcv (99832)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)
390708119450301	12-17-03	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	114	<.03	<.04
	03-15-04	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	116	<.03	<.04
	06-08-04	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	116	<.03	<.04
	09-07-04	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	110	<.03	<.04
391030119480701	12-17-03	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	113	<.03	<.04
	03-17-04	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	113	<.03	<.04
	06-08-04	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	104	<.03	<.04
	09-08-04	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	115	<.03	<.04
391110119460602	12-18-03	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	110	<.03	<.04
	03-18-04	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	105	<.03	<.04
	03-18-04	*<.18*	*<.1*	*<.1*	*<.06*	*<.5*	*<.04*	*<.05*	*<.1*	*105*	*<.03*	*<.04*
	06-09-04	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	120	<.03	<.04
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	109	<.03	<.04
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391127119442501	12-18-03	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	109	<.03	<.04
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	112	<.03	<.04
	06-09-04	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	99.5	<.03	<.04
	09-08-04	*<.18*	*<.1*	*<.1*	*<.06*	*<.5*	*<.04*	*<.05*	*<.1*	*115*	*<.03*	*<.04*
	09-08-04	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	114	<.03	<.04
392507119462001	12-16-03	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	111	<.03	<.04
	03-16-04	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	110	<.03	<.04
392918119464901	12-15-03	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	118	<.03	<.04
	03-16-04	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	114	<.03	<.04
	06-07-04	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	111	<.03	<.04
	09-13-04	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	116	<.03	<.04
393050119552401	12-16-03	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	113	<.03	<.04
393108119415102	12-15-03	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	114	<.03	<.04
	06-10-04	<.18	<.1	<.1	E.03	<.5	<.04	<.05	<.1	108	<.03	<.04
	09-14-04	<.18	<.1	<.1	E.02	<.5	<.04	<.05	<.1	112	<.03	<.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	[a]14Bromofluorobenzene surrog. VOC Sch wat unf pct rcv (99834)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)
390708119450301	12-17-03	<.03	<.1	<.03	73.3	<.05	<.04	<.06	<.50	<.05	<.08	<6
	03-15-04	<.03	<.1	<.03	92.6	<.05	<.04	<.06	<.50	<.05	<.08	<6
	06-08-04	<.03	<.1	<.03	98.4	<.05	<.04	<.06	<.50	<.05	<.08	<6
	09-07-04	<.03	<.1	<.03	103	<.05	<.04	<.06	<.50	<.05	<.08	<6
391030119480701	12-17-03	<.03	<.1	<.03	72.8	<.05	<.04	<.06	<.50	<.05	<.08	<6
	03-17-04	<.03	<.1	<.03	91.4	<.05	<.04	<.06	<.50	<.05	<.08	<6
	06-08-04	<.03	<.1	<.03	92.8	<.05	<.04	<.06	<.50	<.05	<.08	<6
	09-08-04	<.03	<.1	<.03	101	<.05	<.04	<.06	<.50	<.05	<.08	<6
391110119460602	12-18-03	<.03	<.1	<.03	79.3	<.05	<.04	<.06	<.50	<.05	<.08	<6
	03-18-04	<.03	<.1	<.03	87.5	<.05	<.04	<.06	<.50	<.05	<.08	<6
	03-18-04	*<.03*	*<.1*	*<.03*	*91.6*	*<.05*	*<.04*	*<.06*	*<.50*	*<.05*	*<.08*	*<6*
	06-09-04	<.03	<.1	<.03	92.1	<.05	<.04	<.06	<.50	<.05	<.08	<6
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	<.03	<.1	<.03	103	<.05	<.04	<.06	<.50	<.05	<.08	<6
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391127119442501	12-18-03	<.03	<.1	<.03	76.0	<.05	<.04	<.06	<.50	<.05	<.08	<6
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	<.03	<.1	<.03	87.7	<.05	<.04	<.06	<.50	<.05	<.08	<6
	06-09-04	<.03	<.1	<.03	92.1	<.05	<.04	<.06	<.50	<.05	<.08	<6
	09-08-04	*<.03*	*<.1*	*<.03*	*104*	*<.05*	*<.04*	*<.06*	*<.50*	*<.05*	*<.08*	*<6*
	09-08-04	<.03	<.1	<.03	102	<.05	<.04	<.06	<.50	<.05	<.08	<6
392507119462001	12-16-03	<.03	<.1	<.03	82.7	<.05	<.04	<.06	<.50	<.05	<.08	<6
	03-16-04	<.03	<.1	<.03	90.7	<.05	<.04	<.06	<.50	<.05	<.08	<6
392918119464901	12-15-03	<.03	<.1	<.03	72.7	<.05	<.04	<.06	<.50	<.05	<.08	<6
	03-16-04	<.03	<.1	<.03	90.3	<.05	<.04	<.06	<.50	<.05	<.08	<6
	06-07-04	<.03	<.1	<.03	95.2	<.05	<.04	<.06	<.50	<.05	<.08	<6
	09-13-04	<.03	<.1	<.03	95.7	<.05	<.04	<.06	<.50	<.05	<.08	<6
393050119552401	12-16-03	<.03	<.1	<.03	77.5	<.05	<.04	<.06	<.50	<.05	<.08	<6
393108119415102	12-15-03	<.03	<.1	<.03	75.9	<.05	<.04	<.06	<.50	<.05	<.08	<6
	06-10-04	<.03	<.1	<.03	86.1	<.05	<.04	<.06	<.50	<.05	<.08	<6
	09-14-04	<.03	<.1	<.03	73.3	<.05	<.04	<.06	<.50	<.05	<.08	<6

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)
390708119450301	12-17-03	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
	03-15-04	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
	06-08-04	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
	09-07-04	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
391030119480701	12-17-03	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
	03-17-04	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
	06-08-04	<1	<.02	<.03	<.12	E.03	<.1	<.3	<.04	<.03	<.1	<.2
	09-08-04	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
391110119460602	12-18-03	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
	03-18-04	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
	03-18-04	*<1*	*<.02*	*<.03*	*<.12*	*<.03*	*<.1*	*<.3*	*<.04*	*<.03*	*<.1*	*<.2*
	06-09-04	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391127119442501	12-18-03	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
	06-09-04	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
	09-08-04	*<1*	*<.02*	*<.03*	*<.12*	*<.03*	*<.1*	*<.3*	*<.04*	*<.03*	*<.1*	*<.2*
	09-08-04	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
392507119462001	12-16-03	<1	<.02	<.03	<.12	.38	<.1	<.3	<.04	<.03	<.1	<.2
	03-16-04	<1	<.02	<.03	<.12	.22	<.1	<.3	<.04	<.03	<.1	<.2
392918119464901	12-15-03	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
	03-16-04	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
	06-07-04	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
	09-13-04	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
393050119552401	12-16-03	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
393108119415102	12-15-03	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
	06-10-04	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2
	09-14-04	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	cis-1,2-Dichloroethene, water, unfltrd ug/L (77093)	cis-1,3-Dichloropropene water unfltrd ug/L (34704)	Dibromochloromethane water unfltrd ug/L (32105)	Dibromomethane water unfltrd ug/L (30217)	Dichlorodifluoromethane wat unf ug/L (34668)	Dichloromethane water unfltrd ug/L (34423)	Diethyl ether, water, unfltrd ug/L (81576)	Diisopropyl ether, water, unfltrd ug/L (81577)	Ethyl methacrylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethylbenzene water unfltrd ug/L (34371)
390708119450301	12-17-03	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	03-15-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	06-08-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	09-07-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
391030119480701	12-17-03	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	03-17-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	06-08-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	09-08-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
391110119460602	12-18-03	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	03-18-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	03-18-04	*<.02*	*<.05*	*<.1*	*<.05*	*<.18*	*<.1*	*<.1*	*<.10*	*<.2*	*<4.0*	*<.03*
	06-09-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391127119442501	12-18-03	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	06-09-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	09-08-04	*<.02*	*<.05*	*<.1*	*<.05*	*<.18*	*<.1*	*<.1*	*<.10*	*<.2*	*<4.0*	*<.03*
	09-08-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
392507119462001	12-16-03	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	03-16-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
392918119464901	12-15-03	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	03-16-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	06-07-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	09-13-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
393050119552401	12-16-03	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
393108119415102	12-15-03	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	06-10-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03
	09-14-04	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0	<.03

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Methyl acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)
390708119450301	12-17-03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	03-15-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	06-08-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	09-07-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
391030119480701	12-17-03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	03-17-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	06-08-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	09-08-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
391110119460602	12-18-03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	03-18-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	03-18-04	*<.1*	*<.1*	*<.35*	*<.4*	*<.04*	*<.8*	*<2.0*	*<.3*	*<.08*	*<.06*	*<.5*
	06-09-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391127119442501	12-18-03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	06-09-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	09-08-04	*<.1*	*<.1*	*<.35*	*<.4*	*<.04*	*<.8*	*<2.0*	*<.3*	*<.08*	*<.06*	*<.5*
	09-08-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
392507119462001	12-16-03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	03-16-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
392918119464901	12-15-03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	03-16-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	06-07-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	09-13-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
393050119552401	12-16-03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
393108119415102	12-15-03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	06-10-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5
	09-14-04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	<.06	<.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)
390708119450301	12-17-03	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06	<.06
	03-15-04	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06	<.06
	06-08-04	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06	<.06
	09-07-04	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06	<.06
391030119480701	12-17-03	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06	<.06
	03-17-04	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	E.02	<.06
	06-08-04	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	E.02	<.06
	09-08-04	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	E.02	<.06
391110119460602	12-18-03	<.7	<.1	<.04	<.04	<.06	<.04	<.05	.7	<.06	<.06	<.06
	03-18-04	<.7	<.1	<.04	<.04	<.06	<.04	<.05	.4	<.06	<.06	<.06
	03-18-04	*<.7*	*<.1*	*<.04*	*<.04*	*<.06*	*<.04*	*<.05*	*.5*	*<.06*	*<.06*	*<.06*
	06-09-04	<.7	<.1	<.04	<.04	<.06	<.04	<.05	.3	<.06	<.06	<.06
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	<.7	<.1	<.04	<.04	<.06	<.04	<.05	E.2	<.06	<.06	<.06
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391127119442501	12-18-03	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06	<.06
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06	<.06
	06-09-04	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06	<.06
	09-08-04	*<.7*	*<.1*	*<.04*	*<.04*	*<.06*	*<.04*	*<.05*	*<.2*	*<.06*	*<.06*	*<.06*
	09-08-04	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06	<.06
392507119462001	12-16-03	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06	<.06
	03-16-04	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06	<.06
392918119464901	12-15-03	<.7	<.1	<.04	<.04	<.06	<.04	<.05	E.1	<.06	E.03	<.06
	03-16-04	<.7	<.1	<.04	<.04	<.06	<.04	<.05	E.1	<.06	E.03	<.06
	06-07-04	<.7	<.1	<.04	<.04	<.06	<.04	<.05	E.1	<.06	E.04	<.06
	09-13-04	<.7	<.1	<.04	<.04	<.06	<.04	<.05	E.1	<.06	E.03	<.06
393050119552401	12-16-03	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06	<.06
393108119415102	12-15-03	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	E.01	<.06
	06-10-04	<.7	<.1	<.04	<.04	<.06	E.02	<.05	<.2	<.06	E.03	<.06
	09-14-04	<.7	<.1	<.04	<.04	<.06	E.01	<.05	<.2	<.06	E.03	<.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	[a]Toluene -d8, surrog, Sch2090 wat unf percent recovry (99833)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)
390708119450301	12-17-03	<2	.53	97.0	<.03	<.09	<.7	<.10	<.04	<.16	E.02	<.1
	03-15-04	<2	.16	97.2	<.03	<.09	<.7	<.10	<.04	<.16	E.02	<.1
	06-08-04	<2	E.02	104	<.03	<.09	<.7	<.10	<.04	<.16	<.02	<.1
	09-07-04	<2	.18	101	<.03	<.09	<.7	<.10	<.04	<.16	<.02	<.1
391030119480701	12-17-03	<2	<.05	95.3	<.03	<.09	<.7	<.10	<.04	<.16	1.39	<.1
	03-17-04	<2	<.05	94.9	<.03	<.09	<.7	<.10	<.04	<.16	1.46	<.1
	06-08-04	<2	<.05	99.2	<.03	<.09	<.7	<.10	<.04	<.16	1.40	<.1
	09-08-04	<2	<.05	102	<.03	<.09	<.7	<.10	<.04	<.16	1.55	<.1
391110119460602	12-18-03	M	<.05	96.1	<.03	<.09	<.7	<.10	<.04	<.16	<.02	<.1
	03-18-04	M	E.01	98.8	<.03	<.09	<.7	<.10	<.04	<.16	<.02	<.1
	03-18-04	*M*	*E.01*	*98.9*	*<.03*	*<.09*	*<.7*	*<.10*	*<.04*	*<.16*	*<.02*	*<.1*
	06-09-04	<2	<.05	102	<.03	<.09	<.7	<.10	<.04	<.16	<.02	<.1
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
	09-07-04	<2	.18	99.2	<.03	<.09	<.7	<.10	<.04	<.16	<.02	<.1
	09-07-04	--	--	--	--	--	--	--	--	--	--	--
391127119442501	12-18-03	<2	<.05	96.8	<.03	<.09	<.7	<.10	<.04	<.16	<.02	<.1
	03-17-04	--	--	--	--	--	--	--	--	--	--	--
	03-17-04	<2	E.01	96.1	<.03	<.09	<.7	<.10	<.04	<.16	<.02	<.1
	06-09-04	<2	<.05	93.2	<.03	<.09	<.7	<.10	<.04	<.16	<.02	<.1
	09-08-04	*<2*	*.13*	*103*	*<.03*	*<.09*	*<.7*	*<.10*	*<.04*	*<.16*	*<.02*	*<.1*
	09-08-04	<2	E.05	101	<.03	<.09	<.7	<.10	<.04	<.16	<.02	<.1
392507119462001	12-16-03	<2	<.05	97.9	<.03	<.09	<.7	<.10	<.04	<.16	2.70	<.1
	03-16-04	<2	E.01	96.5	<.03	<.09	<.7	<.10	<.04	<.16	1.62	<.1
392918119464901	12-15-03	<2	<.05	96.7	<.03	<.09	<.7	<.10	<.04	<.16	.18	<.1
	03-16-04	<2	E.01	95.5	<.03	<.09	<.7	<.10	<.04	<.16	.21	<.1
	06-07-04	<2	E.01	103	<.03	<.09	<.7	<.10	<.04	<.16	.23	<.1
	09-13-04	<2	E.07	98.2	<.03	<.09	<.7	<.10	<.04	<.16	.19	<.1
393050119552401	12-16-03	<2	E.03	96.8	<.03	<.09	<.7	<.10	<.04	<.16	1.35	<.1
393108119415102	12-15-03	<2	E.03	96.6	<.03	<.09	<.7	<.10	<.04	<.16	E.03	<.1
	06-10-04	<2	<.05	98.4	<.03	<.09	<.7	<.10	<.04	<.16	<.02	<.1
	09-14-04	<2	.28	96.2	<.03	<.09	<.7	<.10	<.04	<.16	<.02	<.1

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Alpha radioac 30 day, wat flt Th-230, pCi/L (62639)	Alpha radioac 72 hr, wat flt Th-230, pCi/L (62636)	Beta radioac 30 day, wat flt Cs-137, pCi/L (62645)	Beta radioac 72 hr, wat flt Cs-137, pCi/L (62642)	Ra-226, water, fltrd, radon method pCi/L (09511)	Ra-228, water, fltrd, pCi/L (81366)	Uranium natural water, fltrd, ug/L (22703)
390708119450301	12-17-03	--	--	--	--	--	--	--
	03-15-04	--	--	--	--	--	--	--
	06-08-04	--	--	--	--	--	--	30.7
	09-07-04	7	11	11	2	.16	M	--
391030119480701	12-17-03	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--
	06-08-04	--	--	--	--	--	--	9.21
	09-08-04	1	2	5	2	.03	M	--
391110119460602	12-18-03	--	--	--	--	--	--	--
	03-18-04	--	--	--	--	--	--	--
	03-18-04	--	--	--	--	--	--	--
	06-09-04	--	--	--	--	--	--	1,280
	09-07-04	--	--	--	--	--	--	--
	09-07-04	258	654	461	36	.43	M	--
	09-07-04	--	--	--	--	--	--	--
391127119442501	12-18-03	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--
	03-17-04	--	--	--	--	--	--	--
	06-09-04	--	--	--	--	--	--	58.2
	09-08-04	--	--	--	--	--	--	--
	09-08-04	15	12	22	8	.23	M	--
392507119462001	12-16-03	--	--	--	--	--	--	--
	03-16-04	--	--	--	--	--	--	--
392918119464901	12-15-03	--	--	--	--	--	--	--
	03-16-04	--	--	--	--	--	--	--
	06-07-04	--	--	--	--	--	--	54.9
	09-13-04	15	21	33	16	.09	M	--
393050119552401	12-16-03	--	--	--	--	--	--	--
393108119415102	12-15-03	--	--	--	--	--	--	--
	06-10-04	--	--	--	--	--	--	.60
	09-14-04	M	M	3	2	.07	M	--

Remark codes used in this table:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

[a] -- Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

NEWLANDS SHALLOW AQUIFER MONITORING PROJECT

Water-quality measurements in the following table were made in cooperation with Churchill County to monitor changes in water-quality to provide data for evaluating the effects of changes in water use.

Depths and Water Levels: Depths are referenced to land-surface datum (LSD).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Time	Sample type	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instantaneous gal/min (00059)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
392132118411002	01-21-04	1330	Environmental	30.	1.00	.10	672	.3	87	7.5	47,200
	09-14-04	1000	Environmental	30.	2.23	.10	660	--	--	7.9	34,900
392132118411004	01-26-04	1130	Environmental	15.	1.50	.10	665	--	89	7.6	23,500
	09-16-04	1030	Environmental	15.	--	.20	665	--	--	7.8	18,600
393003118402001	01-14-04	1300	Environmental	12.	5.34	.10	669	.4	4	7.4	1,130
	09-15-04	1000	Environmental	12.	--	.10	665	.9	11	7.2	1,090
393004118514201	01-12-04	1300	Environmental	29.	--	.10	666	--	--	7.6	308
	09-13-04	1300	Environmental	29.	13.78	.10	660	3.5	45	7.1	329
393006118515101	01-12-04	1100	Environmental	24.	--	.10	666	--	--	8.7	416
	09-13-04	1000	Environmental	24.	--	.20	660	1.7	21	8.3	446
393052118333501	01-14-04	1100	Environmental	12.	4.55	.05	669	--	--	6.9	1,510
	09-14-04	1300	Environmental	12.	--	.05	660	--	--	6.7	1,590
393458118431101	01-20-04	1130	Environmental	12.	--	.01	666	--	--	7.5	10,700

Date	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)
01-21-04	5.0	14.3	330	1,320	370	14,000	596	727	43.2	18,700	1.0	23.8
09-14-04	15.0	16.0	332	1,370	380	14,300	610	744	<.02	18,100	1.0	27.2
01-26-04	.0	13.0	293	632	147	6,420	341	416	17.3	7,760	.7	36.8
09-16-04	--	16.0	294	642	146	6,030	346	422	17.5	7,770	.7	39.7
01-14-04	12.0	13.9	34.4	9.53	11.5	217	382	466	.06	50.4	.6	47.7
09-15-04	19.0	17.0	28.3	7.46	12.3	241	360	439	.07	54.6	.8	52.0
01-12-04	12.0	17.0	17.9	5.12	6.31	37.6	94	116	.05	14.3	.3	28.5
09-13-04	26.0	20.0	16.8	4.44	6.18	46.2	92	112	.04	14.3	.4	32.1
01-12-04	10.0	18.0	.64	.068	3.05	97.8	153	183	.03	9.96	.4	33.9
09-13-04	17.0	17.7	.64	.065	3.55	116	144	175	.04	10.9	.4	37.4
01-14-04	12.0	13.0	101	29.5	11.2	248	501	611	.11	98.1	1.1	41.2
09-14-04	17.0	17.0	101	29.8	13.8	268	518	631	.08	95.0	1.1	50.3
01-20-04	9.0	12.0	178	139	42.1	2,720	823	1,000	1.95	1,450	1.8	65.0

Date	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Total nitrogen, wat flt by analysis, mg/L (62854)	Iron, water, fltrd, ug/L (01046)	Manganese, water, fltrd, ug/L (01056)
01-21-04	10,300	46,500	.83	<.06	<.008	.47	.32	2.14	<480	400
09-14-04	9,890	45,200	.83	<.06	<.008	.440	.45	2.16	<320	388
01-26-04	4,720	20,600	.64	<.06	<.008	.312	.20	1.34	591	504
09-16-04	5,010	20,900	1.03	<.06	<.008	.300	.22	1.88	339	477
01-14-04	146	754	<.04	1.03	.047	.165	.155	1.37	E5	42.9
09-15-04	141	757	.05	.40	.085	.136	.109	1.01	9	93.6
01-12-04	35.8	201	<.04	.60	<.008	.182	.186	.66	17	E.4
09-13-04	33.0	204	<.04	.44	E.006	.369	.36	.52	21	1.0
01-12-04	37.4	292	<.04	.14	<.008	.844	.81	.18	26	E.6
09-13-04	37.9	304	.05	<.06	E.006	.738	.76	.79	34	E.5
01-14-04	218	1,030	.11	<.06	<.008	.576	.61	.70	1,280	740
09-14-04	183	1,020	.18	<.06	<.008	.490	1.12	.84	1,230	752
01-20-04	3,750	8,950	<.04	<.06	<.008	.49	.33	1.23	<64	1,010

Remark codes used in this table:
< -- Less than
E -- Estimated value

GROUND-WATER LEVELS

NEWLANDS SHALLOW AQUIFER MONITORING PROJECT

Water-level data were collected in the Fallon area as part of a cooperative study with Churchill County. The purpose of the study is to provide data for future studies in the area and determine the hydrologic response to changes in seasonal recharge and to changes in water use.

Water Levels--Levels above LSD are listed as negative values.
Water Level Status--D, Site was dry (no water level was recorded); N, discontinued.
Water Level Method--S, steel tape; T, electric tape..

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method
101 N16 E28 01AAAA2	391705118465402	27.	3910.95	01/21/2004	26.5		T
				03/10/2004	26.5		T

NEWLANDS SHALLOW AQUIFER MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method
101 N18 E29 21BCCB1	392439118443401	30.	3934.	11/18/2003	6.7		T
				12/17/2003	7.6		T
				01/21/2004	8.4		T
				02/19/2004	8.1		T
				03/10/2004	8.2		T
				04/05/2004	8.1		T
				05/11/2004	6.7		T
				06/21/2004	6.6		T
				07/15/2004	6.6		T
				08/11/2004	6.4		T
				09/20/2004	6.68	N	S
101 N18 E29 27CDAD1	392327118425401	13.	3920.	10/07/2003	8.2		T
				11/18/2003	8.1		T
				12/17/2003	8.1		T
				01/21/2004	8.0		T
				02/19/2004	8.0		T
				03/10/2004	7.9		T
				04/05/2004	7.9		T
				05/11/2004	8.2		T
				06/21/2004	8.5		T
				07/15/2004	8.2		T
				08/11/2004	8.4		T
				09/20/2004	8.7		T
101 N18 E29 35ABCB1	392309118414601	32.	3917.	09/28/2004		N	
101 N18 E29 35ABCC1	392305118414601	128.	3917.	10/07/2003	-1.3		T
				11/18/2003	-1.4		T
				12/17/2003	-1.4		T
				01/21/2004	-1.4		T
				02/19/2004	-1.4		T
				03/10/2004	-1.49		S
				04/05/2004	-1.47		S
				05/11/2004	-1.50		S
				06/21/2004	-1.40		S
				07/15/2004	-1.29		S
				08/11/2004	-1.28		S
				09/20/2004	-1.2		S
101 N19 E27 09CCCC1	393106118580301	21.	4019.	12/18/2003	11.2		T
				03/11/2004	11.0		T
				06/22/2004	11.8		T
				09/21/2004	12.5		T
101 N19 E27 11DCAC1	393120118545501	24.	4020.56	12/18/2003		D	
				03/11/2004		D	
				06/22/2004		D	
				09/21/2004		N	
101 N19 E27 13CCB 1	393023118544101	143.	4013.58	11/18/2003	27.2		T
				12/18/2003	26.9		T
				01/22/2004	27.03		S
				02/19/2004	27.16		S
				03/11/2004	27.1		T
				04/05/2004	27.4		T
				05/11/2004		D	
				06/22/2004	28.03		S
				07/15/2004	28.18		S
				08/11/2004	28.28		S
				09/21/2004	28.16		S
101 N19 E27 13CCBB3	393023118544103	28.	4013.6	10/07/2003	12.6		T
				11/18/2003	13.4		T
				12/18/2003	13.9		T
				01/22/2004	14.5		T
				02/19/2004	15.01		S
				03/11/2004	15.3		T
				04/05/2004	15.6		T

GROUND-WATER LEVELS

NEWLANDS SHALLOW AQUIFER MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method
101 N19 E27 13CCBB3	393023118544103	28.	4013.6	05/11/2004	14.7		T
				06/22/2004	13.0		T
				07/15/2004	12.0		T
				08/11/2004	11.5		T
				09/21/2004	11.9		T
101 N19 E27 15ADDA1	393043118555101	21.	4021.73	02/19/2004		D	
				04/05/2004		D	
				06/22/2004		D	
				09/21/2004		N	
101 N19 E27 22DBAB1	392948118561101	13.	4022.	12/17/2003	11.1		T
				03/10/2004	12.3		T
				06/21/2004	10.8		T
				09/20/2004	10.8	N	T
101 N19 E27 36DDCD1	392828118534901	26.	3998.	12/17/2003	16.4		T
				03/10/2004	16.3		T
				06/21/2004	16.9		T
				09/20/2004	17.1		T
101 N19 E28 07BCBB1	393142118533201	26.	4015.22	12/18/2003	21.4		T
				03/11/2004	21.4		T
				06/22/2004	21.4		T
				09/21/2004	21.4		T
101 N19 E28 17DAAC1	393038118512201	14.	4001.52	10/07/2003	7.3		T
				11/18/2003	7.6		T
				12/18/2003	8.5		T
				01/21/2004	9.3		T
				02/19/2004	9.8		T
				03/11/2004	10.1		T
				04/05/2004	10.5		T
				05/11/2004	9.5		T
				06/22/2004	8.5		T
				07/15/2004	7.8		T
				08/11/2004	7.3		T
				09/21/2004	7.2		T
101 N19 E28 19CCCB1	392926118533001	18.	4000.	10/07/2003	6.8		T
				11/18/2003	7.4		T
				12/17/2003	7.6		T
				01/22/2004	7.9		T
				02/19/2004	8.1		T
				03/10/2004	8.3		T
				04/05/2004	8.5		T
				05/11/2004	8.0		T
				06/21/2004	7.8		T
				07/15/2004	7.7		T
				08/11/2004	7.4		T
				09/20/2004	6.6		T
101 N19 E28 20ABC 1	393004118514201	29.	4002.	11/18/2003	14.0		T
				12/18/2003	14.2		T
				01/21/2004	14.4		T
				02/19/2004	14.5		T
				03/11/2004	14.6		T
				04/05/2004	14.6		T
				05/11/2004	14.6		T
				06/22/2004	14.6		T
				07/14/2004	14.6		T
				08/11/2004	14.4		T
				09/21/2004	14.2		T
101 N19 E28 20ABDA1	393006118515101	24.	4006.	11/18/2003	13.8		T
				12/18/2003	13.8		T
				01/21/2004	14.0		T
				02/19/2004	14.2		T
				03/11/2004	14.3		T
				04/05/2004	14.5		T

NEWLANDS SHALLOW AQUIFER MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method
101 N19 E28 20ABDA1	393006118515101	24.	4006.	05/11/2004	14.8		T
				06/22/2004	14.9		T
				07/15/2004	14.8		T
				08/11/2004	14.6		T
				09/21/2004	14.4		T
101 N19 E28 23DCCA1	392925118482001	30.	3975.	10/07/2003	13.9		T
				11/18/2003	14.2		T
				12/18/2003	14.7		T
				01/21/2004	15.1		T
				02/19/2004	15.3		T
				03/11/2004	15.4		T
				04/05/2004	15.6		T
				05/11/2004	14.5		T
				06/22/2004	14.5		T
				07/15/2004	14.4		T
				08/11/2004	13.7		T
				09/21/2004	14.6		T
101 N19 E28 32BAAB1	392829118520001	13.	3996.	10/07/2003	7.7		T
				11/18/2003	8.0		T
				12/17/2003	8.9		T
				01/22/2004	9.6		T
				02/19/2004	9.9		T
				03/05/2004	8.8		T
				03/10/2004	10.1		T
				06/21/2004	7.1		T
				07/15/2004	7.2		T
				08/11/2004	7.6		T
				09/20/2004	7.9		T
101 N19 E28 34BCAA1	392817118495501	13.	3980.	01/22/2004	5.3		T
				03/10/2004	5.7		T
				06/21/2004	4.7		T
				09/20/2004	4.4		T
101 N19 E29 02BABB1	393252118415901	21.	3927.38	12/18/2003	9.6		T
				03/11/2004	10.5		T
				06/22/2004	9.3		T
				09/21/2004	9.5		T
101 N19 E29 14ACB 2	393049118413501	12.	3931.36	12/18/2003		D	
				03/11/2004		D	
				06/22/2004		D	
				09/21/2004		D	
				09/21/2004		N	
101 N19 E29 23CCDC1	392924118420901	19.	3937.	12/18/2003	7.2		T
				03/11/2004	7.7		T
				06/22/2004	6.4		T
				09/21/2004	6.3	N	T
101 N19 E29 24ABDD1	393003118402001	12.	3920.	10/07/2003	6.0		T
				11/18/2003	5.7		T
				12/18/2003	5.6		T
				01/21/2004	5.5		T
				02/19/2004	5.4		T
				03/11/2004	5.3		T
				04/05/2004	5.0		T
				05/11/2004	5.8		T
				06/22/2004	6.4		T
				07/15/2004	7.3		T
				08/11/2004	7.6		T
				09/21/2004	8.0		T
101 N19 E29 33ABAC1	392825118435501	28.	3949.02	12/18/2003	9.1		T
				05/11/2004	7.2		T
				06/21/2004	7.3		T
				09/20/2004	7.4		T

GROUND-WATER LEVELS

NEWLANDS SHALLOW AQUIFER MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method
101 N19 E29 35DAA 1	392759118411601	10.	3935.59	12/18/2003	7.1		T
				03/11/2004	7.4		T
				06/21/2004	7.3		T
				09/20/2004	6.8		T
101 N19 E30 10CDDA1	393114118361001	15.	3904.	12/18/2003	5.5		T
				03/11/2004	5.6		T
				06/22/2004	5.0		T
				09/21/2004	6.0	N	T
101 N19 E30 13ACAA1	393052118333501	12.	3900.	10/07/2003	4.0		T
				11/18/2003	3.9		T
				12/17/2003	4.6		T
				01/21/2004	5.2		T
				02/19/2004	5.5		T
				03/10/2004	5.7		T
				04/05/2004	5.9		T
				05/11/2004	4.0		T
				06/21/2004	3.2		T
				07/15/2004	2.3		T
				08/11/2004	3.6		T
				09/20/2004	3.8		T
101 N19 E30 23DBDD2	392938118344301	11.	3908.79	10/07/2003	3.4		T
				11/18/2003	4.1		T
				12/17/2003	4.9		T
				01/21/2004	5.5		T
				02/19/2004	6.0		T
				03/10/2004	6.2		T
				04/05/2004	6.6		T
				05/11/2004	3.8		T
				06/21/2004	4.1		T
				07/15/2004	4.3		T
				08/11/2004	3.0		T
				09/20/2004	3.6		T
101 N19 E30 33ABAB2	392828118370702	18.	3917.36	12/18/2003	8.8		T
				03/10/2004	8.7		T
				06/21/2004	8.7		T
				09/20/2004	9.1	N	T
101 N19 E30 34BAA 1	392828118361201	25.	3914.19	10/07/2003	9.8		T
				11/18/2003	9.8		T
				12/18/2003	9.8		T
				01/21/2004	9.8		T
				02/19/2004	9.8		T
				03/10/2004	9.7		T
				04/05/2004	9.6		T
				05/11/2004	9.5		T
				06/21/2004	9.6		T
				07/15/2004	9.8		T
				08/11/2004	9.9		T
				09/20/2004	10.0		T
101 N19 E30 34BAA 2	392828118361202	13.	3914.18	10/07/2003	9.8		T
				11/18/2003	9.8		T
				12/18/2003	9.8		T
				01/21/2004	9.8		T
				02/19/2004	9.7		T
				03/10/2004	9.7		T
				04/05/2004	9.6		T
				05/11/2004	9.5		T
				06/21/2004	9.6		T
				07/15/2004	9.8		T
				08/11/2004	9.9		T
				09/20/2004	10.0		T
101 N19 E31 16BBDB1	393106118305301	25.	3897.	12/18/2003	4.9		T
				03/10/2004	4.3		T
				06/22/2004	4.6		T
				09/20/2004	5.1		T

