

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

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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
foot	0.3048	meter

Sea level: In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929, formerly called "Sea-Level Datum of 1929"), which is derived from a general adjustment of the first-order leveling networks of both the United States and Canada.

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Abstract

The American River, Carson River, and Truckee River basins in California and Nevada and the Gunnison River basin in Colorado are the subjects of two studies by the U.S. Geological Survey that focus on the sensitivity of water supply to potential climate change. This report contains information on 16 data bases used for these studies. The data bases contain hydrologic and climatic data maintained by Federal, State, and local agencies in the study areas. Descriptions of all the data bases and maps of the site locations for many of the data bases are included.

INTRODUCTION

The U.S. Geological Survey is studying the potential effects of climate change on the water resources of selected river basins in the United States. These basin studies, which focus on the sensitivity of water resources to potential changes in climate, are part of the Global-Change Research Program of the Geological Survey. Basins being studied in the Western United States are the American River, Carson River, and Truckee River basins in northern California and western Nevada and the Gunnison River basin in southwestern Colorado. The objectives of these studies are (1) to define the temporal and spatial variability of hydrologic processes affecting runoff under existing climate conditions, (2) to develop various plausible scenarios of climate change for the study areas, (3) to develop methods of linking scenarios of climate change to basin hydrologic response by using watershed-modeling techniques, and (4) to develop techniques for determining impacts of climate change on basin hydrology.

A survey of hydrologic and climate data-collection sites was done to identify and describe

data bases pertinent to the study, to compile site-location information, to list types of data collected at each site and the period of record for each variable, and also to determine how much of the available data is digital. The data bases described in this report are maintained by Federal, State, and County agencies and by the Desert Research Institute of the University of Nevada.

DESCRIPTION OF DATA BASES

Information about the data bases is presented in tables 1 to 16. Basin locations, boundaries, and geographic features are shown in figures 1 to 3, and locations of selected sites included in tables 1 to 14 and 16 are shown in figures 4 to 18. (The selection was made to show only the general distribution of sites for a given basin.) Information in the 16 tables differs because the several agencies involved have different objectives and ways of organizing data-collection programs. Most reported latitudes and longitudes, altitudes, and periods of record are presented as retrieved from the indicated data bases. Station names are derived from information in the data bases and may be incomplete. The following provides more specific information about the data bases.

U.S. Geological Survey gaging stations.--The Geological Survey maintains gaging-station networks to record stage, discharge, and content of streams, lakes, and reservoirs as a means of monitoring the Nation's water supply. Data available include National Water Information System record of stage of and discharge from streams or canals; altitude, stage, and contents of lakes or reservoirs; station description; gage height; sediment; specific

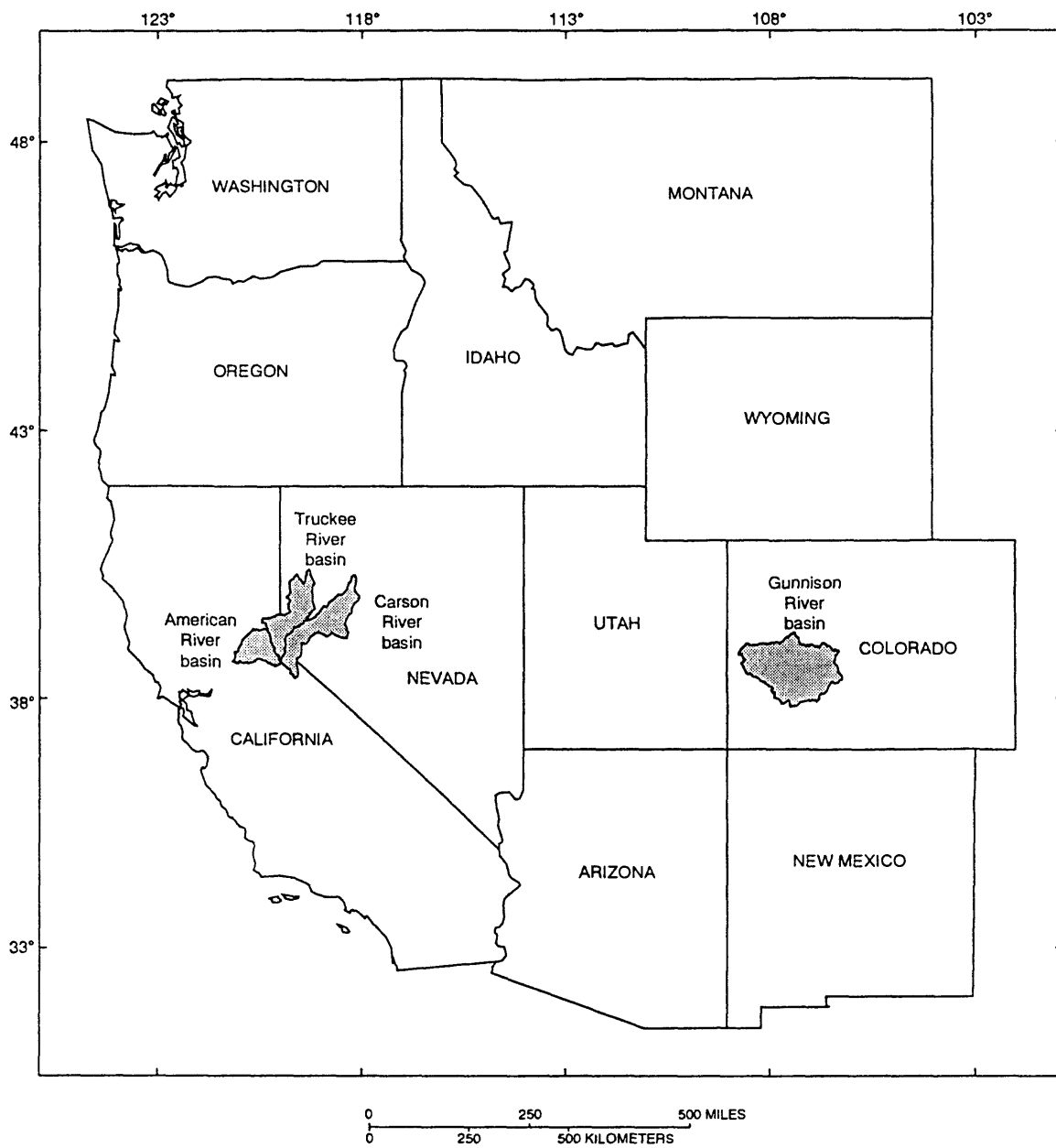


Figure 1. Locations of American River basin, California, Carson River and Truckee River basins, California and Nevada, and Gunnison River basin, Colorado. Also shown are States represented in tables 11 and 12.

conductance; water temperature; and biological and chemical data. Summary information for the American River, Carson River, and Truckee River basins in California and Nevada and for the Gunnison River in Colorado is presented in tables 1 to 4.

U.S. National Weather Service data-collection sites.--The National Weather Service and its cooperators maintain a network of weather stations. At first-order stations (maintained by National Weather Service personnel), data are collected hourly. At second-order stations (maintained by contract observers) and at cooperative stations (maintained by volunteer observers), data are collected daily. Data available include maximum and minimum temperature, precipitation, snowfall, and snow depth. Evaporation, soil-temperature, wind, relative-humidity, and barometric-pressure data may also be available. Information about selected California, Nevada, and Colorado weather stations is given in tables 5 and 6.

U.S. Soil Conservation Service snow-data networks.--The Soil Conservation Service maintains snow-course and snowpack-telemetry networks. A snow course is a line or series of lines, usually in open mountain meadows or along roads, where snow measurements are taken manually. The average snow depth of all sample points is measured, and the snow water content is computed. Visits are made one to two times per month from January through May. The Soil Conservation Service also maintains a network of automated snowpack-telemetry (SNOTEL) stations in the Western United States. Snow-water equivalent, precipitation, and maximum and minimum temperature are recorded daily. Data are transmitted in real time to the Soil Conservation Service Western National Technical Center in Portland, Ore. SNOTEL and snow-course site information for selected networks in California, Nevada, and Colorado is given in tables 7 to 10.

Remote Automatic Weather Stations (RAWS) network.--The U.S. Bureau of Land Management oversees the multiagency RAWS network, which operates in real time through the National Oceanic and Atmospheric Administration's Geostationary Operational Environmental Satellite system and is used for fire and resources management. The Remote Automatic Weather Stations are of four types or classes according to maintenance or availability. Data collected at these weather stations include total precipitation (by tipping-bucket,

weighing-gage, or snow-pillow method), wind speed and direction, air temperature, relative humidity, and barometric pressure. Site information for the Western United States, excluding Alaska and Hawaii, is presented in table 11.

Radiosonde data.--Global Telecommunications Systems, the U.S. National Weather Service, the U.S. Air Force, and the U.S. Navy operate upper-air observation stations. The National Weather Service Climatic Data Center publishes and archives these data. Data available include atmospheric-pressure surface, temperature, relative humidity, and wind direction and speed. Radiosonde site information for the Western United States, excluding Alaska and Hawaii, is given in table 12.

California Department of Water Resources.--Through the California Department of Water Resources, cooperating agencies have established weather stations to obtain local data for water-supply and flood-control planning. Data available include maximum and minimum temperature and precipitation. Site information for the American River, Carson River, and Truckee River basins and surrounding areas in California and Nevada is presented in table 13.

University of Nevada Desert Research Institute weather stations.--The Desert Research Institute collects data in the Truckee River and Carson River basins. Data include precipitation, temperature, wind speed and direction, relative humidity, barometric pressure, and radiation and snow data. Truckee River basin site information is shown in table 14.

Washoe County, Nev., Public Works Department, Utility Division, hydrologic network.--Washoe County maintains streamflow-gaging stations and meteorological stations primarily for flood forecasting. Data available include streamflow, precipitation (rain and snow), wind speed and direction, and temperature. Site information is given in table 15.

Washoe County, Nev., Health Department air-quality network.--Washoe County maintains a network of sites to record hourly wind speed and direction, temperature, and other data relevant to air-quality studies. Information about the sites, which are in the Reno-Sparks area, is given in table 16.

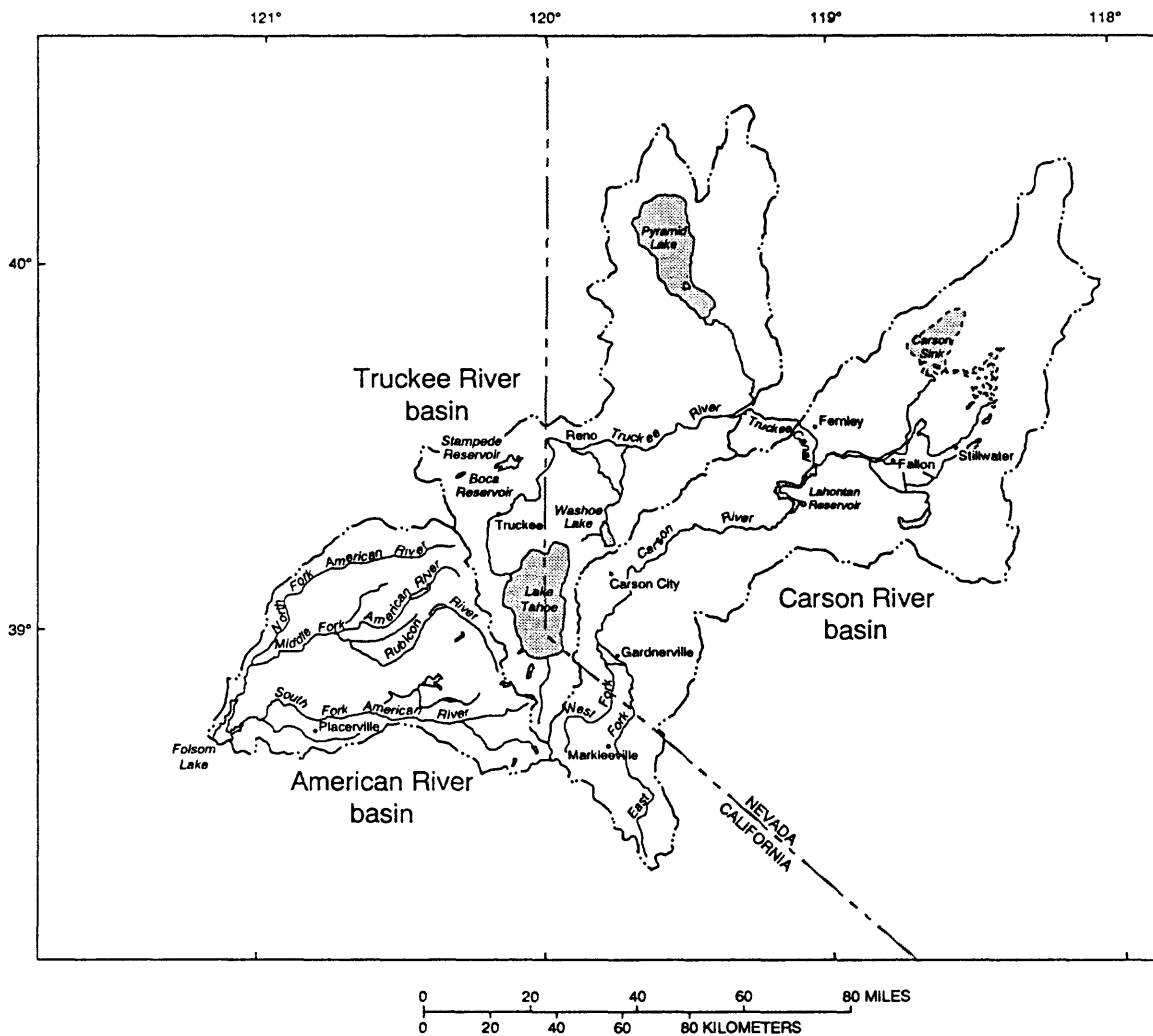


Figure 2. American River, Carson River, and Truckee River basins, California and Nevada, showing geographic features and hydrologic-basin boundaries.

