

# Bibliography of Selected Water-Resources Publications on Nevada by the U.S. Geological Survey, 1885 through 1995

*By* Robin L. Bunch

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U.S. GEOLOGICAL SURVEY

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## ABSTRACT

References to 898 water-resources publications are listed alphabetically by senior author and indexed by hydrographic-area name or other geographic features. Most of the publications were written between 1960 and 1995 by U.S. Geological Survey scientists and engineers of the Water Resources Division, Nevada District. Also included are references to publications by other Water Resources Division authors that deal with Nevada hydrology. References to publications written before 1960 are included to provide a historical perspective. The references include several types of Geological Survey book and map publications, as well as State-series reports, journal articles, conference and symposium papers, abstracts, and graduate-degree theses. Information on publication availability is provided also.

## INTRODUCTION

This bibliography is a compilation of references to 898 publications pertaining to the water resources of Nevada. Most of the listed publications were written during the last three decades by U.S. Geological Survey (USGS) scientists and engineers of the Water Resources Division, Nevada District. Also included are references to publications by other Water Resources Division authors that deal with Nevada hydrology. References to publications written before 1960 are included to provide a historical perspective. This report contains 294 references in addition to those in the bibliography it supersedes (Bunch, 1994).

The compilation herein contains references to reports published from 1885 through December 1995. References are listed alphabetically by senior author in the section titled "Water-Resources Publications." Following that section is a geographic index. Most of the publications are indexed by hydrographic area<sup>1</sup>, but hydrologic and political names, such as Lake Mead or the Nevada Test Site, are included also. Other locators, such as specific river basins, are given for large study areas that include many hydrographic areas and for publications that had not been catalogued as to hydrographic area at the time this report was published. The hydrographic areas of Nevada are shown in figure 1.

Notification of omissions and errors in the citations and index would be appreciated; they may be sent to the author at the Nevada address on the back of the title page. Electronic mail may be sent to [rlsweet@usgs.gov](mailto:rlsweet@usgs.gov).

The following are separate bibliographies that list publications by USGS personnel pertaining to the Yucca Mountain and Nevada Test Site areas of southern Nevada:

Glanzman, V.M., 1991, Bibliography of publications related to the Yucca Mountain Site Characterization Project prepared by U.S. Geological Survey personnel through April 1991: U.S. Geological Survey Open-File Report 91-341, 52 p. [*480 citations and subject index*]

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<sup>1</sup>Formal hydrographic areas in Nevada were delineated systematically by the U.S. Geological Survey and Nevada Division of Water Resources in the late 1960's for scientific and administrative purposes (Rush, 1968; Cardinalli and others, 1968). The official hydrographic-area names, numbers, and geographic boundaries continue to be used in Geological Survey scientific reports and Division of Water Resources administrative activities.

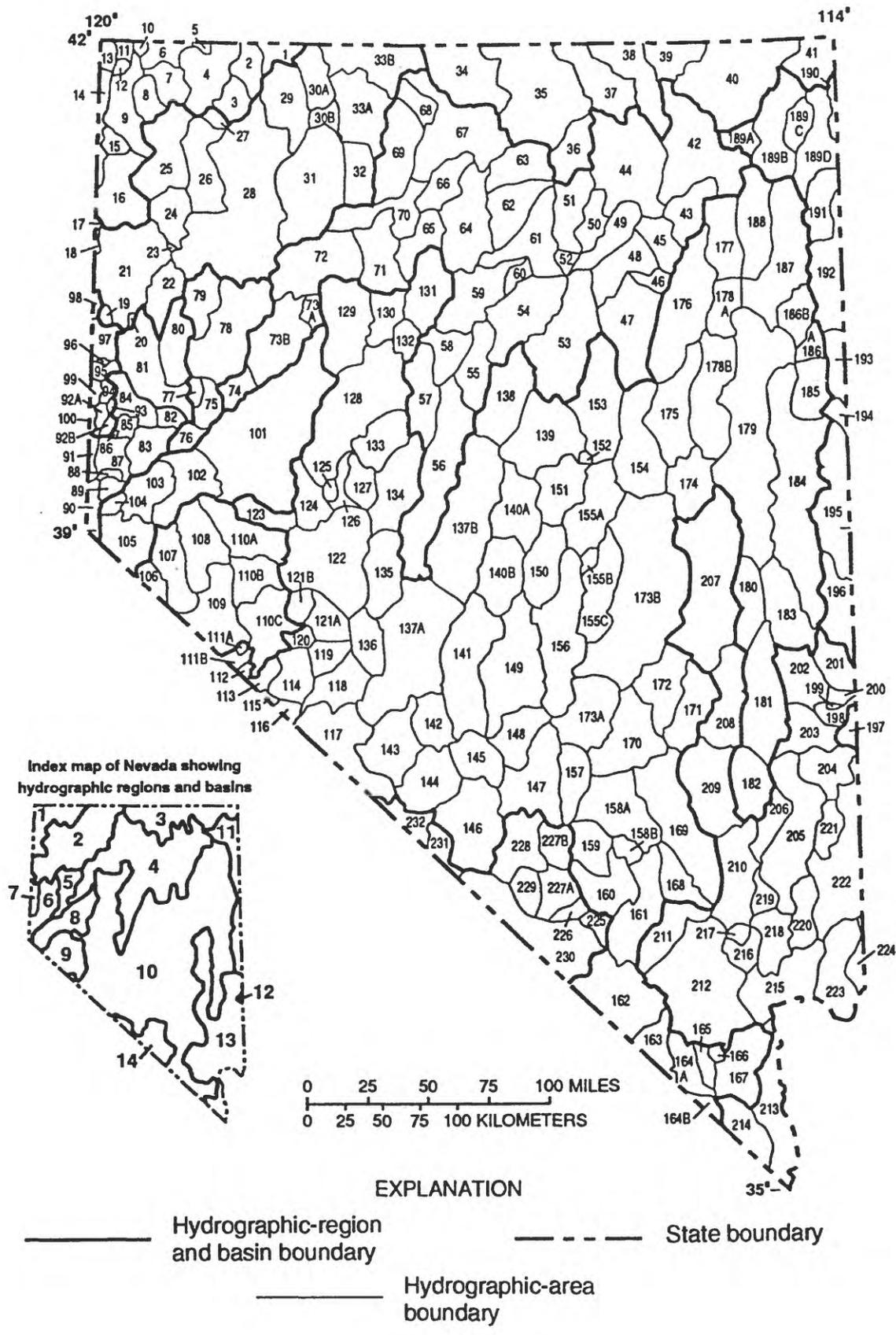


Figure 1.—Hydrographic areas in Nevada (modified from Rush, 1968a).

**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. Canco 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. Pumpnickel 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 Spngs 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 V.

**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. Hunttoon 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 Flats
- 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) Hemill 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. Pahruc V.
- 209. Pahranaagat V.
- 210. Coyote Spring V.
- 211. Three Lakes V. (Southern Part)\*
- 212. Las Vegas V.
- 213. Colorado River 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

Glanzman, V.M., 1992, Bibliography of publications prepared by U.S. Geological Survey personnel under cooperative programs with the U.S. Department of Energy and predecessor agencies, 1957-1991, with emphasis on nuclear testing programs: U.S. Geological Survey Open-File Report 92-502, 83 p. [1945 citations and subject index]

These two reports may be purchased from Information Services. (See section titled "Availability of Publications.")

## WATER-RESOURCES DATA REPORTS

Water-resources data were published in Geological Survey Water-Supply Papers until 1970. Data on surface-water quantity were the first to be reported, beginning before 1900. From 1941 to 1970, data on surface-water quality were reported annually in separate Water-Supply Papers. The data were reported by water year, which is a 12-month period from October 1 to September 30, designated by the calendar year in which it ends. From 1946 to 1974, ground-water levels were reported by calendar year in separate Water-Supply Papers. Since water year 1961, water-resources data also have been published in a series of annual reports for Nevada.

Compilations of data on surface-water quantity in Nevada for water years through 1970 are summarized geographically by "part number" in the following Water-Supply Papers (WSP):

Water year	WSP number		
	Part 9 <sup>a</sup>	Part 10 <sup>b</sup>	Part 13 <sup>c</sup>
Through 1950	1313	1314	1317
1951-60	1733	1734	1737
1961-65	1926	1927	1934
1966-70	2126	2127	2134

<sup>a</sup> Colorado River Basin

<sup>b</sup> The Great Basin

<sup>c</sup> Snake River Basin

Information on surface-water quality in Nevada for water years 1941-70 is given in the following Water-Supply Papers:

Water year	WSP number	Water year	WSP number	Water year	WSP number
1941	942	1951	1200	1961	1885
1942	950	1952	1253	1962	1945
1943	970	1953	1293	1963	1951
1944	1022	1954	1353	1964	1958
1945	1030	1955	1403	1965	1965
1946	1050	1956	1453	1966	1995
1947	1102	1957	1523	1967	2015
1948	1133	1958	1574	1968	2098
1949	1163	1959	1645	1969	2148
1950	1189	1960	1745	1970	2158

Information on ground-water levels in Nevada for calendar years 1946-74 is given in the following Water-Supply Papers:

Calendar year	WSP number	Calendar year	WSP number
1946-50	1170	1955	1409
1951	1196	1956-60	1770
1952	1226	1961-65	1855
1953	1270	1966-70	2010
1954	1326	1971-74	2162

Surface-water records have been released in U.S. Geological Survey annual data reports for Nevada since water year 1961. Data on surface-water quality have been included in the annual reports since 1965; data on ground-water levels have been included since 1975; and data on ground-water quality have been included since 1976. These annual data reports are:

U.S. Geological Survey, 1962-65, Surface water records of Nevada, 1961-64: Carson City, Nev., U.S. Geological Survey water-data reports (published annually).

U.S. Geological Survey, 1966-75, Water resources data for Nevada, 1965-74: Carson City, Nev., U.S. Geological Survey water-data reports (published annually).

U.S. Geological Survey, 1976-95, Water resources data, Nevada, water years 1975-94: U.S. Geological Survey Water-Data Reports NV-75-1 to NV-94-1 (published annually).

NOTE: Data reports for water year 1982 and all subsequent years are listed individually herein by specific author (for example, see Frisbie and others, 1983).

## AVAILABILITY OF PUBLICATIONS

This bibliography contains references to publications of many organizations in addition to those of the U.S. Geological Survey. Inspection copies of many USGS reports, including unnumbered open-file reports, are available at the Nevada District office in Carson City. Publications of organizations other than the U.S. Geological Survey may be obtained from the appropriate agency or publishing organization. Some publications are out of print and available only from libraries, such as the Nevada State Library and the University of Nevada Libraries. Graduate-degree theses may be borrowed from the author or university cited in the reference.

U.S. Geological Survey Water-Resources Investigations and Open-File Reports are available from:

Information Services  
U.S. Geological Survey  
Box 25286, MS 517, Federal Center  
Denver, CO 80225-0046  
(303) 202-4200 or 4210

U.S. Geological Survey book and map publications are available from:

Western Distribution Branch  
U.S. Geological Survey  
Box 25286, Federal Center  
Denver, CO 80225-0046  
(303) 202-4000 or 1-800-HELP MAP (435-7627)

Prepayment is required for books and maps. When ordering either books or maps, give the series designation, number, and title. For example: Water-Supply Paper 2313, *Streamflow, sediment transport, and nutrient transport at Incline Village, Lake Tahoe, Nevada, 1970-73*.

Inquiries about the investigations described in the publications listed herein may be addressed to:

Public Information Assistant  
U.S. Geological Survey, WRD  
333 W. Nye Lane, Room 203  
Carson City, NV 89706-0866  
Telephone: (702) 887-7649  
mfogle@usgs.gov

New publications of the U.S. Geological Survey—for Nevada as well as other states—are listed in *Publications of the Geological Survey*, which is published annually and may be ordered from Information Services, U.S. Geological Survey, Box 25286, MS 517, Federal Center, Denver, CO 80225-0046.

The monthly lists of new publications are available on the world wide web. The address is <http://pubs.usgs.gov/publications/index.html>.