NEWLANDS SHALLOW AQUIFER MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
				Date	(Feet)	Status	Method
101 N19 E31 16BCAA1	393056118304901	30.	3903.	01/21/2004	5.4		T
				03/10/2004	5.4		T
				06/22/2004	6.5		T
				09/20/2004	6.2		T
101 N20 E29 22CBAC1	393458118431101	12.	3914.02	10/07/2003	10.0		T
				11/18/2003	9.6		T
				12/18/2003	9.5		T
				01/21/2004	9.4		T
				02/19/2004	9.3		T
				03/11/2004	9.2		T
				05/11/2004	9.3		T
				06/22/2004	9.9		T
				07/15/2004	10.2		T
				09/21/2004	10.3		T
101 N20 E31 07BDCA1	393651118325701	20.	3884.82	12/18/2003	14.2		T
				03/11/2004	13.6		T
				06/22/2004	14.2		T
				09/20/2004	15.0		T
101 N20 E31 33CACB3	393311118304703	28.	3890.44	12/18/2003	2.4		T
				03/10/2004	4.0		T
				06/22/2004	4.6		T
				09/20/2004	3.8		T

Ground water quality data in this table were collected in Spanish Springs Valley as part of a cooperative study with the Washoe County Department of Water Resources. The purpose of this study is to determine an estimate of the amount of nitrogen entering the ground water from septic tank systems in the valley by collection of water quality data from lysimeters and ground water wells near septic systems.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Station name	Date	Time	Sample type	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Tur-bidity, water, unfltrd field, NTU (61028)	Dis-solved oxygen, mg/L (00300)
393734119433001	085 N20 E20 03CADA1	04-27-04	0845	Environmental	120.	82.04	20	7.3
393750119431801	085 N20 E20 03ACAC1	04-26-04	1352	Environmental	87.	57.34	54	7.6
393801119431101	085 N20 E20 03ABDA1	04-26-04	1228	Environmental	77.	44.77	29	5.2
393812119423801	085 N21 E20 35CDCC1	08-26-04	1002	Environmental	45.	--	--	--
		09-28-04	1550	Environmental	45.	--	--	--
		09-28-04	1555	**Replicate**	*45.*	--	--	--
393813119424001	085 N21 E20 35CCDA1	08-26-04	0915	Environmental	45.	--	--	--
		09-28-04	1415	Environmental	45.	--	--	--
393820119422101	085 N21 E20 35CDAA1	04-28-04	1222	Environmental	110.	30.21	91	3.6
393820119422102	085 N21 E20 35 CDA 2	04-28-04	1340	Environmental	46.55	29.68	3.8	8.0
393821119415201	085 N21 E20 35DDAB1	04-27-04	1246	Environmental	56.	36.13	95	6.7
		09-27-04	0923	Environmental	56.	--	--	--
393822119413001	085 N21 E20 35CDBB1	04-06-04	1710	Environmental	78.	25.28	130	13.4
	085 N21 E20 35CDBB1	09-27-04	0950	Environmental	78.	--	--	--
393822119413002	085 N21 E20 36CDBB2	04-06-04	1100	Environmental	117.	25.35	45	17.2
393822119413003	085 N21 E20 35CDB 3	04-07-04	0855	Environmental	48.30	21.75	6.0	8.6
393822119421501	085 N21 E20 35DCBA1	09-27-04	1057	Environmental	65.	--	--	--
393823119431501	085 N21 E20 34DBDD1	04-26-04	1052	Environmental	70.	42.12	48	8.6
393829119424501	085 N21 E20 35CBAC1	09-28-04	1620	Environmental	45.	--	--	--
		09-28-04	1625	**Replicate**	*45.*	--	--	--
393831119423901	085 N21 E20 35CBAD1	04-28-04	1503	Environmental	70.	32.10	12	7.8
393831119424701	085 N21 E20 35CBAC1	08-27-04	1300	Environmental	48.	--	--	--
393836119433501	085 N21 E20 34BDDC1	04-27-04	1004	Environmental	93.	57.09	9.8	6.8
393844119420401	085 N12 E20 35ACAD1	04-26-04	0912	Environmental	90.	59.44	68	11.3
393851119424401	085 N21 E20 35BBDC1	04-14-04	1158	Environmental	70.	40.03	110	10.7

Station number	Date	Time	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Chlor-ide, water, fltrd, mg/L (00940)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)
393734119433001	04-27-04	0845	6.7	1,080	18.0	86.3	<.04	23.5	<.008	23.5
393750119431801	04-26-04	1352	7.0	1,670	24.7	118	<.04	19.7	<.008	19.1
393801119431101	04-26-04	1228	7.1	126	23.8	164	<.04	12.6	<.008	11.5
393812119423801	08-26-04	1002	--	--	--	29.2	<.04	4.51	<.008	4.66
	09-28-04	1550	--	--	--	21.3	<.04	3.57	<.008	3.60
	09-28-04	1555	--	--	--	*21.2*	*<.04*	*3.56*	*<.008*	*3.55*
393813119424001	08-26-04	0915	--	--	--	123	E.03	11.5	.334	12.6
	09-28-04	1415	--	--	--	98.2	<.04	13.7	.012	13.3
393820119422101	04-28-04	1222	7.0	926	17.5	144	<.04	4.07	<.008	3.97
393820119422102	04-28-04	1340	7.1	2,040	17.9	328	<.04	16.9	<.008	17.7
393821119415201	04-27-04	1246	7.1	1,770	23.2	184	<.04	19.2	<.008	19.4
	09-27-04	0923	--	--	--	189	<.04	20.7	<.008	19.7
393822119413001	04-06-04	1710	7.2	792	18.3	17.8	<.04	7.31	E.004	7.34
	09-27-04	0950	--	--	--	122	<.04	7.42	.010	7.52
393822119413002	04-06-04	1100	7.5	341	16.9	21.8	<.04	5.49	<.008	5.37
393822119413003	04-07-04	0855	7.2	1,390	20.0	148	<.04	9.42	<.008	9.44
393822119421501	09-27-04	1057	--	--	--	146	<.04	8.28	E.004	8.30
393823119431501	04-26-04	1052	7.2	2,640	21.4	353	<.04	9.45	<.008	9.54
393829119424501	09-28-04	1620	--	--	--	300	.04	32.4	.010	31.9
	09-28-04	1625	--	--	--	*300*	*E.04*	*32.1*	*.011*	*34.1*
393831119423901	04-28-04	1503	7.0	1,680	18.1	165	<.04	37.6	<.008	35.6
393831119424701	08-27-04	1300	--	--	--	302	<.04	34.4	.017	33.6
393836119433501	04-27-04	1004	7.2	1,400	22.0	157	<.04	38.5	<.008	35.7
393844119420401	04-26-04	0912	7.3	1,170	19.7	211	<.04	14.9	<.008	14.2
393851119424401	04-14-04	1158	7.5	893	15.6	153	<.04	9.93	<.008	9.96

Remark codes used in this table:
< -- Less than
E -- Estimated value

QUALITY OF GROUND WATER

SPANISH SPRINGS

Lysimeter water quality data in this table were collected in Spanish Springs Valley as part of a cooperative study with the Washoe County Department of Water

Walker Lake is a perennial, natural terminal lake that became at-risk because of upstream agricultural diversions. Between 1882 and 1994, upstream diversions caused Walker Lake to decline about 140 feet and the total dissolved solids (TDS) concentrations to increase from 2,500 mg/L to 13,300 mg/L. The Lahontan cutthroat trout (LCT), a threatened species that is native to Walker Lake, has adapted to the high TDS of terminal basins. However, diversions have lowered lake levels and increased TDS to concentrations that threaten the survival of the LCT. The objectives of this project are to develop (1) an improved water budget for Walker Lake and (2) the capability to predict how changes in irrigation practices in and below Mason Valley will affect flows in the lower Walker River so alternatives for supplementing flows can be evaluated.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Station name	Date	Time	Sample type	Instantaneous discharge, cfs (00061)
10293500	EAST WALKER RIVER ABOVE STROSNIDER DITCH NEAR MASON, NV	03-08-04	1200	Environmental	33
10300000	WEST WALKER RIVER NEAR HUDSON, NV	03-08-04	0950	Environmental	45
10301500	WALKER RIVER NEAR WABUSKA, NV	03-08-04	1430	Environmental	24
		03-08-04	1435	**Replicate**	--
10301600	WALKER RIVER ABOVE WEBER RESERVOIR NEAR SCHURZ, NV	03-08-04	1715	Environmental	21
		03-08-04	1850	**Blank**	--
10301720	WALKER RIVER AT PT SITE BELOW WEBER RESERVOIR NEAR SCHURZ, NV	03-09-04	0900	Environmental	2.6
10302002	WALKER RIVER AT LATERAL 2-A SIPHON NEAR SCHURZ, NV	03-09-04	1130	Environmental	.52
10302005	WALKER RIVER AT POWERLINE CROSSING NEAR SCHURZ, NV	03-09-04	1400	Environmental	1.2
10302025	WALKER RIVER NEAR MOUTH AT WALKER LAKE	03-09-04	1640	Environmental	1.7

Date	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)
03-08-04	652	10.5	113	7.4	350	18.0	11.6	31.6	7.15	4.67	32.6	117	145
03-08-04	652	10.3	93	7.5	503	14.0	9.0	40.5	10.3	4.35	52.9	150	183
03-08-04	657	8.5	107	7.5	484	--	19.0	39.2	9.24	5.08	52.1	147	179
03-08-04	--	--	--	--	--	--	--	*38.3*	*9.10*	*4.98*	*50.4*	--	--
03-08-04	659	9.1	101	7.4	455	--	13.3	36.9	8.95	4.62	46.3	150	182
03-08-04	--	--	--	--	--	--	--	*.02*	*<.008*	*<.16*	*<.10*	--	--
03-09-04	660	6.2	64	7.6	511	--	10.5	36.6	8.17	4.99	62.8	190	232
03-09-04	659	6.6	72	7.5	552	--	12.4	46.5	11.3	5.81	59.1	191	233
03-09-04	658	6.3	75	7.6	629	--	16.7	55.0	14.1	8.69	61.4	209	255
03-09-04	660	7.7	93	8.1	1,040	--	17.1	42.8	12.8	11.7	168	271	338

Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Manganese, water, fltrd, ug/L (01056)
03-08-04	7.09	.5	20.4	44.3	225	57	115
03-08-04	34.2	.9	20.5	45.1	308	12	140
03-08-04	25.0	.8	19.9	56.1	301	E5	19.2
03-08-04	*25.4*	*.8*	*19.6*	*55.9*	*302*	*E4*	*18.5*
03-08-04	20.8	.8	13.9	48.4	278	10	344
03-08-04	*<.20*	*<.2*	*<.04*	*<.2*	*<10*	*<6*	*.9*
03-09-04	19.8	.8	25.6	44.1	320	E6	985
03-09-04	22.2	.7	14.6	53.2	341	7	178
03-09-04	24.9	.6	32.1	77.7	404	E6	63.4
03-09-04	64.5	1.9	31.2	152	666	20	78.4

Remark codes used in this table:
< -- Less than
E -- Estimated value

Walker Lake is a perennial, natural terminal lake that became at-risk because of upstream agricultural diversions. Between 1882 and 1994, upstream diversions caused Walker Lake to decline about 140 feet and the total dissolved solids (TDS) concentrations to increase from 2,500 mg/L to 13,300 mg/L. The Lahontan cutthroat trout (LCT), a threatened species that is native to Walker Lake, has adapted to the high TDS of terminal basins. However, diversions have lowered lake levels and increased TDS to concentrations that threaten the survival of the LCT. The objectives of this project are to develop (1) an improved water budget for Walker Lake and (2) the capability to predict how changes in irrigation practices in and below Mason Valley will affect flows in the lower Walker River so alternatives for supplementing flows can be evaluated.

Water Level Status--D, site was dry (no water-level recorded); F, flowing; R, the same site had been pumped recently; S, a nearby site that taps the same aquifer was being pumped; T, nearby site that taps the same aquifer has been recently pumped; V, foreign substance; Z, other.
Water Level Method--R, reported; S, steel tape; T, electric tape.
Reporting Agency--NV003, Nevada Division of Water Resources; USGS, U.S. Geological Survey
Water Level Accuracy--0, water level accurate to the nearest foot; 1, water level accurate to the nearest tenth of a foot; 2, water level accurate to the nearest one-hundreth of a foot.

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Reporting Agency	Accuracy
107 N10 E23 01CBCA1	384521119220201	63.	4838.	03/04/2004	42.21		T	USGS	1
107 N10 E23 01CBCA2	384522119220101	245.	4840.	03/04/2004	54.81		S	USGS	2
107 N10 E23 02BDDD1	384532119224301	62.5	4820.	03/08/2004	27.43		T	USGS	1
107 N10 E24 03BBAB1	384553119173101	400.	4915.	03/08/2004	137.29		T	USGS	1
107 N10 E24 05ACDD1	384530119190401		4870.	03/03/2004	126.43		T	USGS	1
107 N10 E24 08CBCA1	384426119194601	504.	4940.	03/04/2004	134.09		S	NV003	2
107 N10 E24 09BACC1	384459119174401	652.	4915.	03/01/2004	188.8		T	USGS	1
				03/30/2004	168.06		S	USGS	2
107 N10 E24 16ACCC1	384350119172301	486.	5000.	03/04/2004	185.87		S	NV003	2
107 N10 E24 17CCAA1	384326119193701	490.	4985.	03/04/2004	194.40		S	NV003	2
107 N10 E24 18BACD1	384356119203501	536.	5000.	03/04/2004	203.57		S	NV003	2
107 N10 E24 21DDAD1	384232119174001		5080.	03/08/2004	152.91		T	USGS	1
107 N10 E24 29ACAC1	384208119190601		5140.	03/08/2004	107.28		T	USGS	1
107 N10 E24 32CDBC1	384047119192801	542.	5420.	03/01/2004	333.17		T	USGS	1
107 N11 E23 01CCCC1	385016119214801	128.	4790.	03/05/2004	31.98		S	NV003	2
107 N11 E23 02ADDD1	385040119212301	537.	4780.	03/05/2004	58.76		S	NV003	2
107 N11 E23 02BBCC1	385057119220701	412.	4775.	03/04/2004	44.41		S	NV003	2
				03/09/2004	54.85		S	USGS	2
107 N11 E23 02CCBB1	385030119220501	546.	4780.	03/04/2004	76.70	T	S	NV003	2
107 N11 E23 03CBBC1	385035119240001	580.	4881.	03/04/2004	151.06	T	S	NV003	2
107 N11 E23 10ACBB1	385001119223901	385.	4840.	03/04/2004	108.57	T	S	NV003	2
107 N11 E23 12CBBB1	384949119204901	585.	4790.	03/05/2004	60.03		S	NV003	2
107 N11 E23 15CBAA1	384855119234801	510.	4820.	03/04/2004	55.90		S	NV003	2
107 N11 E23 22ADAA1	384820119230000	420.	4800.	03/09/2004	60.40		S	USGS	2
107 N11 E23 22DDCC1	384741119231801	145.	4820.	03/09/2004	22.87		S	USGS	2
107 N11 E23 23BCBB1	384830119220501	420.	4770.	03/04/2004	58.67		S	NV003	2
107 N11 E23 24DDDD1	384743119204901	760.	4760.	03/04/2004	23.17		S	NV003	2
107 N11 E23 27CACA1	384708119235001	220.	4930.	03/08/2004	166.58		S	USGS	2
107 N11 E23 27CDDC1	384650119234501	412.	4880.	12/15/2003	125.8		R	USGS	0
				03/08/2004	114.72		S	USGS	2
107 N11 E24 02CCCB1	385024119162101	148.	4700.	03/09/2004	23.5		T	USGS	1
107 N11 E24 08CCBC1	384935119194001	19.	4720.	03/03/2004	8.40		T	USGS	1
107 N11 E24 09DCBD1	384933119175601	280.	4730.	03/04/2004	16.36		T	USGS	1
107 N11 E24 18AADA1	394918119194601		4720.	03/12/2004	4.75		T	USGS	1
107 N11 E24 18AADB1	384919119195001		4720.	03/12/2004		F		USGS	
107 N11 E24 20BCDC1	384811119193101	25.	4760.	03/04/2004	11.66		T	USGS	1
107 N11 E24 21BCDA1	384812119182201	140.	4825.	03/04/2004	89.50		T	USGS	1
107 N11 E24 22BAAD1	384828119165901	340.	4840.	03/12/2004	93.76		T	USGS	1
107 N11 E24 30CBBB1	384714119204701	28.	4770.	03/03/2004	9.72		T	USGS	1
107 N11 E24 30DBCB1	384707119200901	250.	4830.	03/04/2004	55.99		S	NV003	2
107 N11 E24 32BBDD1	384637119192201	580.	4830.	03/04/2004	85.03		S	NV003	2
				03/09/2004	85.02		T	USGS	1
107 N11 E24 32CBAD1	384619119192301	140.	4845.	03/30/2004	93.05		T	USGS	1
107 N11 E24 32DCCD1	384557119190401	498.	4860.	03/30/2004	122.67	R	S	USGS	2
107 N11 E24 33CCCC1	384558119183101	300.	4900.	03/31/2004	163.85		T	USGS	1
				03/31/2004	163.85		S	USGS	2

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Reporting Agency	Accuracy
107 N11 E24 33DAAD1	384618119173201	370.	4900.	03/01/2004	136.73		T	USGS	1
107 N12 E23 04DAAA1	385557119240801	301.	4620.	03/10/2004		F		USGS	
107 N12 E23 24CB 1	385314119205901	287.	4760.	03/30/2004	11.59		S	USGS	2
107 N12 E23 26ABAD1	385249119221401	340.	4750.	03/11/2004	15.07		T	USGS	1
107 N12 E23 27AADD1	385243119230601		4740.	03/10/2004	35.46		S	USGS	2
107 N12 E23 28CABC1	385225119245901		4800.	03/09/2004	64.48		T	USGS	1
107 N12 E23 29ADDC1	385231119252101	150.	4840.	03/10/2004	136.27		S	USGS	2
107 N12 E23 33BADC1	385151119245201	176.	4860.	03/09/2004	128.32		T	USGS	1
107 N12 E23 34ACCC1	385834119322301	400.	4790.	03/04/2004	62.54		S	NV003	2
107 N12 E23 34BACB1	385205119225401	423.	4765.	03/04/2004	57.90		S	NV003	2
107 N12 E23 36BDBD1	385141119212701	252.	4766.	03/04/2004	21.91		S	NV003	2
107 N12 E23 36DCDC1	385109119210701	495.	4782.	03/04/2004	68.62		S	NV003	2
107 N12 E24 27DACB1	385222119154601	363.	4980.	03/09/2004	279.75		T	USGS	1
107 N12 E24 31BACB1	385201119193601	540.	4807.	03/04/2004	92.04		S	NV003	2
107 N12 E24 31DBBA1	385130119192001	587.	4810.	03/04/2004	100.00		S	NV003	2
107 N13 E23 22DBCD1	385825119232401	320.	4730.	03/10/2004	113.52		S	USGS	2
107 N13 E23 27ADCD1	385745119230501	400.	4630.	03/05/2004	33.14		S	NV003	2
107 N13 E23 34BACC1	385704119234501	277.	4604.	03/10/2004		F		USGS	
107 N13 E24 18CACC1	385916119202901	139.	4730.	03/10/2004	122.02		T	USGS	1
107 N13 E24 19AAAD1	385857119194601	170.	4720.	03/10/2004	109.76		T	USGS	1
107 N13 E24 21BCCD1	385838119182701	280.	4780.	03/05/2004	172.42		S	NV003	2
107 N13 E24 21BCCD1	385838119182701	280.	4780.	03/10/2004	172.29		T	USGS	1
107 N13 E24 30AACC1	385759119200001		4620.	03/05/2004	23.86	V	S	NV003	2
107 N13 E24 30ADDD1	385741119194701	440.	4620.	03/05/2004	21.17		S	NV003	2
107 N15 E25 21CADD2	390848119112501		4280.	03/03/2004	2.78		S	USGS	2
108 N11 E25 01ACCB1	385047119080401	526.	4550.	02/25/2004	73.68		S	NV003	2
108 N11 E25 02CDDD1	385018119091101	554.	4547.	02/25/2004	72.78		S	NV003	2
108 N11 E25 10DBCD1	384942119100801	597.	4567.	02/24/2004	97.60		T	USGS	1
				02/25/2004	96.62		S	NV003	2
				03/30/2004	111.37	S	S	USGS	2
108 N11 E25 11AACC1	385003119085201	256.	4562.	02/25/2004	96.21		S	NV003	2
108 N11 E25 26BADB1	384726119083501	400.	4826.	02/23/2004		D		USGS	
108 N12 E25 01BDDD1	385556119080901		4445.	02/23/2004	57.77		S	USGS	2
108 N12 E25 03CBBA1	385555119103701	334.	4419.	03/04/2004	16.04		S	USGS	2
108 N12 E25 08DCA 1	385451119122201	132.	4580.	03/04/2004	117.33		T	USGS	1
108 N12 E25 09BBBB1	385528119120101	229.	4560.	03/04/2004	79.89		T	USGS	1
108 N12 E25 09CABC1	385500119114201		4460.	03/04/2004	32.83		S	USGS	2
108 N12 E25 09CACC4	385455119114501	140.	4460.	03/04/2004	39.32		T	USGS	1
108 N12 E25 09CCCD1	385439119115401		4500.	03/04/2004	71.79		T	USGS	1
108 N12 E25 09DDDA1	385453119100601	307.	4432.	03/04/2004	15.45		S	USGS	2
108 N12 E25 11CACD1	385456119091901	245.	4436.	02/25/2004	22.05		S	NV003	2
108 N12 E25 12CDAA1	385447119075901	102.	4470.	02/25/2004	62.35		S	NV003	2
108 N12 E25 15DB 1	385410119100401	310.	4440.	02/25/2004	20.11		S	NV003	2
108 N12 E25 23DCC 1	385255119090501	325.	4460.	02/25/2004	18.79		S	NV003	2
108 N12 E25 24BBCC1	385332119083701		4462.	02/23/2004	16.54		S	USGS	2
108 N12 E25 25ABBB1	385252119080701		4482.	02/23/2004	18.20		T	USGS	1
108 N12 E25 25CDDD1	385201119080901		4480.	02/23/2004	20.20		S	USGS	2
108 N12 E25 27DAAA1	385225119094801		4458.	02/25/2004	20.58		S	NV003	2
108 N12 E25 33ACBD1	385142119111301	68.	4491.	02/24/2004	25.01		T	USGS	1
108 N12 E25 34ADAA1	385148119094801		4468.	02/24/2004	12.62		S	USGS	2
108 N12 E25 35DCDD2	385109119085601		4510.	02/25/2004	34.03		S	NV003	2
108 N12 E26 03BBAD1	385616119035901		4616.	02/24/2004	209.80		T	USGS	1
108 N12 E26 03BDCC1	385551119031001	462.	4675.	02/24/2004	264.28		T	USGS	1
108 N12 E26 06ADBB1	385557119055401	245.	4478.	02/24/2004	96.59		T	USGS	1
108 N13 E25 01DBCC1	390057119080001	570.	4365.	02/24/2004	20.35		S	NV003	2
108 N13 E25 04CBAB1	390108119114801	455.	4363.	03/01/2004	22.74		S	USGS	2
108 N13 E25 06ADB 1	390116119131301		4390.	03/01/2004	83.58		T	USGS	1
108 N13 E25 06DDB 1	390054119131301	190.	4465.	03/01/2004	130.65		T	USGS	1
108 N13 E25 10CDB 1	390004119103001	328.	4375.	02/25/2004	10.34		S	NV003	2
108 N13 E25 11ACBD2	390026119090401	435.	4371.	02/24/2004	15.35		S	NV003	2
108 N13 E25 11CBDA1	390008119093801		4377.	02/27/2004	10.59		T	USGS	1
108 N13 E25 13CCCD1	385904119083001	306.	4380.	02/24/2004	15.75		S	NV003	2

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Reporting Agency	Accuracy
108 N13 E25 13DDDD1	385903119073001	280.	4370.	02/24/2004	19.51		S	NV003	2
108 N13 E25 15DBDD1	385912119100501	15.	4385.	02/24/2004	10.83		T	USGS	1
108 N13 E25 23DDDC1	385809119084401	308.	4394.	02/24/2004	20.36		S	NV003	2
108 N13 E25 25CDDA2	385717119080901	106.	4415.	02/24/2004	31.63		S	NV003	2
108 N13 E25 26DDCC1	385720119085001	160.	4405.	02/25/2004	25.25		S	NV003	2
108 N13 E25 27ABDB1	385759119101001	260.	4400.	03/04/2004	15.00		T	USGS	1
108 N13 E25 27DCCD2	385718119101301	440.	4410.	02/25/2004	18.81		S	NV003	2
108 N13 E25 36DCCA1	385633119074201	255.	4434.	02/25/2004	51.77		S	NV003	2
108 N13 E26 02BBCC1	390127119030001	203.	4408.	02/24/2004	88.54		S	NV003	2
108 N13 E26 08CACA1	390011119060201	130.	4372.	02/24/2004	24.16		S	NV003	2
108 N13 E26 09DBCC1	390006119043901	166.	4390.	02/24/2004	65.98		S	NV003	2
108 N13 E26 18ACCB1	385929119065901		4370.	02/27/2004	19.40		S	USGS	2
108 N13 E26 18DBCB1	385918119070001		4370.	02/27/2004	22.85		S	USGS	2
108 N13 E26 31DDCD1	385628119063301	172.	4460.	02/25/2004	83.51		S	NV003	2
108 N13 E26 31DDDD1	385623119062801		4475.	02/24/2004	87.00		S	USGS	2
108 N13 E26 34BCCD1	385651119031301		4583.	02/24/2004	170.25		T	USGS	1
108 N14 E23 01ACAA1	390633119211201		4987.	03/05/2004	114.74		S	NV003	2
108 N14 E24 01ACDD1	390625119142801		4318.	03/01/2004	52.08		S	USGS	2
108 N14 E25 01DDDD1	390558119141101		4321.	03/01/2004	55.80		T	USGS	1
108 N14 E25 03DDDC2	390558119094702	604.	4326.	02/23/2004	20.23		S	NV003	2
108 N14 E25 04DACC1	390611119110301	451.	4315.	02/23/2004	16.61	V	S	NV003	2
108 N14 E25 08ADDC1	390531119115901	523.	4320.	02/23/2004	22.33		S	NV003	2
				04/19/2004	29.91		S	USGS	2
108 N14 E25 08DCCC1	390507119122801	348.	4320.	02/23/2004	29.06		S	NV003	2
108 N14 E25 10ACDD1	390531119100101		4330.	03/02/2004	22.50		S	USGS	2
108 N14 E25 10ADDD1	390530119094501		4330.	03/02/2004	23.17		S	USGS	2
108 N14 E25 10CCDA1	390509119103401	460.	4332.	02/23/2004	21.96		S	NV003	2
108 N14 E25 15CCDD1	390413119103601		4344.	03/02/2004	25.46		S	USGS	2
108 N14 E25 16DCCB1	390416119112401	25.	4337.	03/02/2004	17.70		T	USGS	1
108 N14 E25 16DCCB2	390416119112402	73.	4335.	03/02/2004	18.66		T	USGS	1
108 N14 E25 18DCBB1	390415119132801	73.	4345.	02/23/2004	56.06		S	NV003	2
108 N14 E25 20DCBA1	390329119122701		4350.	03/01/2004	35.17		T	USGS	1
108 N14 E25 23CADB1	390336119091901		4350.	02/27/2004	12.69		T	USGS	1
108 N14 E25 25BDCD1	390253119081601	510.	4355.	02/27/2004	16.00		S	USGS	2
108 N14 E25 27ACCD1	390225119100801	320.	4357.	02/24/2004	18.20		S	NV003	2
108 N14 E25 27CDDC1	390319119102401		4351.	03/02/2004	18.42		S	USGS	2
108 N14 E25 29DCBC1	390233119122401	150.	4390.	02/24/2004	60.64		S	NV003	2
108 N14 E25 29DCCB1	390230119123301	122.	4380.	03/01/2004	49.32		T	USGS	1
108 N14 E25 32DCDC1	390135119122201	178.	4357.	03/01/2004	17.06		S	USGS	2
108 N14 E25 33CDDC1	390135119113501	504.	4357.	03/01/2004	26.06		S	USGS	2
108 N14 E25 34CBCA2	390152119104401	415.	4365.	02/24/2004	25.08		S	NV003	2
108 N14 E26 03DCBC1	390606119032901	160.	4325.	02/24/2004	7.82		S	NV003	2
108 N14 E26 03DCDD1	390601119031701	160.	4330.	02/24/2004	10.89		S	NV003	2
108 N14 E26 14BCAB1	390453119025301		4330.	02/27/2004	14.95		S	USGS	2
108 N14 E26 18BACA1	390437119065601	550.	4330.	02/27/2004	38.54		S	USGS	2
108 N14 E26 20BAAA1	390411119055401		4341.	02/27/2004	18.25		S	USGS	2
108 N14 E26 22AADA1	390406119030601		4340.	02/27/2004	18.35		T	USGS	1
108 N14 E26 23CBCC1	390336119030201	60.	4340.	02/27/2004	19.90		S	USGS	2
108 N14 E26 26CCDD1	390231119024501	250.	4415.	02/24/2004	93.74		S	NV003	2
108 N14 E26 29DCAA1	390239119053701		4350.	02/27/2004	16.79		S	USGS	2
108 N14 E26 30BCDD1	390255119071701	411.	4352.	02/27/2004	14.01		S	USGS	2
108 N14 E26 31DCCC2	390137119065402	400.	4360.	02/24/2004	16.53		S	NV003	2
108 N14 E26 32BCCC1	390201119062001	120.	4355.	02/24/2004	13.07		S	NV003	2
108 N14 E26 32BCCC2	390201119062002	249.	4355.	02/24/2004	13.12		S	NV003	2
108 N14 E26 32BDDD1	390203119055101	104.	4356.	02/24/2004	16.72		S	NV003	2
108 N15 E24 32ADAD1	390723119194801		4874.	03/05/2004	115.88		S	USGS	2
108 N15 E24 36DDDA1	390653119141401	341.	4310.	03/01/2004	27.05		T	USGS	1
108 N15 E25 11DCAC1	391004119093201		4318.	03/03/2004	79.71		T	USGS	1
108 N15 E25 21CAAD1	390855119112501		4820.	03/03/2004	3.05		S	USGS	2
108 N15 E25 21CADD1	390829119112901	400.	4289.	03/03/2004	1.42		S	USGS	2
108 N15 E25 27BBCB1	390802119103601		4292.	03/03/2004	2.80		S	USGS	2
108 N15 E25 31BACA1	390735119134601		4301.	03/01/2004	-2.90		S	USGS	2

GROUND-WATER LEVELS

WALKER RIVER BASIN--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Reporting Agency	Accuracy
108 N15 E25 34ACDD1	390715119095901	370.	4310.	02/23/2004	9.87		S	NV003	2
108 N15 E25 34CBBB1	390714119104801		4308.	03/03/2004	8.44		T	USGS	1
108 N15 E26 20BDBB1	390914119060601	150.	4347.	03/03/2004	59.26		T	USGS	1
110A N15 E26 10B 2	391052119034101		4340.	04/27/2004	66.62		S	USGS	2
110B N09 E29 09CBAA1	383912118451601		4009.	03/16/2004	72.07		T	USGS	1
110B N09 E29 16BBAA1	383845118451601		4065.	03/16/2004	116.93		S	USGS	2
110C N06 E31 17ABBD1	382305118324701	599.	5349.	03/19/2004	120.5		S	USGS	1
110C N06 E31 17BDCD1	382247118330201	503.	5470.	03/19/2004	212.2		S	USGS	2
110C N06 E31 28DCDD1	382034118313301		5554.	03/16/2004	85.95		T	USGS	1
110C N06 E31 33BABB1	382031118315901	86.	5571.	03/16/2004	53.13		T	USGS	1
110C N06 E31 33BABB2	382033118315501	126.	5566.	03/16/2004	84.31		T	USGS	1
110C N07 E30 05DCDC1	382918118392201		4849.	03/16/2004	338.35		T	USGS	1
110C N07 E30 08ACDC1	382850118392401		4974.	03/18/2004	49.12		T	USGS	1
110C N08 E30 03DDA 1	383440118365001	850.	4131.	03/17/2004	60.99		S	USGS	2
				03/17/2004	61.00		S	USGS	2
110C N08 E30 04AAA 1	383525118375101	62.	4056.	03/17/2004	39.20		S	USGS	2
110C N08 E30 21DCD 1	383150118380001	394.	4265.	03/18/2004	214.65		T	USGS	1
110C N08 E30 33ADCD1	383040118380501		4472.	03/19/2004		D		USGS	
110C N08 E31 32BBAB1	383100118330001	452.	4383.	03/17/2004	273.20		S	USGS	2
				03/17/2004	272.13		S	USGS	2
110C N09 E30 29DDD 1	383624118385801	20.	4010.	03/17/2004	13.24		S	USGS	2
				03/17/2004	13.25		S	USGS	2
110C N09 E30 33CAA 1	383550118382201	41.	4039.	03/17/2004	25.28		S	USGS	2
110C N06 E31 33 1	382033118320501		5571.	03/16/2004	84.31		T	USGS	1

QUALITY OF SURFACE WATER

WATERFALL FIRE MONITORING PROJECT

Water-quality measurements in the following table were made to monitor water chemistry and sediment concentrations associated with the Waterfall Forest Fire which occurred in July 2004. Information from these samples should help assess the impacts of vegetation loss on stream chemistry and sediment runoff.