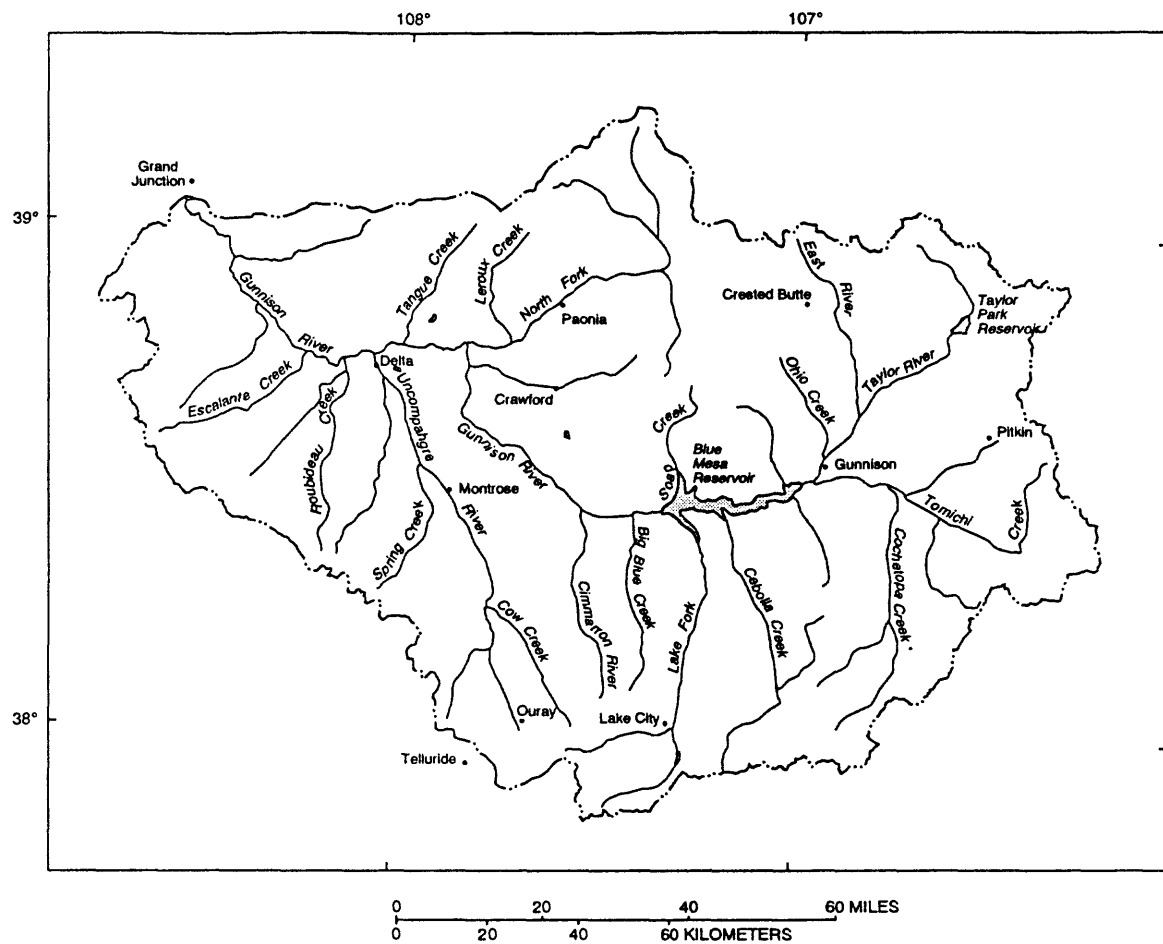


Figure 3. Gunnison River basin, Colorado, showing geographic features and hydrologic-basin boundary.

TABLE 1. U.S. Geological Survey gaging stations in American River basin, California

[Source of data is U.S. Geological Survey's National Water Information System. Site ID number: U.S. Geological Survey gaging-station identification number, sequenced in downstream order for any given stream. Station name: distinctive name that briefly describes geographic feature and (or) gives location reference for gage, as stored in National Water Information System data base or as published in U.S. Geological Survey Water Resources Division annual data reports. Location: N lat, north latitude; W long, west longitude. Altitude: if lake or reservoir, measured at gage or as indicated (a, top of radial gates; b, crest of spillway; c, top of radial spillway gates; d, gross pool altitude); if surface water, measured at gage; some values rounded to nearest 10 feet. Site type: CD, canal diversion; CF, combined flow (from more than one site); Lk, lake or reservoir; PD, powerplant diversion; SW, nonlake surface water; TD, tunnel diversion. Data type: A, water-surface altitude, stage, or contents of lake or reservoir; B, biological; C, chemical; D, discharge; S, sediment; T, temperature of water. Gaging station's period of record: period of daily-values data record in National Water Information System data base; 90+, station still in operation after water year 1990. Discrepancies between earliest water-storage data record and beginning of gaging station's period of record indicate that additional data may be available from other sources. --, not applicable or not determined]

Site ID number	Station name	Location			Altitude (feet above sea level)	Site type	Drainage area (square miles)	Earliest water-storage data record (calendar year)	Data type	Gaging station's period of record (calendar years)
		N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)							
11426170	Lake Valley Reservoir near Cisco	39 18 01	120 35 46		5,727	Lk	4.5	1911	A	1979-90+
11426180	Kelly Lake near Cisco	39 18 40	120 34 49		--	Lk	.6	1928	A	1979-85
11426190	Lake Valley Canal near Emigrant Gap	39 17 56	120 38 31		5,410	CD,SW	--	--	D	1964-90+
11426195	Canyon Creek near Blue Canyon	39 15 27	120 43 57		4,660	SW	.5	--	D	1981-89 1982
11426196	Canyon Creek below Towle diversion near Blue Canyon	39 14 31	120 45 03		4,320	SW	1.3	--	D	1981-89
11426200	North Fork Forbes Creek near Dutch Flat	39 08 37	120 45 30		3,980	SW	1.6	--	D	1956-85
11426400	North Shittail Creek near Dutch Flat	39 07 40	120 48 01		3,371	SW	9.1	--	D	1956-85
11426500	North Fork American River near Colfax	39 02 25	120 54 06		897	SW	308.0	--	D	1911-41
11427000	North Fork American River at North Fork Dam	38 56 10	121 01 22		715	SW	342.0	--	D	1941-90+ 1959-83 1977-80 1980
11427200	French Meadows powerplant near Meeks Bay	39 04 42	120 24 27		--	PD,SW	--	--	D	1970-89
11427400	French Meadows Reservoir near Foresthill	39 06 32	120 25 49		5,263a	Lk	47.0	1964	A	1964-90+
11427500	Middle Fork American River at French Meadows	39 06 35	120 28 49		4,920	SW	47.9	--	D	1951-90+
11427700	Duncan Creek near French Meadows	39 08 09	120 28 39		5,270	SW	9.9	--	D	1960-90+
11427750	Duncan Creek below diversion dam near French Meadows	39 07 59	120 28 58		5,210	SW	10.5	--	D	1964-90+
11427760	Middle Fork American River above Middle Fork powerplant near Foresthill.	39 01 31	120 35 40		2,540	SW	87.8	--	D	1965-90+
11427765	Ralston powerplant near Foresthill	39 00 01	120 43 23		--	PD,SW	--	--	D	1973-89

11427770	Middle Fork American River below Interbay Dam near Foresthill.	39 01 35	120 36 09	2,470	SW	89.1	--	D	1965-90+
11427800	Rubicon River above Rubicon Lake	38 58 35	120 12 42	6,590	SW	22.8	--	D	1985-89
11427940	Rubicon River-Rockbound tunnel near Meeks Bay	38 59 16	120 13 29	6,533	SW,TD	--	--	D	1964-90+
11427960	Rubicon River below Rubicon Lake	38 59 26	120 13 15	6,500	SW	26.8	--	D	1984-89
11428000	Rubicon River at Rubicon Springs near Meeks Bay	39 01 10	120 14 46	6,053	SW	31.4	--	D	1910-13 1956-86
11428001	Combined Rubicon River and Rockbound Lake tunnel	39 01 10	120 14 46	--	CF,SW	--	--	D	1964-83
11428300	Buck Island Dam-Loon tunnel near Meeks Bay	39 00 17	120 15 21	6,425	SW,TD	--	--	D	1963-90+
11428400	Little Rubicon River below Buck Island Dam	39 00 18	120 15 19	6,410	SW	6.0	--	D	1984-90+
11428600	Middle Fork powerplant near Foresthill	39 01 30	120 35 43	--	PD,SW	--	--	D	1974-89
11428700	Hell Hole Reservoir near Meeks Bay	39 03 54	120 24 50	4,630b	Lk	114.0	1965	A	1965-90+
11428800	Rubicon River below Hell Hole Dam near Meeks Bay	39 03 24	120 24 25	4,231	SW	114.0	--	D	1965-90+
11429000	South Fork Rubicon River at sawmill near Quintette	38 56 54	120 23 57	--	SW	16.1	--	D	1910-14
11429300	Robbs Peak powerplant near Kyburz	38 53 50	120 22 38	4,880	PD,SW	--	--	D	1967-90+
11429340	Loon Lake powerplant near Meeks Bay	38 58 57	120 19 27	5,230	PD,SW	--	--	D	1974-89
11429350	Loon Lake near Meeks Bay	38 58 59	120 19 22	6,410b	Lk	7.9	1963	A	1963-90+
11429500	Gerle Creek below Loon Lake Dam near Meeks Bay	39 00 20	120 18 52	6,250	SW	8.0	--	D	1962-90+
11429600	Gerle Reservoir near Meeks Bay	38 57 59	120 23 33	--	Lk	28.7	--	A	1982-89
11429800	Robbs Peak tunnel near Riverton	38 54 12	120 22 18	--	SW,TD	--	--	D	1962-67
11430000	South Fork Rubicon River below Gerle Creek near Georgetown.	38 57 17	120 24 02	4,970	SW	47.6	--	D	1961-90+
11430500	South Fork Rubicon River at mouth near Georgetown	38 58 05	120 27 55	3,600	SW	56.9	--	D	1956-62
11431000	Rubicon River near Georgetown	38 57 30	120 29 05	3,350	SW	195.0	--	D	1910-14 1943-64
11431500	Georgetown Divide ditch above Pilot Creek near Georgetown	38 56 18	120 28 42	5,080	CD,SW	--	--	D	1950-61
11431800	Pilot Creek above Stumpy Meadows Lake	38 53 41	120 34 02	4,280	SW	11.7	--	D	1960-90+
11432000	Georgetown ditch Divide near Georgetown	38 54 12	120 36 12	4,170	CD,SW	--	--	D	1947-60
11432500	Pilot Creek near Georgetown	38 54 14	120 36 11	4,120	SW	15.1	--	D	1946-60
11433040	Pilot Creek below Mutton Canyon near Georgetown	38 55 25	120 38 27	3,760	SW	21.1	--	D	1961-90+
11433060	South Fork Long Canyon Creek diversion tunnel near Volcanoville.	39 03 04	120 28 14	4,630	SW,TD	--	--	D	1965-90+
11433065	South Fork Long Canyon Creek below diversion dam near Volcanoville.	39 03 04	120 28 14	--	SW,TD	--	--	D	1988-90+

TABLE 1. U.S. Geological Survey gaging stations in American River basin, California--Continued

Site ID number	Station name	Location			Altitude (feet above sea level)	Site type	Drainage area (square miles)	Earliest water-storage record (calendar year)	Data type	Gaging station's period of record (calendar years)
		N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)							
11433080	North Fork Long Canyon Creek diversion tunnel near Volcanoville.	39 02 57	120 28 56		4,700	SW,TD	--	--	D	1965-90+
11433085	North Fork Long Canyon Creek diversion dam near Volcanoville.	39 02 57	120 28 56		--	SW,TD	--	--	D	1988-90+
11433100	Long Canyon Creek near French Meadows	39 01 16	120 30 53		4,100	SW	18.0	--	D	1960-90+
11433200	Rubicon River near Foresthill	38 59 33	120 43 14		1,200	SW	315.0	--	D	1958-84
11433212	Oxbow powerplant near Foresthill	39 00 14	120 44 44		--	PD,SW	--	--	D	1973-89
11433260	North Fork of Middle Fork American River near Foresthill	39 01 27	120 43 03		1,300	SW	88.9	--	D	1965-84
11433300	Middle Fork American River near Foresthill	39 00 22	120 45 35		1,070	SW	524.0	--	D	1958-90+ 1979
11433400	Canyon Creek near Georgetown	38 56 03	120 52 21		1,995	SW	12.5	--	T D	1966-74 1966-79
11433420	Maine Bar Canyon Creek near Greenwood	38 55 34	120 56 51		1,520	SW	.7	--	D	1972-86
11433500	Middle Fork American River near Auburn	38 55 05	121 00 51		552	SW	614.0	--	D	1911-86
11433799	Combined flow North Fork American River plus Middle Fork American River.	38 52 20	121 03 18		--	CF,SW	--	--	D	1973-81
11433800	North Fork American River below Auburn damsite near Auburn	38 52 24	121 03 13		400	SW	973.0	--	D	1972-86
11434000	North Fork American River at Rattlesnake Bridge	38 48 50	121 05 35		344	SW	996.0	--	D	1930-55
11434500	Echo Lake conduit near Phillips	38 49 52	120 02 12		7,420	CD,SW	--	--	D	1966-90+
11434900	Lake Aloha near Phillips (Medley Lake)	38 51 36	120 08 11		--	Lk	3.4	1923	A	1980-89
11435000	Pyramid Creek near Phillips	38 50 55	120 07 40		8,050	SW	3.7	--	D	1960-70
11435100	Pyramid Creek at Twin Bridges	38 48 57	120 06 58		6,320	SW	8.7	--	D	1970-90+
11435500	South Fork American River at Kyburz	38 46 26	120 17 44		--	SW	73.2	--	D	1923-24
11435900	Silver Lake near Kirkwood	38 40 07	120 07 14		7,184	Lk	15.0	1922	A	1980-90+
11436000	Silver Lake outlet near Kirkwood	38 40 18	120 07 19		7,198	SW	15.2	--	D	1922-90+
11436500	Silver Lake Leakage No. 1 near Kirkwood	38 40 20	120 07 01		7,220	CD,SW	--	--	D	1982-89
11436950	Caples Lake near Kirkwood	38 42 27	120 02 55		7,894	Lk	13.5	1924	A	1969-70 1980-90+

