

Title

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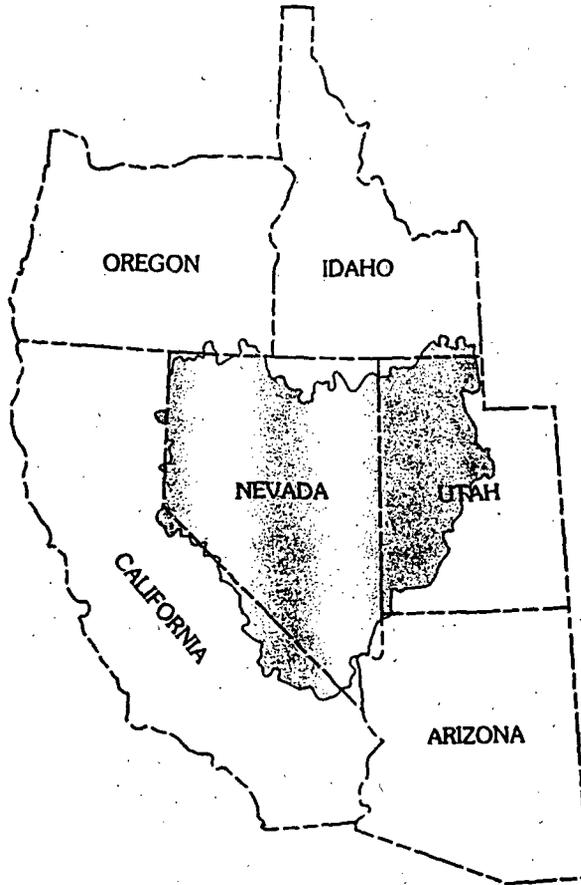
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MAJOR GROUND-WATER FLOW SYSTEMS IN THE GREAT BASIN REGION OF NEVADA, UTAH, AND ADJACENT STATES

By James R. Harrill, Joseph S. Gates, and James M. Thomas

REGIONAL AQUIFER SYSTEMS OF THE GREAT BASIN



HYDROLOGIC INVESTIGATIONS ATLAS
Published by the U.S. Geological Survey, 1988

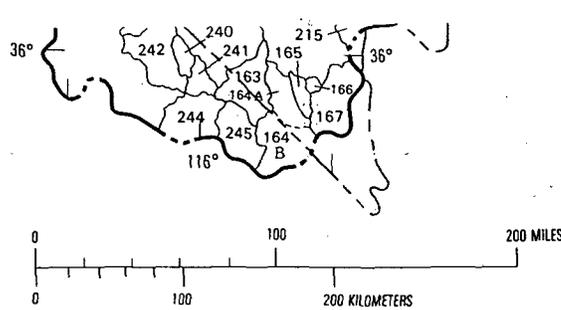
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HARRILL AND OTHERS—GROUND-WATER FLOW SYSTEMS, GREAT BASIN REGION OF NEVADA, UTAH, AND ADJACENT STATES 1:1,000,000 ATLAS P.

OF MAJOR FLOW SYSTEMS

Map No.	Flow-system name	Area (square miles)	Number of hydrographic areas or subareas included	Ground-water recharge (acre-feet)	Ground-water storage (acre-feet per foot)	System characteristics	References
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numbers are those shown in figure 3
with subareas in more than one