WATER-QUALITY DATA, JULY 2004 TO OCTOBER 2004

Station number	Station name	Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)
10311100	KINGS CANYON CREEK NEAR CARSON CITY, NV	07-23-04	1520	Environmental	.28	.7
		09-03-04	1029	Environmental	.22	--
10311200	ASH CANYON CREEK NEAR CARSON CITY, NV	07-23-04	1415	Environmental	1.9	.5
		08-15-04	1818	Environmental	2.3	--
		08-15-04	1832	Environmental	3.7	--
		08-15-04	1842	Environmental	2.7	--
		08-15-04	1850	Environmental	2.2	--
		08-15-04	1920	Environmental	2.1	--
		08-15-04	1925	Environmental	2.2	--
		09-03-04	1430	Environmental	1.9	--
		10-19-04	1600	Environmental	3.7	--
10311250	VICEE CANYON CREEK NEAR CARSON CITY, NV	08-15-04	1845	Environmental	.21	--

Date	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Chloride, water, fltrd, mg/L (00940)
07-23-04	644	7.0	98	7.7	126	30.5	23.0	15.7	3.64	3.24	4.52	--	.54
09-03-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-23-04	642	8.5	108	8.0	97	31.5	18.3	14.7	1.97	2.85	5.77	--	.31
08-15-04	--	--	--	--	--	--	--	--	--	--	--	--	--
08-15-04	721	10.4	107	7.3	119	17.0	14.0	--	--	--	--	--	--
08-15-04	--	--	--	--	--	--	--	14.8	2.14	5.12	6.19	--	.46
08-15-04	--	--	--	--	--	--	--	--	--	--	--	--	--
08-15-04	--	--	--	--	--	--	--	--	--	--	--	--	--
08-15-04	--	--	--	--	--	--	--	--	--	--	--	--	--
09-03-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-19-04	--	--	--	7.9	143	6.0	6.0	17.2	2.75	4.58	6.82	66	1.49
08-15-04	--	--	--	5.9	570	--	--	126	19.8	32.5	6.70	--	7.16

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, fltrd, mg/L (00681)
07-23-04	<.2	25.1	1.4	--	E.08	.14	<.04	.10	<.008	.13	.149	.170	1.4
09-03-04	--	--	--	--	--	--	--	--	--	--	--	--	--
07-23-04	<.2	20.6	1.0	--	<.10	.12	<.04	<.06	<.008	.03	.037	.063	1.7
08-15-04	--	--	--	--	--	--	--	--	--	--	--	--	--
08-15-04	--	--	--	--	--	--	--	--	--	--	--	--	--
08-15-04	<.1	19.9	1.6	67	.87	.92	.05	.17	E.004	1.20	1.40	1.36	10.2
08-15-04	--	--	--	--	--	--	--	--	--	--	--	--	--
08-15-04	--	--	--	--	--	--	--	--	--	--	--	--	--
08-15-04	--	--	--	--	--	--	--	--	--	--	--	--	--
09-03-04	--	--	--	--	--	--	--	--	--	--	--	--	--
10-19-04	<.1	19.3	6.8	112	.28	.23	E.02	.10	<.008	.06	.109	.108	9.0
08-15-04	E.1	8.75	107	763	14	13	3.49	.99	.514	<.02	.53	.59	231

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)
07-23-04	216	12.4	--	4	<.01
09-03-04	--	--	--	2	<.01
07-23-04	336	13.8	--	5	.03
08-15-04	--	--	--	59	.37
08-15-04	--	--	--	--	--
08-15-04	364	23.7	--	--	--
08-15-04	--	--	43	233	1.4
08-15-04	--	--	91	1,270	7.2
08-15-04	--	--	95	5,580	33
09-03-04	--	--	--	22	.11
10-19-04	243	51.7	--	--	--
08-15-04	53	661	72	--	--

Remark codes used in this table:
< -- Less than
E -- Estimated value

Water-quality measurements in the following table were made in cooperation with the U.S. National Park Service to determine gasoline-related organic compound concentrations in Lake Mead and Lake Mohave in the Colorado River Basin. Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data."

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Station Name	Date	Time	Sample type	[a]Iso-butyl alcohol -d6, surrog, wat unf pct rcv (62835)	Methyl acetate water unfltrd ug/L (77032)	tert-Amyl alcohol water unfltrd ug/L (77073)	tert-Butyl-alcohol water unfltrd ug/L (77035)	[a]1,2-Di-chloro-ethane-d4, sur Sch2090 wat unf pct rcv (99832)
351308114335501	Lake Mohave at Katherine Landing	05-25-04	1245	Environmental	91.7	<2.0	<.4	<1.00	98.0
		05-25-04	1300	**Replicate**	*90.2*	*<2.0*	*<.4*	*<1.00*	*98.1*
		06-02-04	1125	Environmental	93.2	<2.0	<.4	<1.00	100
		06-24-04	1115	Environmental	92.2	<.4	<.4	<1.00	98.0
		06-24-04	1135	Environmental	93.3	<.4	<.4	<1.00	97.3
		07-07-04	1045	Environmental	94.3	<.4	<.4	<1.00	103
		09-07-04	1005	Environmental	88.1	<.4	<.4	<1.00	98.0
351359114341101	Lake Mohave at North Telphone Cove	05-25-04	1345	Environmental	85.4	<2.0	<.4	<1.00	97.8
		06-02-04	1100	Environmental	95.4	<2.0	<.4	<1.00	97.5
		06-24-04	1300	Environmental	94.8	<.4	<.4	<1.00	99.1
		07-07-04	1210	Environmental	97.1	<.4	<.4	<1.00	102
		09-07-04	1035	Environmental	80.9	<.4	<.4	<1.00	94.7
360149114462701	Lake Mead at Hemway Harbor	05-24-04	1240	Environmental	83.0	<2.0	<.4	<1.00	98.2
		05-24-04	1250	**Replicate**	*86.2*	*<2.0*	*<.4*	*<1.00*	*99.1*
		06-01-04	1130	Environmental	91.9	<2.0	<.4	<1.00	98.7
		06-23-04	1030	**Trip Blank**	*95.5*	*<.4*	*<.4*	*<1.00*	*98.6*
		06-23-04	1100	Environmental	91.0	<.4	<.4	<1.00	97.7
		06-23-04	1110	Environmental	92.4	<.4	<.4	<1.00	99.1
		07-06-04	1115	Environmental	105	<.4	<.4	<1.00	105
		09-08-04	0900	Environmental	96.0	<.4	<.4	<1.00	98.4
360700114505101	Las Vegas Bay QW Platform	05-24-04	1400	Environmental	95.2	<2.0	<.4	<1.00	97.5
		06-01-04	1340	Environmental	94.5	<2.0	<.4	<1.00	97.9
		06-23-04	1400	Environmental	89.8	<.4	<.4	<1.00	97.4
		07-06-04	1435	Environmental	98.0	<.4	<.4	<1.00	102
		09-08-04	1055	Environmental	97.5	<.4	<.4	<1.00	99.0
360745114414901	Lake Mead at Callville Point, NV	05-24-04	1125	Environmental	89.3	<2.0	<.4	<1.00	97.7
		06-01-04	1255	Environmental	93.2	<2.0	<.4	<1.00	99.1
		06-23-04	1215	Environmental	90.9	<.4	<.4	<1.00	97.5
		07-06-04	1310	Environmental	96.5	<.4	<.4	<1.00	103
		09-08-04	0955	Environmental	101	<.4	<.4	<1.00	99.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	[a]14Bromo fluoro-benzene surrog. VOC Sch wat unf pct rcv (99834)	Acetone water unfltrd ug/L (81552)	Benzene water unfltrd ug/L (34030)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl-benzene water unfltrd ug/L (34371)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	o-Xylene, water, unfltrd ug/L (77135)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	Toluene water unfltrd ug/L (34010)	[a]Toluene -d8, surrog, Sch2090 wat unf percent recovry (99833)
05-25-04	98.2	1	.55	<.08	.50	<.07	2.10	.83	<.1	.23	2.37	99.7
05-25-04	*97.1*	*1*	*.55*	*<.08*	*.50*	*<.07*	*2.10*	*.83*	*<.1*	*.20*	*2.38*	*100*
06-02-04	101	E1	1.41	<.08	1.33	<.07	5.78	2.32	<.1	.43	6.35	101
06-24-04	105	1	1.73	<.08	1.88	<.07	7.74	3.23	<.1	.50	8.89	102
06-24-04	103	E1	1.68	<.08	1.84	<.07	7.68	3.20	<.1	.52	8.75	100
07-07-04	97.6	2	1.36	<.08	1.37	<.07	5.17	2.43	<.1	.47	6.49	96.9
09-07-04	103	2	.62	<.08	.61	<.07	2.40	1.04	<.1	.13	2.85	102
05-25-04	97.0	1	.32	<.08	.31	<.07	1.31	.52	<.1	.16	1.55	99.9
06-02-04	98.3	E1	1.08	<.08	1.31	<.07	5.56	2.28	<.1	.35	5.94	100
06-24-04	105	1	1.46	<.08	1.81	<.07	7.43	3.17	<.1	.55	8.57	101
07-07-04	97.6	2	1.26	<.08	1.42	<.07	5.34	2.56	<.1	.57	6.60	96.5
09-07-04	104	2	.65	<.08	.71	<.07	2.85	1.22	<.1	.16	3.28	102
05-24-04	97.4	2	.35	<.08	.33	<.07	1.44	.57	<.1	E.09	1.61	101
05-24-04	*97.1*	*2*	*.17*	*<.08*	*.16*	*<.07*	*.68*	*.28*	*<.1*	*E.04*	*.75*	*101*
06-01-04	95.3	3	.15	<.08	.11	<.07	.46	.20	<.1	<.08	.58	101
06-23-04	*97.9*	*<1*	*<.01*	*<.08*	*<.03*	*<.07*	*<.07*	*<.04*	*<.1*	*<.08*	*<.01*	*99.3*
06-23-04	101	3	.12	<.08	.12	<.07	.46	.19	<.1	<.08	.56	101
06-23-04	102	2	.11	<.08	.09	<.07	.34	.14	<.1	<.08	.46	101
07-06-04	98.6	3	.16	<.08	.12	<.07	.46	.19	<.1	<.08	.61	98.2
09-08-04	99.1	3	.13	<.08	.06	<.07	.21	.07	<.1	<.08	.56	101
05-24-04	94.9	2	E.03	<.08	E.02	<.07	E.07	E.03	<.1	<.08	.07	99.7
06-01-04	95.1	E1	E.02	<.08	<.03	<.07	E.01	<.04	<.1	<.08	E.01	99.5
06-23-04	99.5	E1	E.04	<.08	<.03	<.07	E.03	E.01	<.1	<.08	E.04	101
07-06-04	98.5	2	.16	<.08	.15	<.07	.70	.30	<.1	<.08	.67	99.1
09-08-04	99.6	<1	E.03	<.08	<.03	<.07	E.03	E.01	<.1	<.08	E.04	101
05-24-04	96.2	3	.36	<.08	.24	<.07	1.02	.41	<.1	E.05	1.29	99.9
06-01-04	98.6	3	1.06	<.08	.70	<.07	3.88	1.59	<.1	.20	3.58	101
06-23-04	102	3	.40	<.08	.26	<.07	1.39	.56	<.1	.18	1.31	98.5
07-06-04	97.5	3	.53	<.08	.43	<.07	1.72	.72	<.1	E.06	2.15	98.0
09-08-04	103	2	.76	<.08	.37	<.07	1.47	.65	<.1	E.06	2.54	102

Remark codes used in this table:
< -- Less than
E -- Estimated value

[a] -- Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

SPRING DISCHARGE

CARBONATE ROCK STUDY AREA

Measurement method--A, Acoustic Meter; C, current meter.; F, flume.

Spring Number	Site Identification	Spring Name	Land Surface Elevation (Feet)	Measurement		
				Date	Discharge (GPM)	Method
156 N04 E50 20C 1	381105116221301	Warm Spring	5500.	04/20/2004	399.	C
				09/22/2004	296.	C
173B N13 E56 32BACD1	385650115421301	Big Warm Spring	5605.	04/21/2004	6910.	C
				09/22/2004	7190.	C
207 N06 E61 18AADA1	382259115090801	NDW - Hot Creek Spring	5225.	04/23/2004	4670.	C
				09/24/2004	4580.	C
207 N07 E62 28ABDC1	382624115004001	Butterfield Spring	5320.	04/23/2004	1020.	C
				09/24/2004	942.	C
207 N07 E62 33BCAB1	382526115011401	Flag Spring 1	5290.	04/23/2004	950	C
				09/24/2004	950.	C
207 N07 E62 33BCCB1	382522115012001	Flag Spring 2	5280.	04/23/2004	1095.	C
				09/24/2004	1400.	C
207 N07 E62 33BCCC1	382517115012001	Flag Spring 3	5290.	04/23/2004	825.	C
				09/11/2004	810.	C
				09/24/2004	785.	C
207 N09 E61 32DABC1	383540115081801	Moorman Spring	5295.	04/22/2004	260.	C
				09/24/2004	211.	C
207 N12 E61 12BDAD1	385507114574801	Cold Springs	6020.	04/22/2004	260.	C
207 N12 E61 12DBDD1	385530115044601	Nicholas Spring	5700.	04/22/2004	1200.	C
				09/23/2004	1185.	C
219 S14 E65 16ABB 1	364327114430801	Muddy River Springs 10	1650.	04/20/2004	280.	A
				09/21/2004	300.	A
219 S14 E65 21 1	364238114424301	Muddy River Springs 20	1778.	04/20/2004	380.	A
				09/21/2004	320.	A
219 S14 E65 21AAAA1	364238114424201	Muddy River Springs 15	1780.	04/20/2004	870.	A
				09/21/2004	920.	A
219 S14 E65 21AAAA2	364236114424301	Warm Springs East	1790.	04/20/2004	1475.	A
				09/21/2004	1780.	A
219 S14 E65 21AAAB2	364238114424401	Muddy River Springs 16	1780.	04/20/2004	90.	A
				09/21/2004	120.	A
219 S14 E65 21AABB1	364235114425201	Muddy River Springs 11	1800.	04/20/2004	350.	A
				09/21/2004	370.	A
219 S14 E65 21AABB3	364236114425401	Muddy River Springs 13	1800.	04/20/2004	260.	A
				09/21/2004	480.	A
219 S14 E65 21AABB4	364237114425401	Muddy River Springs 12	1800.	04/20/2004	140.	A
				09/21/2004	140.	A
219 S14 E65 21AABB5	364235114425301	Muddy River Springs 19	1800.	04/20/2004	330.	A
				09/21/2004	430.	A

HIGH-ELEVATION PRECIPITATION NETWORK

CARBONATE ROCK STUDY AREA

High-elevation precipitation data are collected at sites in eastern and southeastern Nevada.

Station Name	Site Identification	Latitude	Longitude	Elevation (feet)	Period	Precipitation (inches)
Cave Mountain	390946114364901	39°09'46"	114°36'49"	10,650	10/18/03 to 07/09/04	13.25
					07/09/04 to 10/13/04	5.25
Cherry Creek Range	400726114524701	40°07'26"	114°52'47"	9,700	10/17/03 to 07/09/04	13.75
					07/09/04 to 10/13/04	3.50
Hayford Peak	363929115115801	36°39'29"	115°11'58"	9,840	10/22/03 to 06/16/04	10.00
					06/16/04 to 10/14/04	5.00
Highland Peak	375337114343801	37°53'37"	114°34'38"	9,330	10/16/03 too 05/28/04	11.50
					05/28/04 to 10/20/04	6.50
Kawich Range	380025116273801	38°00’25"	116°27’38"	9,100	10/22/03 to 06/16/04	8.5
					06/16/04 to 10/14/04	1.25
Kyle Canyon	361457115373301	36°14'57"	115°37'33"	7,760	10/24/03 to 06/03/04	10.00
					06/03/04 to 10/22/04	14.75
Lee Canyon	361822115402501	36°18'22"	115°40'25"	8,510	10/24/03 to 06/17/04	12.25
					06/17/04 to 10/22/04	8.75
Mt. Hamilton	391436115323901	39°14'36"	115°32'39"	10,600	10/17/03 to 06/09/04	11.75
					06/09/04 to 10/13/04	2.00
Mt. Irish	373915115232801	37°39'15"	115°23'28"	8,607	10/22/03 to 06/16/04	5.50
					06/16/04 to 10/14/04	2.00
Mt. Washington	385409114185401	38°54'09"	114°18'54"	10,440	10/16/03 to 06/09/04	14.50
Mt. Wilson	381438114233301	38°14'38"	114°23'33"	9,200	10/16/03 to 05/28/04	13.25
Potosi Peak	355641115294601	35°56'41"	115°29'46"	8,080	10/15/03 to 05/27/04	12.25
					05/27/04 to 10/18/04	2.00
Quinn Canyon Range	381157115373101	38°11’57"	115°37’31"	9,100	10/22/03 to 06/16/04	6.75
					06/16/04 TO 10/14/04	2.00
Sheep Peak	363500115144301	36°35'00"	115°14'43"	9,600	10/22/03 to 06/16/04	10.50
					06/16/04 to 10/14/04	4.00

385521114503601. Local Number, 179 N12 E63 12AB 1.

LOCATION.--Lat 38°55'21", long 114°

GROUND-WATER LEVELS, CONTINUOUS OBSERVATION WELLS

DRY LAKE VALLEY

374215114453101. Local Number, 181 S03 E64 12AC 1.

LOCATION.--Lat 37°42'15", long 114°45'31" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec. 12, T.03 S., R.64 E., Lincoln County, Hydrologic Unit 16060009.

AQUIFER.--Alluvium of Quaternary age and Paleozoic Carbonate Rock.

WELL CHARACTERISTICS.--Diameter 10.0 in, depth 1,000 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 4,640 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring Point: Top lip of casing, orange mark, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface recorded, 395.00 ft April 16, 1983; minimum water-level depth below land surface, 393.59 ft, October 29, 30, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 394.31 ft, March 7; minimum water-level depth below land surface, 393.59 ft, October 29, 30.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	393.99	393.99	393.99	393.95	393.99	393.97	393.81	394.10	393.92	393.99	393.98	393.96
2	393.87	393.95	394.06	393.91	393.97	393.94	393.87	394.07	393.96	393.98	393.96	393.79
3	393.91	393.93	393.98	393.94	393.79	394.01	393.99	393.99	394.02	393.93	393.95	393.83
4	393.98	394.02	394.00	394.12	393.95	393.91	393.99	393.92	394.02	393.94	393.94	393.97
5	394.00	394.03	393.96	394.15	394.12	394.08	393.96	393.92	393.96	393.99	393.95	394.03
6	393.97	394.06	393.87	394.02	394.20	394.18	393.95	393.99	393.87	394.00	393.97	394.00
7	393.92	394.02	393.81	393.99	394.00	394.25	393.97	394.02	393.82	393.92	393.99	393.95
8	393.96	394.02	393.96	394.11	394.05	394.16	393.95	393.97	393.85	393.91	394.00	393.94
9	393.92	393.97	394.05	394.11	394.05	393.99	394.00	393.91	393.93	393.94	393.99	393.94
10	393.91	393.99	393.89	394.01	394.06	393.97	394.01	393.78	394.05	393.98	393.96	393.96
11	394.07	394.06	393.87	393.97	394.00	393.99	394.03	393.89	394.02	393.99	393.94	393.97
12	394.03	393.96	394.02	394.04	394.07	393.90	394.00	393.99	394.00	393.97	393.96	393.87
13	394.07	393.95	394.04	394.09	394.01	393.99	393.95	394.06	394.04	393.97	393.97	393.81
14	394.00	393.98	393.88	393.97	393.96	394.04	393.91	394.00	393.98	394.01	393.97	393.88
15	393.96	393.93	394.11	393.86	393.99	394.06	393.91	393.93	393.95	394.01	393.99	393.94
16	394.06	393.90	394.19	393.90	394.05	394.02	393.92	393.90	393.97	393.98	393.98	393.92
17	394.09	393.98	394.09	393.99	394.08	393.96	393.87	393.92	394.03	393.98	393.95	393.90
18	394.04	394.15	394.05	394.00	393.90	393.95	394.03	393.96	394.03	393.98	393.91	393.80
19	394.03	394.05	393.97	393.95	393.91	394.00	394.02	393.97	394.01	393.97	393.92	393.76
20	394.05	393.87	393.87	393.95	393.92	394.08	393.99	393.96	393.96	393.95	393.95	394.01
21	394.04	393.77	393.92	394.10	393.85	394.00	393.88	393.95	393.94	393.94	393.93	394.11
22	393.99	393.98	394.08	394.11	393.86	393.89	393.96	393.94	393.98	393.92	393.86	394.06
23	393.94	394.14	393.95	393.98	393.87	393.87	394.06	393.90	394.01	393.93	393.85	394.02
24	394.00	393.93	393.86	393.79	394.02	393.93	394.04	393.95	394.02	393.99	393.91	394.00
25	394.09	393.82	393.75	393.89	394.02	393.92	394.09	393.98	393.99	394.01	393.94	393.96
26	394.10	393.98	393.85	394.05	393.87	393.93	394.12	393.99	393.95	393.95	393.90	393.94
27	393.98	394.25	394.12	394.03	393.87	394.06	393.99	393.99	393.94	393.93	394.03	393.94
28	393.84	394.13	394.13	393.99	393.95	394.15	393.75	393.91	393.97	393.95	394.01	393.91
29	393.66	393.96	393.93	394.01	394.02	394.08	393.89	393.98	393.97	393.92	393.96	393.86
30	393.70	393.97	393.92	393.89	---	393.93	394.06	394.05	393.98	393.92	393.96	393.87
31	393.89	---	393.93	393.86	---	393.88	---	394.00	---	393.94	393.99	---
MAX	394.10	394.25	394.19	394.15	394.20	394.25	394.12	394.10	394.05	394.01	394.03	394.11
MIN	393.66	393.77	393.75	393.79	393.79	393.87	393.75	393.78	393.82	393.91	393.85	393.76

GROUND-WATER LEVELS, CONTINUOUS OBSERVATION WELLS

DELAMAR VALLEY

372639114520901, Local Number, 182 S06 E63 12AD 1.

LOCATION.--Lat 37°26'39", long 114°52'09" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec. 12, T.06 S., R.63 E., Lincoln County, Hydrologic Unit 16060009.

AQUIFER.--Alluvium of Quaternary age and Paleozoic Carbonate Rock.

WELL CHARACTERISTICS.--Diameter 2.0 in, depth 1,015 ft.

INSTRUMENTATION.--Water-level recorder.

PERIOD OF RECORD.--1980 to current year.

GAGE.--Elevation of land-surface datum is 4,710 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top lip of casing, 2.05 ft above land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface recorded, 865.85 ft, March 15, 1990; minimum water-level depth below land surface recorded, 862.66 ft, May 08, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 863.36 ft, October 26, November 27, 28; minimum water-level depth below land surface, 862.49 ft, October 30, December 26.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	863.03	862.82	863.09	862.88	862.87	862.81	862.72	863.10	862.88	863.07	---	863.07
2	862.88	862.80	863.17	862.81	862.86	862.76	862.71	863.12	862.90	863.07	---	862.87
3	862.87	862.79	863.10	862.80	862.64	862.84	862.84	863.06	862.97	863.01	---	862.80
4	862.93	862.90	863.10	863.02	862.75	862.74	862.88	862.97	863.02	863.00	---	862.95
5	862.97	862.94	863.07	863.14	862.98	862.93	862.86	862.93	862.97	863.05	863.01	863.05
6	862.96	863.01	862.94	863.06	863.17	863.11	862.85	862.99	862.84	863.07	863.04	863.07
7	862.90	863.01	862.81	863.02	863.03	863.30	862.88	863.03	862.73	863.00	863.07	863.03
8	862.91	863.04	862.91	863.16	863.07	863.29	862.86	862.98	862.70	862.96	863.10	863.02
9	862.87	862.99	863.04	---	863.09	863.15	862.92	862.91	862.76	862.97	863.10	863.01
10	862.81	863.00	862.89	---	863.12	863.07	862.95	862.71	862.91	863.01	863.09	863.05
11	863.00	863.08	862.82	863.07	863.06	863.07	862.99	862.74	862.94	863.04	863.06	863.07
12	863.02	862.99	862.96	863.14	863.14	862.94	862.98	862.84	862.95	863.03	863.06	862.97
13	863.09	862.98	863.03	863.22	863.09	862.99	862.93	862.96	863.02	863.04	863.08	862.86
14	863.05	863.00	862.87	863.10	863.02	863.07	862.86	862.96	862.97	863.09	863.08	862.86
15	863.00	862.93	863.10	862.92	863.03	863.11	862.83	862.88	862.93	863.12	863.11	862.93
16	863.11	862.87	863.29	862.90	863.10	863.09	862.82	862.82	862.95	863.09	863.12	862.91
17	863.18	862.94	863.26	862.97	863.17	863.02	862.73	862.81	863.02	863.08	863.10	862.89
18	863.17	863.16	863.24	862.99	862.97	862.98	862.89	862.85	863.06	863.09	863.05	862.76
19	863.17	863.13	863.16	862.94	862.91	863.03	862.93	862.87	863.07	863.08	863.04	862.64
20	863.21	862.94	863.00	862.92	862.88	863.13	862.94	862.86	863.03	863.06	863.06	862.87
21	863.22	862.74	862.99	863.08	862.76	863.08	862.79	862.86	862.98	863.04	863.04	863.06
22	863.16	862.88	863.15	863.16	862.71	862.94	862.82	862.84	863.01	862.99	862.94	863.11
23	863.09	863.11	863.03	863.06	862.67	862.84	862.96	862.79	863.06	862.98	862.88	863.11
24	863.12	862.96	862.89	862.80	862.83	862.86	862.98	862.81	863.09	863.06	862.91	863.11
25	863.24	862.78	862.69	862.81	862.89	862.84	863.08	862.84	863.08	863.10	862.95	863.08
26	863.31	862.89	862.69	862.98	862.72	862.82	863.18	862.88	863.04	863.06	862.89	863.05
27	863.21	863.25	863.01	863.01	862.67	862.98	863.08	862.91	863.01	863.01	863.03	863.03
28	863.01	863.26	863.11	862.98	862.73	863.13	862.76	862.82	863.04	---	863.06	862.98
29	862.71	863.11	---	863.00	862.84	863.13	862.80	862.86	863.03	---	863.04	862.89
30	862.56	863.08	862.88	862.87	---	862.98	862.99	862.98	863.05	---	863.05	862.87
31	862.69	---	862.86	862.76	---	862.88	---	862.97	---	---	863.09	---
MAX	863.31	863.26	--	--	863.17	863.30	863.18	863.12	863.09	--	--	863.11
MIN	862.56	862.74	--	--	862.64	862.74	862.71	862.71	862.70	--	--	862.64

GROUND WATER LEVELS, CONTINUOUS OBSERVATION WELLS

COYOTE SPRING VALLEY

364743114533101. Local Number, 210 S13 E63 23DDDC1.

LOCATION.--Lat 36°47'43", long 114°53'31" referenced to North American Datum of 1927, in SE ¼ SE ¼ SE ¼ sec. 23, T.13 S., R.63 E., Clark County, Hydrologic Unit 15010012,

AQUIFER.--Paleozoic carbonate rock.

WELL CHARACTERISTICS.--Diameter 10 in, cased to 669 ft, depth 669 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 2,173 ft above National Geodetic Vertical Datum of 1929. Measuring Point: Top lip of the casing, 1.0 ft. above land-surface datum.

PERIOD OF RECORD.--1981 to current year. Records from July 1986 to September 1986 are unpublished and available in the files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface recorded, 354.90 ft September 21 and 22, 2004; minimum water-level depth below land surface measured, 350.9 ft, September 27, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 354.90 ft, September 21, 22; minimum water-level depth below land surface, 353.89 ft, April 28.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	354.53	354.59	354.60	354.47	354.42	354.30	354.09	354.27	354.20	354.43	354.55	354.67
2	354.47	354.56	354.63	354.41	354.39	354.26	354.17	354.25	354.23	354.42	354.55	354.55
3	354.50	354.57	354.57	354.45	354.27	354.28	354.25	354.18	354.27	354.39	354.55	354.58
4	354.55	354.63	354.58	354.59	354.35	354.22	354.24	354.14	354.29	354.40	354.55	354.70
5	354.56	354.64	354.56	354.61	354.48	354.36	354.21	354.14	354.24	354.43	354.57	354.74
6	354.54	354.66	354.49	354.52	354.56	354.43	354.19	354.20	354.18	354.44	354.59	354.71
7	354.52	354.64	354.43	354.49	354.43	354.45	354.21	354.22	354.14	354.41	354.61	354.67
8	354.55	354.64	354.54	354.55	354.46	354.39	354.20	354.18	354.18	354.39	354.61	354.67
9	354.51	354.60	354.62	354.55	354.46	354.28	354.21	354.14	354.27	354.42	354.59	354.68
10	354.51	354.60	354.51	354.48	354.46	354.26	354.23	354.06	354.34	354.45	354.60	354.70
11	354.64	354.65	354.48	354.44	354.43	354.27	354.25	354.12	354.32	354.45	354.58	354.71
12	354.62	354.57	354.58	354.50	354.49	354.21	354.21	354.22	354.32	354.44	354.61	354.64
13	354.65	354.62	354.61	354.53	354.44	354.25	354.17	354.25	354.34	354.46	354.62	354.60
14	354.62	354.63	354.50	354.43	354.39	354.29	354.14	354.22	354.30	354.51	354.63	354.62
15	354.59	354.58	354.66	354.36	354.39	354.30	354.13	354.16	354.28	354.51	354.64	354.68
16	354.66	354.56	354.72	354.38	354.43	354.28	354.13	354.14	354.30	354.49	354.65	354.67
17	354.67	354.61	354.63	354.44	354.44	354.23	354.10	354.16	354.36	354.49	354.63	354.65
18	354.64	354.71	354.59	354.46	354.30	354.22	354.24	354.19	354.38	354.49	354.60	354.59
19	354.64	354.65	354.55	354.41	354.30	354.27	354.22	354.22	354.38	354.48	354.61	354.57
20	354.65	354.53	354.47	354.41	354.31	354.31	354.19	354.22	354.34	354.49	354.62	354.76
21	354.64	354.43	354.49	354.51	354.26	354.24	354.09	354.21	354.31	354.47	354.62	354.83
22	354.62	354.62	354.59	354.53	354.26	354.17	354.16	354.21	354.36	354.45	354.58	354.81
23	354.58	354.73	354.50	354.44	354.26	354.15	354.22	354.18	354.39	354.47	354.56	354.77
24	354.62	354.58	354.44	354.31	354.36	354.19	354.20	354.20	354.40	354.54	354.61	354.75
25	354.71	354.49	354.34	354.37	354.36	354.19	354.24	354.22	354.39	354.55	354.63	354.72
26	354.73	354.58	354.43	354.50	354.25	354.19	354.27	354.25	354.37	354.52	354.59	354.71
27	354.62	354.78	354.63	354.48	354.23	354.29	354.18	354.25	354.37	354.51	354.68	354.71
28	354.50	354.71	354.64	354.43	354.29	354.36	354.02	354.19	354.40	354.53	354.68	354.69
29	354.39	354.60	354.50	354.42	354.34	354.31	354.14	354.25	354.40	354.51	354.65	354.66
30	354.38	354.59	354.47	354.35	---	354.20	354.25	354.32	354.42	354.51	354.66	354.68
31	354.53	---	354.45	354.32	---	354.15	---	354.26	---	354.52	354.69	---
MAX	354.73	354.78	354.72	354.61	354.56	354.45	354.27	354.32	354.42	354.55	354.69	354.83
MIN	354.38	354.43	354.34	354.31	354.23	354.15	354.02	354.06	354.14	354.39	354.55	354.55

GROUND-WATER LEVELS, CONTINUOUS OBSERVATION WELLS

HIDDEN VALLEY (NORTH)

363308114553001. Local Number, 217 S16 E63 09DDAB1.

LOCATION.--Lat 36°33'10", long 114°55'25" referenced to North American Datum of 1927, in NE ¼ SE ¼ SE ¼ sec. 09, T.16 S., R.63 E., Clark County, Hydrologic Unit 15010012, adjacent to U.S. Highway 93, approximately 16.5 mi south of the intersection of U.S. Highway 93 and State Route 168.

AQUIFER.--Carbonate of Paleozoic age.

WELL CHARACTERISTICS.--Diameter 5 in, depth of 920 ft, cased to 45 ft, open hole 45 to 920 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 2,649 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring Point: Top lip of the casing, 0.6 ft above land-surface.