## WATER-RESOURCES PUBLICATIONS

NOTE: Asterisk indicates citation added since previous bibliography (Bunch, 1994). Letters are added sequentially after years when an author or authors had more than one publication within a given year. These letters help distinguish publications within the index that follows this listing.

- Andraski, B.J., 1989, Physical properties of trench back-fill at a simulated burial site for low-level radioactive waste near Beatty, NV [abs.]: 80th Annual Meeting, American Society of Agronomy, Anaheim, Calif., December 1988, Program of Agronomy Abstracts, v. 80, p. 178.
- Andraski, B.J., 1990a, Rubber-balloon and drive-core sampling for determining bulk density of an alluvial desert soil [abs.]: 1990 Annual Meetings, American Society of Agronomy, San Antonio, Texas, October 1990, Agronomy Abstracts, p. 208.
- Andraski, B.J., 1990b, Soil-water movement at a simulated burial site for low-level radioactive waste near Beatty, Nevada—First year results [abs.], in Nevada decision point—Which water course to the future?: Annual Conference, Nevada Water Resources Association, Las Vegas, Nev., February 1990, Program Information and Abstracts, unpaginated.
- Andraski, B.J., 1990c, Water movement and trench stability at a simulated arid burial site for low-level radioactive waste near Beatty, Nevada: La Grange Park, Ill., American Nuclear Society, Nuclear Waste Isolation in the Unsaturated Zone, Las Vegas, Nev., September 1989, Proceedings, p. 166-173.
- Andraski, B.J., 1991a, Balloon and core sampling for determining bulk density of an alluvial desert soil: Soil Science Society of America Journal, v. 55, p. 1188-1190.
- Andraski, B.J., 1991b, Soil-water regime at a low-level radioactive waste site, Amargosa Desert, Nevada: Characterization of Transport Phenomena in the Vadose Zone, A Workshop Sponsored by Soil Science Society of America and American Geophysical Union, Tucson, University of Arizona, April 1991, Proceedings, p. 2-3.
- Andraski, B.J., 1991c, Vegetation and land-disturbance effects on recharge potential, Amargosa Desert.

- Nevada [abs.]: 1991 Annual Meetings, American Society of Agronomy, Denver, Colo., October 1991, Agronomy Abstracts, p. 212.
- Andraski, B.J., 1992, Water movement through soil at a low-level radioactive-waste site in the Amargosa Desert: U.S. Geological Survey Yearbook, Fiscal Year 1991, p. 73-75.
- \*Andraski, B.J., 1994, Disturbance effects on soil properties and water balance at a low-level radioactive waste site, Amargosa Desert, Nevada [abs.]: 86th Annual Meeting, American Society of Agronomy, Seattle, November 1994, Agronomy Abstracts, v. 86, p. 227.
- Andraski, B.J., Fischer, J.M., and Prudic, D.E., 1991, Beatty, Nevada, in Trask, N.J., and Stevens, P.R., U.S. Geological Survey Research in radioactive waste disposal—Fiscal years 1986-90: U.S. Geological Survey Water-Resources Investigations Report 91-4084, p. 34-40.
- Andraski, B.J., and Lowery, Burt, 1992, Erosion effects on soil water storage, plant water uptake, and corn growth: Soil Science Society of America Journal, v. 56, no. 6, p. 1911-1919.
- \*Andraski, B.J., Prudic, D.E., and Nichols, W.D., 1995, Waste burial in arid environments—Application of information from a field laboratory in the Mojave Desert, southern Nevada: U.S. Geological Survey Fact Sheet FS-179-95, 4 p.
- Arteaga, F.E., 1978, Appraisal of water resources in the Fort McDermitt Indian Reservation, Humboldt County, Nevada: U.S. Geological Survey Open-File Report 78-139, 50 p.
- Arteaga, F.E., 1982, Mathematical model analysis of the Eagle Valley ground-water basin, west-central Nevada: U.S. Geological Survey Open-File Report 80-1224, 55 p.
- Arteaga, F.E., 1990, Cost effectiveness of the stream-gaging program in Nevada: U.S. Geological Survey Water-Resources Investigations Report 87-4213, 68 p.
- Arteaga, F.E., and Durbin, T.J., 1978 [1979], Development of a relation for steady-state pumping rate for Eagle Valley ground-water basin, Nevada: U.S. Geological Survey Open-File Report 79-261, 44 p.
- Arteaga, F.E., and Nichols, W.D., 1984, Hydrology of Washoe Valley, Washoe County, Nevada: U.S. Geological Survey Open-File Report 84-465, 29 p.
- Arteaga, F.E., Savard, C.S., Johnson, M.E., and Stone, J.C., 1991, Hydrogeologic data from selected wells and test holes in and adjacent to the Nevada Test Site, Nye County, Nevada, through 1986: U.S. Geological Survey Open-File Report 87-536, 23 p.
- \*Arteaga, F.E., Smith, J.L., and Harrill, J.R., 1995, Irrigated croplands, estimated pumpage, and water-level changes in Diamond Valley, Eureka and Elko Counties, Nevada, through 1990: U.S. Geological Survey Open-File Report 95-107, 68 p.
- August, M.H., Jacoboni, J.M., Jeton, A.E., Parker, R.S., Pupacko, Alex., Ruddy, B.C., Smith, J.L., and Redmond, K.T., 1992, Hydrologic and climatic data bases used to assess potential effects of climate change on water resources of American River, Carson River, and Truckee River Basins, California-Nevada, and of Gunnison River Basin, Colorado: U.S. Geological Survey Open-File Report 92-627, 72 p.
- \*August, M.H., and Long, Kati, 1994, Development of a data base to support the publication of the USGS Water Data report: Fifth Annual Conference, Nevada State GIS, Sparks, December 1994, Final Program, unpaginated.
- August, M.H., and Ruddy, B.C., 1992, Hydrologic and climatic data bases used to assess the potential effects of climate change on the water resources of the American, Carson, and Truckee River Basins, California-Nevada, and of Gunnison River Basin, Colorado [abs.], in Herrmann, Raymond, ed., Managing water resources during global change: 28th Annual Conference, American Water Resources Association, Reno, Nev., November 1992, Abstracts, p. 57.
- \*Bales, J.T., and Laney, R.L., 1992, Geohydrologic reconnaissance of Lake Mead National Recreation Area—Virgin River, Nevada, to Grand Wash Cliffs, Arizona: U.S. Geological Survey Water-Resources Investigations Report 91-4185, 29 p.
- \*Ball, J.W., and Nordstrom, D.K., 1985, Major and trace-element analyses of acid mine waters in the Leviathan Mine drainage basin, California/Nevada—October 1981 to October 1982: U.S. Geological Survey Water-Resources Investigations Report 85-4169, 46 p.
- \*Bauer, E.M., and Cartier, K.D., 1995, Reference manual for data base on Nevada well logs: U.S. Geological Survey Open-File Report 95-460, 31 p.
- \*Beck, D.A., and Glancy, P.A., 1995, Overview of runoff of March 11, 1995, in Fortymile Wash and Amargosa River, southern Nevada: U.S. Geological Survey Fact Sheet FS-210-95, 4 p.

- Bedinger, M.S., Harrill, J.R., Langer, W.H., Thomas, J.M., and Mulvihill, D.A., 1984a, Maps showing ground-water levels, springs, and depth to ground water, Basin and Range Province, Nevada: U.S. Geological Survey Water-Resources Investigations Report 83-4119-B, 2 sheets, scale 1:500,000.
- Bedinger, M.S., Harrill, J.R., and Thomas, J.M., 1984b, Maps showing ground-water units and withdrawal, Basin and Range Province, Nevada: U.S. Geological Survey Water-Resources Investigations Report 83-4119-A, 2 sheets, scale 1:500,000.
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- Bell, J.W., Watters, R.J., and Glancy, P.A., 1989, Engineering geology of the Reno-Lake Tahoe area, Nevada, in *Engineering geology of western United States urban centers* [for 28th International Geological Congress, July 1989]: Washington, D.C., American Geophysical Union, Field Trip Guidebook T181.
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- \*Benson, L.V., 1984, Hydrochemical data for the Truckee River drainage system, California and Nevada: U.S. Geological Survey Open-File Report 84-440, 35 p.
- \*Benson, L.V., 1986, The sensitivity of evaporation rate to climate change—Results of an energy balance approach: U.S. Geological Survey Water-Resources Investigations Report 86-4148, 77 p.
- \*Benson, L.V., 1988, Preliminary paleolimnologic data for the Walker Lake subbasin, California and Nevada: U.S. Geological Survey Water-Resources Investigations Report 87-4258, 50 p.
- \*Benson, L.V., 1991, Timing of the last high stand of Lake Lahontan: *Journal of Paleolimnology*, v. 5, p. 115-126.
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## INDEX

This index is based mainly on hydrographic area (HA) as defined by Rush (1968a). Following the hydrographic-area name is the hydrographic-area number (see figure 1), which can help differentiate valleys with the same name. For some areas, a county name is provided. In addition, headings are included for principal lakes, reservoirs, and river basins. Part numbers (see p. 2-3) are noted for major basins.

### Adobe Valley (HA 115)

Van Denburgh and Glancy, 1970

### Alkali Spring Valley (HA 142)

Meinzer, 1917; Rush, 1968b; Shamberger, 1982

### Alkali Valley (Mineral Co.; HA 111)

Van Denburgh and Glancy, 1970

### Amargosa Desert (HA 230)

Andraski, 1989, 1990a,b,c, 1991a,b,c, 1992, 1994; Andraski and others, 1991, 1995; Beck and Glancy, 1995; Bedinger and others, 1989; Beutner and Andraski, 1989; Brown and Nichols, 1990; Carson, 1979, 1980; Claassen, 1985, 1986; Coplen and others, 1990, 1993; Czarnecki, 1990a,b; Czarnecki and Wilson, 1991; Dettinger, 1989a, 1992; Dettinger and others, 1995; Dudley and Larson, 1976; Eakin and others, 1963; Edwards and others, 1993; Feth, 1966; Fischer, 1990, 1992; Fischer and Nichols, 1986; Galloway and Wilcoxon, 1993; Gee and others, 1994; Hale and Westenburg, 1995; Hanes, 1976; Hoffman, 1988; Hunt and Robinson, 1960; Johnson, 1993, 1994; Johnson and others, 1989; Kane and others, 1994; Kilroy, 1991; La Camera and Westenburg, 1994; Larson, 1974a,b, 1975; Lico, 1992a; Loeltz, 1960; Loeltz and Malmberg, 1961; Ludwig and others, 1992; Miller, 1977; Morgan and Fischer, 1984a,b; Nichols, 1982, 1987, 1990; Nichols and Akers, 1985; Oatfield and Czarnecki, 1990; Pabst and others, 1993; Prudic, 1994a,b; Prudic and others, 1995a; Prudic and Striegl, 1994, 1995; Pupacko and others, 1989c; Robinson and Beutner, 1975; Robison and others, 1988; Savard, 1995; Thomas and others, 1991; Walker and Eakin, 1963; Welch and Williams, 1987i; Westenburg, 1993; Winograd, 1963; Winograd and others, 1988, 1992; Winograd and Szabo, 1986; Winograd and Thordarson, 1975; Wood and Andraski, 1992, 1995; Wood and Fischer, 1991, 1992; Wood and others, 1992; Worts, 1963a

### Antelope Valley (Lander Co.; HA 57)

Crosthwaite, 1963; Eakin and Lamke, 1966; Waring, 1918

**Antelope Valley (Washoe Co.; HA 93)**

Rush and Glancy, 1967

**Antelope Valley (Lyon Co.; HA 106)**

Glancy, 1971b; Harrill and Nowlin, 1976; Lamke and Moore, 1965; Lico, 1992a; Nowlin, 1976, 1982; Rush and Hill, 1972; Thodal, 1989, 1992a; Welch and others, 1986, 1988; Welch and Williams, 1987e