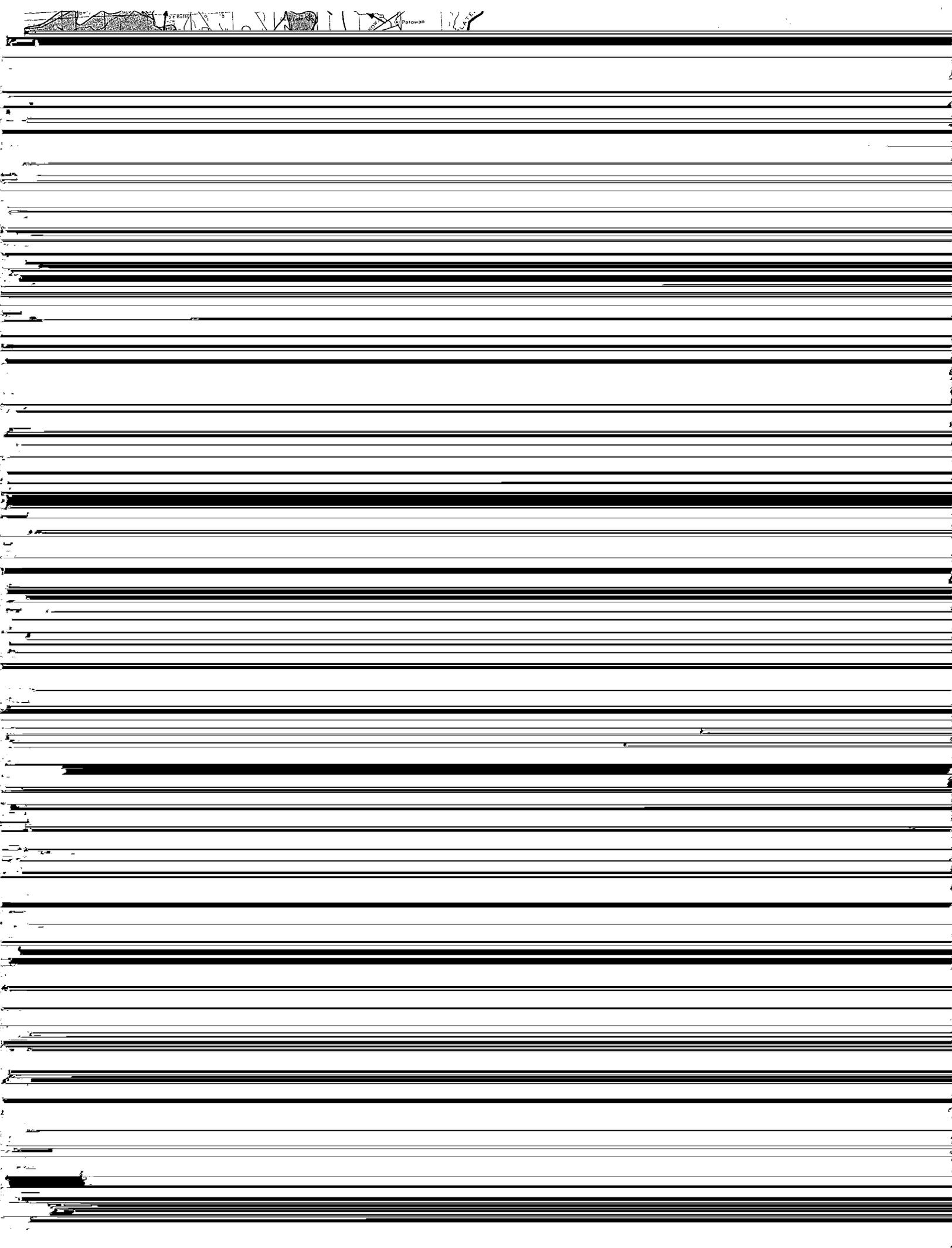
----- HYDROGRAPHIC-SUBAREA BOUNDARY

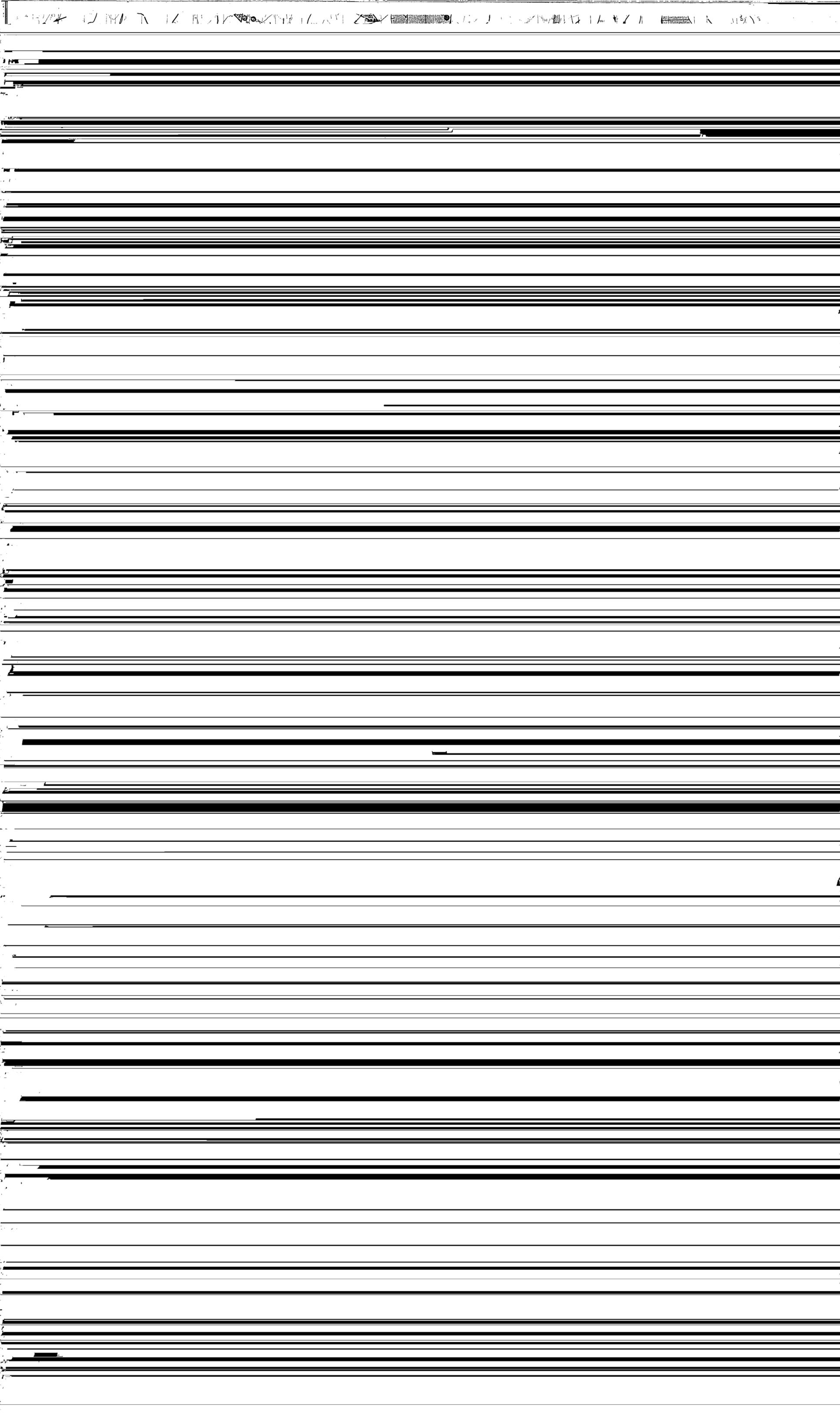
———— MAJOR FLOW-SYSTEM BOUNDARY

----- STUDY-AREA BOUNDARY

CONTINENTAL LAKE SYSTEM (1)	73	Lovelock Valley	122	GABBS VALLEY (22)	244
2 Continental Lake Valley		A. Oreana Subarea	136	MONTE CRISTO VALLEY (23)	245
3 Gridley Lake Valley		B. Upper & Lower Valley Areas		SOUTH-CENTRAL MARSHES (24)	
4 VIRGIN VALLEY (2)	74	White Plains	113	Huntoon Valley	154
7 SWAN LAKE VALLEY (3)	131	BUFFALO VALLEY (8)	114	Teels Marsh Valley	155
LONG VALLEY SYSTEM (4)	129	BUENA VISTA VALLEY (9)	117	Fish Lake Valley	
8 Massacre Lake Valley		GRANITE SPRINGS SYSTEM (10)	118	Columbus Salt Marsh Valley	
9 Long Valley	78	Granite Springs Valley	119	Rhodes Salt Marsh Valley	
12 Mosquito Valley	79	Kumiva Valley	120	Garfield Flat	
15 Boulder Valley	80	WINNEMUCCA LAKE VALLEY (11)	121	Soda Spring Valley *	150
16 DUCK LAKE VALLEY (5)		TRUCKEE SYSTEM (12)		B. Eastern Part	155
BLACK ROCK DESERT SYSTEM (6)	81	Pyramid Lake Valley	135	Lone Valley	
19 Dry Valley	82	Dodge Flat	137	Big Smoky Valley *	156
20 Sano Valley	83	Tracy Segment		A. Tonopah Flat	173
21 Smoke Creek Desert	84	Warm Springs Area	141	Ralston Valley	
22 San Emidio Desert	85	Spanish Springs Valley	142	Alkali Spring Valley	170
23 Granite Basin	86	Sun Valley	143	Clayton Valley	
24 Hualapai Flat	87	Truckee Meadows	149	Stone Cabin Valley	177
25 High Rock Lake Valley	88	Pleasant Valley	138	GRASS VALLEY (25)	188