11436999	Caples Lake outlet near Kirkwood (outlet only)	38 42 29	120 03 00	--	SW	13.5	--	D	1970-71 1977-89
11437000	Caples Lake outlet near Kirkwood	38 42 31	120 03 02	7,700	SW	13.5	--	D	1922-90+
11437500	Caples Lake spillway near Kirkwood	38 42 12	120 03 50	7,740	CF,SW	--	--	D	1969-71 1977-89
11438000	Silver Fork of South Fork American River near Kyburz	38 46 20	120 16 50	4,850	SW	107.0	--	D	1924-44
11439000	El Dorado Canal near Kyburz	38 45 52	120 19 09	3,903	CD,SW	--	--	D	1922-57 1966-71 1975-89
11439300	El Dorado powerplant near Pollock Pines	38 47 37	120 37 06	1,900	PD,SW	--	--	D	1982-89
11439500	South Fork American River near Kyburz (river only)	38 45 49	120 19 39	3,840	SW	193.0	--	D	1922-90+ 1966-79 1979-80 1980
11439501	South Fork American River near Kyburz (total flow)	38 45 49	120 19 39	--	CF,SW	--	--	D	1922-82 1984-89
11439950	Alder Creek pipeline diversion near Whitehall	38 45 51	120 22 28	--	SW,TD	--	--	D	1975-82
11439999	Alder Creek near Whitehall (creek only)	38 45 19	120 22 17	--	SW	22.1	--	D	1970-71 1975-81
11440000	Alder Creek near Whitehall (total flow)	38 45 19	120 22 17	3,840	CF,SW	--	--	D	1922-81
11440500	Plum Creek near Riverton	38 45 15	120 25 35	4,100	SW	7.3	--	D	1922-39
11440850	Picket Pen Creek near Kyburz	38 52 03	120 22 18	5,060	SW	.5	--	D	1964-68
11440900	Jones Fork powerplant near Kyburz	38 51 03	120 22 51	4,870	PD,SW	--	--	D	1984-89
11441000	Silver Creek at Union Valley	38 51 55	120 25 35	4,530	SW	83.0	--	D	1924-60
11441001	Union Valley Reservoir near Riverton	38 51 49	120 26 15	4,870c	Lk	83.6	1962	A	1962-89
11441002	Union Valley powerplant near Pacific	38 51 53	120 26 34	4,440	PD,SW	--	--	D	1972-89
11441100	Ice House Reservoir near Kyburz	38 49 51	120 21 35	5,450c	Lk	27.2	1959	A	1959-90+
11441500	South Fork Silver Creek near Ice House	38 49 08	120 21 51	5,290	SW	27.5	--	D	1924-90+
11441750	South Fork Silver Creek above Junction Reservoir	38 51 04	120 26 45	4,475	SW	44.5	--	D	1981-86
11441760	Junction Reservoir near Pacific	38 51 07	120 27 22	--	Lk	147.0	1962	A	1980-89
11441800	Silver Creek below Junction Reservoir	38 51 08	120 27 22	4,280	SW	147.0	--	D	1981-90+
11441890	Camino Reservoir near Pollock Pines	38 49 44	120 32 09	--	Lk	160.0	1961	A	1981-89
11441895	Camino powerplant near Pollock Pines	38 47 44	120 37 15	1,900	PD,SW	--	--	D	1973-89
11441900	Silver Creek below Camino diversion dam	38 49 26	120 32 18	2,754	SW	171.0	--	D	1960-90+
11442000	Silver Creek near Placerville	38 47 30	120 35 15	2,070	SW	177.0	--	D	1922-61

TABLE 1. U. S. Geological Survey gaging stations in American River basin, California--Continued

Site ID number	Station name	Location			Altitude (feet above sea level)	Site type	Drainage area (square miles)	Earliest water-storage record (calendar years)	Data type	Gaging station's period of record (calendar years)
		N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)							
11442500	South Fork American River below Silver Creek near Pollock Pines.	38 48 37	120 37 02		1,863	SW	449.0	--	D	1969-90+ 1980
11442690	Brush Creek Reservoir near Pollock Pines	38 48 42	120 37 14		--	Lk	8.0	1970	A	1982-89
11442700	Brush Creek below Brush Creek Dam near Pollock Pines	38 48 43	120 37 16		2,700	SW	8.0	--	D	1983-90+
11443000	American River flume near Camino	38 46 17	120 42 15		1,710	SW	501.0	--	D	1922-57
11443450	Slab Creek Reservoir near Camino	38 46 21	120 41 58		1,670	SW	493.0	--	D	1981-84 1988-90+
11443460	Whiterock powerplant near Placerville	38 45 55	120 47 09		980	PD,SW	--	--	D	1972-89
11443500	South Fork American River near Camino	38 46 23	120 42 02		1,625	SW	493.0	--	D	1922-90+
11443501	South Fork American River plus American River flume near Camino.	38 46 23	120 42 02		--	Cf,SW	--	--	D	1922-68
11444200	Rock Creek above diversion to Rock Creek powerhouse near Placerville.	38 47 40	120 46 20		--	SW	73.0	--	D	1986-90
11444201	Rock Creek near Placerville	38 47 39	120 46 28		1,305	CF,SW	--	--	D	1986-90+
11444202	Combined flows for sites 11444200 and 11444260 and 11444280 near Placerville.	--	--		--	CF,SW	--	--	D	1986-87
11444260	Rock Creek fish release above diversion near Placerville	38 47 39	120 46 28		--	SW	73.0	--	D	1986-90
11444280	Rock Creek powerhouse near Placerville	38 47 00	120 46 39		--	SW	73.0	--	D	1986-89
11444500	South Fork American River near Placerville	38 46 16	120 48 55		920	SW	598.0	--	D	1911-20 1964-90+
11445000	South Fork American River at Coloma	38 48 06	120 53 24		731	SW	631.0	--	D	1929-41
11445500	South Fork American River near Lotus	38 49 07	120 56 45		635	SW	673.0	--	D	1951-90+ 1957-62 1958-66 1959-68 1970-90+ 1978-80 1979-80 1983-90+
11446000	Weber Creek near Salmon Falls	38 45 40	120 59 20		610	SW	97.6	--	D	1943-59
11446200	Folsom Lake near Folsom	38 42 29	120 09 22		466d	Lk	1,861.0	1955	A	1955-90+ 1967-68 1985-86

¹ One sample only.

TABLE 2. U.S. Geological Survey gaging stations in Carson River basin, California and Nevada

[Source of data is U.S. Geological Survey's National Water Information System. Site ID number: U.S. Geological Survey gaging-station identification number, sequenced in downstream order for any given stream. Station name: distinctive name that briefly describes geographic feature and (or) gives location reference for gage, as stored in National Water Information System data base or as published in U.S. Geological Survey Water Resources Division annual data reports. Location: N lat, north latitude; W long, west longitude. Altitude: surface water, measured at gage; some values rounded to nearest 10 feet. Site type: Lk, lake or reservoir; SW, nonlake surface water. Data type: A, water-surface altitude, stage, or contents of lake or reservoir; C, chemical; D, discharge; T, temperature of water. Gaging station's period of record: period of daily-values data record in National Water Information System data base; 90+, station still in operation after water year 1990. --, not applicable or not determined]

Site ID number	Station name	Location		Altitude (feet above sea level)	Site type	Drainage area (square miles)	Data type	Gaging station's period of record (water years)
		N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)					
California								
10302500	East Fork Carson River above Soda Springs ranger station, near Markleeville.	38 30 00	119 41 00	6,820	SW	30.0	D	1946-51
10303000	Silver King Creek near Coleville	38 31 00	119 36 00	7,650	SW	31.6	D	1946-51
10304000	Wolf Creek near Markleeville	38 32 00	119 43 00	7,350	SW	9.8	D	1946-51
10305500	East Fork Carson River near Markleeville	38 41 20	119 45 44	5,500	SW	196.0	D	1910-12
10306000	Hot Springs Creek near Markleeville	38 42 00	119 51 00	5,880	SW	14.4	D	1946-57
10307000	Pleasant Valley Creek above Raymond Canyon Creek near Markleeville	38 39 00	119 50 00	5,950	SW	16.0	D	1946-50
10308200	East Fork Carson River below Markleeville Creek near Markleeville	38 42 50	119 45 50	5,400	SW	276.0	D	1960-90+
10309025	Indian Creek at Woodfords	38 44 54	119 48 54	5,880	SW	1.7	D	1987-90+
10309030	Indian Creek at Diamond Valley near Paynesville	38 46 37	119 45 53	5,440	SW	16.1	D	1987-90+
10309500	West Fork Carson River above Woodfords	38 47 00	119 54 00	6,860	SW	53.0	D	1946-51
10310000	West Fork Carson River at Woodfords	38 46 10	119 49 55	5,754	SW	65.4	D	1938-90+
10310300	Fredericksburg Canyon creek near Fredericksburg	38 49 38	119 47 56	--	SW	--	D	1988-90+
Nevada								
10308800	Bryant Creek near Gardnerville	38 47 38	119 40 18	5,450	SW	31.5	D	1961-69 1977-82
10309000	East Fork Carson River near Gardnerville	38 50 50	119 42 10	4,985	SW	356.0	D	1909-10 1925-29 1935-37 1939-90+
							C	1981-82
							T	1981-83

TABLE 2. U.S. Geological Survey gaging stations in Carson River basin, California and Nevada--Continued

Site ID number	Station name	Location		Altitude (feet above sea level)	Site type	Drainage area (square miles)	Data type	Gaging station's period of record (water years)
		N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)					
Nevada--Continued								
10309050	Pine Nut Creek near Gardnerville	38 51 34	119 34 02	6,340	SW	10.1	D	1980-90+
10309070	Buckeye Creek near Minden	38 58 59	119 34 23	5,640	SW	46.3	D	1980-90+
10309100	East Fork Carson River at Minden	38 56 48	119 46 45	4,716	SW	392.0	D	1974-84
10310350	Miller Spring near Sheridan	38 52 43	119 49 07	--	SW	--	D	1989-90+
10310400	Daggett Creek near Genoa	38 57 55	119 50 55	5,100	SW	3.8	D	1965-84
10310405	Carson River at Genoa	38 59 52	119 49 21	4,660	SW	570.0	D	1988-90+ 1974-81
10310500	Clear Creek near Carson City	39 06 48	119 47 50	5,000	SW	15.5	D	1948-62 1989-90+
10311000	Carson River near Carson City	39 06 30	119 42 40	4,620	SW	886.0	D	1939-90+
10311089	North Fork Kings Canyon diversion near Carson City	39 09 18	119 48 58	5,500	SW	--	D	1989-90+
10311090	North Fork Kings Canyon Creek near Carson City	39 09 17	119 48 58	5,500	SW	--	D	1989-90+
10311100	Kings Canyon Creek near Carson City	39 09 14	119 48 24	5,180	SW	4.1	D	1976-90+
10311200	Ash Canyon Creek near Carson City	39 10 35	119 48 16	5,080	SW	5.2	D	1976-90+
10311250	Vicee Canyon creek near Carson City	39 11 12	119 48 53	5,400	SW	1.3	D	1983-85
10311260	Vicee Canyon creek near Sagebrush Ranch near Carson City	39 11 02	119 48 18	5,155	SW	1.8	D	1983-85 1989-90+
10311300	Eagle Valley Creek at Carson City	39 09 56	119 43 23	4,620	SW	--	D	1985-90+
10311400	Carson River at Deer Run Road near Carson City	39 10 52	119 41 40	4,600	SW	958.0	D	1979-86
10311500	Carson River near Empire	39 10 00	119 41 00	4,560	SW	988.0	D	1900-07 1911-23
10311900	Buckland ditch near Fort Churchill	39 17 35	119 18 45	4,220	SW	--	D	1962-71
10312000	Carson River near Fort Churchill	39 17 30	119 18 40	4,214	SW	1,302.0	D	1901 1912-90+ 1972-82
10312020	Carson River near Silver Springs	39 17 35	119 15 05	--	SW	1,450.0	T	1962-70
10312100	Lahontan Reservoir near Fallon	39 27 45	119 04 00	--	Lk	1,799.0	A	1965-90+
10312150	Carson River below Lahontan Reservoir near Fallon	39 27 50	119 02 45	4,040	SW	1,950.0	D T	1966-90+ 1980-82
10312215	Stillwater Point diversion drain near Stillwater	39 29 29	118 32 22	3,915	SW	--	C,T	1988-89