**Antelope Valley (Eureka Co.; HA 151)**

Bunch and Harrill, 1984; Fiero and others, 1974; Loeltz and Malmberg, 1961; Prudic and others, 1995a; Rush and Everett, 1964; Schroder and others, 1971; Welch and Williams, 1986a

**Antelope Valley (Elko Co.; HA 186)**

Bedinger and others, 1990; Eakin and others, 1951a; Harrill, 1971; Loeltz and Malmberg, 1961; Snyder, 1963

**Bedell Flat (HA 94)**

Rush and Glancy, 1967

**Big Smoky Valley (HA 137)**

Bunch and Harrill, 1984; Fiero and others, 1974; Loeltz and Malmberg, 1961; Meinzer, 1916, 1917; Olmsted and others, 1973; Phoenix, 1949b; Prudic and others, 1995a; Robinson, 1953; Robinson and others, 1947; Rush and Schroer, 1970; Schroder and others, 1971; Shamberger, 1975; Welch and Williams, 1986a, 1987f

**Black Mountains Area (HA 215)**

Carpenter, 1915; Dettinger, 1992; Harbeck and others, 1958; Loeltz and Malmberg, 1961; Mendenhall, 1909; Pupacko and others, 1989c; Rush, 1968d; Smith and others, 1960; Thomas and others, 1991; Westenburg, 1995

**Black Rock Desert (HA 28)**

Benson and others, 1995; Benson and Paillet, 1989; Benson and Thompson, 1987a; Garcia and Jacoboni, 1991; Lao and Benson, 1988; Mariner and others, 1976; Olmsted, 1974; Olmsted and others, 1973, 1975; Russell, 1885; Sass and others, 1979; Schaefer and Maurer, 1980b, 1983; Schaefer and others, 1983; Sinclair, 1963c; Welch and Preissler, 1990; Welch and Williams, 1987b

**Boulder Flat (HA 61)**

Eakin and Lamke, 1966; Johnson, 1995; Loeltz, 1953; Nichols, 1994; Plume and Stone, 1992; Thomas and Lamke, 1962; Waring, 1918

**Boulder Valley (HA 15)**

Sinclair, 1963a

**Bradys Hot Springs Area (HA 75)**

Garcia and Jacoboni, 1991; Harrill, 1970b; Olmsted and others, 1973, 1975; Russell, 1885; Welch and Preissler, 1986

**Bruneau River Area (HA 38)**

Laird, 1964; Moore and Eakin, 1968; Riggs and Moore, 1965; Young and Lewis, 1982

**Buckboard Mesa (HA 227B)**

Dettinger, 1992; Dettinger and others, 1995; Mendenhall, 1909; Reiner and others, 1995; Robie and others, 1995; Rush, 1971; Sass and Lachenbruch, 1982; Squires and Young, 1984; Walker and Eakin, 1963; Welch and Williams, 1987g

**Buena Vista Valley (HA 129)**

Benson and Paillet, 1989; Benson and Thompson, 1987a; Blankennagel and Weir, 1973; Garcia and Jacoboni, 1991; Loeltz and Malmberg, 1961; Loeltz and Phoenix, 1955; Olmsted and others, 1973; Russell, 1885; Shamberger, 1973a; Welch and Williams, 1987c

**Buffalo Valley (HA 131)**

Dettinger, 1989b; Eakin and Lamke, 1966; Garcia and Jacoboni, 1991; Olmsted and others, 1973, 1975; Sass and others, 1976; Waring, 1918; Welch and Williams, 1987c; Williams and Bedinger, 1984

**Butte Valley (HA 178)**

Bunch and Harrill, 1984; Glancy, 1968b; Loeltz and Malmberg, 1961; Prudic and others, 1995a; Pupacko and others, 1989c; Savard and Crompton, 1993; Snyder, 1963; Welch and Williams, 1986b,c

**Cactus Flat (HA 148)**

Eakin and others, 1963; Rush, 1971; Schroder and others, 1971; Welch and Williams, 1987g

**California Wash Area (HA 218)**

Carpenter, 1915; Dettinger, 1992; Dettinger and others, 1995; Mendenhall, 1909; Rush, 1968d; Schaefer and Harrill, 1995; Thomas and others, 1991; Westenburg, 1995

**Carico Lake Valley (HA 55)**

Eakin and Lamke, 1966; Everett and Fish, 1966

**Carson Desert (HA 101)**

Benson and Paillet, 1989; Benson and Thompson, 1987a; Carman, 1989, 1993; Cloern and others, 1983a,b, 1987; Garcia and Jacoboni, 1991; Glancy, 1982, 1984a, 1986; Glancy and Katzer, 1976; Hallock and Hallock,

1993; Hoffman, 1989, 1994; Hoffman and others, 1990; Iversen and others, 1987; Kharaka and others, 1984; Lee and Clark, 1916; Lico, 1992a,b; Lico and others, 1986a, b, 1987, 1989b; Lico and Seiler, 1994; Maurer and others, 1994; Morgan, 1982; Nowlin and others, 1980; Olmsted, 1974, 1977, 1985; Olmsted and others, 1973, 1975, 1981, 1984; Oremland, 1983, 1994; Oremland and Des Marais, 1983; Oremland and others, 1982, 1985, 1989, 1990, 1991, 1994, 1995; Rowe, 1989; Rowe and Hoffman, 1990; Rowe and others, 1991; Rush, 1972b; Russell, 1885; Seiler, 1995; Seiler and Allander, 1993; Seiler and others, 1993; Seiler and Skorupa, 1995; Shamberger, 1973a; Smith and Klug, 1981a,b; Smith and Oremland, 1987; Steinberg and Oremland, 1990; Welch and Lico, 1986, 1988b; Welch and others, 1986, 1988, 1989; Welch and Plume, 1987; Welch and Preissler, 1986; Welch and Williams, 1987d; Whitehead and Feth, 1961; Zehr and others, 1987; Zohdy and others, 1977

### **Carson River Basin (Part 8)**

August and others, 1992; August and Ruddy, 1992; Benson and others, 1995; Bevans and Kilroy, 1991; Blodgett and others, 1984; Bohman, 1994; Bohman and others, 1995; Brown and others, 1986; Cobb and others, 1990; Dettinger and Jeton, 1992; Frick, 1987; Garcia and Carman, 1986; Glancy and Katzer, 1976; Glancy and others, 1984; Jeton, 1991, 1992a,b; Jeton and Smith, 1993a,b; Katzer, 1983; Katzer and Bennett, 1980; Kilroy, 1994; Lamke and Moore, 1965; Lawrence, 1994; Lawrence and Bevans, 1994; Matthai, 1975; Meder, 1984; Nowlin and others, 1980; Oremland and others, 1995; Pumphrey, 1955; Pupacko, 1991a,b, 1992a, 1993a,b; Seiler and Allander, 1993; Smith and Reece, 1995; Thomas and others, 1990b, 1993; Trionfante and Peltz, 1994; U.S. Geological Survey, 1954; Van Denburgh, 1973; Welch and Lico, 1988a; Welch and others, 1989, 1990; Welch and Plume, 1987; Whitney, 1994; Young and Harris, 1966

### **Carson Valley (HA 105)**

Arteaga, 1982; Ball and Nordstrom, 1985; Berger, 1987, 1990; Blodgett and others, 1984; Feth and others, 1964a,b; Garcia, 1989; Glancy and Katzer, 1975, 1976; Hammermeister and Walmsley, 1985; Harrill and others, 1983; Katzer, 1983; Katzer and Bennett, 1980; Lico, 1992a; Lico and Rowe, 1991; Loeltz and Malmberg, 1961; Maurer, 1984a, 1985, 1986, 1988a, 1990, 1992a,b; Maurer and Peltz, 1994; Meyer and Berger, 1992a,b; Nowlin and others, 1980; Oremland and others, 1995; Phoenix, 1949a; Piper, 1969; Prudic and Wood, 1995; Thodal, 1989, 1992a; Welch, 1994; Welch and others, 1986, 1988, 1989; Welch and Plume, 1987; Welch and Williams, 1987d,e

### **Cave Valley (HA 180)**

Bunch and Harrill, 1984; Carpenter, 1915; Dettinger and others, 1995; Dettinger and Schaefer, 1995; Eakin, 1962f, 1966; Pupacko and others, 1989c; Savard and Crompton, 1993; Schaefer and Harrill, 1995; Snyder, 1963; Thomas and others, 1991; Welch and Williams, 1986d

### **Churchill Valley (HA 102)**

Glancy and Katzer, 1976; Lico, 1992a; Maest and others, 1986; Nowlin and others, 1980; Oremland and others, 1995; Russell, 1885; Schaefer and Whitney, 1992; Seiler, 1993b; Thomas and Lawrence, 1994; Welch and others, 1989

### **Clayton Valley (HA 143)**

Bedinger and others, 1989; Dole, 1912; Feth, 1966; Meinzer, 1917; Mendenhall, 1909; Prudic and others, 1995a; Rush, 1968b; Shamberger, 1976; Welch and Williams, 1987g

### **Clover Valley (Elko Co.; HA 177)**

Eakin and others, 1951b; Loeltz and Malmberg, 1961; Olmsted and others, 1973; Prudic and others, 1995a; Snyder, 1963

### **Clover Valley (Lincoln Co.; HA 204)**

Carpenter, 1915; Phoenix, 1948; Rush, 1964; Thomas and others, 1991; Westenburg, 1995

### **Clovers Area (HA 64)**

Eakin and Lamke, 1966; Garcia and Jacoboni, 1991; Thomas and Lamke, 1962; Waring, 1918; Welch and Williams, 1987c

### **Coal Valley (HA 171)**

Bunch and Harrill, 1984; Carpenter, 1915; Dettinger and others, 1995; Eakin, 1963b, 1966; Savard and Crompton, 1993; Schaefer and Harrill, 1995; Snyder, 1963; Williams and Bedinger, 1984

### **Cold Spring Valley (HA 100)**

Rush and Glancy, 1967; Van Denburgh, 1981; Welch and Williams, 1987d

### **Coleman Valley (HA 11)**

Sinclair, 1963a

### **Colorado River Basin (Part 13)**

Gortsema, 1993; Graf, 1995; Hinderlider and others, 1905; Lamke and Moore, 1965; Owen-Joyce, 1987; Owen-Joyce and Wilson, 1994; Radtke and others, 1988; Westenburg, 1995; Wilson and Owen-Joyce, 1993, 1994

### **Colorado River Valley (HA 213)**

Bentley, 1979; Glancy and Harmsen, 1975; Laney, 1979, 1982; Mendenhall, 1909; Metzger and Loeltz, 1973; Moosburner, 1981, 1988; Rush and Huxel, 1966; Welch and Williams, 1987j; Westenburg, 1995; Worts, 1963b

### **Columbus Salt Marsh Valley (HA 118)**

Bedinger and others, 1989; Shamberger, 1978; Van Denburgh and Glancy, 1970; Williams and Bedinger, 1984

### **Continental Lake Valley (HA 2)**

Garcia and Jacoboni, 1991; Olmsted and others, 1973; Sinclair, 1963d

### **Cowkick Valley (HA 126)**

Cohen and Everett, 1963; Harrill and Hines, 1995; Olmsted and others, 1973; Shamberger, 1974

### **Coyote Spring Valley (HA 210)**

Berger, 1992b; Berger and others, 1988, 1990; Bunch and Harrill, 1984; Carpenter, 1915; Dettinger, 1989a, 1992; Dettinger and others, 1995; Eakin, 1964, 1966; Mendenhall, 1909; Schaefer and Harrill, 1995; Westenburg, 1995

### **Crater Flat (HA 229)**

Bedinger and others, 1989; Benson and others, 1983; Bentley and others, 1983; Coe and others, 1991; Dettinger, 1992; Dettinger and others, 1995; Eakin and others, 1963; Glancy, 1994; Hale and Westenburg, 1995; Kane and others, 1994; La Camera and Westenburg, 1994; Mendenhall, 1909; Pabst and others, 1993; Robison, 1984; Robison and others, 1988; Rush, 1971; Sass and Lachenbruch, 1982; Thordarson and Howells, 1987; Thordarson and others, 1984, 1985; Walker and Eakin, 1963; Whitfield and others, 1985