PERIOD OF RECORD.--1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface recorded, 845.27 ft, September 27-30, 2002; minimum water-level depth below land surface recorded, 831.67 ft, December 25, 26, 2003, April 21, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 832.82 ft, March 7; minimum water-level depth below land surface, 831.67 ft, December 25, 26, April 21.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	832.32	832.18	832.39	832.18	832.25	832.24	831.99	832.39	832.15	832.45	832.41	832.45
2	832.13	832.15	832.46	832.05	832.24	832.15	832.05	832.36	832.19	832.44	832.45	832.22
3	832.14	832.14	832.35	832.05	831.94	832.23	832.24	832.25	832.29	832.37	832.41	832.14
4	832.26	832.29	832.34	832.38	832.08	832.09	832.26	832.14	832.34	832.35	832.40	832.41
5	832.29	832.32	832.32	832.49	832.36	832.37	832.19	832.11	832.27	832.42	832.42	832.52
6	832.25	832.39	832.18	832.35	832.62	832.59	832.11	832.22	832.11	832.44	832.45	832.51
7	832.18	832.38	832.02	832.28	832.41	832.74	832.07	832.28	832.01	832.37	832.49	832.44
8	832.21	832.42	832.15	832.45	832.46	832.69	832.02	832.20	832.02	832.30	832.48	832.42
9	832.15	832.35	832.39	832.47	832.46	832.49	832.07	832.09	832.14	832.34	832.48	832.45
10	832.08	832.33	832.18	832.35	832.50	832.36	832.08	831.89	832.33	832.39	832.48	832.50
11	832.36	832.44	832.08	832.26	832.43	832.40	832.17	831.93	832.31	832.41	832.43	832.50
12	832.38	832.32	832.27	832.37	832.57	832.25	832.13	832.10	832.30	832.38	832.49	832.37
13	832.43	832.36	832.40	832.46	832.50	832.32	832.06	832.23	832.39	832.40	832.54	832.24
14	832.41	832.38	832.18	832.29	832.39	832.43	831.96	832.21	832.31	832.49	832.54	832.23
15	832.33	832.30	832.45	832.08	832.39	832.48	831.93	832.12	832.25	832.52	832.55	832.35
16	832.46	832.22	832.69	832.07	832.48	832.43	831.88	832.03	832.27	832.47	832.57	832.34
17	832.54	832.32	832.56	832.19	832.56	832.34	831.75	832.05	832.39	832.48	832.56	832.33
18	832.50	832.55	832.50	832.23	832.27	832.29	831.99	832.13	832.44	832.46	832.44	832.19
19	832.48	832.49	832.41	832.17	832.19	832.35	832.01	832.16	832.47	832.44	832.45	832.08
20	832.52	832.23	832.23	832.14	832.21	832.47	831.99	832.15	832.41	832.41	832.45	832.38
21	832.52	831.99	832.21	832.36	832.09	832.37	831.81	832.16	832.31	832.38	832.45	832.63
22	832.45	832.23	832.43	832.48	832.04	832.19	831.91	832.14	832.38	832.31	832.34	832.66
23	832.34	832.58	832.27	832.37	832.02	832.10	832.17	832.09	832.46	832.32	832.27	832.62
24	832.39	832.33	832.12	832.06	832.24	832.15	832.18	832.11	832.49	832.44	832.33	832.59
25	832.58	832.08	831.91	832.10	832.31	832.16	832.26	832.14	832.47	832.50	832.38	832.54
26	832.67	832.21	831.96	832.39	832.09	832.13	832.39	832.20	832.41	832.45	832.27	832.50
27	832.49	832.69	832.39	832.40	832.04	832.33	832.25	832.22	832.37	832.39	832.44	832.49
28	832.22	832.65	832.50	832.31	832.14	832.53	831.90	832.12	832.41	832.42	832.48	832.43
29	831.92	832.42	832.24	832.32	832.27	832.50	832.05	832.17	832.40	832.37	832.43	832.34
30	831.77	832.37	832.14	832.18	---	832.28	832.33	832.35	832.43	832.34	832.44	832.33
31	832.03	---	832.12	832.02	---	832.15	---	832.28	---	832.37	832.48	---
MAX	832.67	832.69	832.69	832.49	832.62	832.74	832.39	832.39	832.49	832.52	832.57	832.66
MIN	831.77	831.99	831.91	832.02	831.94	832.09	831.75	831.89	832.01	832.30	832.27	832.08

GROUND-WATER LEVELS, CONTINUOUS OBSERVATION WELLS

MUDDY RIVER SPRINGS AREA (UPPER MOAPA VALLEY)

364650114432001. Local Number, 219 S13 E65 28BDAC1

LOCATION.--Lat 36°46'50", long 114°43'20" referenced to North American Datum of 1927, in NE ¼ SE ¼ NW ¼ sec. 28, T.13 S., R.65 E., Clark County, Hydrologic Unit 15010012.

AQUIFER.--Alluvium of Quaternary age and Paleozoic Carbonate Rock.

WELL CHARACTERISTICS.--Diameter 10 in, depth 478 feet, cased to 95 ft, open hole from 95 to 478 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 2,186 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring Point: Top lip of the casing, 1.3 ft above land-surface.

PERIOD OF RECORD.--1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface recorded, 394.64 ft, September 21, 2004; minimum water-level depth below land surface recorded, 390.04 ft, January 30, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 394.64 ft, September 21; minimum water-level depth below land surface, 390.04 ft, January 30.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	394.09	394.07	393.90	393.76	393.73	393.58	393.48	393.77	393.79	394.08	394.25	394.34
2	393.98	393.99	393.94	393.67	393.66	393.55	393.59	393.70	393.84	394.06	394.24	394.23
3	394.05	394.01	393.84	393.75	393.52	393.57	393.67	393.64	393.90	394.02	394.23	394.29
4	394.11	394.07	393.87	393.88	393.66	393.49	393.62	393.60	393.91	394.04	394.23	394.43
5	394.10	394.05	393.85	393.87	393.79	393.69	393.58	393.66	393.85	394.09	394.27	394.44
6	394.06	394.05	393.78	393.73	393.83	393.73	393.56	393.74	393.80	394.10	394.28	394.38
7	394.03	394.02	393.72	393.74	393.64	393.73	393.59	393.74	393.79	394.05	394.28	394.33
8	394.07	394.03	393.90	393.82	393.71	393.64	393.57	393.69	393.86	394.06	394.28	394.35
9	394.01	393.98	393.95	393.80	393.70	393.51	393.60	393.65	393.97	394.09	394.27	394.37
10	394.02	393.99	393.79	393.71	393.70	393.52	393.63	393.57	394.02	394.11	394.27	394.39
11	394.17	394.04	393.77	393.69	393.67	393.55	393.64	393.68	393.96	394.12	394.25	394.38
12	394.11	393.92	393.91	393.79	393.75	393.49	393.62	393.80	393.97	394.11	394.31	394.29
13	394.14	394.00	393.91	393.80	393.68	393.59	393.57	393.82	393.99	394.14	394.32	394.26
14	394.08	393.98	393.72	393.66	393.64	393.64	393.54	393.75	393.94	394.18	394.33	394.31
15	394.05	393.92	394.00	393.61	393.66	393.64	393.53	393.68	393.93	394.17	394.33	394.37
16	394.15	393.92	394.01	393.67	393.73	393.59	393.57	393.67	393.97	394.14	394.33	394.36
17	394.13	393.99	393.87	393.75	393.73	393.54	393.52	393.73	394.02	394.15	394.27	394.34
18	394.09	394.09	393.83	393.74	393.53	393.56	393.72	393.77	394.03	394.13	394.26	394.49
19	394.08	393.95	393.79	393.69	393.59	393.63	393.66	393.76	394.02	394.13	394.28	394.27
20	394.11	393.82	393.71	393.69	393.60	393.67	393.62	393.77	393.98	394.15	394.30	394.49
21	394.08	393.72	393.77	393.82	393.55	393.58	393.51	393.76	393.97	394.13	394.27	394.54
22	394.05	394.01	393.88	393.81	393.55	393.51	393.65	393.76	394.03	394.13	394.23	394.47
23	394.01	394.11	393.74	393.68	393.56	393.53	393.71	393.73	394.09	394.15	394.25	394.41
24	394.07	393.87	393.70	393.54	393.69	393.59	393.67	393.78	394.06	394.22	394.32	394.39
25	394.17	393.79	393.59	393.68	393.65	393.59	393.72	393.78	394.03	394.24	394.33	394.36
26	394.16	393.94	393.76	393.83	393.52	393.60	393.74	393.82	394.01	394.18	394.27	394.36
27	394.01	394.17	393.97	393.76	393.52	393.71	393.61	393.82	394.03	394.18	394.40	394.38
28	393.90	393.99	393.91	393.70	393.60	393.78	393.42	393.74	394.08	394.21	394.36	394.36
29	393.80	393.86	393.72	393.71	393.64	393.67	393.66	393.84	394.08	394.19	394.33	394.32
30	393.84	393.89	393.72	393.55	---	393.55	393.77	393.91	394.06	394.20	394.35	394.35
31	394.03	---	393.72	393.59	---	393.54	---	393.83	---	394.21	394.38	---
MAX	394.17	394.17	394.01	393.88	393.83	393.78	393.77	393.91	394.09	394.24	394.40	394.54
MIN	393.80	393.72	393.59	393.54	393.52	393.49	393.42	393.57	393.79	394.02	394.23	394.23

GROUND-WATER LEVELS
CARBONATE ROCK STUDY AREA

County code--003, Clark; 017, Lincoln; 023, Nye; 033, White Pine.
Depths, perforated interval, and elevation--Depths are referenced to land-surface datum (LSD). Elevation is that of LSD, with reference to sea level.
Water Level Method--S, steel tape; T, electric tape; V, calibrated electric tape.
Water Level Accuracy--0, water level accurate to the nearest foot; 1, water level accurate to the nearest tenth of a foot;
2, water level accurate to the nearest one-hundreth of a foot..

Local Well No	Site Identification	Period of Record	County Code	Well Depth	Perforated Interval (feet) Top	Perforated Interval (feet) Bottom	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	Feet	Method	Accuracy
156 N03 E50 13CA 1	380652116200901	1981	023	682.			5350.	12/15/2003	314.25	S	1
								03/23/2004	313.81	V	1
								06/15/2004	313.95	V	1
								09/14/2004	314.05	V	1
156 N07 E51 10AD 1	382901116125201	1980	023	480.			5600.	12/15/2003	234.84	S	2
								03/23/2004	235.83	V	2
								06/15/2004	235.76	V	2
								09/14/2004	235.95	V	2
171 N01 E58 24 1	375547115244201	1996	017	1560.	911.	1560.	4932.	12/17/2003	129.33	S	2
								03/25/2004	129.25	V	2
								06/17/2004	129.34	V	2
								09/16/2004	129.40	V	2
172 N02 E57 22BBC 1	380132115333501	1980	017	1010.			5550.	12/17/2003	407.35	S	1
								03/25/2004	407.38	V	1
								06/17/2004	407.94	V	1
								09/16/2004	408.20	V	1
172 N03 E59 10BD 1	380758115204601	1980	023	1837.	118.		5560.	10/28/2003	797.46	V	1
								02/10/2004	797.62	V	1
								03/09/2004	797.61	V	1
								03/12/2004	799.64	V	1
								03/12/2004	799.62	V	1
								03/25/2004	797.58	V	1
								06/17/2004	797.68	V	1
								09/16/2004	797.68	V	1
173B N03 E52 02DA 2	380906116050502	1980	023	495.			5010.	12/15/2003	233.85	V	2
								03/23/2004	233.72	V	2
								06/15/2004	233.71	V	2
								09/14/2004	233.96	V	2
173B N10 E58 17CAAB1	384338115283601	1980	023	581.	279.	560.	5135.	12/15/2003	274.19	S	2
								03/23/2004	274.69	V	2
								06/15/2004	275.28	V	2
								09/14/2004	276.17	V	2
173B N11 E57 09CDB 1	384920115343001	1948	023	186.			5075.	12/15/2003	158.70	S	2
								03/23/2004	159.38	V	2
								06/15/2004	159.48	V	2
								09/14/2004	159.49	V	2
179 N12 E63 12AB 1	385521114503601	1980	033	948.	500.	940.	7320.	10/29/2003	428.89	T	0
								12/16/2003	429.48	S	1
								03/24/2004	429.87	V	1
								06/16/2004	430.00	V	1
								09/15/2004	430.54	V	1
180 N07 E63 14BADD1	382807114521001	1980	017	460.	375.	250.	6008.	12/17/2003	219.55	S	2
								03/25/2004	219.39	V	2
								09/16/2004	219.33	V	2
181 N03 E63 27CAA 1	380531114534201	1980	017	2395.	935.		5560.	12/17/2003	847.61	V	1
								03/25/2004	846.73	V	1
								06/17/2004	846.86	V	1
								09/16/2004	846.69	V	1
181 N04 E64 07DC 1	381256114500701	1981	017	1190.			5530.	12/17/2003	253.89	S	2
								03/25/2004	253.71	V	2
								06/17/2004	253.82	V	2
								09/16/2004	253.71	V	2
181 S03 E64 12AC 1	374215114453101	1980	017	1000.			4640.	11/06/2003	394.07	V	1
								02/13/2004	393.96	S	1
								02/13/2004	393.96	V	1
								03/25/2004	393.88	V	1
								05/06/2004	393.97	V	1

GROUND-WATER LEVELS--Continued
CARBONATE ROCK STUDY AREA

Local Well No	Site Identification	Period of Record	County Code	Well Depth	Perforated Interval (feet) Top	Perforated Interval (feet) Bottom	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	Feet	Method	Accuracy
183 N06 E66 35C 1	382003114322501	1946	017	161.			5950.	12/18/2003	153.97	S	2
								03/26/2004	152.38	S	2
								06/18/2004	153.67	S	2
								09/17/2004	156.05	S	2
183 N07 E66 16DC 1	382753114341301	1980	017	97.			5915.	12/17/2003	20.77	S	2
								03/25/2004	20.58	S	2
								06/18/2004	20.86	S	2
								09/16/2004	21.15	S	2
183 N08 E65 02D 1	383502114383201	1964	017	130.			5975.	12/17/2003	32.52	S	2
								03/25/2004	32.50	S	2
								06/18/2004	32.79	S	2
								09/16/2004	32.48	S	2
184 N09 E68 30AAAB1	383704114225001	1980	017	679.	559.	679.	6010.	12/16/2003	225.37	S	2
								03/24/2004	225.26	V	2
								06/16/2004	225.30	V	2
								09/15/2004	225.22	V	2
184 N10 E67 22AA 1	384310114261401	1980	033	100.			5889.	12/16/2003	65.95	S	2
								03/24/2004	65.96	S	2
								06/16/2004	66.02	S	2
								09/15/2004	66.06	S	2
184 N11 E68 19DCDC1	384745114224401	1981	033	200.			5906.	12/16/2003	99.88	S	2
								03/24/2004	100.01	S	2
								06/16/2004	100.06	S	2
								09/15/2004	100.20	S	2
184 N13 E67 18DCAB1	385920114294001	1960	033	120.			5850.	12/16/2003	52.44	S	2
								09/15/2004	52.65	S	2
184 N14 E66 24BDDD1	390352114305401	1981	033	160.			5840.	12/16/2003	38.38	S	2
								03/24/2004	37.70	S	2
								06/15/2004	37.93	S	2
								09/15/2004	37.94	S	2
195 N11 E70 35AD 1	384702114041601	1981	033	101.			5578.	12/16/2003	69.22	S	2
								03/24/2004	69.07	S	2
								06/16/2004	69.12	S	2
								09/15/2004	69.32	S	2
195 N11 E70 35BA 1	384714114051001	1980	033	200.			5660.	12/16/2003	142.18	S	2
								03/24/2004	142.16	S	2
								06/16/2004	142.21	S	2
								09/15/2004	142.21	S	2
195 N14 E70 08DC 1	390543114081801	1981	033	79.			5996.	12/16/2003	61.39	S	2
								03/24/2004	61.52	S	2
								06/16/2004	55.68	S	2
								09/15/2004	62.34	S	2
195 N15 E70 25DD 1	390812114033601	1981	033	94.			5068.	12/16/2003	13.94	S	2
								03/24/2004	13.85	S	2
								06/15/2004	14.28	S	2
								09/15/2004	14.57	S	2
196 N08 E69 35DC 2	383023114115302	1980	017	435.			5830.	12/16/2003	176.38	S	2
								03/24/2004	176.83	V	2
								06/16/2004	177.00	V	2
								09/15/2004	177.02	V	2
210 S12 E63 29DABC1	365227114554401	1981	017	1221.			2466.9	10/01/2003	610.99	V	1
								03/18/2004	610.95	V	1
								06/24/2004	611.03	V	1
								09/20/2004	611.33	V	1
210 S13 E63 11BACD1	365008114541101	1981	003	170.			2222.	10/01/2003	163.48	V	2
								03/18/2004	163.29	V	2
								06/24/2004	163.37	V	2
								09/20/2004	163.29	V	2
210 S13 E63 23DDDC1	364743114533101	1981	003	669.	50.	669.	2172.6	10/01/2003	354.60	V	1
								03/18/2004	354.18	V	1
								05/10/2004	354.07	V	1
								06/24/2004	354.43	V	1

GROUND-WATER LEVELS--Continued
CARBONATE ROCK STUDY AREA

Local Well No	Site Identification	Period of Record	County Code	Well Depth	Perforated Interval (feet) Top	Perforated Interval (feet) Bottom	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	Feet	Method	Accuracy
210 S13 E63 23DDDC1	364743114533101	1981	003	669.	50.	669.	2172.6	08/11/2004	354.67	V	1
								09/20/2004	354.83	V	1
210 S13 E64 31DAAD1	364601114514301	1985	003	765.	645.	765.	2158.6	10/01/2003	347.23	V	1
								02/20/2004	346.09	V	1
								06/24/2004	347.26	V	1
								09/20/2004	347.70	V	1
210 S14 E63 28ACDC1	364127114553001	1985	003	780.			2414.3	10/08/2003	592.29	V	1
								02/20/2004	591.31	V	1
								06/24/2004	591.44	V	1
								09/20/2004	591.85	V	1
215 S19 E63 13DCAA1	361736114531601	1993	003	900.	540.	900.	2388.4	10/08/2003	581.51	V	1
								02/20/2004	578.63	V	1
217 S16 E63 09DDAB1	363308114553001	1985	003	920.	45.	920.	2648.8	10/08/2003	832.02	V	1
								02/20/2004	831.97	V	1
								03/18/2004	832.04	V	1
								05/10/2004	831.97	V	1
								06/24/2004	832.23	V	1
								08/11/2004	832.34	V	1
								09/20/2004	832.46	V	1
219 S13 E65 28BDAC1	364650114432001	1985	003	478.	95.	478.	2185.9	10/01/2003	394.30	V	1
								02/20/2004	393.70	V	1
								03/26/2004	393.66	V	1
								05/10/2004	393.61	V	1
								06/24/2004	394.11	V	1
								09/30/2004	394.45	V	1

GROUND-WATER LEVELS, CONTINUOUS OBSERVATION WELLS

LAS VEGAS VALLEY

361704115121901. Local Number, 212 S19 E61 19BC 1.

LOCATION.--Lat 36°17'04", long 115°12'14" referenced to North American Datum of 1927, Clark County, Hydrologic Unit 15010015.

AQUIFER.--Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 16 in, depth 650 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 2,300 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring Point: Top lip of the casing, 1.86 ft above land-surface datum.

PERIOD OF RECORD.--August 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface recorded, 142.69 ft, October 1, 2000; minimum water-level depth below land surface recorded, 117.28 ft, April 28, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 137.14 ft, October 1; minimum water-level depth below land surface, 117.28 ft, April 28.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	137.06	---	---	---	---	---	---	117.60	120.03	123.20	125.59	129.80
2	---	---	---	---	---	---	---	117.61	120.11	123.26	125.67	129.80
3	---	---	---	---	---	---	---	117.62	120.21	123.29	125.74	129.85
4	---	---	---	---	---	---	---	117.62	120.32	123.35	125.80	129.92
5	---	---	---	---	---	---	---	117.67	120.38	123.43	125.88	129.92
6	---	---	---	---	---	---	---	117.75	120.43	123.50	125.95	129.82
7	---	---	---	---	---	---	---	117.80	120.50	123.54	126.01	129.86
8	---	---	---	---	---	---	---	117.83	120.60	123.61	126.07	129.93
9	---	---	---	---	---	---	---	117.87	120.74	123.69	126.12	129.96
10	---	---	---	---	---	---	---	117.88	120.88	123.77	126.20	129.96
11	---	---	---	---	---	---	---	117.98	120.95	123.84	126.46	129.91
12	---	---	---	---	---	---	---	118.17	121.03	123.90	126.74	129.78
13	---	---	---	---	---	---	---	118.39	121.14	123.99	127.01	129.69
14	---	---	---	---	---	---	---	118.54	121.22	124.09	127.37	129.68
15	---	---	---	---	---	---	---	118.69	121.34	124.17	127.71	129.73
16	---	---	---	---	---	---	---	118.84	121.48	124.22	127.92	129.85
17	---	---	---	---	---	---	---	118.95	121.69	124.28	128.03	130.05
18	---	---	---	---	---	---	---	119.07	121.81	124.32	128.20	130.28
19	---	---	---	---	---	---	---	119.20	121.88	124.36	128.29	130.55
20	---	---	---	---	---	---	---	119.34	121.93	124.41	128.37	130.93
21	---	---	---	---	---	---	---	119.47	121.97	124.47	128.55	131.22
22	---	---	---	---	---	---	---	119.55	122.07	124.56	128.66	131.35
23	---	---	---	---	---	---	117.43	119.56	122.17	124.70	128.75	131.44
24	---	---	---	---	---	---	117.42	119.61	122.24	124.83	128.92	131.54
25	---	---	---	---	---	---	117.45	119.65	122.30	124.92	129.07	131.66
26	---	---	---	---	---	---	117.48	119.70	122.35	124.98	129.11	131.72
27	---	---	---	---	---	---	117.45	119.75	122.42	125.05	129.27	131.76
28	---	---	---	---	---	---	117.36	119.76	122.54	125.15	129.24	131.80
29	---	---	---	---	---	---	117.46	119.87	122.82	125.23	129.31	131.82
30	---	---	---	---	---	---	117.55	119.97	123.08	125.32	129.54	131.82
31	---	---	---	---	---	---	---	120.00	---	125.48	129.66	---
MAX	---	---	---	---	---	---	---	120.00	123.08	125.48	129.66	131.82
MIN	---	---	---	---	---	---	---	117.60	120.03	123.20	125.59	129.68

361626115090701. Local id, 212 S19 E61 21DDB 1.

LOCATION.--Lat 36°16'52", long 115°09'31" referenced to North American Datum of 1927, in NW ¼ SE ¼ SE ¼ sec. 21, T.19 S., R.61 E., Clark County, Hydrologic Unit 15010015.

AQUIFER.--Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 8 in; depth 1,300 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 2,160 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Two inch pipe on north side of pump base, 1.5 ft. above land-surface datum.

PERIOD OF RECORD.--1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface recorded, 47.59 ft, September 1, 4, 5, 2002; minimum water-level depth below land surface measured, 27.75 ft, April 24, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 47.40 ft, October 1; minimum water-level depth below land surface, 46.38 ft, April 9, 13, 14, 15, 21.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47.39	47.27	46.99	46.70	46.65	46.50	46.43	46.50	46.72	46.93	47.01	46.72
2	47.38	47.25	46.99	46.68	46.63	46.50	46.43	46.50	46.73	46.93	47.00	46.70
3	47.39	47.25	46.98	46.70	46.62	46.49	46.44	46.50	46.75	46.93	47.00	46.72
4	47.39	47.24	46.96	46.71	46.64	46.48	46.42	46.50	46.76	46.94	47.00	46.73
5	47.38	47.23	46.94	46.70	46.67	46.51	46.41	46.52	46.75	46.94	47.01	46.73
6	47.37	47.22	46.93	46.68	46.66	46.52	46.40	46.53	46.75	46.94	47.01	46.72
7	47.37	47.21	46.92	46.66	46.65	46.51	46.40	46.54	46.76	46.94	47.01	46.72
8	47.37	47.20	46.93	46.67	46.66	46.50	46.39	46.55	46.77	46.94	47.01	46.72
9	47.36	47.19	46.91	46.66	46.66	46.48	46.39	46.55	46.79	46.95	47.01	46.72
10	47.36	47.18	46.89	46.66	46.65	46.48	46.40	46.55	46.80	46.95	47.01	46.72
11	47.37	47.17	46.87	46.66	46.65	46.48	46.40	46.57	46.80	46.96	47.01	46.71
12	47.36	47.15	46.88	46.66	46.66	46.47	46.40	46.59	46.81	46.96	47.02	46.70
13	47.36	47.14	46.88	46.64	46.65	46.48	46.39	46.60	46.82	46.97	47.02	46.69
14	47.35	47.13	46.87	46.62	46.64	46.48	46.39	46.60	46.82	46.97	47.02	46.70
15	47.35	47.11	46.89	46.61	46.65	46.48	46.40	46.60	46.82	46.97	47.01	46.70
16	47.36	47.10	46.87	46.62	46.65	46.48	46.40	46.61	46.84	46.97	46.99	46.70
17	47.35	47.10	46.85	46.64	46.65	46.47	46.40	46.62	46.85	46.97	46.96	46.69
18	47.34	47.09	46.84	46.64	46.62	46.47	46.43	46.63	46.85	46.97	46.93	46.68
19	47.34	47.07	46.83	46.63	46.63	46.48	46.43	46.64	46.86	46.98	46.90	46.69
20	47.34	47.05	46.82	46.64	46.62	46.48	46.42	46.65	46.85	46.98	46.87	46.71
21	47.33	47.02	46.83	46.66	46.61	46.46	46.40	46.65	46.86	46.98	46.84	46.72
22	47.33	47.05	46.82	46.66	46.60	46.45	46.43	46.65	46.87	46.98	46.81	46.70
23	47.32	47.05	46.80	46.63	46.59	46.45	46.43	46.66	46.88	46.99	46.79	46.70
24	47.33	47.02	46.79	46.62	46.60	46.45	46.44	46.66	46.89	47.00	46.78	46.69
25	47.34	47.01	46.76	46.64	46.58	46.45	46.46	46.68	46.90	47.00	46.76	46.69
26	47.33	47.03	46.79	46.66	46.55	46.46	46.47	46.69	46.89	47.00	46.75	46.68
27	47.31	47.04	46.80	46.64	46.53	46.47	46.45	46.69	46.90	47.00	46.75	46.68
28	47.29	47.02	46.78	46.63	46.53	46.48	46.43	46.69	46.91	47.00	46.74	46.67
29	47.27	47.00	46.73	46.64	46.52	46.46	46.47	46.71	46.92	47.00	46.74	46.67
30	47.27	46.99	46.72	46.62	---	46.45	46.49	46.72	46.92	47.00	46.74	46.67
31	47.28	---	46.70	46.63	---	46.44	---	46.72	---	47.00	46.74	---
MAX	47.39	47.27	46.99	46.71	46.67	46.52	46.49	46.72	46.92	47.00	47.02	46.73
MIN	47.27	46.99	46.70	46.61	46.52	46.44	46.39	46.50	46.72	46.93	46.74	46.67

361456115111001. Local Number, 212 S19 E61 32CC 1.

LOCATION.--Lat 36°14'55", long 115°11'16" referenced to North American Datum of 1927, Clark County, Hydrologic Unit 15010015,

AQUIFER.--Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 12.75 in, depth 630, cased to 630 ft, perforated from 470 ft to 610 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 2,190 ft above National geodetic Vertical Datum of 1929, from topographic map. Measuring Point: Top lip of the casing, 1.69 ft above land-surface datum.

PERIOD OF RECORD.--August 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface recorded, 144.88 ft, October 5, 1998; minimum water-level depth below land surface, 116.11 ft, July 3, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 124.65 ft, October 16, 17; minimum water-level depth below land surface, 116.11 ft, July 3.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124.51	124.22	123.04	121.66	120.64	119.41	118.25	117.40	116.53	116.20	116.29	116.68
2	124.47	124.15	123.01	121.57	120.54	119.38	118.25	117.35	116.54	116.18	116.30	116.61
3	124.51	124.15	122.94	121.63	120.47	119.33	118.25	117.29	116.54	116.16	116.30	116.67
4	124.53	124.12	122.91	121.64	120.50	119.30	118.19	117.25	116.52	116.17	116.31	116.76
5	124.53	124.10	122.85	121.61	120.55	119.36	118.14	117.24	116.47	116.19	116.34	116.79
6	124.52	124.07	122.75	121.52	120.51	119.36	118.10	117.24	116.41	116.18	116.36	116.79
7	124.51	124.03	122.68	121.51	120.43	119.33	118.09	117.21	116.37	116.16	116.37	116.79
8	124.52	123.98	122.75	121.52	120.42	119.25	118.05	117.15	116.39	116.16	116.38	116.82
9	124.48	123.93	122.70	121.47	120.38	119.15	118.02	117.09	116.43	116.18	116.40	116.85
10	124.52	123.90	122.60	121.39	120.33	119.12	118.01	117.02	116.43	116.19	116.40	116.88
11	124.58	123.87	122.56	121.36	120.31	119.07	117.97	117.03	116.39	116.19	116.40	116.89
12	124.58	123.76	122.58	121.38	120.29	119.00	117.92	117.05	116.39	116.18	116.44	116.85
13	124.62	123.74	122.53	121.34	120.22	119.02	117.86	117.05	116.37	116.21	116.45	116.85
14	124.58	123.68	122.43	121.23	120.17	118.99	117.82	116.99	116.32	116.23	116.47	116.90
15	124.58	123.59	122.52	121.17	120.14	118.97	117.79	116.93	116.30	116.22	116.48	116.93
16	124.62	123.56	122.48	121.16	120.14	118.91	117.75	116.90	116.32	116.21	116.47	116.94
17	124.61	123.57	122.40	121.16	120.09	118.86	117.72	116.90	116.32	116.22	116.46	116.94
18	124.58	123.57	122.34	121.13	119.96	118.83	117.75	116.89	116.32	116.20	116.45	116.91
19	124.57	123.46	122.26	121.07	119.94	118.82	117.71	116.86	116.30	116.19	116.46	116.95
20	124.57	123.36	122.17	121.06	119.89	118.79	117.64	116.83	116.26	116.19	116.48	117.05
21	124.55	123.27	122.19	121.08	119.81	118.71	117.56	116.80	116.22	116.18	116.47	117.10
22	124.51	123.39	122.21	121.05	119.72	118.63	117.60	116.77	116.22	116.17	116.46	117.11
23	124.48	123.38	122.10	120.94	119.70	118.59	117.59	116.72	116.24	116.19	116.48	117.12
24	124.49	123.23	122.03	120.84	119.73	118.57	117.56	116.71	116.23	116.23	116.52	117.13
25	124.53	123.17	121.89	120.88	119.65	118.52	117.57	116.70	116.21	116.23	116.53	117.14
26	124.50	123.23	121.96	120.90	119.55	118.52	117.54	116.69	116.18	116.21	116.54	117.15
27	124.40	123.29	122.02	120.84	119.51	118.55	117.43	116.67	116.18	116.22	116.61	117.17
28	124.29	123.19	121.94	120.79	119.52	118.55	117.32	116.60	116.19	116.23	116.62	117.17
29	124.18	123.10	121.81	120.75	119.49	118.47	117.40	116.64	116.19	116.24	116.63	117.17
30	124.19	123.07	121.75	120.62	---	118.37	117.41	116.63	116.20	116.25	116.67	117.20
31	124.22	---	121.70	120.63	---	118.32	---	116.57	---	116.26	116.69	---
MAX	124.62	124.22	123.04	121.66	120.64	119.41	118.25	117.40	116.54	116.26	116.69	117.20
MIN	124.18	123.07	121.70	120.62	119.49	118.32	117.32	116.57	116.18	116.16	116.29	116.61

361232115061001. Local Number, 212 S20 E61 13ABDB1.

LOCATION.--Lat 36°12'57", long 115°06'16" referenced to North American Datum of 1927, in SE ¼ NW ¼ NE ¼ sec. 13, T.20 S., R.61 E., Clark County, Hydrologic Unit 15010015.

AQUIFER.--Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 28.5 in, depth, 1,230 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface is 1857 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Two inch pipe on west side of pump base, 0.5 ft above land-surface datum.

PERIOD OF RECORD.--February 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface measured, 82.64 ft, September 12, 1984; minimum water-level depth below land surface measured, 36.57 ft, September 29, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 40.03 ft, October 17; minimum water-level depth below land surface, 36.57 ft, September 29.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.99	39.54	38.92	38.43	38.12	37.88	37.45	37.20	37.02	37.06	37.05	36.83
2	39.96	39.53	38.93	38.39	38.08	37.85	37.44	37.18	37.03	37.06	37.04	36.79
3	39.97	39.53	38.89	38.38	38.04	37.84	37.43	37.15	37.04	37.04	37.03	36.80
4	39.99	39.53	38.89	38.40	38.07	37.81	37.42	37.12	37.05	37.05	37.02	36.84
5	39.99	39.53	38.87	38.38	38.11	37.85	37.40	37.12	37.04	37.07	37.02	36.84
6	39.98	39.53	38.83	38.32	38.11	37.86	37.40	37.14	37.01	37.06	37.02	36.82
7	39.96	39.52	38.80	38.31	38.07	37.84	37.40	37.14	37.00	37.04	37.02	36.79
8	39.97	39.52	38.84	38.32	38.08	37.80	37.38	37.13	37.02	37.04	37.02	36.78
9	39.95	39.50	38.81	38.30	38.07	37.76	37.37	37.11	37.06	37.05	37.01	36.78
10	39.97	39.49	38.76	38.26	38.05	37.75	37.36	37.08	37.08	37.06	37.01	36.78
11	40.00	39.48	38.75	38.25	38.04	37.73	37.34	37.09	37.07	37.05	37.00	36.77
12	40.00	39.45	38.78	38.26	38.06	37.70	37.32	37.12	37.07	37.04	37.01	36.73
13	40.01	39.45	38.77	38.25	38.03	37.70	37.29	37.13	37.07	37.06	37.00	36.70
14	39.99	39.42	38.72	38.27	38.01	37.69	37.28	37.10	37.05	37.07	37.00	36.70
15	39.99	39.39	38.78	38.25	38.02	37.68	37.27	37.08	37.05	37.07	36.99	36.71
16	40.01	39.37	38.77	38.25	38.04	37.65	37.26	37.06	37.05	37.06	36.99	36.71
17	40.01	39.13	38.73	38.25	38.05	37.62	37.25	37.06	37.06	37.06	36.97	36.70
18	40.00	39.13	38.72	38.24	37.99	37.62	37.28	37.07	37.07	37.05	36.96	36.68
19	39.79	39.07	38.69	38.22	38.00	37.62	37.26	37.06	37.07	37.05	36.95	36.67
20	39.67	39.02	38.64	38.22	37.98	37.62	37.23	37.06	37.06	37.06	36.95	36.71
21	39.65	38.97	38.65	38.24	37.97	37.59	37.20	37.05	37.04	37.05	36.94	36.72
22	39.63	39.03	38.66	38.23	37.94	37.56	37.23	37.05	37.05	37.04	36.91	36.69
23	39.60	39.03	38.62	38.19	37.93	37.55	37.24	37.03	37.06	37.04	36.90	36.68
24	39.61	38.96	38.58	38.14	37.97	37.55	37.23	37.03	37.06	37.06	36.90	36.66
25	39.64	38.93	38.53	38.17	37.97	37.54	37.24	37.03	37.05	37.07	36.89	36.65
26	39.62	38.94	38.57	38.19	37.92	37.54	37.22	37.03	37.04	37.06	36.89	36.64
27	39.57	38.99	38.61	38.17	37.93	37.56	37.16	37.03	37.05	37.06	36.91	36.63
28	39.53	38.95	38.58	38.15	37.93	37.58	37.12	37.02	37.05	37.06	36.90	36.61
29	39.49	38.90	38.51	38.14	37.92	37.54	37.17	37.04	37.05	37.05	36.88	36.59
30	39.51	38.91	38.45	38.08	---	37.50	37.20	37.05	37.06	37.05	36.87	36.59
31	39.54	---	38.43	38.09	---	37.48	---	37.03	---	37.05	36.86	---
MAX	40.01	39.54	38.93	38.43	38.12	37.88	37.45	37.20	37.08	37.07	37.05	36.84
MIN	39.49	38.90	38.43	38.08	37.92	37.48	37.12	37.02	37.00	37.04	36.86	36.59

361400115040901. Local number, 212 S20 E62 05CAAA1.

LOCATION.--Lat 36°14'00", long 115°04'09" referenced to North American Datum of 1927, in NE ¼ NE ¼ SW ¼ sec. 05, T.20 S., R.62 E., Clark County, Hydrologic Unit 15010015.