10312250	Paiute Drain above D-Line Canal near Stillwater	39 35 41	118 34 10	3,879	SW	--	C,D,T	1988-89
10312260	Indian Lakes Canal near Fallon	39 34 30	118 41 30	--	SW	--	D	1980
10312265	Indian Lakes Canal below East Lake near Stillwater	39 36 21	118 34 46	3,885	SW	--	D	1978-81
10312267	D-Line Canal below East Lake near Stillwater	39 36 19	118 34 25	3,880	SW	--	D	1989
10312270	Paiute Drain at wildlife-refuge entrance near Stillwater	39 36 33	118 33 19	3,880	SW	--	D	1980-81
10312274	TJ Drain at wildlife-refuge entrance near Stillwater	39 36 32	118 33 14	3,880	SW	--	D	1989
10312275	Carson River at Tarzyn Road near Fallon	39 33 32	118 43 30	3,920	SW	--	D	1985-90+
10312280	Carson River below Fallon	39 40 10	118 39 20	3,880	SW	--	D	1967-85

TABLE 3. U.S. Geological Survey gaging stations in Truckee River basin, California and Nevada

[Source of data is U.S. Geological Survey's National Water Information System. Site ID number: U.S. Geological Survey gaging-station identification number, sequenced in downstream order for any given stream. Station name: distinctive name that briefly describes geographic feature and (or) gives location reference for gage, as stored in National Water Information System data base or as published in U.S. Geological Survey Water Resources Division annual data reports; FWM, U.S. District Court Water Master; WC, Washoe County. Location: N lat, north latitude; W long, west longitude. Altitude: if lake or reservoir, measured at gage or as indicated (a, normal maximum storage level; b, crest of spillway; c, top of spillway gates; d, spillway altitude; e, maximum observed altitude); if surface water, measured at gage; some values rounded to nearest 10 feet. Site type: Lk, lake or reservoir; SW, nonlake surface water. Data type: A, water-surface altitude, stage, or contents of lake or reservoir; C, chemical; D, discharge; S, sediment; T, temperature of water. Gaging station's period of record: Period of daily-values data record in National Water Information System data base; 1990+ or 90+, station still in operation after water year 1990. Discrepancies between earliest water-storage data record and beginning of gaging station's period of record indicate that additional data may be available from other sources. --, not applicable or not determined]

Site ID number	Station name	Location		Altitude (feet above sea level)	Site type	Drainage area (square miles)	Earliest water-storage record (calendar year)	Data type	Gaging station's period of record (calendar years)
		N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)						
California									
10336593	Grass Lake Creek near Meyers	38 48 07	120 00 54	6,470	SW	7.0	--	D, S, T	1971-74
10336600	Upper Truckee River near Meyers	38 55 22	119 59 23	6,322	SW	33.1	--	D	1960-86
10336608	Echo Lake near Phillips	38 49 52	120 02 12	--	Lk	4.8	1876	A	1980-90+
10336610	Upper Truckee River at South Lake Tahoe	38 55 22	119 59 23	6,229	SW	54.9	--	S, T D S, T C	1971-74 1971-90+ 1977-89 1980-84
10336625	Fallen Leaf Lake near Camp Richardson	38 54 00	120 04 14	6,372	Lk	16.7	1934	A	1968-90+
10336626	Taylor Creek near Camp Richardson	38 55 18	120 03 37	6,361	SW	16.7	--	D	1968-90+
10336630	Eagle Creek near Camp Richardson	38 57 05	120 06 38	6,560	SW	6.4	--	D, S, T	1971-74
10336640	Meeks Creek at Meeks Bay	39 02 09	120 07 29	6,230	SW	8.1	--	S, T D	1971-74 1971-75
10336645	General Creek near Meeks Bay	39 03 07	120 07 03	6,250	SW	7.4	--	C D, S, T	1980-84 1980-90+
10336650	Quail Lake Creek at Homewood	39 04 34	120 09 06	6,330	SW	0.9	--	D, S, T	1971-74
10336655	Madden Creek near Homewood	39 05 14	120 10 24	6,780	SW	1.4	--	D S, T	1971-73 1971-74
10336658	Madden Creek at Homewood	39 05 27	120 09 42	6,240	SW	2.0	--	D, S, T	1971-73
10336660	Blackwood Creek near Tahoe City	39 06 27	120 09 40	6,235	SW	11.2	--	D S, T C	1960-90+ 1974-90+ 1980-83

10336670	Ward Creek near Tahoe Pines	39 08 09	120 13 11	6,740	SW	2.0	--	D,S,T	1972-76
10336672	Ward Creek tributary near Tahoe Pines	39 08 29	120 13 06	6,710	SW	0.9	--	D,S,T	1972-76
10336676	Ward Creek at Highway 89 near Tahoe Pines	39 07 56	120 09 24	6,230	SW	9.7	--	S,T D C	1972-90+ 1972-90+ 1979-83
10336684	Dollar Creek near Tahoe City	39 11 55	120 05 50	6,310	SW	1.1	--	D,S,T	1972-74
10336689	Snow Creek at Tahoe Vista	39 14 18	120 02 19	6,225	SW	--	--	D,S C T	1980-85 1981-84 1981-85
10336780	Trout Creek near Tahoe Valley	38 55 12	119 58 17	6,242	SW	36.7	--	D S,T C	1960-90+ 1973-74 1977-88 1979-84
10336785	Heavenly Valley Creek near Tahoe Valley	38 55 17	119 58 13	--	SW	3.1	--	D	1988-90+
10336790	Trout Creek at South Lake Tahoe	38 55 56	119 58 40	6,240	SW	40.4	--	D,S,T	1971-74 1988-90+
10337000	Lake Tahoe at Tahoe City	39 10 51	120 07 06	6,220	Lk	504.0	1874	G	1965-90+
10337500	Truckee River at Tahoe City	39 09 59	120 08 36	6,217	SW	507.0	--	D	1895 1909-90+
10338000	Truckee River near Truckee	39 17 30	120 12 30	5,860	SW	552.0	--	D C D,T	1944-61 1977-81 1977-82
10338400	Donner Lake near Truckee	39 19 30	120 16 53	5,936a	Lk	14.0	1928	D	1989-90+
10338500	Donner Creek at Donner Lake near Truckee	39 19 25	120 14 00	5,924	SW	14.3	--	D	1929-52 1955-90+
10339250	Martins Creek at Highway 267 near Truckee	39 18 08	120 07 13	--	SW	25.8	--	T	1973-88 1985-86
10339380	Martins Creek Lake near Truckee	39 19 38	120 06 48	5,838b	Lk	39.6	1971	A C	1972-90+ 1973-74
10339400	Martins Creek near Truckee	39 19 44	120 07 00	5,730	SW	39.9	--	D T	1958-90+ 1973-90+
10340300	Prosser Creek Reservoir near Truckee	39 22 45	120 08 25	-- 5,741	Lk	50.5	1963	D	1964-78 1987-90+
10340500	Prosser Creek below Prosser Creek Dam near Truckee	39 22 24	120 07 50	5,602	SW	52.9	--	D	1942-90+
10342000	Little Truckee River near Hobart Mills	39 30 05	120 16 35	6,290	SW	36.5	--	D	1947-72
10342900	Independence Lake near Truckee	39 27 07	120 17 23	6,949a	Lk	7.5	1939	A	1988-90+
10343000	Independence Creek near Truckee	39 27 20	120 17 13	6,920	SW	8.1	--	D	1968-90+
10343500	Sagehen Creek near Truckee	39 25 54	120 14 13	6,320	SW	10.5	--	D T	1953-90+ 1969-74
10344300	Stampede Reservoir near Boca	39 28 24	120 06 06	5,949b	Lk	136.0	1969	A	1970-90+

TABLE 3. U.S. Geological Survey gaging stations in Truckee River basin, California and Nevada--Continued

Site ID number	Station name	Location		Altitude (feet above sea level)	Site type	Drainage area (square miles)	Earliest water-storage data record (calendar year)	Data type	Gaging station's period of record (calendar years)
		N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)						
California--Continued									
10344400	Little Truckee River above Boca Reservoir near Truckee	39 26 09	120 05 00	5,619	SW	146.0	--	D	1939-90+
10344490	Boca Reservoir near Truckee	39 23 20	120 05 43	5,605c	Lk	172.0	1938	A	1942 1960-90+
10344500	Little Truckee River below Boca Dam near Truckee	39 23 13	120 05 40	5,500	SW	173.0	--	D	1911-15 1939-90+ 1980
10345900	Truckee River at Floriston	39 23 40	120 01 25		SW	932.0	--	C,T	1964-71
10346000	Truckee River at Farad	39 25 41	120 01 59	5,153	SW	932.0	--	D	1890 1899-1990+
10349350	FWM Steamboat ditch near Floriston	39 29 21	119 59 16	4,980	SW	--	--	D	1944-78
Nevada									
10336500	Pyramid Lake near Nixon	39 59 05	119 30 00	3,940	Lk	2,720.0	--	A	1867-1990+ 1911-17 1922 1924 1926-90+
10336698	Third Creek near Crystal Bay	39 14 26	119 56 44	6,234	SW	6.1	--	D	1969-73 1975
10336695	Incline Creek at Highway 28 at Incline Village	39 14 44	119 56 17	6,330	SW	--	--	D	1977-90+ 1980-84 1980-85
10336700	Incline Creek near Crystal Bay	39 14 25	119 56 38	6,247	SW	7.0	--	D	1969-75 1987-90+
10336710	Marlette Lake near Carson City	39 10 22	119 54 15	7,838d	Lk	2.9	1873	A	1973-90+
10336715	Marlette Creek near Carson City	39 10 20	119 54 25	7,760	SW	2.9	--	D	1973 90+
10336730	Glenbrook Creek at Glenbrook	39 05 15	119 56 20	6,240	SW	4.1	--	D	1971-75 1987-90+
10336740	Logan House Creek near Glenbrook	39 04 00	119 56 04	6,640	SW	2.1	--	S	1983-87 1983-90+
10336756	Edgewood Creek tributary near Daggett Pass	38 58 32	119 54 00	--	SW	--	--	D	1981-83

10336757	Tributary of Edgewood Creek tributary near Tahoe Village	38 58 24	119 54 03	--	SW	--	--	D	1981-83
10336758	Edgewood Creek tributary at Highland Drive near Tahoe Village.	38 58 22	119 54 30	--	SW	--	--	D	1981-83
103367585	Edgewood Creek at Palisade Drive near Kingsbury	38 58 00	119 54 54	6,640	SW	--	--	D	1989-90+
10336759	Edgewood Creek near Stateline	38 57 50	119 55 24	6,420	SW	3.2	--	D, S	1982-87
103367592	Eagle Rock Creek near Stateline	38 57 24	119 55 36	6,480	SW	--	--	D	1989-90+
10336765	Edgewood Creek at Lake Tahoe near Stateline	38 58 05	119 56 54	--	SW	--	--	D	1989-90+
10347331	FWM Katz diversion near Verdi	39 31 13	119 59 16	--	SW	--	--	D	1944-78
10347336	Truckee River near Verdi	39 31 10	119 58 19	--	SW	--	--	T	1980
10347390	FWM Coldron ditch at Verdi	39 31 12	119 59 51	--	SW	--	--	D	1944-78
10347420	FWM Highland ditch at Reno	39 31 06	119 57 28	--	SW	--	--	D	1944-78
10347600	Hunter Creek near Reno	39 29 25	119 53 55	5,070	SW	11.5	--	D	1961-71 1977-81
10347620	FWM Hunter Creek below Sierra Pacific Power Company diversion near Reno.	39 30 13	119 53 22	--	SW	--	--	D	1979
10347695	FWM South Side ditch near Reno	39 30 33	119 52 32	--	SW	--	--	D	1944-77
10347800	Peavine Creek near Reno	39 32 35	119 51 55	4,990	SW	2.3	--	D	1963-74
10348000	Truckee River at Reno	39 31 53	119 47 07	4,432	SW	1,067.0	--	D	1906-21 1925 1930-35 1943 1946-90+ 1989-90+
10348150	FWM Sessions ditch near Reno	39 31 37	119 46 32	--	SW	--	--	D	1944-78
10348200	Truckee River near Sparks	39 31 11	119 44 27	4,390	SW	1,070.0	--	D	1974-90+ 1980 1988-89
10348210	FWM Orr ditch near Reno	39 30 43	119 51 11	--	SW	--	--	D	1944-78
10348270	FWM North Truckee ditch at Reno	39 33 48	119 43 47	--	SW	--	--	D	1944-78
10348275	FWM Sullivan and Kelly ditch at Sparks	39 31 49	119 46 47	--	SW	--	--	D	1944-57
10348300	North Truckee Drain at Kleppe Lane near Sparks	39 31 30	119 42 18	4,383	SW	--	--	D	1976-80
10348310	FWM Glendale ditch near Sparks	39 31 11	119 45 44	--	SW	--	--	D	1944-78
10348460	Franktown Creek near Carson City	39 12 12	119 52 17	7,380	SW	3.2	--	D	1974-90+
10348500	Franktown Creek at Franktown	39 16 00	119 51 00	5,200	SW	14.0	--	D	1948-58
10348700	Washoe Lake near Carson City	39 14 08	119 46 02	5,020	Lk	83.8	--	A	1987-89
10348800	Little Washoe Lake near Steamboat	39 19 45	119 48 00	5,032e	Lk	83.8	--	A	1970-82
10348850	Galena Creek at Galena State Park	39 21 16	119 51 27	6,320	SW	--	--	D	1984-90+

TABLE 3. U. S. Geological Survey gaging stations in Truckee River basin, California and Nevada--Continued