### **Crescent Valley (HA 54)**

Eakin and Lamke, 1966; Loeltz and Malmberg, 1961; Olmsted and others, 1973; Thomas and Lamke, 1962; Welch and Williams, 1987c; Zones, 1961b

### **Dayton Valley (HA 103)**

Arteaga, 1982; Carey, 1994; Dettinger, 1989b; Glancy and Katzer, 1976; Harrill and others, 1983, 1984, 1992; Harrill and Preissler, 1994; Lico, 1992a; Nowlin and others, 1980; Oremland and others, 1995; Russell, 1885; Schaefer, 1988a; Schaefer and others, 1984, 1986; Schaefer and Whitney, 1992; Shamberger, 1972a; Thomas and Lawrence, 1994; Welch and others, 1989; Welch and Plume, 1987; Welch and Williams, 1987d

### **Deep Creek Valley (HA 193)**

Crittenden, 1963; Gates and Kruer, 1981; Gilbert, 1890; Harrill, 1971; Hood and Waddell, 1969; Snyder, 1963

### **Delamar Valley (HA 182)**

Bunch and Harrill, 1984; Carpenter, 1915; Dettinger, 1992; Dettinger and others, 1995; Eakin, 1963a, 1966; Schaefer and Harrill, 1995; Snyder, 1963

### **Desert Valley (HA 31)**

Berger, 1995; Berger and Andraski, 1991; Garcia and Jacoboni, 1991; Russell, 1885; Sinclair, 1962b

### **Devils Hole**

Carson, 1979, 1980; Coplen and others, 1990, 1993; Dettinger, 1989a; Dettinger and others, 1995; Dudley and Larson, 1976; Edwards and others, 1993; Hale and Westenburg, 1995; Hanes, 1976; Hoffman, 1988; Johnson and others, 1989; La Camera and Westenburg, 1994; Larson, 1974a,b, 1975; Ludwig and others, 1992; Walker and Eakin, 1963; Westenburg, 1993; Winograd and others, 1988, 1992; Winograd and Szabo, 1986; Winograd and Thordarson, 1975; Worts, 1963a

### **Diamond Valley (HA 153)**

Arteaga and others, 1995; Dettinger, 1989b; Eakin, 1962b; Fiero and others, 1974; Harrill, 1968; Harrill and Worts, 1968; Loeltz and Malmberg, 1961; Prudic and others, 1995a; Pupacko and others, 1989c; Savard and Crompton, 1993; Schroder and others, 1971; Stuart, 1955; Welch and Williams, 1986a,c; Williams and Bedinger, 1984

### **Dixie Creek-Tenmile Creek Area (HA 48)**

Eakin and Lamke, 1966; Rush and Everett, 1966a; Thomas and Lamke, 1962

### **Dixie Valley (HA 128)**

Bell and Katzer, 1987; Cohen and Everett, 1963; Garcia and Jacoboni, 1991; Harrill and Hines, 1995; Harrill and others, 1983; Loeltz and Malmberg, 1961; Mariner and others, 1976; Olmsted and others, 1973; Robbins and others, 1985; Schaefer, 1983, 1988a; Schaefer and others, 1984; Shamberger, 1974; Welch and Williams, 1987c,d; Williams and Bedinger, 1984; Zones, 1957

### **Dodge Flat (HA 82)**

Garcia and Jacoboni, 1991; La Camera and others, 1985; Russell, 1885; Van Denburgh and others, 1973; Whitehead and Feth, 1961

### **Dry Lake Valley (HA 181)**

Bunch and Harrill, 1984; Carpenter, 1915; Dettinger and others, 1995; Eakin, 1963a, 1966; Savard and Crompton, 1993; Schaefer and Harrill, 1995; Snyder, 1963

**Dry Valley (Washoe Co.; HA 19)**

Benson and others, 1995; Glancy and Rush, 1968; Handman and others, 1990

**Dry Valley (Washoe Co.; HA 95)**

Rush and Glancy, 1967

**Dry Valley (Lincoln Co.; HA 198)**

Carpenter, 1915; Phoenix, 1948; Rush, 1964; Snyder, 1963; Westenburg, 1995

**Duck Lake Valley (HA 16)**

Dettinger, 1989b; Garcia and Jacoboni, 1991; Sinclair, 1963b

**Eagle Valley (Carson City; HA 104)**

Arteaga, 1982; Arteaga and Durbin, 1978; Feth and others, 1964a,b; Fischer, 1988; Glancy and Katzer, 1976; Katzer, 1980, 1986a; Katzer and Schroer, 1981, 1986; Lico, 1992a; Maurer, 1984b, 1988b; Maurer and Fischer, 1988; Maurer and Myers, 1988; Maurer and Timian-Palmer, 1989; Nowlin and others, 1980; Oremland and others, 1995; Prudic and others, 1995b; Ronan and others, 1995; Shamberger, 1972a; Welch, 1994; Welch and others, 1989; Welch and Plume, 1987; Welch and Williams, 1987d; Worts and Malmberg, 1966

**Eagle Valley (Lander Co.; HA 200)**

Carpenter, 1915; Phoenix, 1948; Rush, 1964; Snyder, 1963; Westenburg, 1995

**Eastgate Valley Area (HA 127)**

Cohen and Everett, 1963; Harrill and Hines, 1995; Olmsted and others, 1973

**East Walker Area (HA 109)**

Glancy, 1971b; Whitehead and Feth, 1961

**Edwards Creek Valley (HA 133)**

Everett, 1964a; Williams and Bedinger, 1984

**Eldorado Valley (HA 167)**

Bedinger and others, 1989; Dettinger and others, 1995; Mendenhall, 1909; Rush and Huxel, 1966; Welch and Williams, 1987j

**Elko Segment (HA 49)**

Berger and others, 1990; Eakin and Lamke, 1966; Eakin and others, 1951a; Loeltz and Malmberg, 1961; Olmsted and others, 1973; Schaefer, 1988b; Thomas and Lamke, 1962; Welch and Williams, 1986b

**Emigrant Valley (HA 158)**

Bedinger and others, 1989; Dettinger, 1992; Dettinger and others, 1995; Eakin and others, 1963; Mendenhall, 1909; Rush, 1971; Williams and Bedinger, 1984; Winograd and Thordarson, 1975

**Escalante Desert (HA 197)**

Glancy and Van Denburgh, 1969; Snyder, 1963

**Fairview Valley (HA 124)**

Cohen and Everett, 1963; Harrill and Hines, 1995; Olmsted and others, 1973; Schaefer, 1988a; Schaefer and others, 1984; Shamberger, 1973b; Welch and Williams, 1987d; Zones, 1957

**Fernley Area (HA 76)**

Garcia and Jacoboni, 1991; Hallock and Hallock, 1993; Lico, 1989, 1992a,b; Nowlin and others, 1980; Rowe and others, 1991; Russell, 1885; Sinclair and Loeltz, 1963; Van Denburgh and Arteaga, 1985; Van Denburgh and others, 1973; Welch and Williams, 1987d; Whitehead and Feth, 1961

**Fireball Valley (HA 77)**

Garcia and Jacoboni, 1991; Harrill, 1970b; Olmsted and others, 1973

**Fish Lake Valley (HA 117)**

Bedinger and others, 1989; Dettinger, 1989b; Eakin, 1950; Loeltz and Malmberg, 1961; Mendenhall, 1909; Rush and Katzer, 1973; Shamberger, 1976, 1978; Smith and others, 1990; Welch and Williams, 1987g

**Fortymile Canyon (HA 227)**

Benson and others, 1983; Christensen and Spahr, 1980; Coe and others, 1991; Craig and Robison, 1984; Czarnecki, 1991; Dettinger, 1992; Dettinger and others, 1995; Eakin and others, 1963; Erickson and Waddell, 1985; Glancy, 1994; Hale and Westenburg, 1995; Kane and others, 1994; La Camera and Westenburg, 1994; Lahoud and others, 1984; Lobmeyer and others, 1983; Mendenhall, 1909; Pabst and others, 1993; Reiner and others, 1995; Robie and others, 1995; Robison, 1984; Robison and others, 1988; Rush, 1971; Rush and others, 1983, 1984; Sass and Lachenbruch, 1982; Savard, 1994; Squires and Young, 1984; Thordarson, 1983; Waddell, 1985; Walker and Eakin, 1963; Welch and Williams, 1987g,i; White and Chuma, 1987; Whitfield and others, 1984, 1985; Winograd and Thordarson, 1975; Young, 1972

**Frenchman Flat (HA 160)**

Bedinger and others, 1989; Carpenter, 1915; Dettinger, 1989a, 1992; Dettinger and others, 1995; Eakin and others, 1963; Kane and others, 1994; Mendenhall, 1909; Pabst and others, 1993; Reiner and others, 1995; Robie and others, 1995; Rush, 1971; Sass and Lachenbruch, 1982; Winograd and Thordarson, 1975

**Gabbs Valley (HA 122)**

Dettinger, 1989b; Eakin, 1962d; Shamberger, 1972b

**Garden Valley (HA 172)**

Bunch and Harrill, 1984; Carpenter, 1915; Dettinger and others, 1995; Dettinger and Schaefer, 1995; Eakin, 1963b, 1966; Savard and Crompton, 1993; Schaefer and Harrill, 1995; Snyder, 1963

**Garfield Flat (HA 120)**

Van Denburgh and Glancy, 1970; Williams and Bedinger, 1984

**Garnet Valley (Dry Lake Valley; HA 216)**

Carpenter, 1915; Dettinger, 1992; Dettinger and others, 1995; Mendenhall, 1909; Rush, 1968d; Schaefer and Harrill, 1995; Westenburg, 1995

**Gold Butte Area (HA 223)**

Bales and Laney, 1992; Carpenter, 1915; Harbeck and others, 1958; Mendenhall, 1909; Rush, 1968d; Smith and others, 1960; Westenburg, 1995

**Gold Flat (HA 147)**

Blankennagel and Weir, 1973; Dettinger and others, 1995; Eakin and others, 1963; Mendenhall, 1909; Rush, 1971; Williams and Bedinger, 1984

**Goose Creek Area (HA 41)**

Laird, 1964; Moore and Eakin, 1968

**Goshute Valley (HA 187)**

Eakin and others, 1951a; Loeltz and Malmberg, 1961; Snyder, 1963

**Granite Basin (HA 23)**

Garcia and Jacoboni, 1991; Russell, 1885; Sinclair, 1963c; Welch and Preissler, 1990

**Granite Springs Valley (HA 78)**

Garcia and Jacoboni, 1991; Harrill, 1970b; Shamberger, 1972c; Welch and Williams, 1987b; Williams and Bedinger, 1984

**Grapevine Canyon (HA 231)**

Dettinger and others, 1995; Mendenhall, 1909; Rush, 1968b

**Grass Valley (Pershing Co.; HA 71)**

Cohen, 1962c, 1963a, 1964a; Eakin and Lamke, 1966; Garcia and Jacoboni, 1991; Harrill and Worts, 1968; Loeltz and Malmberg, 1961; Olmsted and others, 1973, 1975; Robinson and others, 1948; Russell, 1885; Sass and others, 1976; Welch and others, 1981, 1983; Welch and Williams, 1987c

**Grass Valley (Lander Co.; HA 138)**

Everett and Rush, 1966; Fiero and others, 1974; Loeltz and Malmberg, 1961; Welch and Williams, 1986c

**Greasewood Basin (HA 224)**

Bales and Laney, 1992; Mendenhall, 1909; Rush, 1968d; Westenburg, 1995

**Great Salt Lake Desert (HA 192)**

Bedinger and others, 1989; Benson and others, 1990, 1992; Crittenden, 1963; Gates and Kruer, 1981; Gilbert, 1890; Harrill, 1971; Prudic and others, 1995a; Stevens and Hood, 1973

**Gridley Lake Valley (HA 3)**

Garcia and Jacoboni, 1991; Sinclair, 1963d

**Groom Lake Valley (HA 158A)**

Bedinger and others, 1989; Dettinger and others, 1995; Mendenhall, 1909; Rush, 1971; Williams and Bedinger, 1984