AQUIFER.--Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 15 in, depth 1,000 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 1,869 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top lip of the casing, 1.50 ft. above land-surface datum.

PERIOD OF RECORD.--February 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface measured, 157.36 ft, September 15, 1993; minimum water-level depth below land surface measured, 70.56 ft, May 12, 13, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 95.41 ft, October 14; minimum water-level depth below land surface, 77.91 ft, March 25.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93.90	92.50	86.59	82.93	80.56	78.55	79.02	78.62	79.99	81.40	81.99	82.13
2	93.98	92.23	86.44	82.77	80.42	78.49	78.89	78.59	80.06	81.42	82.00	82.09
3	94.14	92.02	86.25	82.74	80.33	78.43	78.80	78.56	80.16	81.43	82.01	82.17
4	94.27	91.79	86.10	82.68	80.34	78.39	78.73	78.58	80.19	81.48	82.02	82.21
5	94.43	91.59	85.92	82.58	80.32	78.46	78.60	78.65	80.15	81.54	82.04	82.17
6	94.47	91.35	85.72	82.43	80.23	78.44	78.51	78.64	80.09	81.54	82.05	82.15
7	94.50	91.12	85.53	82.35	80.08	78.40	78.46	78.58	80.09	81.51	82.07	82.18
8	94.59	90.90	85.49	82.28	80.02	78.34	78.42	78.54	80.15	81.53	82.10	82.42
9	94.66	90.66	85.33	82.16	79.95	78.24	78.36	78.55	80.25	81.58	82.13	82.57
10	94.81	90.47	85.16	82.03	79.90	78.21	78.31	78.60	80.30	81.62	82.16	82.55
11	94.97	90.29	85.04	81.93	79.86	78.19	78.22	78.75	80.29	81.65	82.19	82.43
12	95.12	90.05	84.98	81.87	79.83	78.16	78.14	78.87	80.33	81.67	82.26	82.26
13	95.28	89.86	84.86	81.78	79.77	78.22	78.25	79.04	80.36	81.72	82.30	82.18
14	95.36	89.64	84.72	81.67	79.69	78.24	78.37	79.14	80.40	81.76	82.35	82.19
15	95.34	89.42	84.74	81.63	79.66	78.22	78.47	79.13	80.45	81.77	82.40	82.36
16	95.29	89.22	84.64	81.60	79.65	78.19	78.53	79.14	80.53	81.79	82.42	82.43
17	95.29	89.05	84.50	81.57	79.57	78.16	78.53	79.17	80.59	81.83	82.42	82.44
18	95.29	88.95	84.39	81.49	79.44	78.16	78.54	79.20	80.63	81.85	82.40	82.42
19	95.29	88.72	84.25	81.38	79.39	78.17	78.49	79.22	80.67	81.88	82.40	82.47
20	95.29	88.49	84.14	81.31	79.31	78.14	78.57	79.27	80.68	81.86	82.44	82.57
21	95.29	88.27	84.12	81.27	79.22	78.08	78.59	79.31	80.73	81.81	82.46	82.63
22	95.13	88.22	84.07	81.19	79.09	78.02	78.66	79.36	80.81	81.79	82.43	82.65
23	94.83	88.06	83.91	81.06	79.04	78.00	78.62	79.38	80.89	81.81	82.37	82.66
24	94.57	87.78	83.78	80.94	79.03	77.97	78.60	79.50	80.98	81.85	82.42	82.69
25	94.33	87.57	83.61	80.93	78.93	77.95	78.58	79.65	81.04	81.87	82.40	82.72
26	94.03	87.47	83.61	80.93	78.81	77.99	78.56	79.74	81.10	81.89	82.38	82.72
27	93.69	87.37	83.58	80.90	78.73	78.29	78.50	79.79	81.17	81.93	82.38	82.74
28	93.45	87.14	83.46	80.86	78.71	78.69	78.46	79.82	81.24	81.94	82.30	82.86
29	93.16	86.91	83.28	80.81	78.66	79.03	78.56	79.90	81.31	81.93	82.19	83.07
30	92.94	86.75	83.17	80.65	---	79.19	78.60	79.93	81.35	81.94	82.15	83.15
31	92.74	---	83.05	80.59	---	79.16	---	79.95	---	81.96	82.15	---
MAX	95.36	92.50	86.59	82.93	80.56	79.19	79.02	79.95	81.35	81.96	82.46	83.15
MIN	92.74	86.75	83.05	80.59	78.66	77.95	78.14	78.54	79.99	81.40	81.99	82.09

360349115100001. Local Number, 212 S22 E61 04BCB 1.

LOCATION.--Lat 36°03'58", long 115°10'16" referenced to North American Datum of 1927, in NW ¼ SW ¼ NW ¼ sec. 04, T.22 S., R.61 E., Clark County, Hydrologic Unit 15010015,

AQUIFER.--Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 8 in, depth 355 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 2,219 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring Point: Hole in top of casing, 0.8 ft above land-surface datum.

PERIOD OF RECORD.--1938 to current year; 1938 (unpublished and available in the files of the U.S. Geological Survey); January 1951 - June 1978 (unpublished and available in the files of the Nevada Division of Water Resources).

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface measured, 183.36 ft, June 15, 1992; minimum water-level depth below land surface measured, 74.40 ft, January 25, 1939.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 151.09 ft, October 1; minimum water-level depth below land surface, 148.29 ft, April 28.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	151.03	150.63	150.27	149.69	149.33	148.69	148.50	148.74	148.72	149.11	149.13	149.08
2	150.91	150.59	150.29	149.60	149.25	148.65	148.55	148.70	148.76	149.09	149.13	148.91
3	150.94	150.63	150.21	149.70	149.12	148.62	148.66	148.63	148.84	149.05	149.13	148.95
4	151.00	150.66	150.20	149.84	149.22	148.57	148.64	148.57	148.87	149.05	149.12	149.09
5	151.00	150.68	150.15	149.88	149.41	148.76	148.60	148.58	148.81	149.10	149.16	149.14
6	150.97	150.68	150.02	149.76	149.50	148.88	148.58	148.65	148.73	149.11	149.18	149.11
7	150.92	150.66	149.94	149.74	149.37	148.93	148.60	148.67	148.68	149.06	149.20	149.07
8	150.93	150.65	150.12	149.81	149.38	148.86	148.60	148.62	148.73	149.05	149.21	149.05
9	150.84	150.58	150.18	149.79	149.36	148.69	148.62	148.54	148.87	149.08	149.20	149.07
10	150.86	150.58	150.04	149.69	149.32	148.63	148.65	148.43	148.95	149.11	149.18	149.06
11	151.00	150.61	149.99	149.63	149.30	148.59	148.67	148.48	148.94	149.12	149.15	149.04
12	150.99	150.50	150.11	149.71	149.34	148.52	148.65	148.61	148.95	149.09	149.20	148.90
13	151.03	150.52	150.12	149.71	149.28	148.60	148.58	148.69	148.97	149.13	149.22	148.82
14	150.97	150.48	150.00	149.55	149.21	148.64	148.54	148.65	148.92	149.20	149.22	148.84
15	150.93	150.38	150.22	149.43	149.20	148.68	148.52	148.58	148.89	149.19	149.22	148.89
16	151.02	150.35	150.27	149.43	149.27	148.64	148.51	148.54	148.94	149.16	149.23	148.89
17	151.04	150.41	150.17	149.51	149.26	148.58	148.50	148.58	149.00	149.16	149.17	148.87
18	150.99	150.52	150.10	149.54	149.05	148.56	148.65	148.64	149.04	149.13	149.11	148.77
19	150.97	150.41	149.99	149.48	149.03	148.62	148.67	148.65	149.04	149.11	149.09	148.78
20	150.98	150.23	149.85	149.49	148.97	148.67	148.61	148.66	148.98	149.11	149.08	148.98
21	150.94	150.09	149.88	149.62	148.87	148.59	148.48	148.66	148.96	149.08	149.05	149.10
22	150.88	150.33	149.98	149.63	148.78	148.48	148.56	148.65	149.01	149.05	148.98	149.10
23	150.81	150.46	149.85	149.49	148.78	148.48	148.63	148.60	149.07	149.07	148.98	149.06
24	150.85	150.27	149.74	149.29	148.90	148.54	148.64	148.63	149.09	149.16	149.02	149.00
25	150.97	150.15	149.56	149.37	148.85	148.56	148.71	148.65	149.07	149.18	149.02	148.93
26	150.99	150.29	149.74	149.51	148.71	148.62	148.75	148.70	149.03	149.15	148.99	148.86
27	150.84	150.54	149.96	149.48	148.67	148.76	148.60	148.73	149.03	149.14	149.10	148.82
28	150.64	150.45	149.97	149.43	148.73	148.86	148.37	148.65	149.06	149.14	149.10	148.76
29	150.41	150.30	149.79	149.40	148.77	148.81	148.51	148.73	149.06	149.11	149.07	148.71
30	150.41	150.27	149.72	149.22	---	148.67	148.67	148.81	149.09	149.10	149.09	148.72
31	150.55	---	149.69	149.22	---	148.60	---	148.76	---	149.11	149.12	---
MAX	151.04	150.68	150.29	149.88	149.50	148.93	148.75	148.81	149.09	149.20	149.23	149.14
MIN	150.41	150.09	149.56	149.22	148.67	148.48	148.37	148.43	148.68	149.05	148.98	148.71

GROUND-WATER LEVELS CONTINUOUS OBSERVATION WELLS

LAS VEGAS SUBSIDENCE STUDY

361410115142601. Local Number, 212 S20 E60 02CCBB1.

LOCATION.--Lat 36°14'10", long 115°14'26" referenced to North American Datum of 1927, in NW ¼ SW ¼ SW ¼ sec. 02, T.20 S., R.60 E., Clark County, Hydrologic Unit 15010015.

AQUIFER.--Alluvium of Quarternary age.

INSTRUMENTATION.--Water-level recorder.

PERIOD OF RECORD.--November 1994 to current year.

DATUM.--Elevation of land-surface datum is 2,312 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring Point: Top lip of casing 1.36 ft above land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface, 328.85 ft, October 1, 1997; minimum water-level depth below land surface, 227.48 ft, May 1, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 277.81 ft, October 4; minimum water-level depth below land surface, 227.56 ft, June 1.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	276.00	262.86	250.84	240.12	236.16	232.84	228.42	229.02	227.88	248.18	255.93	269.62
2	277.42	262.51	250.57	240.45	236.05	232.52	228.56	228.89	228.96	248.34	256.15	267.87
3	277.52	262.16	250.16	240.40	235.92	232.47	229.36	228.70	229.67	248.61	256.34	267.37
4	277.14	261.90	249.83	240.55	236.64	232.42	229.35	228.77	230.08	248.96	256.59	267.42
5	274.96	261.46	249.50	240.46	236.87	233.12	229.70	229.21	232.59	249.12	257.07	267.55
6	274.76	261.09	249.06	240.12	236.97	233.00	230.47	229.33	234.71	249.09	257.35	267.20
7	274.56	260.68	248.60	239.82	236.61	232.44	230.65	229.41	235.14	249.42	257.69	267.42
8	273.56	260.31	248.45	239.78	236.50	232.13	230.77	229.34	236.95	249.79	258.17	267.68
9	272.99	259.89	248.24	239.66	236.37	231.78	230.49	228.75	237.46	250.10	261.22	267.72
10	272.15	259.54	247.65	239.36	235.99	231.50	230.43	228.42	238.88	250.36	262.74	267.10
11	272.02	259.27	247.31	239.08	235.06	231.43	230.42	228.44	239.46	250.73	262.30	267.91
12	272.47	258.80	247.07	239.16	234.97	231.19	230.29	228.56	238.43	250.90	263.97	267.73
13	273.43	258.49	246.80	238.93	234.76	231.11	230.15	228.62	234.06	250.80	264.94	267.75
14	273.74	258.17	246.25	238.54	234.48	231.09	230.00	228.52	238.48	251.59	265.12	267.90
15	272.97	257.75	246.17	238.16	234.30	231.04	229.93	228.35	240.12	252.03	265.08	268.35
16	270.61	257.36	246.13	237.98	234.24	230.83	229.87	228.24	241.57	252.10	262.66	268.48
17	268.82	257.14	245.40	237.91	234.17	230.86	229.71	228.24	243.96	252.26	263.98	268.55
18	268.11	256.87	244.53	237.78	233.77	231.26	229.86	228.27	244.46	251.79	265.47	268.68
19	267.61	255.96	243.99	237.52	233.57	231.29	229.78	228.24	243.73	250.66	266.15	268.83
20	267.26	255.18	243.41	237.28	233.48	230.65	229.67	228.19	243.87	251.36	266.90	269.13
21	266.82	254.14	243.03	237.31	233.23	230.22	229.37	228.15	244.78	252.80	267.33	265.27
22	266.36	253.92	243.26	237.52	233.05	229.92	229.35	228.08	245.18	253.02	268.03	264.95
23	265.89	253.87	243.10	237.40	233.66	229.68	229.47	227.97	245.65	253.33	268.46	264.75
24	265.58	253.79	242.57	237.02	234.95	229.66	229.39	227.95	245.83	253.26	268.83	264.67
25	265.38	252.87	242.48	236.95	235.14	229.55	229.38	227.93	246.22	252.80	269.50	264.62
26	265.10	252.50	241.28	237.13	234.95	229.41	229.39	227.94	246.40	252.70	269.89	264.53
27	264.59	252.55	241.25	236.99	234.90	229.44	229.17	227.91	246.85	253.51	270.44	264.56
28	264.00	252.14	240.95	236.75	234.02	229.44	228.73	227.76	246.69	254.72	271.03	264.49
29	263.44	251.54	240.32	236.62	233.14	229.25	228.81	227.76	247.38	254.98	271.41	264.59
30	263.05	251.14	239.85	236.35	---	228.91	229.03	227.88	247.83	255.29	271.78	264.81
31	263.03	---	239.67	236.08	---	228.66	---	227.75	---	255.54	272.08	---
MAX	277.52	262.86	250.84	240.55	236.97	233.12	230.77	229.41	247.83	255.54	272.08	269.62
MIN	263.03	251.14	239.67	236.08	233.05	228.66	228.42	227.75	227.88	248.18	255.93	264.49

361410115142602. Local Number, 212 S20 E60 02CCBB2.

LOCATION.--Lat 36°14'10", long 115°14'26" referenced to North American Datum of 1927, in NW ¼ SW ¼ SW ¼ sec. 02, T.20 S., R.60 E., Clark County, Hydrologic Unit 15010015.

AQUIFER.--Alluvium of Quarternary age.

INSTRUMENTATION.--Water-level recorder.

MEASURING POINT.--Top lip of casing, 1.36 ft above land-surface datum.

GAGE.--Elevation of land-surface datum is 2,312 ft above National Geodetic Survey of 1929, from topographic map. Measuring Point: Top lip of casing, 1.36 ft above land-surface datum.

PERIOD OF RECORD.--November 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface, 311.46 ft, October 1, 1997; minimum water-level depth below land surface, 225.39 ft, June 1, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 271.79 ft, October 4; minimum water-level depth below land surface, 225.39 ft, June 1.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	271.01	261.42	251.73	241.53	235.70	232.01	227.74	227.32	225.47	236.03	243.38	254.90
2	271.45	261.08	251.48	241.37	235.52	231.75	227.84	227.18	225.61	236.22	243.61	254.43
3	271.55	260.79	251.05	241.27	235.25	231.69	228.32	226.98	225.79	236.43	243.81	254.45
4	271.29	260.62	250.75	241.37	235.65	231.45	228.26	226.83	225.88	236.73	244.04	254.86
5	270.06	260.30	250.41	241.22	235.83	231.67	228.46	226.82	226.45	236.99	244.35	255.05
6	269.84	260.01	249.96	240.83	235.90	231.72	228.83	226.88	227.13	237.14	244.64	255.06
7	269.53	259.67	249.51	240.53	235.50	231.61	228.87	226.88	227.98	237.35	244.92	255.13
8	269.01	259.36	249.44	240.46	235.40	231.35	228.83	226.76	228.60	237.61	245.24	255.35
9	268.55	258.97	249.31	240.26	235.25	231.00	228.78	226.58	228.96	237.90	246.45	255.50
10	268.09	258.65	248.75	239.90	234.95	230.75	228.75	226.35	229.61	238.17	247.07	255.47
11	268.05	258.46	248.42	239.60	234.36	230.68	228.75	226.41	229.79	238.46	247.22	255.85
12	268.21	258.00	248.24	239.58	234.30	230.43	228.61	226.54	229.65	238.64	247.99	255.81
13	268.56	257.76	248.01	239.39	234.07	230.39	228.45	226.59	228.41	238.86	248.59	255.88
14	268.53	257.46	247.45	238.97	233.78	230.38	228.32	226.47	229.82	239.27	248.92	256.05
15	267.96	257.05	247.45	238.58	233.62	230.31	228.25	226.29	230.29	239.53	249.15	256.41
16	267.05	256.71	247.33	238.39	233.56	230.12	228.18	226.18	231.28	239.68	248.55	256.56
17	266.49	256.54	246.79	238.32	233.46	229.91	228.03	226.18	232.30	239.91	249.26	256.69
18	265.99	256.46	246.24	238.16	233.03	229.82	228.22	226.20	232.70	239.96	249.86	256.77
19	265.61	256.00	245.80	237.88	232.85	229.80	228.11	226.17	232.58	240.02	250.37	256.92
20	265.32	255.41	245.29	237.63	232.73	229.72	227.98	226.11	232.76	240.24	250.91	257.30
21	264.98	254.74	244.97	237.63	232.48	229.44	227.69	226.06	233.17	240.72	251.27	256.23
22	264.60	254.69	244.89	237.56	232.30	229.17	227.72	225.99	233.51	240.86	251.70	256.04
23	264.15	254.65	244.45	237.25	232.59	228.96	227.80	225.87	233.90	241.19	252.10	255.88
24	263.89	254.26	244.17	236.78	233.35	228.95	227.70	225.86	234.12	241.49	252.55	255.78
25	263.75	253.52	243.75	236.70	233.41	228.85	227.70	225.83	234.40	241.59	253.04	255.71
26	263.50	253.30	243.20	236.84	233.14	228.72	227.70	225.85	234.57	241.69	253.32	255.65
27	262.99	253.41	243.23	236.64	233.06	228.77	227.44	225.81	234.87	241.85	253.93	255.64
28	262.42	252.98	242.94	236.37	232.62	228.79	226.98	225.63	235.09	242.33	254.37	255.59
29	261.87	252.40	242.30	236.21	232.25	228.59	227.13	225.67	235.42	242.54	254.72	255.59
30	261.54	252.03	241.87	235.88	---	228.23	227.33	225.77	235.75	242.80	255.10	---
31	261.56	---	241.62	235.62	---	227.99	---	225.62	---	243.06	255.51	---
MAX	271.55	261.42	251.73	241.53	235.90	232.01	228.87	227.32	235.75	243.06	255.51	---
MIN	261.54	252.03	241.62	235.62	232.25	227.99	226.98	225.62	225.47	236.03	243.38	---

361410115142603. Local Number, 212 S20 E60 02CCBB3.

LOCATION.--Lat 36°14'10", long 115°14'26" referenced to North American Datum of 1927, in NW ¼ SW ¼ SW ¼ sec. 02, T.20 S., R.60 E., Clark County, Hydrologic Unit 15010015.

AQUIFER.--Alluvium of Quarternary age.

INSTRUMENTATION.--Water-level recorder.

PERIOD OF RECORD.--November 1994 to current year.

GAGE.--Elevation of land-surface datum is 2,312 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring Point:Top lip of casing, 1.36 ft above land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum water-level depth below land surface, 243.49 ft, October 21, 1996; minimum water-level depth below land surface, 201.13 ft, May 10, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 233.06 ft, October 1; minimum water-level depth below land surface, 201.13 ft, May 10.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	232.91	229.48	223.46	216.37	210.55	206.28	202.65	201.72	201.28	205.25	210.84	216.93
2	232.71	229.30	223.32	216.02	210.40	206.01	202.56	201.70	201.34	205.37	210.96	216.91
3	232.75	229.15	223.01	215.85	209.98	205.91	202.51	201.60	201.49	205.39	211.05	217.02
4	232.77	229.03	222.79	215.91	209.96	205.62	202.35	201.50	201.55	205.50	211.21	217.29
5	232.72	228.79	222.58	215.83	210.06	205.67	202.19	201.51	201.50	205.72	211.54	217.44
6	232.65	228.67	222.24	215.46	210.13	205.71	202.07	201.57	201.41	205.94	211.80	217.62
7	232.50	228.52	221.87	215.18	209.80	205.71	202.10	201.61	201.38	206.09	211.81	217.70
8	232.50	228.36	221.91	215.11	209.71	205.63	202.02	201.51	201.49	206.19	211.97	217.89
9	232.36	228.07	221.86	214.93	209.59	205.29	201.98	201.40	201.74	206.39	212.26	218.01
10	232.18	227.96	221.46	214.62	209.46	205.05	201.97	201.27	201.95	206.56	212.52	218.16
11	232.27	227.84	221.15	214.35	209.24	204.94	201.95	201.33	202.00	206.76	212.68	218.38
12	232.14	227.48	221.09	214.31	209.18	204.69	201.94	201.53	202.12	206.93	212.95	218.44
13	232.15	227.23	220.93	214.18	208.94	204.70	201.87	201.78	202.27	207.17	213.13	218.50
14	232.02	226.97	220.52	213.82	208.70	204.68	201.83	201.67	202.30	207.38	213.33	218.65
15	231.84	226.62	220.60	213.45	208.53	204.68	201.81	201.47	202.37	207.54	213.58	218.91
16	231.83	226.35	220.55	213.23	208.52	204.57	201.81	201.39	202.55	207.73	213.74	219.10
17	231.76	226.23	220.19	213.13	208.46	204.36	201.68	201.48	202.74	207.83	213.74	219.23
18	231.55	226.23	219.88	213.00	208.08	204.20	201.83	201.56	202.92	207.91	213.79	219.17
19	231.39	225.93	219.56	212.81	207.84	204.17	201.81	201.54	203.07	208.03	213.94	219.24
20	231.33	225.48	219.14	212.63	207.69	204.14	201.83	201.55	203.17	208.34	214.15	219.66
21	231.24	225.03	218.89	212.61	207.41	203.93	201.73	201.54	203.28	208.55	214.26	219.98
22	231.00	225.10	218.90	212.50	207.20	203.74	201.82	201.68	203.50	208.73	214.40	220.11
23	230.77	225.20	218.55	212.19	207.04	203.59	201.98	201.65	203.76	208.99	214.62	220.16
24	230.69	224.81	218.20	211.74	207.11	203.56	201.96	201.63	203.94	209.28	214.94	220.27
25	230.71	224.40	217.74	211.62	206.99	203.56	201.98	201.69	204.12	209.54	215.20	220.30
26	230.64	224.34	217.65	211.73	206.65	203.47	202.11	201.80	204.25	209.69	215.28	220.32
27	230.39	224.55	217.78	211.56	206.55	203.50	201.89	201.70	204.40	209.83	215.71	220.40
28	230.03	224.31	217.63	211.32	206.49	203.50	201.52	201.48	204.60	210.07	215.98	220.37
29	229.53	223.92	217.20	211.13	206.42	203.38	201.57	201.47	204.76	210.22	216.20	220.37
30	229.31	223.65	216.89	210.78	---	203.12	201.71	201.53	204.97	210.42	216.50	---
31	229.44	---	216.59	210.51	---	202.91	---	201.40	---	210.63	216.71	---
MAX	232.91	229.48	223.46	216.37	210.55	206.28	202.65	201.80	204.97	210.63	216.71	---
MIN	229.31	223.65	216.59	210.51	206.42	202.91	201.52	201.27	201.28	205.25	210.84	---

Water Level--Levels above LSD (land-surface datum) are listed as negative values.
Water Level Status--D, site was dry (no water-level recorded); F, flowing; P, site was being pumped; R, the same site had been pumped recently; S, a nearby site that taps the same aquifer was being pumped.
Water Level Method--G, pressure gage; S, steel tape; T, electric tape; V, calibrated electric tape.
Reporting Agency--NV003, Nevada Division of Water Resources; USGS, U.S. Geological Survey
Water Level Accuracy--0, water level accurate to the nearest foot; 1, water level accurate to the nearest tenth of a foot; 2, water level accurate to the nearest one-hundreth of a foot.

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Reporting Agency	Accuracy
212 S16 E58 14A 1	363332115244001	930.	3579.	11/25/2003	815.08		V	USGS	1
				05/17/2004	815.14		V	USGS	1
212 S16 E58 23DDD 1	363212115240301	720.	3475.	11/25/2003	578.05		V	USGS	1
				03/17/2004	577.90		V	USGS	1
				05/17/2004	577.94		V	USGS	1
				09/22/2004	577.88		V	USGS	1
212 S16 E59 08 2	363407115215301	1403.	4175.	11/25/2003	1332.93		V	USGS	1
				03/18/2004	1332.92		V	USGS	1
				05/17/2004	1333.43		V	USGS	1
				09/22/2004	1333.07		V	USGS	1
212 S17 E58 14BCBA1	362830115270501	300.	3180.	12/18/2003	211.68		V	USGS	2
				02/06/2004	212.63		V	USGS	2
				05/17/2004	212.75		V	USGS	2
				06/24/2004	211.74		V	USGS	2
				08/03/2004	212.56		V	USGS	2
212 S17 E59 20BD 1	362750115244001	300.	2950.	11/04/2003	26.75		S	USGS	2
				02/06/2004	26.60		S	USGS	2
				05/17/2004	26.40		S	USGS	2
				08/03/2004	26.60		S	USGS	2
212 S19 E59 03CBAC1	361937115215601	855.	3327.	02/02/2004	744.42		V	USGS	1
				05/17/2004	741.05		V	USGS	1
212 S19 E60 04DAB 2	361939115154801	780.	2454.	11/04/2003	110.51	R	V	USGS	2
				02/04/2004	102.19		V	USGS	2
				05/19/2004	103.32		V	USGS	2
				08/03/2004	108.37		S	USGS	2
212 S19 E60 09BCC 1	361843115161001	830.	2510.	11/03/2003	187.18		V	USGS	2
				02/02/2004	180.25		V	USGS	2
				05/17/2004	182.53		V	USGS	2
				08/03/2004	186.98		V	USGS	2
212 S19 E60 09DAD 2	361835115153701	300.	2440.	11/03/2003	133.96	P	V	USGS	2
				02/02/2004	116.36		S	USGS	2
				05/19/2004	129.95	P	V	USGS	2
				08/03/2004	152.84		S	USGS	2
212 S19 E60 14BDDA1	361757115140201	300.	2350.	11/04/2003	124.67	R	V	USGS	2
				02/02/2004	118.04	R	S	USGS	2
				05/21/2004	116.37	R	V	USGS	2
212 S19 E60 22BDD 1	361703115150601	400.	2360.	11/03/2003	138.55		V	USGS	2
				02/04/2004	111.03		V	USGS	2
				05/17/2004	130.01		V	USGS	2
				08/03/2004	159.86		S	USGS	2
212 S19 E60 29BDD 1	361613115171401	303.	2530.	11/03/2003	213.87		S	USGS	2
				05/17/2004	209.05		S	USGS	2
				08/02/2004	214.90		S	USGS	2
212 S19 E60 29DD 1	361602115165501	350.	2470	11/03/2003	161.16		S	USGS	2
				02/02/2004	155.76		S	USGS	2
				05/19/2004	156.29		S	USGS	2
				08/03/2004	164.07		S	USGS	2
212 S19 E60 29DDDB1	361550115164801	400.	2462.	11/03/2003	156.23		S	USGS	2
				02/02/2004	149.32		S	USGS	2
				05/17/2004	152.15		S	USGS	2
				08/02/2004		F		USGS	
212 S19 E60 36CBB 1	361453115130301	330.	2290.	11/03/2003	142.37		S	USGS	2
				02/04/2004	123.07		V	USGS	2
				05/17/2004	121.37		S	USGS	2
				08/03/2004	130.70		S	USGS	2

GROUND-WATER LEVELS

LAS VEGAS VALLEY--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Reporting Agency	Accuracy
212 S19 E61 19BC 1	361704115121901	650.	2300.	10/02/2003	136.96		S	USGS	2
				12/22/2003	133.91		S	USGS	2
				03/23/2004	118.44		S	USGS	2
				04/22/2004	117.44		S	USGS	2
				05/04/2004	117.70		S	USGS	2
				06/21/2004	121.98		S	USGS	2
				06/22/2004	122.09		S	USGS	2
				08/12/2004	126.74		S	USGS	2
212 S19 E61 21DDB 1	361626115090701	1300.	2160.	11/06/2003	47.19		S	USGS	2
				03/23/2004	46.44		S	USGS	2
				05/04/2004	46.51		S	USGS	2
				06/21/2004	46.85		S	USGS	2
				08/12/2004	47.07		S	USGS	2
212 S19 E61 25CCC 1	361544115132701	275.	2301.	11/03/2003	128.10		S	USGS	2
				02/02/2004	109.46		S	USGS	2
				05/17/2004	118.81		S	USGS	2
				08/03/2004	122.31		S	USGS	2
212 S19 E61 31ADDD1	361516115112301	360.	2185.	11/04/2003	86.30	P	V	USGS	2
				02/02/2004	71.76	R	V	USGS	2
				05/17/2004	78.58	R	S	USGS	2
				08/04/2004	79.51		S	USGS	2
212 S19 E61 32CC 1	361456115111001	650.	2190.	10/01/2003	124.59		S	USGS	2
				11/06/2003	124.34		S	USGS	2
				12/22/2003	122.27		S	USGS	2
				02/04/2004	120.53		S	USGS	2
				03/23/2004	118.61		S	USGS	2
				05/04/2004	117.31		S	USGS	2
				06/21/2004	116.23		S	USGS	2
				08/12/2004	116.44		S	USGS	2
212 S19 E62 35DCDC1	361451115004401	838.	1867.	11/06/2003	75.41		V	USGS	1
				02/05/2004	77.19		V	USGS	1
				05/21/2004	77.46		V	USGS	1
				08/05/2004	77.63		V	USGS	1
212 S20 E60 04CAD 1	361417115161301	500.	2380.	11/03/2003	312.07		V	USGS	2
				02/04/2004	288.22		V	USGS	2
				05/17/2004	279.02		V	USGS	2
				08/03/2004	290.93		V	USGS	2
212 S20 E60 13ADAB1	361248115122701	38.	2210.	11/03/2003	19.15		S	USGS	2
				02/02/2004	19.50		S	USGS	2
				05/17/2004	19.48		S	USGS	2
				08/03/2004	19.53		S	USGS	2
212 S20 E61 01ACCD1	361425115061901	84.	1919.	11/04/2003	60.35		S	USGS	2
				02/02/2004	59.19		S	USGS	2
				05/17/2004	60.07		S	USGS	2
				08/04/2004	59.08		S	USGS	2
212 S20 E61 04BDCA1	361426115095001	270.	2103.	11/04/2003	72.77		S	USGS	2
				02/02/2004	63.00		S	USGS	2
				05/17/2004	72.51		S	USGS	2
				08/04/2004	60.98		S	USGS	2
212 S20 E61 06CBDD1	361346115115901	1000.	2211.	11/04/2003	75.10		S	USGS	2
				02/02/2004	71.92		S	USGS	2
				05/17/2004	74.80		S	USGS	2
				09/13/2004	74.52		V	USGS	2
212 S20 E61 13ABDB1	361232115061001	1230.	1857.	10/02/2003	40.02		S	USGS	2
				12/22/2003	38.62		S	USGS	2
				03/23/2004	37.56		S	USGS	2
				05/04/2004	37.15		S	USGS	2
				06/21/2004	37.07		S	USGS	2
				08/12/2004	37.01		S	USGS	2
212 S20 E61 14CCCC1	361212115065901	46.	1910.	11/05/2003	20.14		S	USGS	2
				02/05/2004	20.57		S	USGS	2
				05/18/2004	20.83		S	USGS	2
				08/04/2004	20.61		S	USGS	2