Site ID number	Station name	Location		Altitude (feet above sea level)	Site type	Drainage area (square miles)	Earliest water-storage data record (calendar year)	Data type	Gaging station's period of record (calendar years)
		N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)						
Nevada--Continued									
10348900	Galena Creek near Steamboat	39 21 43	119 49 37	5,592	SW	8.5	--	D	1961-90+
10349300	Steamboat Creek at Steamboat	39 22 40	119 44 33	4,600	SW	123.0	--	D	1961-90+
10349495	WC-1 Steamboat Creek at Geiger Grade near Steamboat	39 24 08	119 44 38	--	SW	--	--	D	1982
10349700	Whites Creek near Steamboat	39 23 04	119 50 21	5,955	SW	8.0	--	D	1961-66
10349710	WC-2 Whites Creek near Steamboat	39 23 05	119 50 13	--	SW	--	--	D	1982
10349740	FWM Last Chance ditch at Hunters Creek near Reno	39 30 14	119 53 22	--	SW	--	--	D	1944-78
10349810	FWM Lake ditch at Mayberry Drive near Reno	39 30 20	119 50 52	--	SW	--	--	D	1944-78
10349831	WC-3 Thomas Creek near Steamboat	39 23 31	119 50 14	--	SW	--	--	D	1982
10349848	WC-5 Alexander ditch at Short Road, Sparks	39 27 46	119 43 44	--	SW	--	--	D	1982
10349849	WC-4 Steamboat Creek at Short Road, Sparks	39 27 47	119 43 41	--	SW	--	--	D	1982
10349938	FWM Cochran ditch at Reno	39 31 28	119 48 47	--	SW	--	--	D	1944-78
10349971	FWM Pioneer ditch at Reno	39 31 12	119 46 00	--	SW	--	--	D	1944-78
10349974	FWM Eastman ditch at Reno	39 31 35	119 46 31	4,430	SW	--	--	D	1944-78
10349980	Steamboat Creek at Kimlick Lane near Reno	39 30 47	119 42 41	4,375	SW	--	--	D	1976-80
10350000	Truckee River at Vista	39 31 05	119 40 58	4,369	SW	1,431.0	--	D	1900-07 1932-90+ 1988-89
10350002	FWM Truckee River at Vista	39 31 05	119 40 58	--	SW	--	--	D	1944-78
10350048	FWM Largomarsino-Noce ditch near Vista	39 30 35	119 39 43	--	SW	--	--	D	1944-78
10350050	Truckee River at Lockwood	39 30 36	119 38 52	4,340	SW	1,433.0	--	T	1980-81
10350130	FWM Groton ditch at Lockwood	39 30 44	119 38 36	--	SW	--	--	D	1944-78
10350140	FWM Sheep Ranch ditch near Lockwood	39 30 46	119 37 55	--	SW	--	--	D	1944-78
10350150	FWM Largomarsino-Murphy ditch near Vista	39 30 29	119 38 39	--	SW	--	--	D	1944-78
10350320	FWM McCarran ditch near Patrick	39 32 16	119 35 43	--	SW	--	--	D	1944-78
10350390	Truckee River above Tracy	39 33 58	119 31 46	4,238	SW	1,590.0	--	T	1972-81

10350400	Truckee River below Tracy	39 33 52	119 31 02	4,238	SW	1,590.0	--	T	1972-82 1972-90+
10350405	Truckee River right bank below Tracy	39 33 52	119 31 02	--	SW	1,590.0	--	T	1972-81
10350475	FWM Hill ditch at headgate near Tracy	39 33 47	119 32 25	--	SW	--	--	D	1944-78
10350500	Truckee River at Clark	39 33 55	119 29 02	4,230	SW	1,600.0	--	D	1909-15 1950-59 1972-90+ 1983-88
10351000	Truckee River at Derby Dam	39 35 08	119 26 54	4,200	SW	--	--	T	1980
10351010	FWM Truckee Canal below Derby Dam near Wadsworth	39 35 08	119 26 53	--	SW	--	--	D	1944-78
10351300	Truckee Canal near Wadsworth	39 36 25	119 18 35	4,200	SW	--	--	D	1966-90+
10351350	Fernley A-Drain near Fernley	39 36 00	119 12 10	4,110	SW	--	--	D	1968
10351356	Fernley A-Drain at Powerline Crossing near Fernley	39 36 07	119 09 59	4,060	SW	--	--	D	1989
10351400	Truckee Canal near Hazen	39 30 10	119 02 47	4,167	SW	--	--	D	1966-90+
10351590	Truckee Canal at U.S. Highway 50 above Lahontan Reservoir	39 28 09	119 04 00	4,170	SW	--	--	T	1980-82
10351600	Truckee River below Derby Dam near Wadsworth	39 35 05	119 26 25	4,200	SW	1,676.0	--	D	1918-90+ 1988-90+
10351602	FWM Truckee River at Derby Dam	39 35 05	119 26 25	--	SW	--	--	D	1944-78
10351615	FWM Washburn ditch at Orchard	39 35 17	119 23 15	--	SW	--	--	D	1944-78
10351630	FWM Pierson ditch at Wadsworth	39 36 46	119 18 24	--	SW	--	--	D	1944-78
10351635	FWM Herman ditch near Wadsworth	39 36 48	119 18 33	--	SW	--	--	D	1944-78
10351638	FWM Gregory-Monte ditch near Wadsworth	39 35 50	119 21 31	--	SW	--	--	D	1944-78
10351650	Truckee River at Wadsworth	39 38 23	119 16 54	4,037	SW	1,728.0	--	T	1965-80 1965-86
10351660	FWM Fellnagle ditch near Wadsworth	39 38 40	119 17 25	--	SW	--	--	D	1944-78
10351668	FWM Proctor ditch at Wadsworth	39 38 02	119 16 51	--	SW	--	--	D	1944-78
10351682	FWM Gardella ditch near Wadsworth	39 41 07	119 16 30	--	SW	--	--	D	1944-78
10351700	Truckee River near Nixon	39 46 40	119 20 10	3,940	SW	1,827.0	--	D	1957-90+ 1980-90+
10351755	FWM Indian ditch near Nixon	39 47 33	119 20 43	--	SW	--	--	D	1944-78
10351775	Truckee River at Marble Bluff Dam	39 51 20	119 23 32	--	SW	--	--	T	1980-89

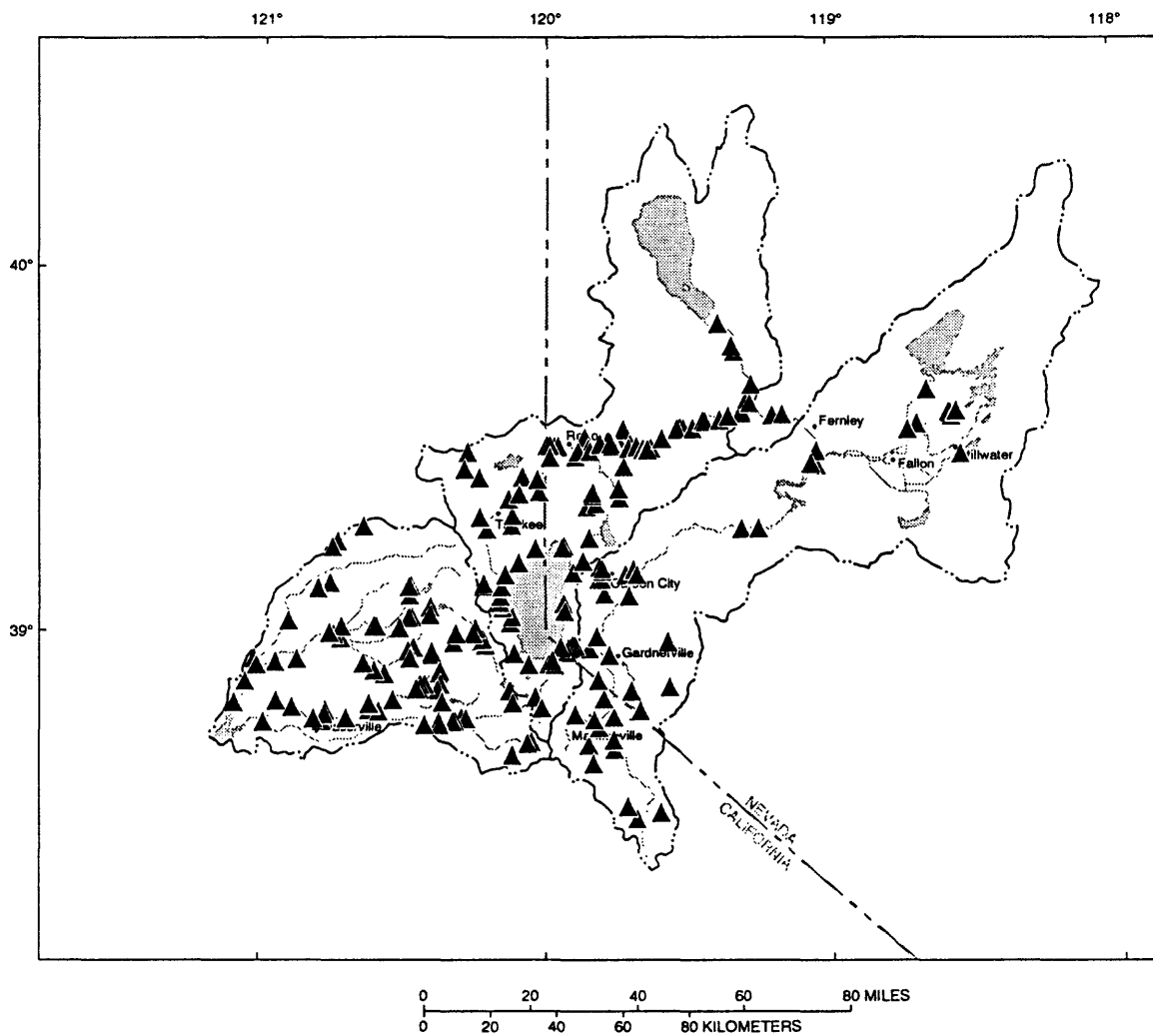


Figure 4. U.S. Geological Survey stream-gaging stations in American River, Carson River, and Truckee River basins, California and Nevada. (See tables 1 to 3 and figures 1 and 2.)

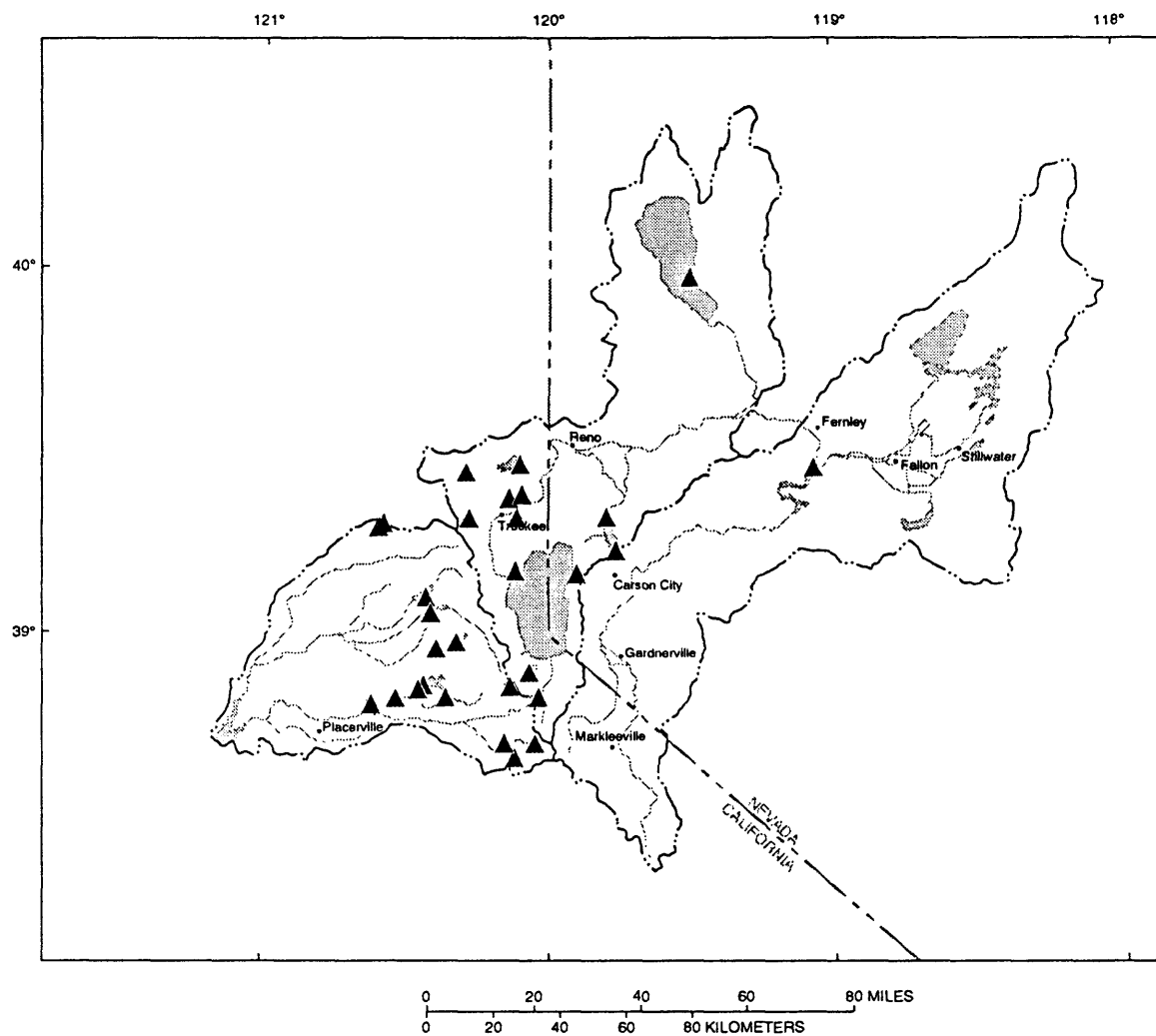


Figure 5. U.S. Geological Survey gaging stations at lakes or reservoirs in American River, Carson River, and Truckee River basins, California and Nevada. (See tables 1 to 3 and figures 1 and 2.)