**Grouse Creek Valley (HA 190)**

Hood and Price, 1970; Rush, 1968c

**Guano Valley (HA 6)**

Sinclair, 1963a

**Hamlin Valley (HA 196)**

Crittenden, 1963; Gates and Kruer, 1971; Gilbert, 1890; Hood and Rush, 1965; Pupacko and others, 1989c; Snyder, 1963; Welch and Williams, 1966d

**Hardscrabble Area (HA 68)**

Eakin and Lamke, 1966; Garcia and Jacoboni, 1991

**Hidden Valley (north; HA 217)**

Berger, 1992b; Berger and others, 1987; Carpenter, 1915; Dettinger, 1992; Dettinger and others, 1995; Mendenhall, 1909; Rush, 1968d; Schaefer and Harrill, 1995; Westenburg, 1995

### **Hidden Valley (south; HA 166)**

Dettinger, 1989a, 1992; Dettinger and others, 1995; Glancy, 1968a; Mendenhall, 1909

### **High Rock Lake Valley (HA 25)**

Garcia and Jacoboni, 1991; Sinclair, 1963c; Welch and Preissler, 1990

### **Honey Lake Valley (HA 97)**

Benson and others, 1995; Benson and Paillet, 1989; Benson and Thompson, 1987a; Handman, 1988, 1990, 1992; Handman and others, 1990; Rockwell, 1993; Rush and Glancy, 1967; Russell, 1885; Young and Harris, 1966

### **Hot Creek Valley (HA 156)**

Bunch and Harrill, 1984; Dinwiddie and Schroder, 1971; Eakin and Maxey, 1951; Fiero and others, 1974; Loeltz and Malmberg, 1961; Olmsted and others, 1973; Prudic and others, 1995a; Reiner and others, 1995; Robie and others, 1995; Rush and Everett, 1966b; Schroder and others, 1971; Welch and Williams, 1987f; Williams and Bedinger, 1984

### **Hualapai Flat (HA 24)**

Garcia and Jacoboni, 1991; Harrill, 1969; Harrill and Worts, 1968; Olmsted and others, 1973, 1975; Russell, 1885; Sinclair, 1962c; Welch and Preissler, 1990; Welch and Williams, 1987b

### **Humboldt River Basin (Part 4)**

Benson and others, 1995; Cohen, 1961b,c,d, 1962c,e, 1963a,b, 1964b, 1966; Cohen and others, 1965; Crompton, 1995; Eakin, 1962a; Eakin and Lamke, 1966; Lamke and Moore, 1965; Prudic and others, 1995a; Robinson and others, 1948; Rush and Rice, 1972; Seiler, 1995; Seiler and others, 1993; Seiler and Skorupa, 1995; Waring, 1918

### **Huntington Valley (HA 47)**

Eakin and Lamke, 1966; Loeltz and Malmberg, 1961; Pupacko and others, 1989c; Rush and Everett, 1966a; Snyder, 1963; Thomas and Lamke, 1962; Welch and Williams, 1986b

### **Huntoon Valley (HA 113)**

Van Denburgh and Glancy, 1970; Williams and Bedinger, 1984

### **Imlay Area (HA 72)**

Duffrin and others, 1985; Eakin, 1962a; Eakin and Lamke, 1966; Garcia and Jacoboni, 1991; Olmsted and Van Denburgh, 1974; Russell, 1885; Schaefer, 1986; Thomas and Lamke, 1962

### **Independence Valley (Pequop Valley; HA 36)**

Dettinger, 1989b; Eakin, 1962c; Eakin and others, 1951b; Laird, 1964; Loeltz and Malmberg, 1961; Moore and Eakin, 1968; Prudic and others, 1995a; Riggs and Moore, 1965; Thomas and Lamke, 1962; Welch and Williams, 1987a; Young and Lewis, 1982

### **Indian Springs Valley (HA 161)**

Bedinger and others, 1989; Carpenter, 1915; Dettinger, 1989a, 1992; Dettinger and others, 1995; Eakin and others, 1963; Maxey and Jameson, 1946, 1948; Maxey and Robinson, 1947; Mendenhall, 1909; Reiner and others, 1995; Robie and others, 1995; Rush, 1971; Thomas and others, 1991; Winograd and Thordarson, 1975

### **Ione Valley (HA 135)**

Everett and Rush, 1964

### **Ivanpah Valley (HA 164)**

Dettinger, 1992; Dettinger and others, 1995; Glancy, 1968a; Mendenhall, 1909; Waring, 1921

### **Jackass Flats (HA 227A)**

Benson and others, 1983; Christensen and Spahr, 1980; Coe and others, 1991; Craig and Robison, 1984; Dettinger, 1992; Dettinger and others, 1995; Eakin and others, 1963; Erickson and Waddell, 1985; Glancy, 1994; Hale and Westenburg, 1995; Kane and others, 1994; La Camera and Westenburg, 1994; Lahoud and others, 1984; Lobmeyer and others, 1983; Mendenhall, 1909; Pabst and others, 1993; Robison, 1984; Robison and others, 1988; Rush, 1971; Rush and others, 1973, 1984; Sass and Lachenbruch, 1982; Squires and Young, 1984; Thordarson, 1983; Walker and Eakin, 1963; Welch and Williams, 1987i; Whitfield and others, 1984, 1985; Winograd and Thordarson, 1975; Young, 1972

### **Jakes Valley (HA 174)**

Bunch and Harrill, 1984; Dettinger and others, 1995; Eakin, 1966; Loeltz and Malmberg, 1961; Plume, 1988b; Prudic and others, 1995a; Pupacko and others, 1989c; Savard and Crompton, 1993; Snyder, 1963; Williams and Bedinger, 1984

**Jarbidge River Area (HA 39)**

Laird, 1964; Moore and Eakin, 1968; Riggs and Moore, 1965; Young and Lewis, 1982

**Jean Lake Valley (HA 165)**

Dettinger, 1992; Glancy, 1968a; Mendenhall, 1909

**Jersey Valley (HA 132)**

Cohen and Everett, 1963; Garcia and Jacoboni, 1991; Harrill and Hines, 1995; Olmsted and others, 1973; Welch and Williams, 1987c

**Kane Springs Valley (HA 206)**

Carpenter, 1915; Dettinger, 1992; Dettinger and others, 1995; Eakin, 1964, 1966; Welch and Williams, 1987h; Westenburg, 1995

**Kawich Valley (HA 157)**

Blankennagel and Weir, 1973; Dettinger and others, 1995; Eakin and Maxey, 1951; Eakin and others, 1963; Mendenhall, 1909; Prudic and others, 1995a; Rush, 1971; Welch and Williams, 1987g; Williams and Bedinger, 1984

**Kelly Creek Area (HA 66)**

Eakin and Lamke, 1966; Garcia and Jacoboni, 1991; Loeltz and Malmberg, 1961; Thomas and Lamke, 1962; Welch and Williams, 1987a,c

**Kings River Valley (HA 30)**

Garcia and Jacoboni, 1991; Harrill and Worts, 1968; Loeltz and Malmberg, 1961; Malmberg and Worts, 1966; Nichols, 1994; Russell, 1885; Zones, 1963

**Kobeh Valley (HA 139)**

Bunch and Harrill, 1984; Fiero and others, 1974; Loeltz and Malmberg, 1961; Rush and Everett, 1964; Schroder and others, 1971; Welch and Williams, 1986a

**Kumiva Valley (HA 79)**

Garcia and Jacoboni, 1991; Harrill, 1970b; Williams and Bedinger, 1984

**Lahontan Reservoir**

Katzer, 1971; Lamke and Moore, 1965

**Lake Lahontan (of Pleistocene age)**

Benson, 1978, 1991, 1993; Benson and Miffiin, 1986; Benson and others, 1990, 1992; Cohen, 1962e; Hostetler and Benson, 1990b; Morrison, 1961; Russell, 1885; Williams and Bedinger, 1984

**Lake Mead**

Dettinger and others, 1995; Graf, 1995; Harbeck and others, 1958; Lamke and Moore, 1965; Moosburner, 1981, 1988; Rush, 1968d; Smith and others, 1960; Thomas, 1954

**Lake Subarea (Walker Lake; HA 110B)**

Benson, 1988; Everett and Rush, 1967; Robinson, 1951; Rush, 1970; Schaefer, 1980; Thomas, 1995; U.S. Geological Survey, 1954; Whitehead and Feth, 1961

**Lake Tahoe Basin (HA 90)**

Bell and others, 1989; Blodgett and others, 1984; Cartier and others, 1992, 1994, 1995; Crippen and Pavelka, 1970; Feth and others, 1964a,b; Garcia, 1988; Glancy, 1969, 1971a, 1973, 1976a,b, 1977, 1978; Harrill, 1977a, 1986c; Jorgensen and others, 1978; Katzer and Glancy, 1978, 1986; La Camera and Browning, 1988; La Camera and others, 1985; Lamke and Moore, 1965; Lico, 1992a; Nowlin and others, 1980; Peltz and others, 1994c; Pupacko, 1992b; Rowe, 1993, 1994, 1995; Rush, 1973a; Rush and others, 1972; Shamberger, 1972a; Thodal, 1992b, 1995; U.S. Geological Survey, 1954; Welch and Williams, 1987d; Young and Harris, 1966

**Lake Valley (HA 183)**

Bunch and Harrill, 1984; Carpenter, 1915; Loeltz and Malmberg, 1961; Pupacko and others, 1989c; Rush and Eakin, 1963; Savard and Crompton, 1993; Snyder, 1963; Thomas and others, 1991; Welch and Williams, 1986d, 1987h

**Lamoille Valley (HA 45)**

Eakin and Lamke, 1966; Thomas and Lamke, 1962

**Las Vegas Valley (HA 212)**

Bedinger and others, 1989; Bevans and Kilroy, 1991; Blackstun, 1991; Blackstun and Cox, 1990; Burbey, 1987, 1991, 1993b, 1995b; Carlsen and others, 1991; Carpenter, 1915; Dettinger, 1987a, 1989a, 1992; Dettinger and others, 1995; Eakin and others, 1963; Emme and Prudic, 1991; Glancy and Whitney, 1986, 1989; Gortsema, 1993; Harrill, 1972, 1973b, 1974, 1976a,b, 1977b; Harrill and Katzer, 1980; Harrill and others, 1983; Harrill and Worts, 1968; Holzer, 1978; Katzer, 1977, 1982, 1986b,c; Katzer and others, 1976, 1985; Katzer and Squires, 1984; Kilroy, 1994; Lawrence, 1994; Livingston, 1941; Loeltz, 1952, 1963a; Loeltz and Malmberg, 1961; Malmberg, 1961, 1964, 1965; Maurer, 1989; Maxey and Jameson, 1945, 1946, 1948; Maxey and Robinson, 1947; Mendenhall, 1909; Morgan and Dettinger, 1994; Nichols and Davis, 1979; Plume, 1985b, 1989; Prudic and others, 1995a; Robinson and others, 1947; Rush, 1971; Schaefer and others, 1992; Thomas and others, 1991; Van Denburgh and others,

1982; Westenburg, 1995; Whitney and others, 1988; Winograd, 1963; Winograd and Thordarson, 1975; Wood, 1979, 1988a,b, 1991a,b

#### **Lemmon Valley (HA 92)**

Dettinger, 1989b; Harrill, 1973a; Lico, 1992a; Rush and Glancy, 1967; Schaefer and Maurer, 1980a, 1981a,b; Williams and Bedinger, 1984

#### **Lida Valley (HA 144)**

Mendenhall, 1909; Rush, 1968b; Shamberger, 1982

#### **Little Fish Lake Valley (HA 150)**

Dinwiddie and Schroder, 1971; Fiero and others, 1974; Olmsted and others, 1973; Rush and Everett, 1966b; Schroder and others, 1971; Welch and Williams, 1986c; Williams and Bedinger, 1984

