Bibliography of Selected Water-Resources Publications on Nevada by the U.S. Geological Survey, 1885 through 1990

By Robin L. Bunch

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ABSTRACT

References to 493 water-resources publications are listed alphabetically by senior author. Most of the publications were written during 1962-90 by scientists and engineers of the Nevada District, which is part of the Water Resources Division, U.S. Geological Survey. Also included, for historical perspective, are selected earlier reports by Water Resources Division authors that deal with Nevada hydrology. The references include several types of Geological Survey book and map publications, as well as State-series reports, journal articles, abstracts, poster-session displays, and graduate-degree theses.

INTRODUCTION

This bibliography is a compilation of references to 493 publications pertaining to the water resources of Nevada. Most of the listed publications were written during the last three decades by scientists and engineers of the Nevada District, which is a part of the Water Resources Division, U.S. Geological Survey. Also included, for historical perspective, are selected earlier reports by Water Resources Division authors that deal with Nevada hydrology.

This compilation contains references to reports published from 1885 through December 1990. References are listed alphabetically by senior author. Geographic areas identified within the titles are capitalized in bold type to aid the reader in identifying publications of interest. The hydrographic areas of Nevada are shown in figure 1 as a further aid.

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 the 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.
Index map of Nevada showing hydrographic regions and basins

EXPLANATION

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HYDROGRAPHIC-REGION AND BASIN BOUNDARY

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STATE BOUNDARY

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HYDROGRAPHIC-AREA BOUNDARY

FIGURE 1.--Hydrographic areas in Nevada (modified from Rush, 1968a).
82. Dodge Flat
81. Pyramid Lake V.
80. Winnemucca Lake V.
79. Tracy Segment
78. Granite Springs V.
77. Fireball V.
75. Bradys Hot Springs Area
74. Black Mountain Area
73. CotemanV.
72. Grass V.
71. Winnemucca Segment
70. Winnemucca Segment
69. Winnemucca Area
68. Humboldt River Basin
67. Winnemucca Area
66. Winnemucca Area
65. Winnemucca Area
64. Winnemucca Area
63. Winnemucca Area
62. Winnemucca Area
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10. Winnemucca Area
9. Winnemucca Area
8. Winnemucca Area
7. Winnemucca Area
6. Winnemucca Area
5. Winnemucca Area
4. Winnemucca Area
3. Winnemucca Area
2. Winnemucca Area
1. Winnemucca Area

FIGURE 1.--Continued.
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):

<table>
<thead>
<tr>
<th>Water year</th>
<th>Part 9&lt;sup&gt;a&lt;/sup&gt;</th>
<th>Part 10&lt;sup&gt;b&lt;/sup&gt;</th>
<th>Part 13&lt;sup&gt;c&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Through 1950</td>
<td>1313</td>
<td>1314</td>
<td>1317</td>
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<tr>
<td>1951-60</td>
<td>1733</td>
<td>1734</td>
<td>1737</td>
</tr>
<tr>
<td>1961-65</td>
<td>1926</td>
<td>1927</td>
<td>1934</td>
</tr>
<tr>
<td>1966-70</td>
<td>2126</td>
<td>2127</td>
<td>2134</td>
</tr>
</tbody>
</table>

<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:

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

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

<table>
<thead>
<tr>
<th>Calendar year</th>
<th>WSP number</th>
<th>Calendar year</th>
<th>WSP number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1946-50</td>
<td>1170</td>
<td>1955</td>
<td>1409</td>
</tr>
<tr>
<td>1951</td>
<td>1196</td>
<td>1956-60</td>
<td>1770</td>
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<tr>
<td>1952</td>
<td>1226</td>
<td>1961-65</td>
<td>1855</td>
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<tr>
<td>1953</td>
<td>1270</td>
<td>1966-70</td>
<td>2010</td>
</tr>
<tr>
<td>1954</td>
<td>1326</td>
<td>1971-74</td>
<td>2162</td>
</tr>
</tbody>
</table>
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 as follows:


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 should be borrowed from the author or university cited in the reference.

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

Books and Open-File Reports Section
U.S. Geological Survey
Box 25425, Federal Center
Denver, CO 80225

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

Western Distribution Branch
U.S. Geological Survey
Box 25286, Federal Center
Denver, CO 80225

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
705 N. Plaza, Room 227
Carson City, NV 89701
Telephone: (702) 887-7600

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New publications of the U.S. Geological Survey—for the Nevada District as well as other areas—are listed in two series: (1) *New Publications of the Geological Survey*, which is published monthly and available by free subscription from the U.S. Geological Survey, 582 National Center, Reston, VA 22092; and (2) *Publications of the Geological Survey*, which is published annually and may be ordered from the Books and Open-File Reports Section, Box 25425, Federal Center, Denver, CO 80225.

**WATER-RESOURCES PUBLICATIONS**


Dettinger, M.D., 1988, Evaluation of ground-water resources in a structurally extended terrain--geological considerations in the EASTERN GREAT BASIN, Nevada and Utah [abs.]: Eos, American Geophysical Union Transactions, v. 69, no. 44, p. 1185.


Eakin, T.E., 1965, Ground-water drainage from alluvium to regional carbonate rock aquifers in SOUTHEASTERN NEVADA [abs.]: American Geophysical Union Transactions, v. 46, no. 3.


Glancy, P.A., and Whitney, J.W., 1989, Recent hydrogeologic changes in lower LAS VEGAS WASH, Clark County, Nevada [abs.]: Eos, American Geophysical Union Transactions, v. 70, no. 43.


Katzer, Terry, 1980, General ground-water map, CARSON CITY quadrangle: Nevada Bureau of Mines and Geology Urban Maps Series, Carson City Folio, Map 1Af, scale 1:24,000.


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Plume, R.W., 1984, Use of aeromagnetic data to define some properties of a carbonate-rock aquifer in EASTERN NEVADA [abs.]: Geological Society of America, Abstracts with Programs, v. 16, no. 6, p. 624.


Plume, R.W., 1985, Geologic features that control regional ground-water movement in the EASTERN GREAT BASIN, Nevada and Utah [abs.]: Geological Society of America, Abstracts with Programs, v. 17, no. 7, p. 691.

Plume, R.W., 1988, Geologic features that affect the movement of recharge to ground-water basins adjacent to the central EGAN RANGE, White Pine County, Nevada [abs.]: Geological Society of America, Abstracts with Programs, v. 20, no. 3, p. 221.


Rush, F.E., 1974, Static ground water levels of Nevada: Nevada Division of Water Resources map, scale 1:750,000, 1 sheet.


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Welch, A.H., and Lico, M.S., 1988, Aqueous geochemistry of ground water with high concentrations of arsenic and uranium, CARSON RIVER basin, Nevada [abs.]: Chemical Geology, v. 70, no. 1/2, p. 19.


Welch, A.H., Thomas, J.T., and Gunderson, L.S., 1990, Distribution and sources of uranium in ground water in the CARSON RIVER BASIN, western Nevada and eastern California, U.S.A. [abs.]: Eos, American Geophysical Union Transactions, v. 71, no. 43, p. 1305.