26 Mud Meadows	89	Washoe Valley	137B	NORTHERN BIG SMOKY VALLEY (26) *	
27 Summit Lake Valley		LEMMON VALLEY (13)		DIAMOND VALLEY SYSTEM (27)	176
28 Black Rock Desert	92	Lemmon Valley	139	Kobeh Valley	178
29 Pine Forest Valley		A. Western Part	140	Monitor Valley	
30 Kings River Valley		B. Eastern Part		A. Northern Part	
A. Rio King Subarea	93	Antelope Valley	151	B. Southern Part	164
B. Sod House Subarea	100	COLD SPRING VALLEY (14)	152	Antelope Valley (Eur & Nye)	
31 Desert Valley		FERNLEY SINK SYSTEM (15)	153	Stevens Basin	
32 Silver State Valley	75	Bradys Hot Springs Area		Diamond Valley	
33 Quinn River Valley	76	Fernley Area		DEATH VALLEY SYSTEM (28)	165
A. Orovada Subarea	77	Fireball Valley	144	Lida Valley	166
B. McDermit Subarea		CARSON SYSTEM (16)	145	Stonewall Flat	167
C. Oregon Canyon Subarea	101	Carson Desert	146	Sarcobatus Flat	171
HUMBOLDT SYSTEM (7)		A. Packard Desert	147	Gold Flat	172
42 Marys River Area		B. Lahontan Valley	148	Cactus Flat	174
43 Starr Valley Area	102	Churchill Valley	157	Kawich Valley	175
44 North Fork Area	103	Dayton Valley	158	Emigrant Valley	180
45 Lamoille Valley		A. Carson Plains		A. Groom Lake Valley	181
46 South Fork Area		B. Stagecoach Valley		B. Pappoose Lake Valley	182
47 Huntington Valley	104	Eagle Valley	159	Yucca Flat	183
48 Tenmile Creek Area	105	Carson Valley	160	Frenchman Flat	198
49 Elko Segment		WALKER SYSTEM (17)	161	Indian Springs Valley	199
50 Susie Creek Area	106	Antelope Valley	162	Pahrump Valley	200