TABLE 4. U.S. Geological Survey gaging stations in Gunnison River basin, Colorado

[Source of data is U.S. Geological Survey's National Water Information System. Site ID number: U.S. Geological Survey gaging-station identification number, sequenced in downstream order for any given stream. Station name: distinctive name that briefly describes geographic feature and (or) gives location reference for gage, as stored in National Water Information System data base or as published in U.S. Geological Survey Water Resources Division annual data reports. Location: N lat, north latitude; W long, west longitude. Altitude: if lake or reservoir, measured at gage or as indicated (a, streambed at dam); if surface water, measured at gage; some values rounded to nearest 10 feet. Site type: Lk, lake or reservoir; SW, nonlake surface water; TD, tunnel diversion. Data type: A, water-surface altitude, stage, or contents of lake or reservoir; D, discharge; QW, water quality; S, sediment; SC, specific conductance; T, temperature of water. Gaging station's period of record: period of daily-values data record in National Water Information System data base; 90+, station still in operation after water year 1990. Discrepancies between earliest data record and beginning of gaging station's period of record indicate that additional data may be available from other sources. --, not applicable or not determined]

Site ID number	Station name	Location			Altitude (feet above sea level)	Site type	Drainage area (square miles)	Earliest data record (calendar year)	Data type	Gaging station's period of record (calendar years)
		N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)							
09107000	Taylor River at Taylor Park	38 50 59	106 34 21		9,280	SW	131	1929	D	1929-34 1987-90+
09107500	Texas Creek at Taylor Park	38 50 41	106 34 12		9,380	SW	40.4	1929	D	1929-34 1987-90+
09108000	Willow Creek at Taylor Park	38 48 58	106 31 44		--	SW	59.3	1913	D	1913-14 1929-34
09108500	Taylor Park Reservoir at Taylor Park	38 49 05	106 36 15		9,187	Lk	254	1937	A	1937-90+
09109000	Taylor River below Taylor Park Reservoir	38 49 06	106 36 31		9,170	SW	254	1913	D	1929-34 1938-90+
09109500	Taylor River near Almont	38 45 39	106 40 53		--	SW	313	1905	D	1905
09110000	Taylor River at Almont	38 39 52	106 50 41		8,011	SW	477	1910	D	1910-90+
09110500	East River near Crested Butte	38 51 52	106 54 33		8,880	SW	90.3	1939	D	1939-51
09111000	Coal Creek near Crested Butte	38 51 23	107 03 19		9,496	SW	8.65	1941	D	1941-46
09111500	Slate River near Crested Butte	38 51 56	106 58 02		8,827	SW	70.1	1940	D	1940-51
09112000	Cement Creek near Crested Butte	38 49 28	106 51 08		9,050	SW	26.1	1910	D	1910-13 1940-51
09112200	East River below Cement Creek near Crested Butte	38 47 24	106 52 21		8,450	SW	235	1963	D	1963-72 1979-81
09112500	East River at Almont	38 39 52	106 50 51		8,006	SW	289	1905	D	1905 1910-22 1934-90+ 1987-90+
09113000	Castle Creek near Baldwin	38 45 59	107 06 03		8,850	SW	20.3	1944	D	1944-50
09113300	Ohio Creek at Baldwin	38 45 56	107 03 28		8,600	SW	47.2	1958	D	1958-70

09113500	Ohio Creek near Baldwin	38 42 08	106 59 52	8,230	SW	121	1940	D	1940-50 1958-71 1979-81
09114000	Ohio Creek near Gunnison	38 34 31	106 56 17	7,730	SW	167	1944	D	1944-50
09114500	Gunnison River near Gunnison	38 32 31	106 56 57	7,655	SW	1,010	1910	D	1910-28 1944-90+ 1987-90+
09115500	Tomichi Creek at Sargents	38 23 42	106 25 19	8,416	SW	149	1916	D	1916-22 1937-72
09116000	Tomichi Creek near Doyleville	38 24 45	106 30 24	8,215	SW	209	1944	D	1944-50
09116500	Razor Creek near Doyleville	38 23 08	106 40 23	--	SW	52.8	1955	D	1955-56
09117000	Tomichi Creek at Parlin	38 29 50	106 43 32	7,910	SW	427	1944	D	1944-51 1963-70
09117500	Quartz Creek near Pitkin	38 35 23	106 31 39	--	SW	55.9	1910	D	1910-13
09118000	Quartz Creek near Ohio City	38 33 35	106 38 09	8,430	SW	106	1937	D	1937-50 1959-70
09118450	Cochetopa Creek below Rock Creek near Parlin	38 20 08	106 46 18	8,475	SW	334	1981	D	1981-90+
09118500	Cochetopa Creek near Parlin	38 24 00	106 45 53	8,132	SW	361	1940	D	1940-48
09119000	Tomichi Creek at Gunnison	38 31 18	106 56 25	7,629	SW	1,060	1937	D	1937-90+
09119500	Beaver Creek at Hierro	38 29 42	107 01 49	--	SW	36.0	1940	D	1940-43
09120000	Steuben Creek at Elkhorn	38 39 32	107 03 04	--	SW	25.7	1940	D	1940-43
09120500	Gunnison River at Iola	38 28 57	107 05 18	7,435	SW	2,350	1899	D	1899-1903 1939-51
09121500	Cebolla Creek near Lake City	38 58 52	107 10 05	10,200	SW	25.2	1946	D	1946-54
09121800	Cebolla Creek near Powderhorn	38 13 39	107 04 22	8,285	SW	248	1960	D	1960-63
09122000	Cebolla Creek at Powderhorn	38 17 29	107 06 50	8,000	SW	340	1937	D	1937-55
09122500	Soap Creek near Sapinero	38 33 39	107 18 58	7,790	SW	57.4	1955	D	1955-66
09123000	Soap Creek at Sapinero	38 28 30	107 17 54	7,227	SW	86.0	1910	D	1910-14 1945-52
09123400	Lake Fork below Mill Gulch near Lake City	37 54 23	107 23 03	9,400	SW	57.5	1981	D	1981-86
09123500	Lake Fork at Lake City	38 01 30	107 18 28	8,665	SW	115	1917	D	1917-24 1928-30 1931-37
09124000	Henson Creek at Lake City	38 01 11	107 20 05	8,750	SW	83.1	1917	D	1917-19 1931-37
09124500	Lake Fork at Gateview	38 17 56	107 13 46	7,828	SW	334	1937	D	1937-90+
09124600	Blue Mesa Reservoir near Sapinero	38 27 13	107 20 00	--	Lk	3,430	1965	A	1965-89
09124700	Gunnison River below Blue Mesa Dam	38 27 08	107 20 51	7,149	SW	3,450	1963	D	1963-68

TABLE 4. U.S. Geological Survey gaging stations in Gunnison River basin, Colorado--Continued

Site ID number	Station name	Location		Altitude (feet above sea level)	Site type	Drainage area (square miles)	Earliest data record (calendar year)	Gaging station's period of record (calendar years)
		N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)					
09125000	Curecanti Creek near Sapinero	38 29 16	107 24 52	7,867	SW	35.0	1945	1945-72
09125400	Morrow Point Reservoir near Cimarron	38 27 05	107 32 12	--	Lk	--	1968	1968-89
09125800	Silver Jack Reservoir near Cimarron	38 13 58	107 32 28	8,800a	Lk	--	1988	1988-90+
09126000	Cimarron River near Cimarron	38 15 45	107 32 39	8,631	SW	66.6	1954	1954-90+
09126500	Cimarron River at Cimarron	38 26 28	107 33 13	6,890	SW	209	1902	1902-05 1962-67
09127000	Cimarron River below Squaw Creek near Cimarron	38 26 47	107 33 18	6,864	SW	229	1942	1942-52
09127500	Crystal Creek near Maher	38 33 07	107 30 20	8,070	SW	42.2	1945	1945-54 1960-69
09127998	Gunnison River above Gunnison Tunnel	38 31 34	107 38 56	6,530	SW	3,960	1905	1905-65
09127999	Gunnison Tunnel near Montrose	38 31 37	107 38 57	--	SW,TD	3,960	1915	1915-65
09128000	Gunnison River below Gunnison Tunnel	38 31 45	107 38 54	6,526	SW	3,960	1910	1910-90+
09128500	Smith Fork near Crawford	38 43 40	107 30 22	7,091	SW	42.8	1935	1935-90+
09129000	Smith Fork at Crawford	38 42 38	107 34 32	6,580	SW	63.1	1954	1954-60
09129500	Iron Creek near Crawford	38 40 51	107 36 07	6,444	SW	71.5	1947	1947-52
09129600	Smith Fork near Lazear	38 42 27	107 42 35	5,830	SW	166	1976	1976-87
09129800	Clear Fork near Ragged Mountain	39 08 36	107 25 50	7,450	SW	38.5	1965	1965-73 1965-83
09130000	East Muddy Creek near Ragged Mountain	39 05 26	107 23 02	--	SW	80.8	1935	1935-36
09130500	East Muddy Creek near Bardine	39 00 48	107 21 28	6,655	SW	133	1934	1934-53
09130600	West Muddy Creek near Ragged Mountain	39 07 51	107 34 29	8,658	SW	7.42	1955	1955-65
09130800	West Muddy Creek near Bowie	39 06 56	107 31 26	8,240	SW	27.7	1968	1968-74
09131000	Cow Creek near Bowie	39 05 31	107 38 38	--	SW	--	1938	1938-43
09131100	Cow Creek near Paonia	39 06 15	107 35 02	9,060	SW	12.0	1969	1968-82 1969-83
09131200	West Muddy Creek near Somerset	39 05 23	107 30 17	8,020	SW	49.9	1961	1961-73
09131495	Paonia Reservoir near Bardine	38 56 39	107 21 06	6,290a	Lk	--	1961	1961-90+
09131500	Muddy Creek at Bardine	38 56 24	107 21 27	6,266	SW	257	1949	1949-55

09132000	Ruby Anthracite Creek near Floresta	38 51 47	107 09 48	8,805	SW	20.7	1938	D	1938-43 1954-58
09132050	Anthracite Creek near Somerset	38 57 14	107 16 23	6,750	SW	94.6	1977	D	1977-81 1978-81
09132500	North Fork Gunnison River near Somerset	38 55 33	107 26 01	6,039	SW	526	1933	D	1933-90+ 1959-82 1987-90+
09132700	Main Hubbard Creek near Paonia	39 03 25	107 37 44	9,710	SW	1.33	1960	D	1960-68
09132800	Middle Hubbard Creek near Paonia	39 02 58	107 37 13	9,650	SW	1.36	1960	D	1960-68
09132900	West Hubbard Creek near Paonia	39 01 56	107 36 47	9,640	SW	2.34	1960	D	1960-73
09132920	Hubbard Creek near Bowie	39 02 41	107 33 58	8,440	SW	20.7	1968	D	1968-74
09133000	North Fork Gunnison River near Paonia	38 53 57	107 33 47	5,750	SW	653	1922	D	1922-30 1932
09133500	East Fork Minnesota Creek near Paonia	38 49 22	107 26 57	--	SW	6.06	1941	D	1941-43
09134000	Minnesota Creek near Paonia	38 52 13	107 30 06	6,200	SW	41.5	1936	D,T	1936-47 1985-90+
09134050	Minnesota Creek at Paonia	38 52 27	107 35 18	5,660	SW	53.5	1976	D	1976-79
09134200	Cottonwood Creek near Hotchkiss	38 48 22	107 41 12	5,385	SW	41.0	1976	D	1976-79
09134500	Leroux Creek near Cedaredge	38 55 35	107 47 35	7,255	SW	34.5	1936	D	1936-56 1960-69
09134700	Cow Creek near Cedaredge	38 55 34	107 47 31	7,268	SW	7.24	1960	D	1960-69
09135000	Leroux Creek near Lazear	38 52 52	107 47 07	6,480	SW	51.8	1917	D	1917-26
09135500	Leroux Creek near Hotchkiss	38 49 24	107 46 30	5,740	SW	61.5	1939	D	1939-43
09135900	Leroux Creek at Hotchkiss	38 47 53	107 43 53	5,315	SW	66.7	1976	D	1976-90+
09136000	North Fork Gunnison River near Hotchkiss	38 47 45	107 42 36	--	SW	838	1903	D	1903-05
09136200	Gunnison River near Lazear	38 46 59	107 50 14	5,090	SW	5,240	1962	D	1962-85
09136500	Current Creek near Cedaredge	38 51 00	107 53 14	5,750	SW	42.2	1948	D	1948-54
09137000	Current Creek near Eckert	38 50 30	107 53 14	--	SW	44.5	1940	D	1940-43
09147022	Ridgway Reservoir near Ridgway	38 14 09	107 45 27	6,680a	Lk	260	1988	A	1988-90+
09137050	Current Creek near Read	38 47 05	107 56 18	5,035	SW	56.9	1976	D	1976-87
09137500	Gunnison River near Cory	38 46 22	108 00 07	4,960	SW	5,400	1903	D	1903-05
09137800	Dirty George Creek near Grand Mesa	38 56 41	108 01 39	7,260	SW	10.6	1957	D	1957-69
09138000	Dirty George Creek near Cedaredge	38 55 11	107 59 32	5,910	SW	26.3	1939	D	1939-46
09138500	West Ward Creek below Island Lake Reservoir near Grand Mesa.	39 01 59	108 00 04	--	SW	1.27	1939	D	1939-43
09138900	East Ward Creek below Deep Slough Reservoir near Grand Mesa.	39 01 14	107 59 33	--	SW	3.04	1939	D	1939-43