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Reporting Agency	Accuracy
212 S20 E61 22BCDD1	361141115085001	1000.	2019.	11/05/2003	16.78		S	USGS	2
				02/02/2004	13.33		S	USGS	2
				05/18/2004	16.52		S	USGS	2
				08/04/2004	16.13		S	USGS	2
212 S20 E61 29CBB 2	361047115111601	967.	2143.14	10/01/2003		D		NV003	
				10/06/2003		D		NV003	
				10/13/2003		D		NV003	
				10/20/2003	110.59		S	NV003	2
				10/27/2003	102.44		S	NV003	2
				11/03/2003	97.08		S	NV003	2
				11/05/2003	100.01		V	USGS	2
				11/12/2003	94.25		S	NV003	2
				11/17/2003	92.93		S	NV003	2
				11/26/2003	92.94		S	NV003	2
				12/02/2003	89.47		S	NV003	2
				12/08/2003	87.48		S	NV003	2
				12/15/2003	86.21		S	NV003	2
				12/29/2003	80.68		S	NV003	2
				01/06/2004	80.07		S	NV003	2
				01/12/2004	78.74		S	NV003	2
				01/20/2004	77.09		S	NV003	2
				01/26/2004	79.50		S	NV003	2
				02/02/2004	91.73		V	USGS	2
				02/03/2004	78.64		S	NV003	2
				02/09/2004	79.60		S	NV003	2
				02/17/2004	77.85		S	NV003	2
				02/23/2004	76.62		S	NV003	2
				03/01/2004	76.64		S	NV003	2
				03/08/2004	76.39		T	NV003	1
				03/15/2004	77.88		T	NV003	1
				03/22/2004	75.44		T	NV003	1
				03/30/2004	75.41		T	NV003	1
				04/05/2004	73.84		T	NV003	1
				04/12/2004	77.21		T	NV003	1
				04/20/2004	74.13		T	NV003	1
				04/28/2004	72.64		T	NV003	1
				05/04/2004	73.91		T	NV003	1
				05/10/2004	74.00		T	NV003	1
				05/17/2004	73.06		T	NV003	1
				05/18/2004	93.31		S	USGS	2
				05/24/2004	72.67		T	NV003	1
				06/01/2004	72.86		T	NV003	1
				06/14/2004	84.56		T	NV003	1
				06/22/2004	87.09		T	NV003	1
				06/28/2004	90.77		T	NV003	1
				07/06/2004	93.26		T	NV003	1
				07/12/2004	95.79		T	NV003	1
				07/19/2004	95.80		T	NV003	1
				07/26/2004	100.87		T	NV003	1
				08/02/2004	101.70		T	NV003	1
				08/04/2004	94.61		V	USGS	2
				08/10/2004		D		NV003	
				08/17/2004	103.44		T	NV003	1
				08/23/2004	105.35		T	NV003	1
				08/31/2004		D		NV003	
				09/07/2004		D		NV003	
				09/13/2004		D		NV003	
				09/21/2004		D		NV003	
				09/27/2004		D		NV003	

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Reporting Agency	Accuracy
212 S20 E61 30BDC 1	361053115120501	33.	2190.	11/05/2003	10.48		S	USGS	2
				02/02/2004	11.23		S	USGS	2
				05/18/2004	10.65		S	USGS	2
				08/04/2004	10.56		S	USGS	2
212 S20 E61 31DCD 1	360937115113401	18.	2155.	11/05/2003	10.03		S	USGS	2
				02/02/2004	11.18		S	USGS	2
				05/18/2004	10.11		S	USGS	2
				08/04/2004	11.35		S	USGS	2
212 S20 E61 32CDC 1	360941115104801	665.	2095.5	11/05/2003	34.47		S	USGS	2
				02/05/2004	22.02		V	USGS	2
				05/18/2004	22.44		S	USGS	2
				08/04/2004	26.38		S	USGS	2
212 S20 E61 34CAA 1	360837115095501	22.	2010.	11/05/2003	8.64		S	USGS	2
				02/02/2004	8.88		S	USGS	2
				05/18/2004	8.77		S	USGS	2
				08/04/2004	7.90		S	USGS	2
212 S20 E62 05CAAA1	361400115040901	1000.	1869.	10/01/2003	93.95		S	USGS	2
				11/06/2003	91.59		S	USGS	2
				12/22/2003	84.08		S	USGS	2
				03/23/2004	77.97		S	USGS	2
				05/04/2004	78.54		S	USGS	2
				06/21/2004	80.66		S	USGS	2
				08/12/2004	82.17		S	USGS	2
212 S20 E62 09CCC 1	361258115032101	650.	1827.	11/06/2003	122.44		V	USGS	1
				02/05/2004	60.94		V	USGS	1
				05/21/2004	64.29		V	USGS	1
				08/05/2004	175.42	R	V	USGS	1
212 S20 E62 15BBAB1	361233115021501	1000.	1816.	11/06/2003	128.74	R	V	USGS	1
				02/05/2004	109.76	R	V	USGS	1
				05/21/2004	164.61	R	V	USGS	1
				08/05/2004	140.12	R	V	USGS	1
212 S20 E62 16ACC 1	361241115024801	694.	1811.	11/06/2003	88.49		V	USGS	1
				02/05/2004	65.20		V	USGS	1
				05/21/2004	196.13	P	V	USGS	1
				08/05/2004	194.14	R	V	USGS	1
212 S20 E62 19DC 1	361123115050601	300.	1797.	10/01/2003	16.58		T	NV003	1
				10/06/2003	16.58		T	NV003	1
				10/13/2003	16.58		T	NV003	1
				10/20/2003	16.55		T	NV003	1
				10/27/2003	16.54		T	NV003	1
				11/03/2003	16.52		T	NV003	1
				11/05/2003	16.09		S	USGS	2
				11/12/2003	16.45		T	NV003	1
				11/17/2003	16.41		T	NV003	1
				11/26/2003	16.39		T	NV003	1
				12/02/2003	16.37		T	NV003	1
				12/08/2003	16.30		T	NV003	1
				12/15/2003	16.35		S	NV003	2
				12/29/2003	16.24		T	NV003	1
				01/06/2004	16.21		T	NV003	1
				01/12/2004	16.23		T	NV003	1
				01/20/2004	16.19		T	USGS	1
				01/26/2004	16.18		T	NV003	1
				02/03/2004	16.12		T	NV003	1
				02/05/2004	16.17		S	USGS	2
				02/09/2004	16.17		T	NV003	1
				02/17/2004	16.27		S	NV003	2
				02/23/2004	16.27		S	NV003	2
				03/01/2004	16.09		T	NV003	1
				03/08/2004	16.10		T	NV003	1
				03/15/2004	16.08		T	NV003	1
				03/22/2004	16.06		T	NV003	1

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Reporting Agency	Accuracy
212 S20 E62 19DC 1	361123115050601	300.	1797.	03/30/2004	16.13		T	NV003	1
				04/05/2004	16.09		T	NV003	1
				04/12/2004	16.11		T	NV003	1
				04/20/2004	16.18		T	NV003	1
				04/28/2004	16.13		T	NV003	1
				05/04/2004	16.25		T	NV003	1
				05/10/2004	16.30		T	NV003	1
				05/17/2004	16.33		T	NV003	1
				05/18/2004	16.13		S	USGS	2
				05/24/2004	16.35		T	NV003	1
				06/01/2004	16.28		T	NV003	1
				06/14/2004	16.51		T	NV003	1
				06/22/2004	16.66		T	NV003	1
				06/28/2004	16.77		T	NV003	1
				07/06/2004	16.87		T	NV003	1
				07/12/2004	16.87		T	NV003	1
				07/19/2004	16.87		T	NV003	1
				07/26/2004	16.88		T	NV003	1
				08/02/2004	16.92		T	NV003	1
				08/04/2004	16.94		S	USGS	2
				08/10/2004	17.45		S	NV003	2
				08/17/2004	16.97		T	NV003	1
				08/23/2004	16.95		T	NV003	1
				08/31/2004	17.03		T	NV003	1
				09/07/2004	17.10		T	NV003	1
				09/13/2004	17.13		T	NV003	1
				09/21/2004	17.14		T	NV003	1
				09/27/2004	17.14		T	NV003	1
212 S20 E62 26BBCC1	361100115011901	320.	1900.	11/04/2003	116.86	R	V	USGS	2
				05/18/2004	116.88		V	USGS	2
				08/03/2004	114.60		V	USGS	2
212 S20 E62 29DBCD1	361040115040601	37.	1770.	11/04/2003	22.00		S	USGS	2
				02/03/2004	21.65		V	USGS	2
				05/20/2004	18.23		V	USGS	2
				08/02/2004	19.70		S	USGS	2
212 S20 E62 34CABB1	360952115020701	100.	1740.	11/04/2003	20.60		S	USGS	2
				02/03/2004	20.01		S	USGS	2
				05/18/2004	20.79		S	USGS	2
				08/03/2004	20.50		S	USGS	2
212 S21 E60 01DBB 1	360847115125301	190.	2261.	11/03/2003	87.51		S	USGS	2
				02/02/2004	87.50		S	USGS	2
				05/17/2004	88.28		S	USGS	2
				08/03/2004	87.60		S	USGS	2
212 S21 E60 16BDDB1	360712115155501	750.	2545.	11/03/2003	427.43		V	USGS	1
				02/02/2004	425.72		V	USGS	1
				05/17/2004	423.79		V	USGS	1
				08/03/2004	422.65		V	USGS	1
212 S21 E60 35ADAB1	360444115132301	500.	2359.	02/04/2004	276.89		V	USGS	2
				08/05/2004	277.32		V	USGS	2
212 S21 E61 01DDBA1	360852115060901	25.	1825.	11/05/2003	8.03		S	USGS	2
				02/02/2004	7.60		S	USGS	2
				05/18/2004	7.31		S	USGS	2
				08/02/2004	7.83		S	USGS	2
212 S21 E61 03AAAD1	360924115081101	14.	1990.	09/13/2004	6.52		S	USGS	2
212 S21 E61 03AAAD2	360924115081102	40.	1990.	09/13/2004	6.88		S	USGS	2
212 S21 E61 03ABAB1	360930115083401	25.	2008.	11/05/2003	11.31		S	USGS	2
				02/02/2004	10.86		S	USGS	2
				05/18/2004	10.91		S	USGS	2
				08/04/2004	11.53		S	USGS	2
212 S21 E61 03ABB 2	360931115083802	807.	2014.	11/05/2003	29.26		S	USGS	2
				02/02/2004	17.39		S	USGS	2
				05/18/2004	16.98		S	USGS	2
				09/13/2004	35.67		S	USGS	2

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Reporting Agency	Accuracy
212 S21 E61 14ACA 1	360728115072901	750.	1930.	11/05/2003	35.50		V	USGS	2
				02/04/2004	1.45		V	USGS	2
212 S21 E61 19BDCC1	360630115120401	37.	2210.	11/03/2003	18.84		S	USGS	2
				02/02/2004	18.88		S	USGS	2
				05/17/2004	18.90		S	USGS	2
				08/02/2004	18.91		S	USGS	2
212 S21 E61 22BAAC1	360648115084901	15.	2030.	11/05/2003	10.34		S	USGS	2
				02/03/2004	10.03		S	USGS	2
				05/18/2004	10.15		S	USGS	2
				08/02/2004	9.67		S	USGS	2
212 S21 E61 24CAD 1	360617115063801	24.	1950.	11/04/2003	16.80		S	USGS	2
				02/03/2004	16.80		S	USGS	2
				05/18/2004	17.20		S	USGS	2
				08/02/2004	17.38		S	USGS	2
212 S21 E61 24CAD 2	360617115063802	30.	1958.	11/04/2003	16.88		S	USGS	2
				02/03/2004	17.08		S	USGS	2
				05/18/2004	17.43		S	USGS	2
				08/02/2004	17.62		S	USGS	2
212 S21 E61 26DDBB1	360522115072101	30.	2010.	11/05/2003	18.85		S	USGS	2
				02/03/2004	19.52		S	USGS	2
				05/18/2004	18.97		S	USGS	2
				08/02/2004	19.46		S	USGS	2
212 S21 E61 28CABB1	360528115094201	93.	2125.	10/01/2003	16.34		T	NV003	1
				10/06/2003	16.20		T	NV003	1
				10/13/2003	16.34		T	NV003	1
				10/20/2003	16.06		T	NV003	1
				10/27/2003	16.37		T	NV003	1
				11/03/2003	16.44		T	NV003	1
				11/05/2003	16.28		S	USGS	2
				11/12/2003	16.48		T	NV003	1
				11/17/2003	16.52		T	NV003	1
				11/26/2003	16.57		T	NV003	1
				12/02/2003	16.63		T	NV003	1
				12/08/2003	16.58		T	NV003	1
				12/15/2003	16.69		S	NV003	2
				12/29/2003	16.58		T	NV003	1
				01/06/2004	16.65		T	NV003	1
				01/12/2004	16.86		T	NV003	1
				01/20/2004	16.83		T	NV003	1
				01/26/2004	16.94		T	NV003	1
				02/03/2004	17.13		S	USGS	2
				02/03/2004	17.26		T	NV003	1
				02/09/2004	17.53		T	NV003	1
				02/17/2004	17.83		T	NV003	1
				02/23/2004	17.84		S	NV003	2
				03/01/2004	17.02		T	NV003	1
				03/08/2004	16.94		T	NV003	1
				03/15/2004	16.84		T	NV003	1
				03/22/2004	16.74		T	NV003	1
				03/30/2004	16.85		T	NV003	1
				04/05/2004	16.50		T	NV003	1
				04/12/2004	16.52		T	NV003	1
				04/20/2004	16.83		T	NV003	1
				04/28/2004	16.66		T	NV003	1
				05/04/2004	16.70		T	NV003	1
				05/10/2004	16.71		T	NV003	1
				05/17/2004	16.61		T	NV003	1
				05/18/2004	16.45		S	USGS	2
				05/24/2004	16.61		T	NV003	1
				06/01/2004	16.67		T	USGS	1
				06/14/2004	16.75		T	NV003	1
				06/22/2004	16.76		T	NV003	1

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Reporting Agency	Accuracy
212 S21 E61 28CABB1	360528115094201	93.	2125.	06/28/2004	16.75		T	NV003	1
				07/06/2004	16.61		T	NV003	1
				07/12/2004	16.82		T	NV003	1
				07/19/2004	16.88		T	NV003	1
				07/26/2004	16.85		T	NV003	1
				08/02/2004	16.39		T	NV003	1
				08/02/2004	16.46		S	USGS	2
				08/10/2004	16.58		T	NV003	1
				08/17/2004	16.25		T	NV003	1
				08/23/2004	16.18		T	NV003	1
				08/31/2004	16.65		T	NV003	1
				09/07/2004	16.65		T	NV003	1
				09/13/2004	16.70		T	NV003	1
				09/21/2004	16.73		T	NV003	1
				09/27/2004	16.81		T	NV003	1
212 S21 E62 09ADAD1	360821115025001	49.	1708.	11/04/2003	17.38		S	USGS	2
				02/03/2004	17.41		S	USGS	2
				05/18/2004	17.17		S	USGS	2
				08/02/2004	17.71		S	USGS	2
212 S21 E62 10ACAA1	360826115020001	715.	1705.	11/04/2003	21.20		S	USGS	2
				02/03/2004	22.01		S	USGS	2
				05/18/2004	22.21		S	USGS	2
				08/02/2004	22.17		S	USGS	2
212 S21 E62 17DAB 1	360744115050801	11.	1730.	11/04/2003		D		USGS	
				02/03/2004	9.82		V	USGS	2
				05/18/2004	9.71		V	USGS	2
				08/02/2004	10.47		V	USGS	2
212 S21 E62 20DDD 1	360601115034401	500.	1720.	11/04/2003	-62.0		G	USGS	0
				02/05/2004	-64.0		G	USGS	0
				05/18/2004	-61.0		G	USGS	0
				08/02/2004	-64.0		G	USGS	0
212 S21 E63 30AAAA1	360832115060201	80.	1590.	02/03/2004	23.13		S	USGS	2
				05/18/2004	23.28		S	USGS	2
				08/02/2004	23.28		S	USGS	2
212 S22 E60 20CACA1	360047115171401	710.	2810.	11/03/2003	473.45		V	USGS	1
				02/02/2004	472.94		V	USGS	1
				05/18/2004	472.75		V	USGS	1
212 S22 E61 03ADBC2	360401115082301	60.	2086.	11/05/2003	29.78		S	USGS	2
				02/03/2004	29.57		S	USGS	2
				05/18/2004	30.11		S	USGS	2
				08/02/2004	30.28		S	USGS	2
212 S22 E61 04BCB 1	360349115100001	355.	2219.	10/01/2003	151.02		S	USGS	2
				10/01/2003	151.04		T	NV003	1
				10/06/2003	151.02		T	NV003	1
				10/13/2003	151.04		T	NV003	1
				10/20/2003	150.98		T	NV003	1
				10/27/2003	150.88		T	NV003	1
				11/03/2003	150.60		T	NV003	1
				11/06/2003	150.76		S	USGS	2
				11/12/2003	150.49		T	NV003	1
				11/17/2003	150.36		T	NV003	1
				11/26/2003	150.24		T	NV003	1
				12/02/2003	150.38		T	NV003	1
				12/08/2003	150.06		T	NV003	1
				12/15/2003	150.36		S	USGS	2
				12/15/2003	149.65		S	NV003	2
				12/29/2003	149.82		T	NV003	1
				01/06/2004	149.78		T	NV003	1
				01/12/2004	149.69		T	NV003	1
				01/20/2004	149.46		T	NV003	1
				01/26/2004	149.50		T	NV003	1
				02/03/2004	149.09		T	NV003	1

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Reporting Agency	Accuracy
212 S22 E61 04BCB 1	360349115100001	355.	2219.	02/04/2004	149.19		S	USGS	2
				02/09/2004	149.37		T	NV003	1
				02/17/2004	149.32		T	NV003	1
				02/23/2004	148.49		S	NV003	2
				03/01/2004	148.68		T	NV003	1
				03/08/2004	148.86		T	NV003	1
				03/15/2004	148.62		T	NV003	1
				03/22/2004	148.79		T	NV003	1
				03/23/2004	148.46		S	USGS	2
				03/30/2004	148.64		T	NV003	1
				04/05/2004	148.55		T	NV003	1
				04/12/2004	148.61		T	NV003	1
				04/20/2004	148.64		T	NV003	1
				04/28/2004	148.35		T	NV003	1
				05/04/2004	148.62		S	USGS	2
				05/04/2004	148.56		T	NV003	1
				05/10/2004	148.34		T	NV003	1
				05/17/2004	148.53		T	NV003	1
				05/24/2004	148.59		T	NV003	1
				06/01/2004	148.67		T	NV003	1
				06/14/2004	148.87		T	NV003	1
				06/21/2004	148.99		S	USGS	2
				06/22/2004	148.96		T	NV003	1
				06/28/2004	148.98		T	NV003	1
				07/06/2004	149.06		T	NV003	1
				07/12/2004	149.02		T	NV003	1
				07/19/2004	149.09		T	NV003	1
				07/26/2004	149.10		T	NV003	1
				08/02/2004	149.12		T	NV003	1
				08/10/2004	149.23		T	NV003	1
				08/12/2004	149.16		S	USGS	2
				08/17/2004	149.19		T	NV003	1
				08/23/2004	148.95		T	NV003	1
				08/31/2004	149.09		T	NV003	1
				09/07/2004	148.99		T	NV003	1
				09/13/2004	148.80		T	USGS	1
				09/21/2004	149.04		T	NV003	1
				09/27/2004	148.77		T	NV003	1
212 S22 E61 12AAAD1	360321115060001	500.	2020.	11/04/2003	14.13		S	USGS	2
				02/03/2004	7.69		S	USGS	2
				05/18/2004	16.34		S	USGS	2
				08/02/2004	23.77		S	USGS	2
212 S22 E61 16AABB1	360231115092401	145.	2195.	11/05/2003	111.89		V	USGS	2
				05/18/2004	109.29		V	USGS	2
				08/02/2004	109.79		S	USGS	2
212 S22 E61 20BAD 1	360112115104301	210.	2287.	11/03/2003	200.94		V	USGS	2
				02/05/2004	200.41		V	USGS	2
				05/18/2004	201.02		V	USGS	2
				08/02/2004	201.55		S	USGS	2
212 S22 E61 29DCDB1	360002115103801	300.	2275.	11/05/2003	136.90		S	USGS	2
				02/03/2004	135.98		S	USGS	2
				05/18/2004	136.09		S	USGS	2
				08/05/2004	136.47		S	USGS	2
212 S22 E62 15BBCB1	360222115024301	84.	1894.	11/04/2003	63.54		S	USGS	2
				02/05/2004	62.88		S	USGS	2
				05/18/2004	62.00		S	USGS	2
				08/05/2004	62.48		S	USGS	2
212 S23 E61 03BCC 1	361136115101401	650.	2375.	11/05/2003	223.59		S	USGS	2
				02/06/2004	223.28		V	USGS	2
				05/19/2004	223.39		V	USGS	2
				08/03/2004	223.86		S	USGS	2

GROUND-WATER LEVELS

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT

Periodic water-level measurements are made in areas adjacent to the Nevada Test Site to aid in characterizing the local and regional ground-water flow systems. The measurements are made in cooperation with the U.S. Department of Energy as part of their Environmental Restoration Program. The following data have been collected and reviewed according to quality-assurance requirements specific to the Nevada Test Site. Data are listed by Nevada hydrographic area and then by descending latitude/longitude.

Site Identification--U.S. Geological Survey site designation.
Land Surface Elevation--Datum is sea level. Value may not represent current elevation.
Well Depth--Datum is land surface. Represents most recent available accessible depth.
Depth of Open Interval (feet below land surface datum)--Top, depth to top of shallowest open interval; bottom, depth to bottom of deepest open interval.
Depth to Water--Datum is land surface. Water-levels represent a composite of all open intervals in well. Water-levels above land surface-datum are listed as negative values. Values not representing static water level are noted in "Status" column.
Status--P, site was being pumped; S, a nearby site that taps the same aquifer was being pumped; no site status, the reported water-level measurement represents a static level.
Method--A, airline; S, steel tape; T, electric tape; V, calibrated electric tape; Z, other.
Accuracy--0, water level accurate to the nearest foot; 1, water level accurate to the nearest tenth of a foot; 2, water level accurate to the nearest hundreth of a foot.

Well Name	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval(s) Top (feet)	Depth of Open Interval(s) Bottom (feet)	Number of Openings	Water-Level Measurement Date	Depth to Water (feet)	Status	Method	Accuracy
RALSTON VALLEY (141)														
Ralston Valley Well	375533116580601	37°55'33"	116°58'06"		5219.					12/09/2003	232.20		V	2
										06/16/2004	232.04		V	2
LIDA VALLEY (144)														
Ralston Well	373320117090601	37°33'20"	117°09'05"		4756.	409				12/11/2003	308.01		V	1
										06/17/2004	308.13		V	1
STONE WALL FLAT (145)														
Hammel Mine Well	373228116472001	37°32'28"	116°47'20"		5540.	123.				06/15/2004	118.58		V	2
SARCOBATUS FLAT (146)														
BLM Springdale	370648116473001	37°06'49"	116°47'32"		4035.	117.				12/11/2003	93.56		S	2
										03/16/2004	93.54		S	2
										05/19/2004	93.54		S	2
										09/29/2004	93.53		S	2
NDOT TPJ-2	370753116502701	37°07'53"	116°50'27"		4005.					12/11/2003	57.56		V	2
										05/19/2004	57.56		V	2
										09/29/2004	57.56		V	2
USBLM TPJ-1	370840116510101	37°08'42"	116°51'01"	--/--/52	3991.	107.				12/11/2003	42.84		V	2
										05/19/2004	42.87		V	2
										09/29/2004	42.87		V	2
BC- 1	371309117074901	37°13'09"	117°07'49"	04/04/02	4001.	410.	338.5	410.	1	12/11/2003	48.59		V	2
										03/17/2004	48.60		V	2
										05/19/2004	48.61		V	2
										09/29/2004	48.61		V	2
BC- 2	371309117074902	37°13'03"	117°07'45"	02/27/03	3999.9	103.	63.	103.	1	12/11/2003	47.51		V	2
										03/17/2004	47.48		V	2
										05/19/2004	47.46		V	2
										09/29/2004	47.44		V	2
SF- 1	371615117053601	37°16'15"	117°05'36"	04/19/02	4021.6	879.	839.	879.	1	12/11/2003	54.47		V	2
										03/17/2004	54.50		V	2
										05/19/2004	54.52		V	2
										09/29/2004	54.47		V	2
SF- 2	371615117053602	37°16'15"	117°05'35"	04/22/02	4021.4	496.	456.	496.	1	12/11/2003	54.33		V	2
										03/17/2004	54.35		V	2
										05/19/2004	54.34		V	2
										09/29/2004	54.32		V	2
GOLD FLAT (147)														
Gold Flat 2a	372543116363502	37°25'43"	116°36'35"		5230.					06/15/2004	233.55		S	2
TTR Sulfide Mine	373446116433301	37°34'46"	116°43'33"		6130.					12/09/2003	51.92		V	2
										06/15/2004	51.84		V	2

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT--Continued

Well Name	Site Identification	Latitude	Longitude	Date Hole Com-pleted	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval(s) Top (feet)	Depth of Open Interval(s) Bottom (feet)	Number of Open-ings	Water-Level Measurement Date	Depth to Water (feet)	Status	Method	Accuracy
CACTUS FLAT (148)														
TTR Antelope Mine 1	373622116434601	37°36'20"	116°43'45"		6350.					12/09/2003	19.01		V	2
										06/15/2004	18.87		V	2
TTR Antelope Mine 2	373622116434701	37°36'22"	116°43'46"		6356.					12/09/2003	23.26		V	2
										06/15/2004	23.10		V	2
TTR Antelope Mine 3	373623116434701	37°36'22"	116°43'47"		6362.					12/09/2003	30.53		V	2
										06/15/2004	30.35		V	2
TTR EH-4	374619116435401	37°46'16"	116°43'59"	11/03/83	5458.	490.	150.	490.	1	12/09/2003	315.62		V	1
										06/15/2004	315.50		V	1
TTR EH-2 WW	374658116464102	37°46'58"	116°46'41"		5595.	580.				12/09/2003	467.20		A	0
TTR Sandia 2	374725116452701	37°47'25"	116°45'27"	09//1956	5477.6	525.	325.	485.	1	12/09/2003	347.21		V	1
										06/16/2004	347.15		V	1
TTR Sandia 4	374739116453401	37°47'39"	116°45'34"	07/02/59	5468.2	580.	351.	466.	1	12/09/2003	337.10		V	1
										06/15/2004	337.51		V	1
TTR Sandia 5	374959116431301	37°49'59"	116°43'13"		5333.9	300.				12/09/2003	156.93		V	2
										06/16/2004	156.99		V	2
STONE CABIN VALLEY (149)														
TTR 3A WW	375045116460201	37°50'46"	116°46'03"	03/04/80	5362.	805.	537.	805.	1	12/10/2003	198.59		V	2
										06/16/2004	198.70		V	2
TTR 3B WW	375054116460201	37°50'54"	116°46'02"	01/11/85	5360.	300.	145.	284.	1	12/10/2003	117.50		A	0
										06/16/2004	118.50		A	0
TTR 3BB	375055116460201	37°50'55"	116°46'02"		5358.					12/10/2003	110.14		V	2
										06/16/2004	111.77		V	2
TTR EH-6	375139116460001	37°51'40"	116°45'59"	11/17/83	5355.	535.	0.	310.	1	12/10/2003	98.33		V	2
										06/16/2004	98.58		V	2
TTR EH-7 WW	375310116472302	37°53'11"	116°47'25"	09/01/89	5343.	660.	304.	650.	1	12/10/2003	109.10		A	0
										06/16/2004	109.10		A	0
TTR Reeds Ranch Well	375453116450501	37°54'54"	116°45'06"		5384.	127.				12/10/2003	101.70		V	2
										06/16/2004	101.76		V	2
HOT CREEK VALLEY (156)														
Blue Jay Maintenance Station	382205116132500	38°22'15"	116°13'34"		5238	238				12/10/2003	40.77		S	2
										06/16/2004	40.85		S	2
HTH- 1	383734116124501	38°37'35"	116°12'45"	07/23/67	6010.8	3695.	150.	3665.	16	12/10/2003	536.11		V	1
										06/16/2004	536.39		V	1
UC- 1-P-2SR	383806116125951	38°38'06"	116°12'54"	04/06/68	6084.	2734.	1148.	2790.	2	12/10/2003	551.50		V	1
										06/16/2004	546.18		V	1
INDIAN SPRINGS VALLEY (161)														
Army 3	363238115464601	36°32'38"	115°46'46"	11/20/58	3617.	826.	310.	826	2	11/24/2003	285.02		V	2
										05/18/2004	285.14		V	2
Army 2	363255115515801	36°32'55"	115°51'58"	09/03/58	3799.	627.	92.	658.	1	11/24/2003	496.23		V	1
										05/18/2004	496.15		V	1
Cactus Springs 3	363422115433701	36°34'22"	115°43'37"		3265.	100.	83.	100.	1	11/24/2003	33.66		V	2
										05/18/2004	33.70		V	2
USAF Well 106-2	363447115404601	36°34'47"	115°40'50"	06/16/83	3085.	604.	133.	418.	1	12/18/2003	74.75	P	V	2
										06/24/2004	64.62	S	V	2
USAF Well 3	363452115405101	36°34'49"	115°40'53"	01/11/85	3130.	600.	210.	600.	4	12/18/2003	65.59		V	2
										06/24/2004	151.46	P	V	2
USAF MW-22	363508115391701	36°35'08"	115°39'17"	04/06/88	3100.4	65.	35.	65.	1	12/18/2003	39.72		V	2
										06/24/2004	39.42		V	2
USAF MW-21	363529115391301	36°35'29"	115°39'13"	04/07/88	3094.5	75.	45.	75.	1	12/18/2003	42.45		V	2
										06/24/2004	42.59		V	2
USAF MW-20	363529115392101	36°35'29"	115°39'21"	04/07/88	3092.8	65.	35.	65.	1	12/18/2003	40.70		V	2
										06/24/2004	40.66		V	2
PAHRUMP VALLEY (162)														
BLM Stewart Valley Well	361515116100901	36°15'15"	116°10'09"	10/27/97	2469.	69.				10/31/2003	37.07		T	2
										11/25/2003	35.76		T	2
										12/02/2003	34.48		V	2
										02/11/2004	33.48		T	2
										04/16/2004	32.62		T	2
										06/17/2004	34.93		T	2
										09/30/2004	37.89		T	2