#### **Little Humboldt Valley (HA 67)**

Eakin and Lamke, 1966; Garcia and Jacoboni, 1991; Welch and Williams, 1987a

#### **Little Owyhee River Area (HA 34)**

Garcia and Jacoboni, 1991; Laird, 1964; Moore and Eakin, 1968; Young and Lewis, 1982

#### **Little Smoky Valley (HA 155)**

Bunch and Harrill, 1984; Dinwiddie and Schroder, 1971; Olmsted and others, 1973; Prudic and others, 1995a; Pupacko and others, 1989c; Rush and Everett, 1966b; Savard and Crompton, 1993; Snyder, 1963

#### **Long Valley (White Pine Co.; HA 175)**

Bunch and Harrill, 1984; Dettinger and others, 1995; Eakin, 1961b, 1966; Loeltz and Malmberg, 1961; Prudic and others, 1995a; Pupacko and others, 1989c; Snyder, 1963

#### **Long Valley (Washoe Co.; HA 9)**

Loeltz and Malmberg, 1961; Sinclair, 1963a

#### **Lovelock Valley (HA 73)**

Duffrin and others, 1985; Eakin and Lamke, 1966; Everett and Rush, 1965; Garcia and Jacoboni, 1991; Loeltz and Malmberg, 1961; Robinson and Fredericks, 1946; Russell, 1885; Schaefer, 1986; Seiler and others, 1993; Shamberger, 1973a; Welch and Williams, 1987b

#### **Lower Meadow Valley Wash (HA 205)**

Carpenter, 1915; Dettinger, 1992; Dettinger and others, 1995; Dettinger and Schaefer, 1995; Gortsema, 1993; Mendenhall, 1909; Phoenix, 1948; Rush, 1964; Snyder, 1963; Thomas and others, 1991; Welch and Williams, 1987h; Westenburg, 1995

#### **Lower Moapa Valley (HA 220)**

Carpenter, 1915; Dettinger, 1992; Gortsema, 1993; Loeltz and Malmberg, 1961; Mendenhall, 1909; Rush, 1968d; Schaefer, 1993b; Westenburg, 1995

#### **Lower Reese River Valley (HA 59)**

Eakin and Lamke, 1966; Olmsted and others, 1973; Thomas and Lamke, 1962; Waring, 1918

#### **Macy Flat (HA 10)**

Sinclair, 1963a

#### **Maggie Creek Area (HA 51)**

Eakin and Lamke, 1966; Johnson, 1995; Loeltz and Malmberg, 1961; Plume, 1995; Plume and Stone, 1992; Thomas and Lamke, 1962

#### **Marlette Lake**

Rush and others, 1972

#### **Marys Creek Area (HA 52)**

Eakin and Lamke, 1966; Lico, 1992a; Plume, 1995; Thomas and Lamke, 1962

#### **Marys River Area (HA 42)**

Eakin and Lamke, 1966; Loeltz and Malmberg, 1961; Riggs and Moore, 1965; Thomas and Lamke, 1962

#### **Mason Valley (HA 108)**

Huxel and Harris, 1969; Loeltz and Malmberg, 1961; Olmsted and others, 1973; Russell, 1885; Seitz and others, 1982; Welch and Williams, 1987d

#### **Massacre Lake Valley (HA 8)**

Sinclair, 1963a

#### **Meadow Valley Wash. See Lower Meadow Valley Wash**

#### **Mercury Valley (HA 225)**

Carpenter, 1915; Dettinger, 1989a, 1992; Hale and Westenburg, 1995; Kane and others, 1994; La Camera and Westenburg, 1994; Mendenhall, 1909; Pahst and others, 1993; Reiner and others, 1995; Robie and others, 1995; Rush, 1971; Walker and Eakin, 1963; Welch and Williams, 1987i; Winograd and Thordarson, 1975

#### **Mesquite Valley (Sandy Valley; HA 163)**

Dettinger, 1989b, 1992; Dettinger and others, 1995; Glancy, 1968a; Mendenhall, 1909; Waring, 1921

### **Middle Reese River Valley (HA 58)**

Crosthwaite, 1963; Eakin and Lamke, 1966; Waring, 1918; Welch and Williams, 1987c

### **Monitor Valley (HA 140)**

Bunch and Harrill, 1984; Dinwiddie and Schroder, 1971; Fiero and others, 1974; Loeltz and Malmberg, 1961; Olmsted and others, 1973; Rush and Everett, 1964; Schroder and others, 1971; Welch and Williams, 1986a, 1987f; Williams and Bedinger, 1984

### **Mono Valley (HA 112)**

Van Denburgh and Glancy, 1970

### **Monte Cristo Valley (HA 136)**

Van Denburgh and Glancy, 1970; Williams and Bedinger, 1984

### **Mosquito Lake Valley (HA 12)**

Sinclair, 1963a

### **Muddy River Springs Area (Upper Moapa Valley; HA 219)**

Berger, 1992b; Berger and others, 1988; Bunch and Harrill, 1984; Carpenter, 1915; Dettinger, 1989a, 1992; Dettinger and others, 1995; Eakin, 1964, 1966; Eakin and Moore, 1964; Gortsema, 1993; Mendenhall, 1909; Pupacko and others, 1989c; Schaefer, 1993b; Thomas and others, 1991; Westenburg, 1995

### **Mud Meadow (HA 26)**

Garcia and Jacoboni, 1991; Olmsted and others, 1973, 1975; Russell, 1885; Sinclair, 1963c; Welch and Preissler, 1990

## **Nevada**

**Central:** Larson and Weir, 1969; Mariner and others, 1974, 1975

**East-central:** Savard, 1988, 1989

**Eastern:** Dettinger, 1988; Dettinger and others, 1990; Plume, 1984, 1985a; Thomas and others, 1990a; U.S. Department of the Interior, 1985; Welch and Thomas, 1984

**North-central:** Nichols, 1988

**Northeastern:** Haines and others, 1949

**Northern:** Hose and Taylor, 1974; Mariner and others, 1974, 1975, 1983; Nichols, 1993

**Northwestern:** Berger, 1992a

**South-central:** Eakin and Winograd, 1965; Grove and others, 1969; Winograd and Eakin, 1965

**Southeastern:** Brown, 1976; Eakin, 1965a,b

**Southern:** Dettinger, 1987b; Milne and others, 1987; Robertson, 1991; Thomas, 1988, 1993; U.S. Department of the Interior, 1985

**Statewide:** Arteaga, 1990; Bedinger and others, 1983, 1984a,b; Benson, 1978; Bostic and others, 1991; Burbey and Prudic, 1985; Burkham, 1988; Cardinali and others, 1968; Chandler, 1905; Crompton and others, 1989; Crompton and Swartwood, 1990; Dettinger, 1990; Dettinger and Van Denburgh, 1988; Eakin and others, 1976; Emmett and others, 1994; Everett, 1964b; Feth, 1961, 1965, 1966; Feth and Barnes, 1979; Feth and others, 1965; Flagg and others, 1985; Foglesong, 1991, 1993, 1995; Frick and Carman, 1990; Frisbie and others, 1983, 1985a,b,c; Gale, 1914; Garcia and others, 1992; Harrill, 1984, 1986a; Harrill and others, 1983, 1988a,b; Harrill and Worts, 1968; Hess and others, 1993; Hidaka, 1977; Katzer and others, 1984b; Kilroy, 1989; Lamke, 1963, 1964, 1965, 1966, 1967, 1969, 1970, 1971; Lamke and Moore, 1965; McBeth, 1986; Mifflin and Harrill, 1981; Moore, 1965, 1970, 1974, 1976; Moosburner, 1976, 1977, 1978, 1986; Moosburner and Harrill, 1985; Moosburner and others, 1991; Morros and Shamberger, 1989; Newell, 1891; Nichols, 1992c; Nowlin, 1986; Olmsted, 1977; Olmsted and others, 1986; Planert and Williams, 1995; Plume and Carlton, 1988; Pupacko and others, 1988, 1989a,b, 1990; Rantz and Eakin, 1972; Rantz and Moore, 1965; Robinson, 1549, 1952a; Rush, 1968a, 1973b; 1974; Rush and others, 1971; Schaefer, 1993a; Schroer and Moosburner, 1978; Scott and others, 1971; Seiler, 1993a; Shamberger, 1962, 1991; Smales and Harrill, 1971; Snyder and others, 1964; Stabler, 1894; Thomas, 1964; Thomas and Hoffman, 1988; Thomas and others, 1986; Thompson and Chappell, 1984; U.S. Geological Survey, 1954, 1962, 1962-65, 1966-75, 1967, 1971, 1975, 1976-82, 1979, 1984, 1995; Vasey and others, 1972

**West-central:** Hughes and others, 1989; Lawrence and Whitney, 1990; Lico and others, 1989a; Olmsted and Ingebritsen, 1986; Olmsted and others, 1981

**Western:** Glancy, 1984b; Welch and Olmsted, 1984

## **Nevada Test Site**

Cole and others, 1991; Arteaga and others, 1991; Bedinger and others, 1989; Blankennagel and Weir, 1973; Carman, 1994; Christensen and Spahr, 1980; Claassen, 1973; Clebsch, 1961; Dettinger, 1989a; Doty and Thordarson, 1983; Eakin and others, 1963; Glanzman, 1992; Hale and others, 1995; Hale and Trudeau, 1993; Hawkins and others, 1990, 1993; Hoover and Trudeau, 1987; Kane and others, 1994; Lobmeyer and others, 1983; Pabst and others, 1993; Prudic and others, 1995a; Purtyman and others, 1969; Reiner and others, 1995; Robie and others, 1995; Rush, 1971; Sass and Lachenbruch, 1982; Scott, 1990, 1991; Scott and Morgan, 1992; Squires and Young, 1984; Thordarson and Robinson, 1971; Unger, 1995; Wardell, 1982; Winograd, 1962, 1963, 1970; Winograd and Doty, 1980; Winograd and Thordarson, 1968, 1975; Wood, 1992; Young, 1972

**Newark Valley (HA 154)**

Bunch and Harrill, 1984; Eakin, 1960; Loeltz and Malmberg, 1961; Plume, 1988b; Prudic and others, 1995a; Pupacko and others, 1989c; Savard and Crompton, 1993; Snyder, 1963; Welch and Williams, 1986c; Williams and Bedinger, 1984

**Newcomb Lake Valley (HA 96)**

Rush and Glancy, 1967

**North Fork Area (HA 44)**

Eakin and Lamke, 1966; Thomas and Lamke, 1962

**Northern Part (Big Smoky Valley; HA 137B)**

Meinzer, 1916, 1917

**Oasis Valley (HA 228)**

Blankennagel and Weir, 1973; Dettinger and others, 1995; Eakin and others, 1963; Malmberg and Eakin, 1962, 1964; Mendenhall, 1909; Reiner and others, 1995; Robie and others, 1995; Welch and Williams, 1987i; White, 1979; White and Chuma, 1987; Winograd and Thordarson, 1975

**Oriental Wash (HA 232)**

Mendenhall, 1909; Rush, 1968b; Shamberger, 1982

**Orovada Subarea (HA 33A)**

Garcia and Jacoboni, 1991; Huxel and others, 1966; Loeltz, 1963b; Visher, 1957

**Owyhee River Area (HA 37)**

Laird, 1964; Moore and Eakin, 1968; Riggs and Moore, 1965; Thomas and Lamke, 1962; Young and Lewis, 1982

**Pahrnagat Valley (HA 209)**

Carpenter, 1915; Dettinger, 1992; Dettinger and others, 1995; Eakin, 1963c, 1966; Loeltz and Malmberg, 1961; Prudic and others, 1995a; Pupacko and others, 1989c; Savard and Crompton, 1993; Snyder, 1963; Thomas and others, 1991; Welch and Williams, 1987h; Westenburg, 1995; Winograd and Thordarson, 1975

**Pahroc Valley (HA 208)**

Bunch and Harrill, 1984; Carpenter, 1915; Dettinger and others, 1995; Eakin, 1963c, 1966; Schaefer and Harrill, 1995; Snyder, 1963; Westenburg, 1995