TABLE 4. U.S. Geological Survey gaging stations in Gunnison River basin, Colorado--Continued

Site ID number	Station name	Location			Altitude (feet above sea level)	Site type	Drainage area (square miles)	Earliest data record (calendar year)	Data type	Gaging station's period of record (calendar years)
		N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)							
09139200	Ward Creek near Grand Mesa	38 59 01	107 58 17		8,090	SW	12.2	1957	D	1957-69
09139500	Ward Creek near Cedaredge	38 55 37	107 58 36		6,225	SW	20.4	1939	D	1939-46
09140000	Kiser Creek at Grand Mesa	39 01 59	107 56 54		--	SW	2.40	1942	D	1942-43
09140200	Kiser Creek near Grand Mesa	38 59 12	107 56 35		7,970	SW	5.35	1957	D	1957-69
09140500	Kiser Creek near Cedaredge	38 55 46	107 57 07		6,250	SW	10.8	1939	D	1939-46
09140700	Cottonwood Creek near Grand Mesa	38 55 38	107 57 00		--	SW	2.15	1957	D	1957-68
09141000	Cottonwood Creek near Cedaredge	38 55 48	107 57 10		6,280	SW	4.39	1939	D	1939-46
09141200	Youngs Creek near Grand Mesa	38 57 29	107 55 05		7,160	SW	10.3	1957	D	1957-69
09141500	Youngs Creek near Cedaredge	38 55 22	107 56 49		6,205	SW	11.3	1942	D	1942-46
09142000	Ward Creek below Kiser Creek near Cedaredge	38 53 40	107 58 15		5,660	SW	52.2	1944	D	1944-52
09142500	Surface Creek below Park Reservoir near Grand Mesa	39 02 06	107 52 16		--	SW	5.27	1939	D	1939-41
09143000	Surface Creek near Cedaredge	38 59 05	107 51 13		8,261	SW	27.4	1939	D	1939-90+
09143500	Surface Creek at Cedaredge	38 54 06	107 55 14		6,220	SW	39.0	1917	D	1917-90+ 1989-90+
09144000	Surface Creek at Eckert	38 50 01	107 58 16		5,450	SW	43.6	1939	D	1939-51
09144200	Tongue Creek at Cory	38 47 16	107 59 41		5,030	SW	197	1957	D	1957-68 1976-83
09144250	Gunnison River at Delta	38 45 01	108 04 06		4,920	SW	5,630	1976	D	1976-90+ 1987-90+
09144500	Red Mountain Creek near Ironton	37 57 46	107 39 44		9,586	SW	18.1	1947	D	1947-53
09145000	Uncompahgre River at Ouray	38 01 09	107 40 32		7,800	SW	42.0	1908	D	1908 1910-24
09145500	Canyon Creek at Ouray	38 01 11	107 40 32		7,750	SW	25.8	1910	D	1910-15
09146000	Uncompahgre River below Ouray	38 01 52	107 40 28		7,670	SW	75.2	1913	D	1913-29
09146200	Uncompahgre River near Ridgway	38 11 02	107 44 43		6,878	SW	149	1958	D	1958-90+
09146400	West Fork Dallas Creek near Ridgway	38 04 25	107 51 02		8,400	SW	14.1	1955	D	1955-70
09146500	East Fork Dallas Creek near Ridgway	38 05 36	107 48 47		7,980	SW	16.8	1947	D	1947-53 1960-70
09146550	Beaver Creek near Ridgway	38 06 59	107 49 03		7,680	SW	12.2	1960	D	1960-68

09146600	Pleasant Valley Creek near Noel	38 08 44	107 55 09	8,680	SW	8.17	1955	D	1955-67
09147000	Dallas Creek near Ridgway	38 10 40	107 45 28	6,980	SW	97.2	1922	D	1922-27 1955-71 1979-90+
09147025	Uncompahgre River below Ridgway Reservoir	38 14 17	107 45 31	6,650	SW	260	1988	D	1988-90+
09147100	Cow Creek near Ridgway	38 08 58	107 38 39	7,620	SW	45.4	1955	D	1955-73
09147500	Uncompahgre River at Colona	38 19 53	107 46 44	6,319	SW	448	1903	D	1903-05 1912-90+
09148000	Uncompahgre River at Fort Crawford	38 22 37	107 48 32	6,145	SW	482	1895	D	1895-99 1908-10
09148500	Uncompahgre River near Fort Crawford	38 24 36	107 49 44	--	SW	491	1910	D	1910-11
09149000	Uncompahgre River at Montrose	38 28 31	107 53 07	--	SW	569	1900	D	1900 1903-23
09149400	Spring Creek near Beaver Hill	38 31 26	107 58 14	6,320	SW	41.6	1977	D	1977-81
09149420	Spring Creek near Montrose	38 23 32	107 56 40	5,570	SW	76.6	1977	D	1977-81
09149450	Dry Creek near Olathe	38 33 19	108 02 43	5,550	SW	102	1978	A	1978-89
09149500	Uncompahgre River at Delta	38 44 31	108 04 49	4,927	SW	1,110	1903	D	1903-90+
09149900	Potter Creek near Columbine Pass	38 28 47	108 18 46	7,835	SW	7.10	1980	D SC,T	1980-81 1981
09149910	Potter Creek near Olathe	38 36 54	108 12 22	5,410	SW	26.0	1980	D SC,T	1980-81 1981
09150000	Roubideau Creek near Delta	38 41 35	108 08 51	--	SW	164	1939	D	1939-41
09150500	Roubideau Creek at mouth near Delta	38 44 06	108 09 40	4,864	SW	242	1938	D	1938-54 1976-83
09151500	Escalante Creek near Delta	38 45 24	108 15 34	4,810	SW	209	1922	D	1922-23 1976-89
09151700	Deer Creek tributary near Dominguez	38 51 30	108 18 53	--	SW	4.79	1971	A	1971-89
09152000	Kannah Creek near Whitewater	38 57 42	108 13 47	6,060	SW	61.9	1917	D	1917-21 1922-82
09152500	Gunnison River near Grand Junction	38 59 00	108 27 00	4,628	SW	7,930	1896	D	1896-99 1901-06 1916-90+ 1969-90+ T QW,S,SC 1975-90+
09152600	Orchard Mesa drain at Grand Junction	39 02 49	108 34 17	4,565	SW	3.70	1973	D	1973-83

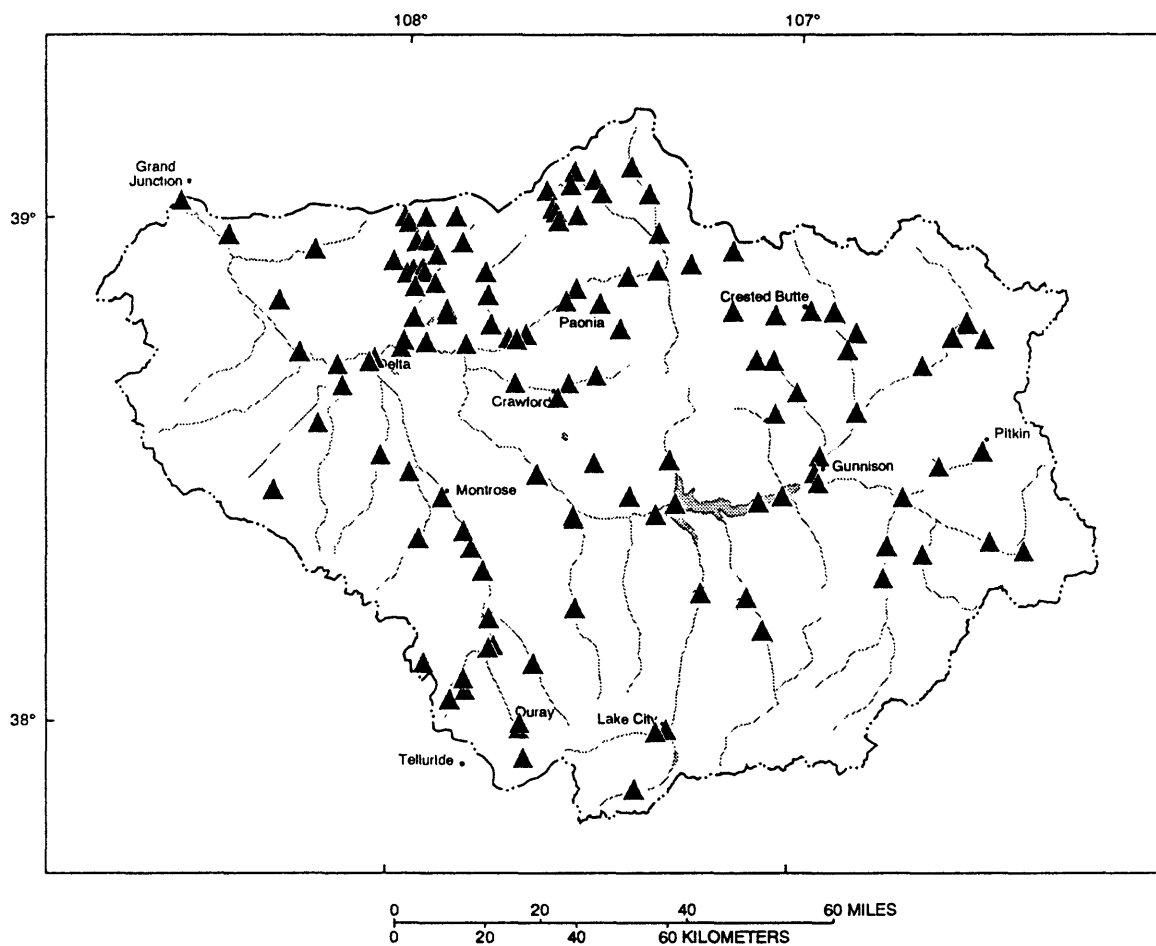


Figure 6. U.S. Geological Survey stream-gaging stations in Gunnison River basin, Colorado. (See table 4 and figures 1 and 3.)

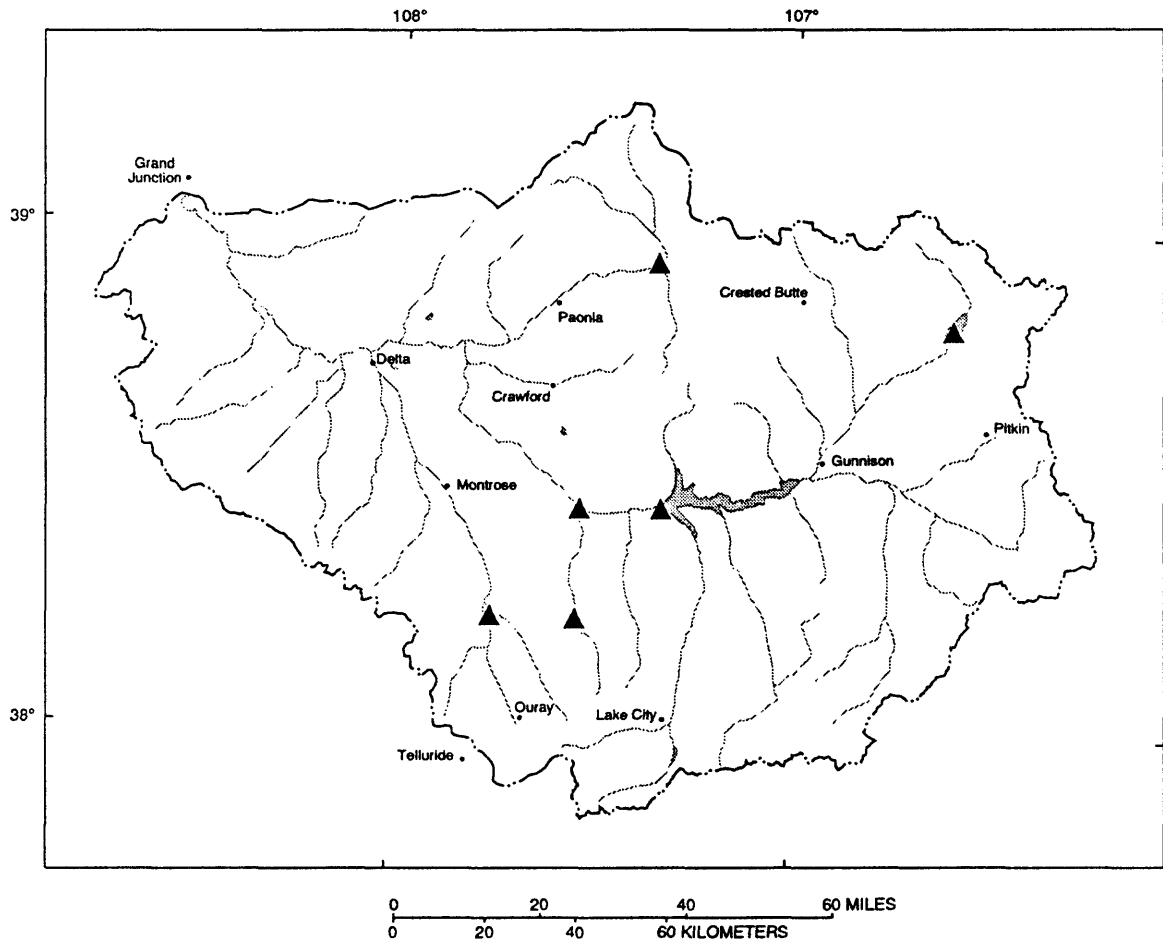


Figure 7. U.S. Geological Survey gaging stations at lakes or reservoirs in Gunnison River basin, Colorado. (See table 4 and figures 1 and 3.)