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT--Continued

Well Name	Site Identification	Latitude	Longitude	Date Hole Com-pleted	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval(s) Top (feet)	Depth of Open Interval(s) Bottom (feet)	Number of Open-ings	Water-Level Measurement Date	Depth to Water (feet)	Status	Method	Accuracy
TIKAPOO VALLEY--SOUTHERN PART (169B)														
USGS DDL-2	365502115134101	36°55'02"	115°13'41"	01/21/89	3288.2.	460.	13.	460.	1	11/25/2003	212.41		V	2
										05/17/2004	212.39		V	2
THREE LAKES VALLEY--SOUTHERN PART (211)														
USAF Well 2278-1	363205115335601	36°32'06"	115°33'57"	01/01/73	3200.	353.	240.	353.	3	10/02/2003	115.97		V	2
										12/18/2003	116.17		V	2
										06/24/2004	116.40		V	2
LAS VEGAS VALLEY (212)														
USAF Well 2372-1	362830115270501	36°28'30"	115°26'57"		3180.	300.				12/18/2003	211.68		V	2
										02/06/2004	212.63		V	2
										05/17/2004	212.75		V	2
										06/24/2004	211.74		V	2
										08/03/2004	212.56		V	2
USFWS SBH-1	363212115240301	36°32'12"	115°24'03"	02/24/87	3475.	720.	665.	695.	1	11/25/2003	578.05		V	1
										03/17/2004	577.90		V	1
										05/17/2004	577.94		V	1
										09/22/2004	577.88		V	1
USFWS DR-1	363332115244001	36°33'28"	115°24'38"	01/05/89	3579.	930.	870.	930.	1	11/25/2003	815.08		V	1
										05/17/2004	815.14		V	1
USGS - Cow Camp	363407115215301	36°34'07"	115°21'53"		4175.	1403.				11/25/2003	1332.93		V	1
										03/18/2004	1332.92		V	1
										05/17/2004	1333.43		V	1
										09/22/2004	1333.07		V	1
MERCURY VALLEY (225)														
Army 6A	363437116010801	36°34'37"	116°01'08"	--/--/55	3445.	1253.	1157.	1228.	1	11/24/2003	1033.63		V	1
										05/18/2004	1032.59		V	1
										08/05/2004	1032.66		V	1
OASIS VALLEY (228)														
Beatty Wash Terrace Well	365640116431501	36°56'40"	116°43'15"	10/13/84	3460.	39.	55.	75.	1	12/15/2003	20.65		V	2
										03/16/2004	19.14		V	2
										05/19/2004	19.29		V	2
										09/22/2004	21.02		V	2
ER-OV-04a	365705116424201	36°57'05"	116°42'42"	10/01/97	3491.4	151.	111.	131.	1	12/15/2003	24.10		V	2
										03/15/2004	23.59		V	2
										05/19/2004	23.82		V	2
										09/21/2004	24.41		V	2
ER-EC-7	365910116284401	36°59'06"	116°28'40"	08/06/99	4805.	1304.	890.	1386.	4	12/16/2003	747.58		V	1
										03/15/2004	747.44		V	1
										05/20/2004	747.39		V	1
										09/21/2004	747.49		V	1
ER-OV-03c	365948116360401	36°59'48"	116°36'04"	09/18/97	4191.5	542.	512.	532.	1	12/16/2003	214.36		V	2
										03/15/2004	214.28		V	2
										05/20/2004	214.16		V	2
										09/21/2004	214.37		V	2
ER-OV-03c2	365948116360402	36°59'48"	116°36'04"	09/26/97	4191.9	321.	292.	312.	1	12/16/2003	214.69		V	2
										03/15/2004	214.59		V	2
										05/20/2004	214.48		V	2
										09/21/2004	214.68		V	2
ER-OV-03a	365956116421601	36°59'56"	116°42'16"	08/22/97	3844.4	251.	220.	240.	1	12/15/2003	57.62		V	2
										03/15/2004	57.50		V	2
										05/20/2004	57.47		V	2
										09/21/2004	57.71		V	2
ER-OV-03a2	365956116421602	36°59'56"	116°42'16"	09/12/97	3843.8	642.	602.	622.	1	12/15/2003	160.45		V	2
										03/15/2004	160.03		V	2
										05/20/2004	160.55		V	2
										09/21/2004	160.62		V	2
ER-OV-03a3	365956116421603	36°59'56"	116°42'16"	09/12/97	3843.8	133.	113.	133.	1	12/15/2003	57.41		V	2
										03/15/2004	57.27		V	2
										05/20/2004	57.25		V	2
										09/21/2004	57.50		V	2

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT--Continued

Well Name	Site Identification	Latitude	Longitude	Date Hole Com-pleted	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval(s) Top (feet)	Depth of Open Interval(s) Bottom (feet)	Number of Open-ings	Water-Level Measurement Date	Depth to Water (feet)	Status	Method	Accuracy
OASIS VALLEY (228)--Continued														
Springdale Upper Well	370131116440801	37°01'31"	116°44'08"		3775.	91.				12/15/2003	24.51		V	2
										03/16/2004	23.94		V	2
										05/19/2004	23.97		V	2
										09/29/2004	24.64		V	2
ER-OV-03b	370139116390501	37°01'39"	116°39'05"	08/29/97	4232.7	395.	353.	373.	1	12/15/2003	346.46		V	1
										03/15/2004	346.45		V	1
										05/20/2004	346.17		V	1
										09/21/2004	346.33		V	1
ER-OV-02	370210116421501	37°02'10"	116°42'15"	08/20/97	3880.3	200.	170.	190.	1	12/15/2003	28.53		V	2
										03/15/2004	28.29		V	2
										05/20/2004	28.28		V	2
										09/21/2004	28.53		V	2
ER-OV-05	370246116461901	37°02'46"	116°46'19"	08/02/97	3937.8	200.	170.	190.	1	12/15/2003	32.07		V	2
										03/16/2004	32.00		V	2
										05/19/2004	31.97		V	2
										09/21/2004	32.08		V	2
ER-OV-01	370504116404901	37°05'04"	116°40'49"	08/04/97	4072.8	180.	150.	170.	1	12/15/2003	18.16		V	2
										03/15/2004	18.10		V	2
										05/25/2004	18.05		V	2
ER-OV-06a	370504116404902	37°05'04"	116°40'49"	08/09/97	4073.0	536.	506.	526.	1	12/15/2003	15.19		V	2
										03/15/2004	15.09		V	2
										05/25/2004	15.01		V	2
ER-OV-06a2	370504116404903	37°05'04"	116°40'49"	08/11/97	4072.6	65.	56.	65.	1	12/15/2003	18.69		V	2
										03/15/2004	18.63		V	2
										05/25/2004	18.59		V	2
ER-EC-5	370504116335201	37°05'04"	116°33'52"	07/11/99	5077.	2447.	1169.	2500.	6	12/16/2003	1016.77		V	1
										03/15/2004	1016.61		V	1
										05/20/2004	1016.57		V	1
										09/21/2004	1016.63		V	1
ER-EC-8	370610116375301	37°06'10"	116°37'53"	07/26/99	4333.	1948.	632.	2000.	6	12/16/2003	322.60		V	1
										03/15/2004	322.50		V	1
										05/25/2004	322.37		V	1
ER-EC-2A	370852116340502	37°08'42"	116°34'03"	08/11/00	4902.	2450.	1635.	2236.	2	12/16/2003	754.66		V	1
(1635-2236 ft)										03/16/2004	754.59		V	1
										05/25/2004	754.47		V	1
ER-EC-4	370935116375302	37°09'32"	116°37'52"	08/25/00	4759.6	2365.	952.	2295.	4	12/16/2003	749.13		V	1
(952-2295 ft)										03/17/2004	748.79		V	1
										05/25/2004	748.65		V	1
ER-EC-6	371120116294802	37°11'20"	116°29'48"	03/22/00	5604.	4302.	1581.	3820.	6	11/04/2003	1425.77		V	1
(1581-3820 ft)										03/24/2004	1425.65		V	1
										05/19/2004	1425.68		V	1
										06/07/2004	1425.58		V	1
										09/07/2004	1425.75		V	1
ER-EC-1	371223116314701	37°12'23"	116°31'47"	04/20/99	6026.	4791.	2258.	4791.	6	11/04/2003	1855.66		V	1
										03/24/2004	1855.57		V	1
										05/19/2004	1855.65		V	1
										06/07/2004	1855.48		V	1
										09/07/2004	1855.82		V	1
PM- 3-1	371421116333703	37°14'21"	116°33'37"	02/05/92	5822.8	2145.	1872.	2192.	2	11/04/2003	1457.39		V	1
(1919 - 2144 ft										03/29/2004	1457.57		V	1
										04/06/2004	1457.36		V	1
										06/07/2004	1457.30		V	1
										09/07/2004	1457.46		V	1
PM- 3-2	371421116333704	37°14'21"	116°33'37"	02/10/92	5822.8	1667.	1379.	1687.	3	11/04/2003	1455.45		V	1
(1442 - 1667 ft										03/24/2004	1455.46		V	1
										04/06/2004	1455.40		V	1
										06/07/2004	1455.33		V	1
										09/07/2004	1455.53		V	1

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT--Continued

Well Name	Site Identification	Latitude	Longitude	Date Hole Com-pleted	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval(s)		Number of Open-ings				
AMARGOSA DESERT (230)													
Spring Meadows9	362425116181001	36°24'34"	116°18'11"	09/26/69	2248.	280.	82.	280.	1	12/02/2003	20.19	S	2
										05/18/2004	19.54	S	2
Spring Meadows 11	362521116160801	36°25'21"	116°16'08"	01/01/68	2442.	215.				12/02/2003	93.69	V	2
										05/18/2004	93.59	V	2
Amargosa Flat Playa Well	362936116153001	36°29'36"	116°15'30"	02/13/95	2322.	14.5	9.1	14.1	1	12/02/2003	5.09	V	2
										03/17/2004	4.06	V	2
										05/18/2004	4.47	V	2
										09/22/2004	5.14	V	2
MSH-C Deep Well	363008116161201	36°30'08"	116°16'12"	11/23/94	2330.	1669.	1519.1	1636.38	1	12/02/2003	-3.10	S	2
										03/18/2004	-3.10	S	2
										05/18/2004	-2.96	S	2
										09/22/2004	-2.94	S	2
MSH-C Shallow Well	363008116161202	36°30'08"	116°16'12"	11/23/94	2330.	347.	281.	314.	1	12/02/2003	-2.96	Z	2
										03/18/2004	-3.11	Z	2
										05/18/2004	-3.09	Z	2
										09/22/2004	-2.89	Z	2
LWS-A Deep Well	363317116270801	36°33'17"	116°27'08"	12/02/94	2396.	1859.	1706.	1827.	1	12/02/2003	123.50	V	2
										03/16/2004	123.38	V	2
										05/18/2004	123.35	V	2
										09/22/2004	123.89	V	2
LWS-A Shallow Well	363317116270802	36°33'17"	116°27'08"	12/02/94	2396.	312.	212.	278.	1	12/02/2003	150.45	V	2
										03/16/2004	150.50	V	2
										05/18/2004	150.70	V	2
										09/22/2004	151.10	V	2
Ash-B Deep Well	364329116402901	36°43'32"	116°40'30"	12/16/94	2677.	1214.	1062.	1185.	1	12/02/2003	314.08	V	1
										05/19/2004	314.07	V	1
Ash-B Shallow Well	364329116402902	36°43'32"	116°40'30"	12/16/94	2677.	457.	362.	428.	1	12/02/2003	314.49	V	1
										05/19/2004	314.46	V	1
Narrows South Well 2	365253116450801	36°52'53"	116°45'08"	10/16/71	3180.	120.	20.	120.	2	12/15/2003	18.92	V	2
										03/16/2004	17.96	V	2
										05/19/2004	18.62	V	2
										09/22/2004	19.16	V	2

GROUND-WATER LEVELS

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT

Periodic water-level measurements are made throughout the Nevada Test Site to aid in characterizing the local ground-water flow system. The measurements are made in cooperation with the U.S. Department of Energy as part of their Environmental Restoration Program. The following data have been collected and reviewed according to quality-assurance requirements specific to the Nevada Test Site. Data are listed by Nevada Test Site administrative area and then by hole number within each area.

Site Identification--U.S. Geological Survey site designation.
Land Surface Elevation--Datum is sea level. Value may not represent current elevation.
Well Depth--Datum is land surface. Represents most recent available accessible depth.
Depth of Open Interval (feet below land surface datum)--Top, depth to top of shallowest open interval; bottom, depth to bottom of deepest open interval.
Depth to Water–Datum is land surface. Water levels represent a composite of all open intervals in well. Values not representing static water level are noted in "Status" column.
Status-- D, dry; R, site has been pumped recently; S, a nearby site that taps the same aquifer was being pumped; T, a nearby site that taps the same aquifer had been pumped recently; no site status, the reported water-level measurement represents a static level.
Method--V, calibrated electric tape.
Accuracy-- 1, water level accurate to the nearest tenth of a foot; 2, water level accurate to the nearest hundreth of a foot

Well Name	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval(s) Top (feet)	Depth of Open Interval(s) Bottom (feet)	Number of Openings	Water-Level Measurement Date	Depth to Water (feet)	Status	Method	Accuracy
AREA 1														
UE- 1a	370254116070601	37°02'54"	116°07'06"	02/02/1964	4303.6	562.	78.	957.	2	11/11/2003	545.48		V	1
										03/10/2004	545.22		V	1
										05/24/2004	545.22		V	1
										09/15/2004	545.27		V	1
UE- 1b	370254116064201	37°02'54"	116°06'42"	02/10/1964	4273.4	701.	76.	1254.	2	11/18/2003	644.98		V	1
										03/10/2004	644.79		V	1
										06/22/2004	644.71		V	1
										09/15/2004	644.67		V	1
UE- 1c	370253116055201	37°02'53"	116°05'52"	02/11/1964	4206.6	1772.	74.	1880.	2	11/18/2003	1297.81		V	1
										03/10/2004	1297.72		V	1
										06/22/2004	1297.63		V	1
										09/15/2004	1297.56		V	1
UE- 1h	370005116040301	37°00'05"	116°04'03"	07/03/1968	3994.9	3228.	2134.	3358.	2	11/18/2003	1555.02		V	1
										03/03/2004	1554.69		V	1
										09/20/2004	1554.59		V	1
UE- 1L (recompleted)	370254116082002	37°02'54"	116°08'20"	11/11/1977	4457	2284.	716.	2284.	2	11/11/2003	518.52		V	1
										03/10/2004	518.50		V	1
										06/22/2004	518.36		V	1
										09/20/2004	518.19		V	1
UE- 1q (2600 ft)	370337116033002	37°03'37"	116°03'30"	05/22/1992	4081.4	2600.	2459.	2600.	2	11/18/2003	1655.92		V	1
										02/02/2004	1655.65		V	1
										03/03/2004	1655.59		V	1
										06/21/2004	1655.90		V	1
										09/15/2004	1655.73		V	1
AREA 2														
ER- 2-1 (2079 ft)	370725116033901	37°07'31"	116°03'43"	03/07/2003	4215.9	2079.	1642.	2177.	3	10/17/2003	1726.35		V	1
										11/12/2003	1725.17		V	1
										02/12/2004	1724.62		V	1
										03/10/2004	1724.49		V	1
										06/14/2004	1724.43		V	1
										09/14/2004	1724.33		V	1
ER- 2-1 (2559 ft)	370725116033902	37°07'31"	116°03'43"	03/07/2003	4215.9	2559.	2313.	2600.	2	10/17/2003	602.47		V	1
										11/12/2003	601.41		V	1
										02/12/2004	604.64		V	1
										03/10/2004	606.12		V	1
										06/14/2004	611.11		V	1
										09/14/2004	615.89		V	1
U - 2gk	370720116041601	37°07'20"	116°04'16"	10/15/1992	4241.7	1802.	116.	1809.	3	11/12/2003	1777.67		V	1
										03/10/2004	1777.47		V	1
										06/14/2004	1777.38		V	1
										09/14/2004	1777.25		V	1
UE- 2ce	370831116080701	37°08'31"	116°08'07"	01/23/1977	4764.5	1505.	1377.	1650.	4	11/17/2003	1448.20		V	1
										03/09/2004	1448.48		V	1
										05/27/2004	1448.43		V	1
										09/14/2004	1448.43		V	1

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Well Name	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval(s) Top (feet)	Depth of Open Interval(s) Bottom (feet)	Number of Openings	Water-Level Measurement Date	Depth to Water (feet)	Status	Method	Accuracy
AREA 2--Continued														
WW- 2 (3422 ft)	370958116051512	37°09'58"	116°05'15"	03/11/1962	4469.6	3422.	2700.	3412.	2	11/12/2003	2053.26		V	1
										03/08/2004	2053.74		V	1
										05/26/2004	2053.30		V	1
										06/25/2004	2053.47		V	1
										09/14/2004	2053.43		V	1
AREA 3														
ER- 3-1-2 (shallow)	370116115561302	37°01'09"	115°56'09"	05/20/1994	4406.7	2310.	2208.	2310	2	01/12/2004	2015.67		V	1
ER-3-2-2 (middle)	370214116021002	37°02'14	116°02'10	02/18/1994	4010.1	2655.	2588.	2636.	2	11/19/2003	1605.59		V	1
										03/08/2004	1605.19		V	1
										03/31/2004	1605.27	T	V	1
										06/23/2004	1605.33	S	V	1
										09/15/2004	1604.99		V	1
TW- 7	370353116020201	37°03'54"	116°02'02"	06/27/1954	4057.8	2239.	1710.	2251.	4	11/17/2003	1643.87		V	1
										03/02/2004	1643.80		V	1
										06/23/2004	1644.24		V	1
										09/27/2004	1644.27		V	1
U - 3cn 5	370320116012001	37°03'34"	116°01'21"	02/07/1966	4009.2	2830.	2832.	3030.	3	11/17/2003	1620.15		V	1
										03/02/2004	1620.74	T	V	1
										06/23/2004	1622.49	S	V	1
										08/05/2004	1621.67	T	V	1
										08/12/2004	1621.55		V	1
										08/18/2004	1621.16		V	1
										08/25/2004	1620.98		V	1
										08/30/2004	1621.26		V	1
										09/27/2004	1620.82		V	1
U - 3mi	370020115593001	37°00'21"	115°59'30"	01/20/1986	4005.8	1651.	372.	1794.	2	11/19/2003	1558.00		V	1
										03/02/2004	1557.90		V	1
										06/24/2004	1557.96		V	1
										09/27/2004	1557.94		V	1
UE- 3e 4-1 (2181 ft)	370411116025910	37°04'11"	116°02'59"	03/19/1990	4081.3	2181.	2094.	2192.	2	11/18/2003	1193.80		V	1
										03/02/2004	1196.75		V	1
										06/21/2004	1198.27		V	1
										09/15/2004	1202.11		V	1
UE- 3e 4-2 (1919 ft)	370411116025911	37°04'11"	116°02'59"	03/22/1990	4081.3	1919.	1832.	1926.	2	11/18/2003	1419.89		V	1
										03/02/2004	1421.81		V	1
										06/21/2004	1423.17		V	1
										09/15/2004	1424.46		V	1
UE- 3e 4-3 (1661 ft)	370411116025912	37°04'11"	116°02'59"	03/26/1990	4081.3	1661.	1540.	1668.	2	11/18/2003	1548.52		V	1
										03/02/2004	1548.35		V	1
										06/21/2004	1548.23		V	1
										09/15/2004	1548.34		V	1
WW- A (1870 ft)	370142116021101	37°02'13"	116°02'10"	09/05/1960	4006.4	1870.	1555	1870.	3	11/19/2003	1600.84		V	1
										03/08/2004	1601.00		V	1
										06/22/2004	1600.66		V	1
										09/15/2004	1600.45		V	1
AREA 4														
TW- D	370418116044501	37°04'28"	116°04'30"	01/08/1961	4150.5	1950.	1772.	1950.	5	11/18/2003	1723.72		V	1
										03/03/2004	1723.26		V	1
										06/21/2004	1723.48		V	1
										09/15/2004	1723.34		V	1
AREA 5														
ER- 5-3 (3-in deep)	365223115561702	36°52'23"	115°56'17"	03/16/2000	3337.4	2212.	1995.	2235.	2	11/20/2003	928.93		V	1
										01/26/2004	929.21		V	1
										03/11/2004	929.03		V	1
										06/28/2004	929.13		V	1
										09/28/2004	928.95		V	1

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Well Name	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval(s) Top (feet)	Depth of Open Interval(s) Bottom (feet)	Number of Openings	Water-Level Measurement Date	Depth to Water (feet)	Status	Method	Accuracy
AREA 5--Continued														
ER- 5-3 (3-in shallow)	365223115561703	36°52'23"	115°56'17"	03/16/2000	3337.4	1237.	98.	1080.	2	11/20/2003	927.25		V	1
										01/27/2004	927.51		V	1
										03/11/2004	927.38		V	1
										06/28/2004	927.49		V	1
										09/28/2004	927.40		V	1
ER- 5-3 (8-in upper)	365223115561701	36°52'23"	115°56'17"	04/12/2001	3337.4	2549.	1446.	1782.	2	11/20/2003	927.19		V	1
										01/26/2004	927.37		V	1
										03/11/2004	927.39		V	1
										06/28/2004	927.45		V	1
										09/28/2004	927.29		V	1
ER- 5-3-2	365223115561801	36°52'23"	115°56'18"	03/29/2001	3337.4	4908.	4774.	5683.	2	11/20/2003	952.30		V	1
										01/27/2004	951.21		V	1
										03/11/2004	951.46		V	1
										06/28/2004	950.70		V	1
										09/28/2004	949.50		V	1
ER- 5-3-3	365223115561704	36°52'23"	115°56'17"	02/06/2001	3337.4	1745.	1412.	1800.	2	11/20/2003	927.10		V	1
										01/27/2004	927.26		V	1
										03/11/2004	927.26		V	1
										06/28/2004	927.33		V	1
										09/28/2004	927.23		V	1
ER- 5-4 (deep)	364928115574801	36°49'27"	115°57'48"	03/31/2001	3127	3438.	1715.	3732.	4	11/20/2003	725.83		V	1
										01/22/2004	725.89		V	1
										03/11/2004	725.63		V	1
										06/28/2004	725.58		V	1
										09/28/2004	725.45		V	1
ER- 5-4 (shallow)	364928115574802	36°49'27"	115°57'48"	03/31/2001	3127	814.	119.	813.	2	11/20/2003	725.69		V	1
										01/22/2004	725.30		V	1
										03/11/2004	725.17		V	1
										06/28/2004	725.01		V	1
										09/28/2004	724.91		V	1
ER- 5-4-2	364927115574801	36°49'27"	115°57'48"	09/18/2002	3127	6658.	4848.	7000.	2	11/20/2003	660.88		V	1
										03/11/2004	658.43		V	1
										06/28/2004	657.09		V	1
										09/28/2004	656.29		V	1
RNM - 1	364928115580101	36°49'28"	115°58'01	05/10/1974	3135	999.	112.	1002.	4	09/14/2004	737.42		V	1
										09/28/2004	737.42		V	1
RNM - 2	364923115575701	36°49'22"	115°57'57"	08/02/1974	3129	825.	118.	935.	2	09/14/2004	722.09		V	1
										09/28/2004	722.03		V	1
RNM- 2S	364922115580101	36°49'22"	115°58'01"	04/01/1974	3130.2	1120	1038.	1156.	2	11/20/2003	723.88		V	1
										03/11/2004	723.77		V	1
										06/28/2004	723.62		V	1
										09/28/2004	723.48		V	1
UE- 5n	364915115574101	36°49'15"	115°57'41"	03/01/1976	3113	1687.	720.	1687.	2	11/20/2003	705.93		V	1
										03/11/2004	706.00		V	1
										06/28/2004	705.94		V	1
										09/28/2004	705.77		V	1
WW- 5A	364635115572901	36°46'35"	115°57'29"	03/23/1951	3092.6	910.	642.	910.	2	11/20/2003	710.13		V	1
										01/22/2004	709.73		V	1
										03/08/2004	709.96		V	1
										06/28/2004	709.70		V	1
										09/28/2004	710.54	S	V	1
WW- 5B	364805115580801	36°48'05"	115°58'08"	05/07/1951	3092.1	900	700.	900.	1	11/17/2003	687.45		V	1
										03/08/2004	687.77		V	1
										07/06/2004	686.83		V	1
AREA 6														
ER- 6-1 (big)	365904115593401	36°59'04"	115°59'34"	10/26/1994	3937.2	3206.	1819.	3206.	3	03/31/2004	1546.71		V	1
										09/27/2004	1547.45	T	V	1
ER- 6-1 (small)	365904115593403	36°59'04"	115°59'34"	07/23/1992	3937.2	1790.	1435.	1542.	2	03/31/2004	1473.91		V	1
										09/27/2004	1473.61		V	1
ER- 6-1-1	365904115593402	36°59'04"	115°59'34"	07/16/1993	3937.1	1940.	1835.	2052.	2	03/31/2004	1546.50		V	1
										09/27/2004	1547.02	T	V	1

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AREA 6--Continued														
ER- 6-1-2 (1587 ft)	365901115593502	36°59'02"	115°59'35"	10/01/2002	3935.3	1587.	120.	1587.	2	09/27/2004	1471.76		V	1
ER- 6-1-2 (3200 ft)	365901115593501	36°59'02"	115°59'35"	10/05/2002	3935.3	3200.	1775.	3200.	2	09/27/2004	1545.41	R	V	1
ER- 6-2	365740116043501	36°57'40"	116°04'35"	07/21/1994	4231.3	3430.	1746.	3430.	3	11/11/2003	1784.06		V	1
										02/05/2004	1784.01		V	1
										03/03/2004	1783.78		V	1
										05/24/2004	1783.73		V	1
										09/15/2004	1783.38		V	1
TW- B	365849116002101	36°58'45"	116°00'50"	06/14/1961	3931.8	1670.	1432.	1656.	2	11/19/2003	1504.48		V	1
										03/03/2004	1504.29		V	1
										06/24/2004	1504.51		V	1
										09/27/2004	1504.35		V	1
UE- 6d	365905116033201	36°59'05"	116°03'32"	05/07/1968	3947	3864.	2125.	3896.	3	11/19/2003	1514.54		V	1
										03/03/2004	1514.20		V	1
										05/24/2004	1514.25		V	1
										09/20/2004	1514.20		V	1
UE- 6e (2090-2230 ft)	365905116012002	36°59'05"	116°01'20"	11/11/1992	3938.1	2230.	2090.	2230.	1	11/19/2003	1509.44		V	1
										03/31/2004	1509.40		V	1
										06/24/2004	1509.36		V	1
										09/27/2004	1509.19		V	1
UE-14b	365550116091101	36°55'50"	116°09'11"	01/30/1984	4353.4	3680.	2051.	3680.	2	11/11/2003	1666.47		V	1
										03/09/2004	1666.50		V	1
										05/24/2004	1666.23		V	1
										09/20/2004	1666.27		V	1
WW- 3 (1800 ft)	365942116032901	36°59'43"	116°03'29"	03/05/1952	3969	1800.	1535.	1800.	2	11/19/2003	1531.95		V	1
										02/02/2004	1531.72		V	1
										03/03/2004	1531.51		V	1
										05/24/2004	1531.36		V	1
										09/20/2004	1531.29		V	1
WW- 4	365418116012601	36°54'18"	116°01'26"	11/18/1981	3601.5	1479.	942.	1479.	2	11/17/2003	838.56		V	1
										03/08/2004	838.43		V	1
										07/06/2004	839.10		V	1
										09/27/2004	839.48		V	1
WW- 4A	365412116013901	36°54'12"	116°01'39"	02/21/1990	3606	1502.	1066	1516	3	11/17/2003	839.03		V	1
										03/08/2004	838.91		V	1
										07/06/2004	839.63		V	1
										09/27/2004	839.96		V	1
AREA 7														
ER- 7-1	370424115594301	37°04'24"	115°59'43"	02/09/2003	4246.2	2500.	1775.	2500.	2	11/17/2003	1853.17		V	1
U - 7cd	370451116024101	37°04'51"	116°02'41"	04/14/1992	4114.7	1523.	117.	1625.	3	10/06/2003	1426.16		V	1
										01/13/2004	1426.47		V	1
										04/01/2004	1426.63		V	1
										06/09/2004	1426.81		V	1
										09/30/2004	1427.02		V	1
UE- 4t 1 (1906-2010 ft)	370556116025405	37°05'56"	116°02'54"	10/24/1990	4141.1	1993.	1906.	2010.	2	11/17/2003	492.59		V	1
										03/02/2004	498.27		V	1
										03/29/2004	499.95		V	1
										06/21/2004	504.44		V	1
										09/14/2004	508.85		V	1
										09/15/2004	508.92		V	1
UE- 4t 2 (1564-1754 ft)	370556116025406	37°05'56"	116°02'54"	10/24/1990	4141.1	1724.	1564.	1754.	2	11/17/2003	1195.87		V	1
										03/02/2004	1197.51		V	1
										03/29/2004	1195.33		V	1
										06/21/2004	1193.95		V	1
										09/14/2004	1191.30		V	1
										09/15/2004	1191.39		V	1

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AREA 7--Continued														
UE- 7nS	370556116000901	37°05'56"	116°00'09"	07/14/1976	4366.7	2022.	1707.	2205.	4	11/17/2003	1969.55		V	1
										03/02/2004	1969.99	T	V	1
										06/14/2004	1971.16	S	V	1
										08/05/2004	1971.19	T	V	1
										08/12/2004	1970.93		V	1
										08/18/2004	1970.76		V	1
										08/25/2004	1970.45		V	1
										08/30/2004	1970.47		V	1
										09/14/2004	1970.09		V	1
AREA 8														
UE-10j (2232-2297 ft)	371108116045303	37°11'08"	116°04'53"	02/24/1993	4573.7	2532.	2232.	2297.	2	11/12/2003	2157.58		V	1
										03/08/2004	2157.97		V	1
										03/29/2004	2157.91		V	1
										05/26/2004	2157.61		V	1
										09/14/2004	2157.68		V	1
AREA 11														
UE-11a	365259115571601	36°52'59"	115°57'16"	09/04/1982	3538.3	1130.	599.	1400.	2	11/20/2003		D		
										06/28/2004		D		
										07/28/2004		D		
										08/03/2004		D		
										08/04/2004		D		
										09/28/2004		D		
AREA 12														
ER-12-1 (1641-1846)	371106116110401	37°11'06"	116°11'03"	11/24/1992	5817.1	3434.	1641.	1846.	4	11/11/2003	1526.72		V	1
										03/10/2004	1526.56		V	1
										05/26/2004	1526.47		V	1
										06/24/2004	1526.61		V	1
										09/13/2004	1526.31		V	1
ER-12-2 (2964-5203 ft)	371019116072103	37°10'18"	116°07'21"	04/17/2003	4704.6	5203.	2964.	5203.	1	11/11/2003	186.57		V	2
										03/08/2004	185.27		V	2
										05/26/2004	183.99		V	2
										06/29/2004	183.98		V	2
										09/13/2004	183.51		V	2
ER-12-2 (5203-6883 ft)	371019116072102	37°10'18"	116°07'21"	04/17/2003	4704.6	6883.	5203.	6883.	1	11/11/2003	186.34		V	2
										03/08/2004	185.02		V	2
										05/26/2004	183.85		V	2
										06/29/2004	183.79		V	2
										09/13/2004	183.29		V	2
ER-12-2 (579 ft)	371019116072104	37°10'18"	116°07'21"	01/24/2003	4704.6	579.	120.	650.	2	11/11/2003	414.30		V	1
										03/08/2004	414.35		V	1
										05/26/2004	413.95		V	1
										06/25/2004	414.13		V	1
										09/13/2004	414.10		V	1
U -12s (1480 ft)	371342116125102	37°13'42"	116°12'57"	03/15/1966	6794.2	1467.	12.	1480.	2	10/02/2003	912.48		V	1
										11/19/2003	912.18		V	1
										05/26/2004	911.34		V	1
										09/13/2004	910.98		V	1
UE-12t 6 (1461 ft)	371332116112802	37°13'32"	116°11'28"	09/16/1988	6907	1461.	23.	1461.	8	10/02/2003	804.95		V	1
										11/19/2003	808.15		V	1
										09/13/2004	825.60		V	1
AREA 15														
U -15k Test Hole	371346116032601	37°13'46"	116°03'26"	09/20/1979	5167.7	824.	404.	824.	2	11/12/2003	758.89		V	1
										03/08/2004	756.16		V	1
										05/26/2004	754.50		V	1
										09/14/2004	752.01		V	1

GROUND-WATER LEVELS

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT--Continued

Well Name	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval(s) Top (feet)	Depth of Open Interval(s) Bottom (feet)	Number of Openings	Water-Level Measurement Date	Depth to Water (feet)	Status	Method	Accuracy
					AREA 16									
UE-16f	370208116092402	37°02'08"	116°09'24"	09/23/1977	4651	1409.	1293.	1479.	1	11/11/2003	366.61		V	1
(1479 ft)										03/09/2004	366.44		V	1
										05/24/2004	366.47		V	1
										09/20/2004	366.48		V	1
					AREA 17									
TW- 1	370929116132311	37°09'29"	116°13'23"	/ /1980	6155.8	3694.	1910.	2430.	5	11/11/2003	1462.17		V	1
(3694 ft)										03/10/2004	1461.98		V	1
										05/27/2004	1461.96		V	1
										09/13/2004	1461.84		V	1
UE-17a	370425116095801	37°04'25"	116°09'58"	09/23/1976	4696.5	1207.	745.	1214.	4	11/11/2003	629.40		V	1
										03/10/2004	628.78		V	1
										05/27/2004	628.89		V	1
										09/13/2004	628.13		V	1
					AREA 18									
ER-18-2	370615116222401	37°06'14"	116°22'22"	05/14/1999	5437	2143.0	1351.	2500.	4	03/30/2004	1211.13		V	1
										04/07/2004	1211.10		V	1
										09/23/2004	1211.25		V	1
UE-18r	370806116264001	37°08'05"	116°26'41"	01/24/1968	5538.2	2183.	1629.	5004.	3	03/31/2004	1363.71		V	1
										05/26/2004	1363.72		V	1
										09/23/2004	1363.94		V	1
UE-18t	370741116194501	37°07'41"	116°19'45"	10/05/1978	5201	2600.	1896.	2600.	1	11/10/2003	914.01		V	1
										03/10/2004	914.13		V	1
										06/30/2004	914.05		V	1
										08/09/2004	914.04		V	1
										09/08/2004	913.92		V	1
					AREA 19									
ER-19-1-1	371043116142101	37°10'43"	116°14'21"	12/17/1993	6139.8	3577.5	3210.	3560.	3	11/10/2003	1778.15		V	1
(deep)										03/10/2004	1775.64		V	1
										06/08/2004	1776.21		V	1
										06/28/2004	1776.19		V	1
										09/13/2004	1778.12		V	1
ER-19-1-2	371043116142102	37°10'43"	116°14'21"	12/17/1994	6139.8	2720.1	2550.	2738.	2	11/10/2003	1144.04		V	1
(middle)										03/10/2004	1144.50		V	1
										06/08/2004	1144.64		V	1
										06/28/2004	1144.60		V	1
										09/13/2004	1143.28		V	1
ER-19-1-3	371043116142103	37°10'43"	116°14'21"	12/17/1994	6139.8	1380.5	1301.	1422.	2	11/10/2003	1005.92		V	1
(shallow)										03/10/2004	1005.94		V	1
										06/08/2004	1005.65		V	1
										09/13/2004	1005.69		V	1
U -19bh	371349116222001	37°13'49"	116°22'20"	06/14/1991	6767.9	2107.	70.	2148.	2	11/10/2003	2086.21		V	1
										03/22/2004	2085.78		V	1
										06/08/2004	2086.21		V	1
										08/25/2004	2086.10		V	1
										09/09/2004	2086.14		V	1
U -19bj	371736116184701	37°17'36"	116°18'46"	06/02/1992	7034.5	2149.	57.	2153.	2	11/10/2003	2135.93		V	1
										03/22/2004	2135.86		V	1
										06/30/2004	2135.85		V	1
U -19bk	371714116230301	37°17'14"	116°23'03"	12/11/1991	6669.9	2192.	57.	2198.	2	11/05/2003	1984.30		V	1
										03/23/2004	1984.27		V	1
										06/08/2004	1984.07		V	1
										08/12/2004	1984.43		V	1
										09/09/2004	1984.38		V	1
UE-19c WW	371608116191002	37°16'08"	116°19'10"	06/30/1975	7033.1	8489.	2421.	8489.	2	11/10/2003	2339.50		V	1
										03/22/2004	2339.60		V	1
										06/30/2004	2339.68		V	1
UE-19h	372034116222504	37°20'34"	116°22'25"	01/17/1992	6780.1	2288.	2050.	2283.	1	11/05/2003	2110.86		V	1
										03/23/2004	2110.94		V	1
										04/05/2004	2110.96		V	1
										06/08/2004	2110.70		V	1
										09/09/2004	2110.97		V	1