**Pahrump Valley (HA 162)**

Bedinger and others, 1989; Carpenter, 1915; Dettinger, 1989a, 1992; Dettinger and others, 1995; Harrill, 1986b; Harrill and Worts, 1968; Hughes, 1966; Loeltz and Malmberg, 1961; Malmberg, 1967; Maxey and Jameson, 1948; Maxey and Robinson, 1947; Mendenhall, 1909; Peltz and others, 1994a,b; Prudic and others, 1995a; Robinson and others, 1947; Thomas and others, 1991; Waring, 1921; Williams and Bedinger, 1984; Winograd and Thordarson, 1975

**Painters Flat (HA 18)**

Glancy and Rush, 1968

**Panaca Valley (HA 203)**

Carpenter, 1915; Phoenix, 1948; Pupacko and others, 1989c; Rush, 1964; Snyder, 1963; Thomas and others, 1991; Westenburg, 1995

**Papoose Lake Valley (HA 158B)**

Rush, 1971

**Paradise Valley (HA 69)**

Cohen, 1962c, 1963a; Eakin and Lamke, 1966; Garcia and Jacoboni, 1991; Harrill and Moore, 1970; Harrill and others, 1983; Loeltz and others, 1949; Robbins and others, 1985; Russell, 1885; Schaefer, 1988a; Schaefer and others, 1986; Welch and Williams, 1987a

**Patterson Valley (HA 202)**

Carpenter, 1915; Phoenix, 1948; Rush, 1964; Savard and Crompton, 1993; Schaefer and Harrill, 1995; Snyder, 1963; Thomas and others, 1991; Westenburg, 1995

**Penoyer Valley (Sand Spring Valley; HA 170)**

Bunch and Harrill, 1984; Dettinger, 1989b; Dettinger and others, 1995; Eakin and others, 1951b, 1963; Loeltz and Malmberg, 1961; Prudic and others, 1995a; Snyder, 1963; Van Denburgh and Rush, 1974; Welch and Williams, 1987h

**Pequop Valley. See Independence Valley****Pilgrim Flat (HA 17)**

Glancy and Rush, 1968

**Pilot Creek Valley (HA 191)**

Benson and others, 1990, 1992; Crittenden, 1963; Gilbert, 1890; Harrill, 1971; Prudic and others, 1995a

**Pine Forest Valley (HA 29)**

Garcia and Jacoboni, 1991; Olmsted and others, 1973; Russell, 1885; Sinclair, 1962a

**Pine Valley (HA 53)**

Eakin, 1961a; Eakin and Lamke, 1966; Thomas and Lamke, 1962; Welch and Williams, 1987c

**Piute Valley (HA 214)**

Mendenhall, 1909; Rush and Huxel, 1966; Westenburg, 1995

**Pleasant Valley (Washoe Co.; HA 88)**

Lico, 1992a; Olmsted and others, 1973; Van Denburgh and others, 1973; Welch and Williams, 1987d

**Pleasant Valley (Pershing Co.; HA 130)**

Cohen and Everett, 1963; Garcia and Jacoboni, 1991; Gates and Kruer, 1981; Gilbert, 1890; Harrill and Hines, 1995; Olmsted and others, 1973; Welch and Williams, 1987c

**Pleasant Valley (White Pine Co.; HA 194)**

Crittenden, 1963; Hood and Rush, 1965; Pupacko and others, 1989c; Snyder, 1963

**Pueblo Valley (HA 1)**

Garcia and Jacoboni, 1991; Olmsted and others, 1973; Sinclair, 1963d

**Pumpnickel Valley (HA 65)**

Eakin and Lamke, 1966; Garcia and Jacoboni, 1991; Thomas and Lamke, 1962; Welch and Williams, 1987c

**Pyramid Lake Valley (HA 81)**

Benson, 1994a,b; Benson and others, 1995; Benson and Paillet, 1989; Benson and Thompson, 1987a; Benson and White, 1994; Blodgett and others, 1984; Garcia and Jacoboni, 1991; Harris, 1970; Hostetler and Benson, 1990a, 1994; La Camera and others, 1985; Lamke and Moore, 1965; Lao and Benson, 1988; Nowlin and others, 1980; Russell, 1885; Smith, 1980; Thompson and others, 1986; Van Denburgh and others, 1973; Welch and Williams, 1987b,d; Whitehead and Feth, 1961; Williams and Bedinger, 1984

**Queen Valley (HA 116)**

Van Denburgh and Glancy, 1970

**Quinn River Valley (HA 33)**

Arteaga, 1978; Garcia and Jacoboni, 1991; Harrill and Worts, 1968; Huxel and others, 1966; Loeltz, 1963b; Loeltz and Malmberg, 1961; Russell, 1885; Visher, 1957; Welch and Williams, 1987a

**Railroad Valley (HA 173)**

Bunch and Harrill, 1984; Carpenter, 1915; Dettinger, 1989a,b; Dettinger and Schaefer, 1995; Eakin and others, 1951b; Fiero and others, 1974; Larson and Weir, 1969; Loeltz and Malmberg, 1961; Nichols, 1994; Olmsted and others, 1973; Plume, 1988b; Prudic and others, 1995a; Pupacko and others, 1989c; Savard and Crompton, 1993; Schaefer and Harrill, 1995; Schroder and others, 1971; Snyder, 1963; Van Denburgh and Rust, 1974; Welch and Williams, 1986d, 1987f; Williams and Bedinger, 1984

**Ralston Valley (HA 141)**

Bunch and Harrill, 1984; Dettinger and others, 1995; Eakin, 1962e; Eakin and others, 1963; Fiero and others, 1974; Loeltz and Malmberg, 1961; Rush, 1968b; Schroder and others, 1971; Welch and Williams, 1987f

**Rawhide Flats (HA 123)**

Everett and Rush, 1967; Olmsted and others, 1973; Russell, 1885; Schaefer, 1980

**Red Rock Valley (HA 99)**

Rush and Glancy, 1967

**Reese River Valley. See also Lower, Middle, and Upper Reese River Valleys**

Dettinger, 1989b; Eakin and others, 1965; Loeltz and Malmberg, 1961; Waring, 1918

**Rhodes Salt Marsh Valley (HA 119)**

Shamberger, 1978; Van Denburgh and Glancy, 1970; Williams and Bedinger, 1984

**Rock Valley (HA 226)**

Dettinger, 1992; Eakin and others, 1963; Hale and Westenburg, 1995; Kane and others, 1994; La Camera and Westenburg, 1994; Mendenhall, 1909; Pabst and others, 1993; Rush, 1971; Sass and Lachenbruch, 1982; Walker and Eakin, 1963; Welch and Williams, 1987i

**Rock Creek Valley (HA 62)**

Eakin and Lamke, 1966

**Rose Valley (HA 199)**

Carpenter, 1915; Phoenix, 1948; Rush, 1964; Snyder, 1963; Westenburg, 1995

**Ruby Valley (HA 176)**

Eakin and Maxey, 1951; Loeltz and Malmberg, 1961; Olmsted and others, 1973, 1975; Prudic and others, 1995a; Pupacko and others, 1989c; Savard and Crompton, 1993; Snyder, 1963; Welch and Williams, 1986b

**Rye Patch Reservoir**

Eakin, 1962a; Lamke and Moore, 1965; Rush and Rice, 1972

**Sage Hen Valley (HA 5)**

Sinclair, 1963a

**Salmon Falls Creek Area (HA 40)**

Crosthwaite, 1969; Laird, 1964; Moore and Eakin, 1968; Riggs and Moore, 1965; Young and Lewis, 1982

**Sand Spring Valley. See Penoyer Valley****Sandy Valley. See Mesquite Valley****San Emidio Desert (HA 22)**

Garcia and Jacoboni, 1991; Glancy and Rush, 1968; Mariner and others, 1976; Olmsted and others, 1973, 1975; Russell, 1885

**Sano Valley (HA 20)**

Glancy and Rush, 1968; Russell, 1885

**Sarcobatus Flat (HA 146)**

Bedinger and others, 1989; Dettinger and others, 1995; Eakin and others, 1963; Loeltz and Malmberg, 1961; Malmberg and Eakin, 1962; Mendenhall, 1909; Prudic and others, 1995a

**Schurz Subarea (HA 110A)**

Everett and Rush, 1967; Robinson, 1951; Schaefer, 1980

**Silver State Valley (HA 32)**

Garcia and Jacoboni, 1991; Huxel and others, 1966; Russell, 1885; Visher, 1957

**Skedaddle Creek Valley (HA 98)**

Glancy and Rush, 1968

**Smith Creek Valley (HA 134)**

Carlton and Thomas, 1987; Carman, 1985, 1989, 1993; Everett and Rush, 1964; Harrill and others, 1983; Hines, 1992; Loeltz and Malmberg, 1961; Nichols, 1994; Olmsted and others, 1973; Thomas and others, 1985, 1989a,b; Welch and Williams, 1986a

**Smith Valley (HA 107)**

Loeltz and Eakin, 1953; Loeltz and Malmberg, 1961; Rush, 1976; Rush and Schroer, 1976; Welch and others, 1986, 1988; Whitehead and Feth, 1961

**Smoke Creek Desert (HA 21)**

Benson and others, 1995; Benson and Paillet, 1989; Benson and Thompson, 1987a; Garcia and Jacoboni, 1991; Glancy and Rush, 1968; Lico, 1992a; Loeltz and Malmberg, 1961; Maurer, 1993; Nichols, 1994; Russell, 1885; Welch and Williams, 1987b

**Snake River Basin (Part 3)**

Laird, 1964; Lamke and Moore, 1965; Moore and Eakin, 1968

**Snake Valley (HA 195)**

Bedinger and others, 1990; Crittenden, 1963; Gates and Kruer, 1981; Gilbert, 1890; Hood and Rush, 1965; Loeltz and Malmberg, 1961; Pupacko and others, 1979c; Schaefer and Harrill, 1995; Snyder, 1963; Welch and Williams, 1986c

**Soda Spring Valley (HA 121)**

Shamberger, 1978; Van Denburgh and Glancy, 1970; Welch and Williams, 1987e

**South Fork Area (HA 46)**

Eakin and Lamke, 1966; Plume and Stone, 1992; Rush and Everett, 1966a; Thomas and Lamke, 1962

**South Fork Owyhee River Area (HA 35)**

Laird, 1964; Moore and Eakin, 1968; Riggs and Moore, 1965; Thomas and Lamke, 1962; Young and Lewis, 1982

**Spanish Springs Valley (HA 85)**

Lico, 1992a; Robinson and Phoenix, 1948; Rush and Glancy, 1967; Van Denburgh and others, 1972

**Spooner Lake**

Rush and others, 1972

**Spring Valley (Lincoln Co.; HA 184)**

Bunch and Harrill, 1984; Dettinger, 1989b; Loeltz and Malmberg, 1961; Pupacko and others, 1989c; Rush and Kazmi, 1965; Savard and Crompton, 1993; Snyder, 1963; Snyder and Langbein, 1962; Welch and Williams, 1986c,d

**Spring Valley (Lincoln Co.; HA 201)**

Carpenter, 1915; Phoenix, 1948; Rush, 1964; Schaefer and Harrill, 1995; Snyder, 1963; Westenburg, 1995

**Starr Valley Area (HA 43)**

Eakin and Lamke, 1966; Thomas and Lamke, 1962

**Steptoe Valley (HA 179)**

Bedinger and others, 1990; Berger and others, 1990; Bunch and Harrill, 1984; Clark and Riddell, 1920; Dettinger and Schaefer, 1995; Eakin and others, 1967; Frick, 1985, 1990; Loeltz and Malmberg, 1961; Plume, 1988b; Pupacko and others, 1989c; Savard and Crompton, 1993; Snyder, 1963; Welch and Williams, 1986b,c,d

**Stevens Basin (HA 152)**

Rush and Everett, 1964

**Stingaree Valley (HA 125)**

Cohen and Everett, 1963; Harrill and Hines, 1995; Olmsted and others, 1973; Schaefer, 1988a; Schaefer and others, 1984; Shamberger, 1973b