51 Maggie Creek Area	107	Smith Valley	168	Three Lakes Valley (Northern Part)	201
52 Marys Creek Area	108	Mason Valley	169	Tikapoo Valley	202
53 Pine Valley	109	East Walker Area		A. Northern Part	203
54 Crescent Valley	110	Walker Lake Valley		B. Southern Part	204
55 Carico Lake Valley		A. Schurz Subarea		Railroad Valley *	205
56 Upper Reese River Valley		B. Lake Subarea		A. Southern Part	206
57 Antelope Valley		C. Hawthorne Whiskey Flat	173	Three Lakes Valley (Southern Part)	207
58 Middle Reese River Valley	121	Soda Spring Valley	211	Mercury Valley	208
59 Lower Reese River Valley		B. Western Part	225	Rock Valley	209
60 Whirlwind Valley		C. Central Part	226	Fortymile Canyon	210
61 Boulder Flat		DIXIE VALLEY SYSTEM (18)	227	A. Jackass Flats	212
62 Rock Creek Valley	124	Fairview Valley		B. Buckboard Mesa	215
63 Willow Creek Valley	125	Stingaree Valley	228	Oasis Valley	216
64 Clovers Area	126	Cowkick Valley	229	Crater Flat	217
65 Pumpnickel Valley	127	Eastgate Valley Area	230	Amargosa Desert	218
66 Kelly Creek Area	128	Dixie Valley	240	Chicago Valley	219
67 Little Humboldt Valley	130	Pleasant Valley	241	California Valley	220
68 Hardscrabble Area	132	Jersey Valley	242	Lower Amargosa Valley	221
69 Paradise Valley	133	EDWARDS CREEK VALLEY (19)	243	Death Valley	222
70 Winnemucca Segment	134	SMITH CREEK VALLEY (20)			
71 Grass Valley	123	RAWHIDE FLATS (21)			
72 Inlay Area					

Figure 3.—Hydrographic areas





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