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT--Continued

Well Name	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval(s) Top (feet)	Depth of Open Interval(s) Bottom (feet)	Number of Openings	Water-Level Measurement Date	Depth to Water (feet)	Status	Method	Accuracy
AREA 20														
ER-20-1	371321116292301	37°13'21"	116°29'29"	09/09/1992	6180.9	2065.	1940.	2065.	1	11/04/2003	1988.72		V	1
										03/25/2004	1988.74		V	1
										04/05/2004	1988.75		V	1
										04/07/2004	1988.77		V	1
										06/02/2004	1988.81		V	1
										09/08/2004	1988.92		V	1
ER-20-2-1	371246116240101	37°12'46"	116°24'01"	08/03/1993	6670	2524.	2303.	2524.	2	11/05/2003	2272.66		V	1
										03/22/2004	2272.72		V	1
										04/06/2004	2272.74		V	1
										06/08/2004	2272.55		V	1
										09/09/2004	2272.82		V	1
ER-20-6-1 (3-in string)	371537116251501	37°15'37"	116°25'15"	03/15/1996	6474.8	2930.	2437.	2947.	3	11/05/2003	2023.43		V	1
										03/29/2004	2023.44		V	1
										06/03/2004	2023.49		V	1
ER-20-6-2 (3-in string)	371536116251601	37°15'36"	116°25'16"	04/01/1996	6475.1	2933.	2414.	2945.	3	11/05/2003	2024.12		V	1
										03/24/2004	2023.93		V	1
										06/03/2004	2024.20		V	1
										09/08/2004	2024.01		V	1
ER-20-6-3 (3-in string)	371533116251801	37°15'33"	116°25'18"	04/16/1996	6466	2789.7	2436.	2807.	2	11/05/2003	2015.11		V	1
										03/24/2004	2014.99		V	1
										06/03/2004	2015.19		V	1
										09/08/2004	2015.08		V	1
PM- 1 (7731 ft)	371649116242102	37°16'49"	116°24'21"	05/03/1964	6557.8	7731.	7543.	7731.	2	11/05/2003	2098.89		V	1
										03/23/2004	2098.69		V	1
										06/07/2004	2098.57		V	1
										09/09/2004	2099.13		V	1
PM- 2	372042116340501	37°20'42"	116°34'05"	05/01/1966	5591.8	8788.	2506.	8788.	13	11/04/2003	858.91		V	1
										03/24/2004	858.86		V	1
										06/07/2004	858.79		V	1
										09/07/2004	858.94		V	1
U -20 WW (cased)	371505116254501	37°15'05"	116°25'45"	07/22/1985	6467.6	3268.	2271.	3268.	2	11/05/2003	2058.17	R	V	1
										03/25/2004	2053.55		V	1
										06/03/2004	2053.57		V	1
										09/08/2004	2054.60	R	V	1
U -20bg	371414116242901	37°14'14"	116°24'29"	12/19/1990	6567.2	2200.	58.	2200	2	11/05/2003	2137.32		V	1
										03/23/2004	2137.48		V	1
										06/03/2004	2137.55		V	1
										08/19/2004	2137.57		V	1
										09/09/2004	2137.61		V	1
UE-20bh 1	371442116243301	37°14'42"	116°24'33"	09/29/1991	6636.6	2810.	1936.	2810.	1	11/05/2003	2213.09		V	1
										03/23/2004	2212.79		V	1
										06/03/2004	2212.84		V	1
										08/09/2004	2213.33		V	1
										09/09/2004	2213.49		V	1
UE-20n 1 (2834 ft)	371425116251902	37°14'25"	116°25'19"	06/10/1987	6460.7	2834.	2282.	2834.	3	11/04/2003	2040.93		V	1
										03/25/2004	2041.04		V	1
										06/03/2004	2041.15		V	1
										09/08/2004	2041.37		V	1
AREA 22														
SM-23-1	363905116005801	36°39'05"	116°00'58"		3543.4	1338.	1302.	1332.	1	11/24/2003	1164.41		V	1
										03/11/2004	1164.43		V	1
										06/29/2004	1164.53		V	1
										09/30/2004	1164.33		V	1
AREA 27														
TW- F (3400 ft)	364534116065902	36°45'34"	116°06'59"	06/12/1962	4142.7	3400.	3150.	3400.	2	10/02/2003	1735.41		V	1
										01/12/2004	1735.51		V	1
										04/01/2004	1735.00		V	1
										06/09/2004	1735.21		V	1
										09/23/2004	1735.55		V	1

GROUND-WATER WITHDRAWALS

NEVADA TEST SITE

Ground-water withdrawals at the Nevada Test Site (NTS) are compiled in cooperation with the U.S. Department of Energy Hydrologic Resources Management Program. The data are provided by Bechtel Nevada. The following data have been reviewed according to quality-assurance requirements specific to the Nevada Test Site.

Station Identification	Hole Number	Latitude	Longitude	Ground-Water Withdrawals for Water Year 2004	
				Month	Millions of Gallons
365011115584702	UE- 5c WW	36°50'11"	115°58'47"	October	0.000
				November	0.000
				December	0.000
				January	0.000
				February	0.000
				March	0.000
				April	0.000
				May	0.000
				June	0.000
				July	0.000
				August	0.000
				September	0.000
				Total	0.000
364805115580801	WW- 5B	36°48'05"	115°58'08"	October	2.783
				November	2.413
				December	2.507
				January	1.974
				February	2.891
				March	0.445
				April	0.000
				May	0.088
				June	1.575
				July	2.606
				August	3.425
				September	3.267
				Total	23.973
364708115574401	WW- 5C	36°47'20"	115°57'49"	October	1.493
				November	1.672
				December	1.655
				January	1.328
				February	1.908
				March	0.249
				April	0.756
				May	2.210
				June	2.837
				July	3.391
				August	3.193
				September	2.775
				Total	23.466
365418116012601	WW- 4	36°54'18"	116°01'26"	October	2.929
				November	1.717
				December	0.176
				January	0.000
				February	0.252
				March	0.697
				April	0.000
				May	0.000
				June	0.210
				July	1.962
				August	4.543
				September	1.504
				Total	13.990

GROUND-WATER WITHDRAWALS

NEVADA TEST SITE--Continued

Station Identification	Hole Number	Latitude	Longitude	Ground-Water Withdrawals for Water Year 2004	
				Month	Millions of Gallons
365412116013901	WW- 4A	36°54'12"	116°01'39"	October	5.844
				November	5.655
				December	4.381
				January	5.738
				February	4.437
				March	8.830
				April	8.520
				May	8.066
				June	5.008
				July	6.593
				August	6.671
				September	5.894
				Total	75.637
365500116003901	WW- C-1	36°55'00"	116°00'39"	October	0.904
				November	1.366
				December	1.270
				January	0.655
				February	0.902
				March	1.457
				April	2.004
				May	1.906
				June	1.751
				July	1.970
				August	1.749
				September	1.296
				Total	17.230
370412116095101	UE-16d WW	37°04'12"	116°09'51"	October	0.707
				November	0.452
				December	0.409
				January	0.990
				February	4.494
				March	4.654
				April	4.628
				May	3.415
				June	1.457
				July	3.187
				August	2.913
				September	3.882
				Total	31.189
370956116172101	WW- 8	37°09'56"	116°17'21"	October	1.714
				November	1.019
				December	0.493
				January	0.686
				February	0.852
				March	0.605
				April	0.751
				May	2.416
				June	1.352
				July	2.761
				August	1.408
				September	1.043
				Total	15.098

GROUND-WATER WITHDRAWALS

NEVADA TEST SITE--Continued

Station Identification	Hole Number	Latitude	Longitude	Ground-Water Withdrawals for Water Year 2004	
				Month	Millions of Gallons
363530116021401	Army 1 WW	36°35'30"	116°02'14"	October	4.739
				November	4.556
				December	4.249
				January	5.215
				February	4.507
				March	5.524
				April	6.501
				May	6.784
				June	6.931
				July	6.233
				August	5.470
				September	5.338
				Total	66.046
364554116232401	J -12 WW	36°45'54"	116°23'24"	October	1.200
				November	1.049
				December	0.962
				January	1.862
				February	0.872
				March	1.208
				April	1.779
				May	1.742
				June	0.905
				July	0.789
				August	0.526
				September	0.357
				Total	13.248
364828116234001	J -13 WW	36°48'29"	116°23'40"	October	0.030
				November	0.039
				December	0.000
				January	0.023
				February	0.000
				March	0.000
				April	0.000
				May	0.000
				June	0.000
				July	0.000
				August	0.000
				September	0.797
				Total	0.889

SPRING DISCHARGE

YUCCA MOUNTAIN GROUND-WATER MONITORING PROJECT

Periodic discharge measurements are made throughout the Yucca Mountain area to support environmental and regulatory aspects of the Yucca Mountain Project. The following data have been reviewed according to quality-assurance requirements specific to the Yucca Mountain Project.

Measurement Method--C, current meter; V, volumetric
Abbreviations--GPM, gallons per minute.
Elevation--land-surface datum.

Spring Number	Spring Name	Site Identification	Owner	Elevation (Feet above sea level)	Measurements		
					Date	Discharge (GPM)	Method
230 S17 E50 09AD 1	Fairbanks Spring	362924116203001	U.S. Fish and Wildlife Service	2250.	03/27/2003	1600.	C
					06/24/2003	1600.	C
					09/05/2003	1600.	C
					12/18/2003	1600.	C
230 S17 E50 23BBCA1	USFWS - Five Spring	362755116190401	U.S. Fish and Wildlife Service	2367.4	01/16/2003	38.	V
					02/06/2003	37.	V
					03/06/2003	38.	V
					04/03/2003	37.	V
					05/22/2003	35.	V
					06/13/2003	33.	V
					07/23/2003	35.	V
					08/19/2003	35.	V
					09/29/2003	35.	V
					10/27/2003	38.	V
					11/17/2003	38.	V
					12/05/2003	36.	V
230 S18 E50 03ADBA1	Crystal Pool	362502116192301	U.S. Fish and Wildlife Service	2195.	03/14/2003	2600.	C
					06/26/2003	2800.	C
					08/29/2003	2600.	C
					12/12/2003	3000.	C
230 S18 E51 19ACB 1	Big Spring	362230116162001	U.S. Fish and Wildlife Service	2240.	03/14/2003	1000.	C
					06/24/2003	990.	C
					08/29/2003	1100.	C
					12/12/2003	1100.	C
243026N002E13FS01S	Navel Spring	362252116425301	U.S. Borax	2080.	03/19/2003	0.87	V
					06/17/2003	0.82	V
					09/04/2003	0.84	V
					12/11/2003	0.83	V
243027N001E23BS01S	Texas Spring	362728116501101	National Park Service	400.	03/19/2003	190.	C
					06/17/2003	180.	C
					09/04/2003	200.	C
					12/18/2003	190.	C

GROUND-WATER LEVELS

YUCCA MOUNTAIN GROUND-WATER MONITORING PROJECT

Periodic water-level measurements are made throughout the Yucca Mountain area to support environmental and regulatory aspects of the Yucca Mountain Project. The following data, which do not include continual records developed from pressure-sensor data, have been reviewed according to quality-assurance requirements specific to the Yucca Mountain Project.

Site Number--Sites are grouped by hydrographic area and, within each area, are listed in general north-to-south, then west-to-east order.
Elevation--Land surface datum.
Water Level Status--P, site was being pumped; R, site had been pumped recently; Z, measurement made in pump discharge column.
Water Level Method--S, steel tape; V, calibrated electric-tape
Water Level Accuracy--1, water level accurate to the nearest tenth of a foot; 2, water level accurate to the nearest one-hundreth of a foot.

Site Number	Local Site Number	Station Name	Site Identification	Elevation (Feet Above Sea Level)	Well Depth (Feet)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Accuracy
CF-1	229 S12 E48 04DBB 1	Crater Flat 1	365520116370301	3930.9	1600.	06/26/2003	624.89		V	1
						07/28/2003	624.79		V	1
						08/12/2003	624.56		V	1
						09/25/2003	624.41		V	1
						10/23/2003	624.25		V	1
						11/07/2003	624.17		V	1
						12/08/2003	623.98		V	1
CF- 1a	229 S12 E48 07ADD 1	Crater Flat 1a	365445116383901	4080.9	700.	01/28/2003	177.72		S	2
						02/07/2003	177.79		S	2
						03/07/2003	178.00		S	2
						04/23/2003	178.31		S	2
						05/27/2003	178.79		S	2
						06/17/2003	178.77		S	2
						07/28/2003	179.17		S	2
						08/12/2003	179.20		S	2
						09/25/2003	179.55		S	2
						10/23/2003	179.65		S	2
						11/07/2003	179.87		S	2
						12/08/2003	180.01		S	2
CF- 2	229 S13 E48 27C 1	USW VH-1	364732116330701	3161.1	2501.	01/23/2003	603.64		S	1
						02/21/2003	603.69		V	1
						03/27/2003	603.59		V	1
						04/29/2003	603.62		V	1
						05/06/2003	603.33		V	1
						06/23/2003	603.30		V	1
						07/28/2003	603.43		V	1
						08/12/2003	603.39		V	1
						09/25/2003	603.35		V	1
						10/08/2003	603.54		S	1
						11/07/2003	603.53		V	1
						12/08/2003	603.62		V	1
CF- 3	229 S14 E48 36DDD 1	Crater Flat 3	364105116302601	2725.6	460.	01/28/2003	331.21		S	1
						02/24/2003	331.11		S	1
						03/12/2003	331.23		S	1
						04/28/2003	331.15		V	1
						04/28/2003	331.68	P	V	1
						05/22/2003	331.18		V	1
						05/22/2003	331.67	P	V	1
						06/17/2003	331.16		S	1
						07/24/2003	331.18		S	1
						08/20/2003	331.20		S	1
						09/25/2003	331.19		S	1
						10/24/2003	331.72	P	V	1
						11/18/2003	331.24		V	1
						12/19/2003	331.16		V	1
JF- 1	227A S12 E50 33A 1	UE-25 WT 15	365116116233801	3553.8	1360.	01/22/2003	1160.69		S	1
						02/20/2003	1160.38		V	1
						03/21/2003	1160.54		V	1
						04/28/2003	1160.38		V	1
						05/06/2003	1160.31		V	1
						06/23/2003	1160.23		V	1
						07/07/2003	1160.39		V	1
						08/13/2003	1160.47		V	1
						09/24/2003	1160.38		V	1

GROUND-WATER LEVELS

YUCCA MOUNTAIN GROUND-WATER MONITORING PROJECT--Continued

Site Number	Local Well Number	Station Name	Site Identification	Elevation (Feet Above Sea Level)	Well Depth (Feet)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Accuracy
JF- 1	227A S12 E50 33A 1	UE-25 WT 15	365116116233801	3553.8	1360.	10/27/2003	1160.61		V	1
						11/06/2003	1160.51		V	1
						12/04/2003	1160.42		V	1
JF- 2a	227A S13 E49 14A2	UE-25p 1 PTH (Lwr Intrvl)	364938116252102	3655.5	5923	01/22/2003	1184.49		S	1
						02/24/2003	1183.91		V	1
						03/20/2003	1184.24		V	1
						04/28/2003	1184.11		V	1
						05/06/2003	1184.07		V	1
J -13	227A S13 E50 19C1	J -13 WW	364828116234001	3317.9	3488.	01/27/2003	927.04		V	1
						02/20/2003	927.17		V	1
						03/20/2003	927.41		V	1
						04/28/2003	927.23		V	1
						05/06/2003	927.15		V	1
						06/23/2003	927.06		V	1
						07/07/2003	927.17		V	1
						08/13/2003	927.25		V	1
						09/24/2003	927.16		V	1
						10/28/2003	927.15		V	1
						11/06/2003	927.39		V	1
J -11	227A S13 E51 31B1	J -11 WW	364706116170601	3442.8	1327.	01/21/2003	1040.14		S	1
						02/24/2003	1039.98		V	1
						03/20/2003	1040.29		V	1
						04/28/2003	1040.15		V	1
						05/06/2003	1040.13		V	1
						06/23/2003	1039.95		V	1
						07/07/2003	1040.10		V	1
						08/13/2003	1040.25		V	1
						08/28/2003	1040.16		V	1
						09/24/2003	1040.13		V	1
						10/08/2003	1040.21		S	1
						11/06/2003	1040.31		V	1
						12/04/2003	1040.24		V	1
J -12	227A S14 E50 06A2	J -12 WW	364554116232401	3128.4	1139.	01/22/2003	739.78		S	1
						02/20/2003	739.55		V	1
						03/20/2003	739.74		V	1
						04/28/2003	739.58		V	1
						05/06/2003	739.47		V	1
						06/23/2003	739.43		V	1
						07/07/2003	739.49		V	1
						08/13/2003	739.56		V	1
						09/24/2003	739.46		V	1
						10/07/2003	739.46		S	1
						11/06/2003	739.66		V	1
						11/13/2003	739.57		V	1
						11/13/2003	746.74	P	V	1
						12/04/2003	739.48		V	1
JF- 3	227A S14 E50 06D1	JF- 3 Well	364528116232201	3098.3	1138.	01/15/2003	709.82		V	1
						02/20/2003	709.54		V	1
						03/20/2003	709.73		V	1
						04/28/2003	709.57		V	1
						05/06/2003	709.48		V	1
						06/23/2003	709.41		V	1
						07/07/2003	709.47		V	1
						08/13/2003	709.58		V	1
						09/24/2003	709.47		V	1
						10/27/2003	709.55		V	1
						11/06/2003	709.64		V	1
						12/04/2003	709.46		V	1
RV- 1	226 S15 E50 24A1	TW- 5	363815116175901	3056.0	800.	01/27/2003	677.63		V	1
						02/07/2003	677.66		V	1
						03/12/2003	677.53		V	1
						04/04/2003	677.46		V	1
						05/20/2003	677.33		V	1

Site Number	Local Well Number	Station Name	Site Identification	Elevation (Feet Above Sea Level)	Well Depth (Feet)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Accuracy
RV- 1	226 S15 E50 24A1	TW- 5	363815116175901	3056.0	800.	06/16/2003	677.38		V	1
						07/22/2003	677.24		V	1
						08/28/2003	677.24		V	1
						09/16/2003	677.30		V	1
						10/24/2003	677.24		V	1
						11/17/2003	677.29		V	1
						12/08/2003	677.37		V	1
MV- 1	225 S16 E53 05ADB 1	Army 1 WW	363530116021401	3153.3	1953.	01/27/2003	786.43	Z	V	1
						02/26/2003	787.66	R	V	1
						03/17/2003	786.30	Z	V	1
						04/21/2003	786.43	Z	V	1
						05/27/2003	786.72	Z	V	1
						06/23/2003	786.56	Z	V	1
						07/28/2003	786.64	Z	V	1
						08/25/2003	786.52	Z	V	1
						09/29/2003	786.47	Z	V	1
						10/27/2003	786.66	Z	V	1
						11/17/2003	786.53	Z	V	1
						12/08/2003	786.46	Z	V	1
AD- 1	230 S14 E47 32DA 1	NA-6 Deep Well (BGMW-10)	364141116351401	2627.9	960.	01/28/2003	269.82		S	2
						02/07/2003	269.85		S	2
						03/07/2003	269.81		S	2
						04/24/2003	269.84		S	2
						05/27/2003	269.98		S	2
						06/27/2003	269.77		S	2
						07/28/2003	269.83		S	2
						08/12/2003	269.71		S	2
						09/25/2003	269.95		S	2
						10/24/2003	269.89		S	2
						11/07/2003	269.81		S	2
						12/08/2003	270.02		S	2
AD- 2	230 S15 E49 24ABB 1	Airport Well	363830116241401	2638.8	750.	01/27/2003	325.40		S	1
						02/07/2003	325.61		S	1
						03/07/2003	325.53		S	1
						04/04/2003	325.56		S	1
						05/21/2003	325.55		S	1
						06/16/2003	325.64		S	1
						07/23/2003	325.65		S	1
						08/20/2003	325.77		S	1
						09/25/2003	325.69		S	1
						10/24/2003	325.76		S	1
						11/18/2003	325.80		S	1
						12/08/2003	325.87		S	1
AD- 2a	230 S15 E50 18CCDB1	NDOT - Well	363835116234001	2656.8	495.	01/16/2003	342.19		S	1
						02/07/2003	342.40		S	1
						03/07/2003	342.25		S	1
						04/04/2003	342.38		S	1
						05/21/2003	342.38		S	1
						06/16/2003	343.20		S	1
						07/22/2003	342.33		S	1
						08/28/2003	342.20		S	1
						09/25/2003	342.63		S	1
						10/24/2003	342.97		S	1
						11/18/2003	342.46		S	1
						12/08/2003	342.18		S	1
AD- 3a	230 S16 E48 05CAB 1	Amargosa Desert 3a	363521116352501	2395.3	240.	01/27/2003	133.60		S	2
						02/21/2003	133.71		S	2
						03/27/2003	133.78		S	2
						04/04/2003	133.78		S	2
						05/21/2003	133.88		S	2
						06/16/2003	133.97		S	2
						07/23/2003	134.02		S	2
						08/20/2003	134.18		S	2

GROUND-WATER LEVELS

YUCCA MOUNTAIN GROUND-WATER MONITORING PROJECT--Continued

Site Number	Local Well Number	Station Name	Site Identification	Elevation (Feet Above Sea Level)	Well Depth (Feet)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Accuracy
AD- 3a	230 S16 E48 05CAB 1	Amargosa Desert 3a	363521116352501	2395.3	240.	09/29/2003	134.19		S	2
						10/24/2003	134.30		S	2
						11/18/2003	134.35		S	2
						12/09/2003	134.24		S	2
AD- 4a	230 S16 E50 07CABB1	Amargosa Desert 4a	363428116234701	2477.8	269.	01/27/2003	119.58		S	2
						02/24/2003	119.54		S	2
						03/07/2003	119.63		S	2
						04/04/2003	119.48		S	2
						05/21/2003	119.64		S	2
						06/16/2003	119.71		S	2
						07/23/2003	119.73		S	2
						08/20/2003	119.91		S	2
						09/25/2003	119.79		S	2
						10/24/2003	119.89		S	2
						11/17/2003	119.76		S	2
						12/08/2003	119.95		S	2
AD- 5	230 S16 E49 18DCCA1	USBLM Well	363310116294001	2376.4	348.	01/17/2003	131.30		S	2
						02/21/2003	131.29		S	2
						03/26/2003	131.37		S	2
						04/04/2003	131.44		S	2
						05/21/2003	131.94		S	2
						06/16/2003	132.29		S	2
						07/23/2003	132.82		S	2
						08/20/2003	133.19		S	2
						09/29/2003	133.72		S	2
						10/14/2003	133.95		S	2
						11/18/2003	134.22		S	2
						12/09/2003	134.25		S	2
AD- 6	230 S16 E51 27BAA 3	Tracer Well 3	363213116133800	2402.3	678.	01/15/2003	41.84		S	2
						02/06/2003	41.82		S	2
						03/06/2003	41.77		S	2
						04/03/2003	41.78		S	2
						05/22/2003	41.74		S	2
						06/13/2003	41.86		S	2
						07/24/2003	41.81		S	2
						08/28/2003	41.71		S	2
						09/16/2003	41.75		S	2
						10/27/2003	41.78		S	2
						11/07/2003	41.87		S	2
						12/05/2003	41.86		S	2
AD- 7a	230 S17 E48 01AB 3	Amargosa Desert 7a	363009116302702	2305.0	210.	01/27/2003	79.04		S	2
						02/21/2003	78.31		S	2
						03/12/2003	78.24		S	2
						04/23/2003	80.18		S	2
						05/21/2003	81.22		S	2
						06/16/2003	82.08		S	2
						07/23/2003	83.11		S	2
						08/20/2003	84.36		S	2
						09/29/2003	84.14		S	2
						10/24/2003	84.28		S	2
						11/18/2003	82.83		S	2
						12/09/2003	81.90		S	2
AD- 8	230 S17 E52 08CDB 1	Amargosa Desert 8	362929116085701	2394.3	215.	01/27/2003	35.30		S	2
						02/22/2003	35.22		S	2
						03/12/2003	35.32		S	2
						04/04/2003	35.26		S	2
						05/27/2003	35.34		S	2
						06/16/2003	35.51		S	2
						07/24/2003	35.68		S	2
						08/25/2003	35.63		S	2
						09/29/2003	35.52		S	2
						10/28/2003	35.47		S	2
						11/17/2003	35.39		S	2
						12/08/2003	35.44		S	2

GROUND-WATER LEVELS

YUCCA MOUNTAIN GROUND-WATER MONITORING PROJECT--Continued

Site Number	Local Well Number	Station Name	Site Identification	Elevation (Feet Above Sea Level)	Well Depth (Feet)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Accuracy
AD-9a	230 S17 E49 15BC 2	Amargosa Desert 9a	362835116264102	2260.1	415.	01/27/2003	77.51		S	2
						02/21/2003	77.36		S	2
						03/26/2003	80.56		V	1
						04/16/2003	80.34		V	1
						05/21/2003	81.40		V	1
						06/27/2003	83.17		V	1
						07/23/2003	83.33	R	V	1
						08/20/2003	82.82		V	1
						09/25/2003	84.64		V	1
						10/24/2003	84.60		V	1
						11/18/2003	80.82		V	1
						12/09/2003	80.01		V	1
AD-10	230 026N005E05E001S	NA-9 Deep Well	362525116274301	2190.9	1090.	01/16/2003	13.73		S	2
						02/24/2003	13.58		S	2
						03/07/2003	13.65		S	2
						04/03/2003	13.66		S	2
						05/20/2003	13.68		S	2
						06/16/2003	13.71		S	2
						07/22/2003	13.79		S	2
						08/12/2003	13.84		S	2
						09/29/2003	13.96		S	2
						10/23/2003	13.99		S	2
						11/19/2003	14.01		S	2
						12/09/2003	13.95		S	2
AD-11	230 S19 E50 01BBD 1	GS-03 Deep Well	361954116181201	2351.3	2000.	01/16/2003	210.04		S	2
						02/06/2003	209.91		S	2
						03/27/2003	209.49		S	2
						04/04/2003	209.43		S	2
						05/20/2003	208.97		S	2
						06/12/2003	208.48		S	2
						07/22/2003	208.20		S	2
						08/12/2003	208.12		S	2
						09/15/2003	208.12		S	2
						10/23/2003	208.46		S	2
						11/19/2003	208.78		S	2
						12/09/2003	208.87		S	2
AD-12	230 S18 E51 34CBD 1	GS-01 Deep Well	362014116133901	2430.3	1580.	01/16/2003	80.92		S	2
						02/07/2003	80.88		S	2
						03/06/2003	80.87		S	2
						04/03/2003	80.87		S	2
						05/20/2003	80.85		S	2
						06/12/2003	80.85		S	2
						07/22/2003	80.89		S	2
						08/12/2003	80.95		S	2
						09/15/2003	80.94		S	2
						10/23/2003	81.00		S	2
						11/17/2003	81.02		S	2
						12/05/2003	80.99		S	2
AD-13	230 025N004E21M001S	S-1 Deep Well	361724116324201	2703.2	2000.	01/23/2003	366.61		S	1
						02/26/2003	366.22		S	1
						03/12/2003	366.34		S	1
						04/23/2003	366.39		S	1
						05/20/2003	366.38		S	1
						06/12/2003	366.25		S	1
						07/22/2003	366.23		S	1
						08/19/2003	366.24		S	1
						09/15/2003	366.14		S	1
						10/14/2003	366.33		S	1
						11/18/2003	366.39		S	1
						12/09/2003	366.44		S	1

GROUND-WATER LEVELS

YUCCA MOUNTAIN GROUND-WATER MONITORING PROJECT--Continued

Site Number	Local Well Number	Station Name	Site Identification	Elevation (Feet Above Sea Level)	Well Depth (Feet)	Water Level (Below Land Surface) Date	(Feet)	Status	Method	Accuracy
AD-14	230 025N005E14M001S	Death Valley Jct Well	361817116244701	2041.8	225.	01/16/2003	2.48		S	2
						02/21/2003	2.31		S	2
						03/07/2003	2.20		S	2
						04/04/2003	2.54		S	2
						05/20/2003	2.46		S	2
						06/12/2003	2.29		S	2
						07/22/2003	2.49		S	2
						08/12/2003	2.50		S	2
						09/15/2003	2.89		S	2
						10/23/2003	2.61		S	2
						11/18/2003	3.12		S	2
						12/09/2003	2.55		S	2
AM- 1	230 S17 E50 10CDD 1	Rogers Spring Well	362858116195301	2265.9	202.	01/16/2003	2.82		S	2
						02/06/2003	2.76		S	2
						03/06/2003	2.64		S	2
						04/03/2003	2.74		S	2
						05/22/2003	2.95		S	2
						06/13/2003	3.46		S	2
						07/23/2003	4.16		S	2
						08/19/2003	4.33		S	2
						09/29/2003	4.27		S	2
						10/14/2003	4.04		S	2
						11/17/2003	3.43		S	2
						12/05/2003	3.17		S	2
AM- 3	230 S17 E50 33CAAB1	Ash Meadows 3	362555116205301	2157.0	202.	01/16/2003	21.43		S	2
						02/06/2003	21.21		S	2
						03/06/2003	20.84		S	2
						04/03/2003	20.61		S	2
						05/22/2003	20.38		S	2
						06/13/2003	20.49		S	2
						07/23/2003	21.05		S	2
						08/19/2003	21.50		S	2
						09/15/2003	21.85		S	2
						10/15/2003	21.98		S	2
						11/17/2003	22.02		S	2
						12/05/2003	22.02		S	2
AM- 5	230 S17 E50 36DDC 1	Devils Hole Well	362529116171100	2404.1	200.	01/16/2003	48.16		S	2
						02/24/2003	47.99		S	2
						03/06/2003	48.12		S	2
						04/03/2003	48.16		S	2
						05/22/2003	48.10		S	2
						06/16/2003	48.10		S	2
						07/23/2003	48.19		S	2
						08/20/2003	48.20		S	2
						09/15/2003	48.11		S	2
						10/15/2003	48.17		S	2
						11/17/2003	48.17		S	2
						12/05/2003	48.15		S	2
AM- 6	230 S18 E51 07BBBB1	Point of Rocks North Well	362432116165701	2318.8	500.	01/16/2003	21.43		S	2
						02/06/2003	21.44		S	2
						03/06/2003	21.54		S	2
						04/03/2003	21.46		S	2
						05/22/2003	21.43		S	2
						06/12/2003	21.58		S	2
						07/23/2003	21.70		S	2
						08/20/2003	21.71		S	2
						09/15/2003	21.63		S	2
						10/15/2003	21.63		S	2
						11/17/2003	21.52		S	2
						12/05/2003	21.50		S	2

Site Number	Local Well Number	Station Name	Site Identification	Elevation (Feet Above Sea Level)	Well Depth (Feet)	Water Level (Below Land Surface)				
						Date	(Feet)	Status	Method	Accuracy
AM- 7	230 S18 E51 07BDB 1	Point of Rocks South Well	362417116163600	2333.5	586.	01/16/2003	7.39		S	2
						02/06/2003	7.35		S	2
						03/06/2003	8.25		S	2
						04/03/2003	7.29		S	2
						05/22/2003	7.33		S	2
						06/12/2003	7.37		S	2
						07/23/2003	7.60		S	2
						08/20/2003	7.63		S	2
						09/15/2003	7.54		S	2
						10/15/2003	7.52		S	2
						11/17/2003	7.44		S	2
						12/05/2003	7.38		S	2
DV- 3	243 026N003E21L001S	Travertine Point 1 Well	362230116392901	2728.4	650.	01/28/2003	602.21		V	1
						02/26/2003	602.14		V	1
						03/12/2003	602.19		V	1
						04/23/2003	602.23		V	1
						05/21/2003	602.24		V	1
						06/12/2003	602.20		V	1
						07/24/2003	602.26		V	1
						08/19/2003	602.26		V	1
						09/16/2003	602.25		V	1
						10/15/2003	602.29		V	1
						11/18/2003	602.46		V	1
						12/09/2003	602.45		V	1

Other well data for Amargosa Valley 230 may be found in Nevada Test Site and Adjacent Areas Monitoring Project tables.