**Stone Cabin Valley (HA 149)**

Bunch and Harrill, 1984; Dettinger and others, 1995; Eakin, 1962e; Eakin and others, 1963; Fiero and others, 1974; Prudic and others, 1995a; Rush, 1968b; Schroder and others, 1971; Welch and Williams, 1987f

**Stonewall Flat (HA 145)**

Eakin and others, 1963; Mendenhall, 1909; Rush, 1968b

**Summit Lake Valley (HA 27)**

Garcia and Jacoboni, 1991; Olmsted and others, 1973; Sinclair, 1963c

**Sun Valley (HA 86)**

Robinson and Phoenix, 1948; Rush and Glancy, 1967; Van Denburgh and others, 1973

**Surprise Valley (HA 14)**

Sinclair, 1963a

**Susie Creek Area (HA 50)**

Eakin and Lamke, 1966; Plume, 1995; Thomas and Lamke, 1962

**Swan Lake Valley (HA 7)**

Sinclair, 1963a

**Teels Marsh Valley (HA 114)**

Shamberger, 1978; Van Denburgh and Glancy, 1970

**Thousand Springs Valley (HA 189)**

Benson and others, 1990, 1992; Crittenden, 1963; Gilbert, 1890; Kilroy, 1995; Loeltz and Malmberg, 1961; Prudic and others, 1995a; Rush, 1968c

**Three Lakes Valley (northern part; HA 168)**

Bedinger and others, 1989; Carpenter, 1915; Dettinger and others, 1995; Eakin and others, 1963; Mendenhall, 1909; Rush, 1971; Schaefer and Harrill, 1995; Winograd and Thordarson, 1975

**Three Lakes Valley (southern part; HA 211)**

Bedinger and others, 1989; Carpenter, 1915; Dettinger, 1989a, 1992; Dettinger and others, 1995; Maxey and Jameson, 1946, 1948; Maxey and Robinson, 1947; Mendenhall, 1909; Rush, 1971; Schaefer and Harrill, 1995; Westenburg, 1995; Winograd and Thordarson, 1975

**Tikapoo Valley (Tickaboo Valley; HA 169)**

Bedinger and others, 1989; Carpenter, 1915; Dettinger, 1992; Dettinger and others, 1995; Mendenhall, 1909; Prudic and others, 1995a; Pupacko and others, 1989c; Rush, 1971; Schaefer and Harrill, 1995; Schaefer and others, 1992; Snyder, 1963; Winograd and Thordarson, 1975

**Tippett Valley (HA 185)**

Bedinger and others, 1990; Harrill, 1971; Pupacko and others, 1989c; Snyder, 1963

**Tonopah Flat (HA 137A)**

Meinzer, 1916, 1917; Phoenix, 1949b; Robinson and others, 1947; Rush and Schroer, 1970; Shamberger, 1975

**Topaz Lake**

Harrill and Nowlin, 1976; Lamke and Moore, 1965; Nowlin, 1976, 1982; Rush and Hill, 1972; Thodal, 1989, 1992a; U.S. Geological Survey, 1954; Welch and others, 1986, 1988; Williams and Bedinger, 1984

**Tracy Segment (HA 83)**

La Camera and others, 1985; Russell, 1885; U.S. Geological Survey, 1954; Van Denburgh and others, 1973; Welch and Williams, 1987d

**Truckee Canyon Segment (HA 91)**

La Camera and others, 1985; Nowlin and others, 1980; Robinson and others, 1951; U.S. Geological Survey, 1954; Van Denburgh and others, 1973; Welch and others, 1986, 1988

**Truckee Meadows (HA 87)**

Bell and others, 1989; Blodgett and others, 1984; Cohen, 1961a, 1962d; Cohen and Loeltz, 1964; Katzer and others, 1984a; La Camera and others, 1985; Lico, 1992a; Loeltz and Malmberg, 1961; Nowlin and others, 1980; Olmsted and others, 1973; Silberman and others, 1979;

U.S. Geological Survey, 1954; Van Denburgh and others, 1973; Welch and others, 1986, 1988; Welch and Williams, 1987d; White, 1968

### **Truckee River Basin (Part 6)**

August and others, 1992; August and Ruddy, 1992; Benson, 1984, 1994b; Benson and others, 1995; Bevans and Kilroy, 1991; Blodgett and others, 1984; Bohman, 1994; Bohman and others, 1995; Brown and others, 1986; Cobb and others, 1990; Glancy and others, 1972, 1984; Hoffman, 1990; Hoffman and Scopettone, 1988; Jeton, 1991; Kilroy, 1994; La Camera and others, 1985; Lamke and Moore, 1965; Lao and Benson, 1988; Lawrence, 1994; Lawrence and Bevans, 1994; Matthai, 1974; Maurer and Moffatt, 1992; Meder, 1984; Nowlin, 1987a,b; Nowlin and others, 1980; Pupacko, 1991a, 1993a; Reece and others, 1994; Taylor, 1902; Trionfante and Peltz, 1994; U.S. Geological Survey, 1954; Van Denburgh, 1973; Van Denburgh and others, 1973; Young and Harris, 1966

### **Tule Desert (HA 221)**

Dettinger, 1992; Dettinger and others, 1995; Glancy and Van Denburgh, 1969; Westenburg, 1995

### **Upper Moapa Valley. See Muddy River Springs Area**

### **Upper Reese River Valley (HA 56)**

Eakin and Lamke, 1966; Eakin and others, 1965; Plume, 1988a; Waring, 1918

### **Virgin River**

Bales and Laney, 1992; Dettinger and others, 1995; Glancy and Van Denburgh, 1969; Hilmes, 1994; Smith, 1994; Westenburg, 1995

### **Virgin River Valley (HA 222)**

Bales and Laney, 1992; Carpenter, 1915; Dettinger, 1992; Dettinger and others, 1995; Glancy and Van Denburgh, 1969; Mendenhall, 1909; Prudic and others, 1995a; Thomas and others, 1991; Westenburg, 1995

### **Virgin Valley (HA 4)**

Garcia and Jacoboni, 1991; Sinclair, 1963d

### **Walker Lake Valley (HA 110)**

Benson, 1988; Benson and others, 1991; Benson and Paillet, 1989; Benson and Thompson, 1987a; Eakin and Robinson, 1950; Everett and Rush, 1967; Katzer and Harmsen, 1973a; Lamke and Moore, 1965; Lao and Benson, 1988; Meyers and Benson, 1988; Rice and Tuttle, 1989; Robinson, 1951; Rush, 1970; Russell,

1885; Schaefer, 1980; Thomas, 1995; U.S. Geological Survey, 1954; Van Denburgh and Goerlitz, 1987; Van Denburgh and Schaefer, 1986; Welch and Williams, 1987e; Whitehead and Feth, 1961; Williams and Bedinger, 1984; Young and Harris, 1966

### **Walker River Basin (Part 9)**

Benson, 1988; Benson and Leach, 1979; Benson and others, 1991, 1995; Benson and Paillet, 1989; Benson and Spencer, 1983; Benson and Thompson, 1987a; Everett and Rush, 1967; Glancy, 1971b; Harrill and Nowlin, 1976; Huxel, 1969; Huxel and Harris, 1969; Katzer and Harmsen, 1973a; Lamke and Moore, 1965; Lao and Benson, 1988; Lico, 1992a; Loeltz and Eakin, 1953; Loeltz and Malmberg, 1961; Meyers and Benson, 1988; Nowlin, 1976, 1982; Olmsted and others, 1973; Rice and Tuttle, 1989; Robinson, 1951; Rush, 1970, 1976; Rush and Hill, 1972; Rush and Schroefer, 1976; Russell, 1885; Schaefer, 1980; Seitz and others, 1982; Thodal, 1989, 1992a; Thomas, 1995; U.S. Geological Survey, 1954; Van Denburgh and Goerlitz, 1987; Van Denburgh and Schaefer, 1986; Welch and others, 1986, 1988; Welch and Williams, 1987d,e; Whitehead and Feth, 1961; Williams and Bedinger, 1984; Young and Harris, 1966

### **Warm Springs Valley (HA 84)**

Rush and Glancy, 1967; Van Denburgh and others, 1973

### **Warner Valley (HA 13)**

Sinclair, 1963a

### **Washoe Valley (HA 89)**

Arteaga and Nichols, 1984; Feth and others, 1964a,b; Glancy, 1985; Glancy and Katzer, 1977; Lico, 1992a; Rush, 1967, 1972a, 1975; Shamberger, 1972a; Van Denburgh and others, 1973; Welch and Williams, 1987d; Whitehead and Feth, 1961; Williams and Bedinger, 1984

### **Weber Reservoir**

Katzer and Harmsen, 1973a; Lamke and Moore, 1965

### **Whirlwind Valley (HA 60)**

Eakin and Lamke, 1966; Olmsted and others, 1973; Olmsted and Rush, 1987; Thomas and Lamke, 1962; Welch and Williams, 1987c

### **Whisky Flat-Hawthorne Subarea (HA 110C)**

Eakin and Robinson, 1950; Everett and Rush, 1967; U.S. Geological Survey, 1954; Van Denburgh and Goerlitz, 1987; Van Denburgh and Schaefer, 1986; Welch and Williams, 1987e

**White Plains (HA 74)**

Garcia and Jacoboni, 1991; Glancy and Katzer, 1976; Russell, 1885; Welch and Williams, 1987d

**White River Valley (HA 207)**

Bunch and Harrill, 1984; Carpenter, 1915; Dettinger, 1989a; Dettinger and others, 1995; Eakin, 1966; Loeltz and Malmberg, 1961; Maxey and Eakin, 1949; Plume, 1988b; Pupacko and others, 1989c; Prudic and others, 1995a; Savard and Crompton, 1993; Snyder, 1963; Welch and Thomas, 1984; Welch and Williams, 1986d; Westenburg, 1995

**Wildhorse Reservoir**

Katzer and Harmsen, 1973b

**Willow Creek Valley (HA 63)**

Eakin and Lamke, 1966

**Winnemucca Lake Valley (HA 80)**

Garcia and Jacoboni, 1991; Russell, 1885; Van Denburgh and others, 1973; Zones, 1961a

**Winnemucca Segment (HA 70)**

Cohen, 1961b,c, 1962a,b,c,e, 1963a,b, 1964b; Cohen and others, 1965; Eakin and Lamke, 1966; Garcia and Jacoboni, 1991; Olmsted and others, 1973; Robinson, 1970; Russell, 1885; Thomas and Lamke, 1962; Welch and Williams, 1987a,c

**Yucca Flat (HA 159)**

Bedinger and others, 1989; Carman, 1994; Dettinger, 1989a, 1992; Dettinger and others, 1995; Doty and Thordarson, 1983; Eakin and others, 1963; Hale and others, 1995; Hale and Trudeau, 1993; Hawkins and others, 1990; Hoover and Trudeau, 1987; Kane and others, 1994; Mendenhall, 1909; Pabst and others, 1993; Reiner and others, 1995; Robie and others, 1995; Rush, 1971; Sass and Lachenbruch, 1982; Welch and Williams, 1987g; Winograd and Thordarson, 1975

**Yucca Mountain area**

Benson and others, 1983; Bentley, 1984; Bentley and others, 1983; Coe and others, 1991; Craig and Johnson, 1984; Craig and others, 1983; Craig and Robison, 1984; Czarnecki, 1984, 1991; Czarnecki and Waddell, 1984; Czarnecki and Wilson, 1991; Ericksen and Waddell, 1985; Flint and Flint, 1990; Fridrich and others, 1994; Gemmell, 1990; Glancy, 1994; Glanzman, 1991; Hale and Westenburg, 1995; Kane and others, 1994; La Camera and Westenburg, 1994; Lahoud and others, 1984; Lobmeyer, 1986; Luckey and others, 1993; O'Brien, 1991, 1993; Pabst and others, 1993; Robison, 1984; Robison and others, 1988; Rush and others, 1984; Savard, 1994, 1995; Thordarson and others, 1984, 1985; Waddell and others, 1984; Whitfield and others, 1984, 1985