TABLE 5. U.S. National Weather Service data-collection sites in American River, Carson River, and Truckee River basins and surrounding areas, California and Nevada

[Source of data is National Weather Service (Climatic Data Center, Asheville, N.C.). Site ID number: National Weather Service station index number, in numerical order based on alphabetical sequence of station names within each State. Station name: E, east; ESE, east-southeast; N, north; NNE, north-northeast; S, south; SE, southeast; SSE, south-southeast; SW, southwest; W, west; WNW, west-northwest; parentheses indicate closed or inactive station. Location: N lat, north latitude; W long, west longitude. Altitude: some values rounded to nearest 10 feet. Station type: FO, first-order station; SO, second-order station; PE, pan-evaporation-data site. Data availability: summary data are based on calendar-year record length; 1990+ or 90+, station still in operation as of 1990. --, not applicable or not determined]

Site ID number	Station name	Location		Altitude (feet above sea level)	Station type	Data availability					
		N lat (degrees, minutes)	W long (degrees, minutes)			Precipitation			Temperature		
						Digital-data period of record (calendar years)	Earliest record (calendar year)	Earliest paper data record (calendar year)	Earliest paper data record (calendar year)		
										Mean	
										Mean daily data	Mean monthly data
California											
0383	Auburn	38 55	121 05	1,290	--	1916-90+	--	1873	--	1871	
0385	(Auburn Dam project)	38 53	121 04	1,270	PE	1972-84	1972-84	--	1970	1970	
0389	(Auburn WB Airport)	38 57	121 04	1,640	--	--	1943-48	--	1872	1871	
0584	(Beale Air Force Base)	39 07	121 26	110	--	1962-64	1962-64	--	--	--	
0747	(Big Bend ranger station)	39 18	120 31	5,740	--	1961-72	1961-72	--	--	1929	
0752	Big Canyon Mine	38 37	120 54	850	--	--	1934-42	--	--	--	
0883	Blodgett Experimental Forest	38 55	120 40	4,410	--	--	--	1969-90+	--	--	
0893	(Blue Canyon)	39 15	120 42	4,750	--	--	1931-44	--	1908	1898	
0897	Blue Canyon WSO Airport	39 17	120 42	5,280	FO	1948-90+	1940-90+	--	1945	1941	
0931	Boca	39 23	120 06	5,580	PE	1948-90+	1936-90+	--	1937	1890	
1018	Bowman Dam	39 27	120 39	5,370	--	1948-90+	1931-90+	1948-87	1931	1884	
1072	Bridgeport	38 15	119 14	6,470	--	1948-90+	1948-90+	1948-50	1958	1950	
1075	(Bridgeport Dam)	38 19	119 13	6,420	--	1948-57	1931-57	--	1929	1919	
1076	(Bridgeport ranger station)	38 17	119 17	6,560	--	1950-51	1950-51	1950-87	--	1950	
1180	(Bullards Bar powerhouse)	39 25	121 09	1,780	--	1948-68	1941-68	--	--	1941	
1277	Calaveras Big Trees	38 17	120 19	4,700	--	1948-90+	1931-90+	1986-87	1941	1941	
1428	Camp Pardee	38 15	120 51	660	PE	1948-90+	1931-90+	1948-87	1928	1927	
1462	(Camptonville ranger station)	39 27	121 03	2,760	--	1948-73	1931-72	1948-60	--	1912	
1653	Challenge ranger station	39 29	121 13	2,570	--	1948-90+	1937-90+	--	--	1938	
1762	Chute Camp	39 24	121 09	1,360	--	--	1931-41	--	--	--	
1768	(Cisco ranger station)	39 18	120 31	5,740	--	1948-60	1943-60	--	--	1943	
1773	(Citrus Heights)	38 42	121 18	140	--	1960-75	1960-75	--	--	1960	
1784	(Clarksburg)	38 25	121 32	10	--	1948-74	1935-74	--	1935	1935	
1909	(Coleville)	38 34	119 30	5,100	--	1948-51	1948-50	--	1945	1945	
1911	(Coleville 4 SE)	38 31	119 28	5,300	--	1951-52	1951-52	--	1946	1946	
1912	Colfax	39 06	120 57	2,410	--	1948-90+	1931-90+	--	1873	1870	
1916	Colgate powerhouse	39 20	121 11	600	--	1948-90+	1931-90+	--	--	1907	
1985	(Cool)	38 53	121 01	1,530	--	1960-77	1960-77	--	--	1960	
2334	(Deer Creek powerhouse)	39 19	120 51	3,700	--	1948-70	1931-69	--	1908	1906	
2338	Deer Creek Forebay	39 18	120 50	4,460	--	1969-90+	1970-90+	--	1969	1969	

2456	Dobbins 1 S	39 22	121 12	1,640	--	1970-90+	1970-90+	--	1970
2458	(Dobbins Colgate Forebay)	39 20	121 12	1,550	--	1948-70	1931-70	--	1915
2465	(Donnell's Dam)	38 20	119 58	4,840	--	1959-60	1959-60	--	1959
2467	Donner Memorial State Park	39 19	120 14	5,940	--	1953-90+	1953-90+	--	1954
2470	(Donner Summit)	39 20	120 22	7,190	--	1948-51	1948-51	1948-51	1948
2500	Downieville	39 34	120 50	2,920	--	1948-90+	1939-90+	1948-87	1927
2504	Doyle	40 02	120 06	4,240	--	1948-90+	1931-87	--	1960
2506	Doyle 5 SSE	39 57	120 05	4,390	--	1956-90+	1956-90+	--	1956
2671	Echo Summit-Sierra Ski Ranch	38 47	120 02	7,350	--	1948-90+	1931-90+	--	1945
2728	Electra powerhouse	38 20	120 40	720	--	1948-90+	1931-90+	--	1904
3038	Fiddletown Dexter Ranch	38 32	120 42	2,160	--	1948-90+	1937-90+	--	1945
3087	(Fleming Fish and Game)	40 22	120 19	4,000	PE	1959-77	1959-77	--	1961
3111	(Folsom)	38 41	121 11	250	--	1948-55	1904-55	--	1892
3113	Folsom Dam	38 42	121 10	350	PE	1955-87	1955-90+	--	1955
3134	Foresthill ranger station	39 01	120 51	3,020	--	1948-90+	1937-90+	--	1940
3338	(Garden Valley 2 S)	38 50	120 51	1,940	--	1948-72	1946-72	--	1946
3381	(Georgetown)	38 55	120 50	2,720	--	1948-67	1937-67	1948-67	1891
3383	(Georgetown 9 E)	38 55	120 41	4,040	--	1952-52	1952-52	--	--
3384	Georgetown ranger station	38 55	120 47	3,000	--	1948-90+	1946-90+	1967-87	1946
3491	Gold Run 2 SW	39 09	120 52	3,320	--	1948-90+	1938-90+	--	1919
3571	(Grass Valley)	39 13	121 04	2,640	--	1948-66	1931-66	1962-66	1872
3572	(Grass Valley 2 NNE)	39 14	121 02	2,710	--	1950-51	1950-51	1950-60	1950
3573	Grass Valley 2	39 13	121 04	2,400	--	1966-90+	1966-90+	1968-90+	1966
3574	Grass Valley N Irrigation District	39 13	121 04	2,420	--	--	--	1960-62	--
3621	Greenville ranger station	40 08	120 56	3,560	--	1948-90+	1943-90+	--	1923
3649	(Grizzly Flats)	38 38	120 31	3,930	--	1948-51	1948-51	1948-67	1941
3800	Harry L. Englebright Dam	39 14	121 16	580	--	1955-90+	1955-90+	--	1941
3891	Hell Hole	39 04	120 25	4,850	--	--	--	1951-90+	--
3946	(Hidden Valley Ranch)	39 02	121 06	1,480	--	1961-77	1961-77	--	1961
4283	(Ione)	38 21	120 56	280	--	1959-77	1959-77	--	1959
4288	Iowa Hill	39 04	120 50	3,100	--	1948-90+	1939-90+	--	1908
4484	(Kelsey)	38 49	120 49	2,000	--	1972-86	1972-86	--	1972
4497	(Kennedy Mine)	38 22	120 47	1,500	--	--	1931-47	--	1905
4613	(Kyburz)	38 47	120 18	4,200	--	1948-49	1948-49	--	1948
4616	(Kyburz-Strawberry)	38 48	120 09	5,700	--	1948-51	1948-51	1948-80	1941
4713	Lake Spaulding	39 19	120 38	5,150	PE	1948-90+	1931-90+	--	1895
4714	(Lake Spaulding Dam)	39 20	120 38	5,120	PE	1955-71	1955-71	--	1955
4773	(La Porte)	39 41	120 59	4,980	--	1957-58	1951-58	1958-77	--
4886	(Lehman Ranch)	38 36	121 01	600	--	1961-77	1961-77	--	1961
5088	(Long Valley Inspection Station)	39 41	120 01	5,060	--	1959-68	1959-68	--	1959
5171	(Loyalton)	39 41	120 15	4,940	--	1948-72	1948-72	--	1959
5356	(Markleeville)	38 42	119 47	5,550	--	1948-51	1931-52	1948-78	1941
5385	Marysville	39 09	121 36	60	--	1948-90+	1897-1990+	--	1872
5391	(Marysville D Street Bridge)	39 08	121 36	60	--	1948-50	1931-50	--	1948
5571	(Meyers 4 SW)	38 49	120 01	6,470	--	1961-66	1961-66	--	1961
5572	(Meyers Inspection Station)	38 51	120 01	6,340	--	1955-69	1955-69	--	1955
5586	(Michigan Bluff)	39 03	120 44	3,650	--	1948-51	1948-51	1948-85	1941
5623	(Milford Laufman ranger station)	40 08	120 21	4,860	--	1948-51	1948-51	1948-87	1941
5909	(Mount Danaher)	38 45	120 40	3,410	--	1948-73	1943-73	1948-75	1943
6136	Nevada City	39 15	121 01	2,780	--	1931-90+	1931-90+	1943-50	1864
6139	(Nevada City 1 N)	39 16	121 01	2,850	--	1948-49	1948-49	1948-49	1942
6193	(Nicolaus)	38 54	121 35	50	--	1948-62	1911-62	--	1924
6194	Nicolaus 2	38 55	121 33	40	--	1962-90+	1962-90+	--	1913
6252	North Bloomfield	39 22	120 54	3,100	--	--	--	1969-90+	--
6521	Oroville	39 31	121 33	170	--	1953-90+	1953-90+	1982-90+	1969

TABLE 5. U.S. National Weather Service data-collection sites in American River, Carson River, and Truckee River basins and surrounding areas, California and Nevada--Continued

Site ID number	Station name	Location		Altitude (feet above sea level)	Station type	Data availability					Temperature
		N lat (degrees, minutes)	W long (degrees, minutes)			Precipitation			Earliest record (calendar year)		
						Digital-data period of record (calendar years)		Mean hourly data			
						Mean daily data	Mean monthly data				
California--Continued											
6597	Pacific House	38 45	120 30	3,440	--	1948-90+	1941-90+	--	--	--	1913
6893	Pinecrest Summit ranger station	38 15	120 00	5,600	--	--	--	1964-90+	--	--	--
6960	Placerville	38 44	120 48	1,890	PE	1948-90+	1931-90+	--	1891	--	1887
6962	Placerville I F G	38 44	120 44	2,760	--	1955-90+	1955-90+	--	1955	--	1955
6963	Placerville I W, formerly Placerville 2 WNW)	38 44	120 49	1,790	--	1948-51	1948-51	--	--	--	1936
6964	Placerville Disposal PL	38 44	120 51	1,550	--	--	--	1963-90+	--	--	--
6998	Plumas Eureka State Park	39 45	120 42	5,170	--	--	--	1964-90+	--	--	--
7000	(Plymouth)	38 29	120 51	1,100	--	1948-63	1943-63	--	--	--	1943
7085	Portola	39 48	120 28	4,850	--	1948-90+	1931-90+	1954-87	1918	--	1915
7088	(Portola 2)	39 48	120 29	4,830	--	1948-51	1948-51	1948-54	--	--	1940
7195	Quincy	39 58	120 57	3,410	--	1948-90+	1931-90+	--	1897	--	1896
7197	(Quincy U.S. Forest Service Heliport)	39 58	120 57	3,650	--	1979-81	1979-81	--	1979	--	1979
7370	Represa	38 42	121 10	300	--	1948-90+	1931-90+	--	--	--	1893
7489	Robbs Peak powerhouse	38 54	120 22	5,120	--	--	--	1967-90+	--	--	--
7516	(Rocklin)	38 48	121 14	250	--	1948-76	1870-76	--	1872	--	1871
7630	Sacramento Federal Aviation Administration Airport.	38 31	121 30	20	FO	1941-90+	1948-90+	1948-87	1932	--	1932
7633	Sacramento WSO CI	38 35	121 30	30	--	1977-90+	1950-90+	1936-87	1878	--	1849
7641	(Sagehen Creek)	39 26	120 14	6,340	--	1953-90+	1953-90+	--	1978	--	1953
7689	Salt Springs powerhouse	38 30	120 13	3,700	PE	1948-90+	1932-90+	--	1946	--	1931
8029	Scales	39 36	120 59	4,300	--	--	1935-37	--	--	--	--
8074	(Secret Valley)	40 30	120 16	4,440	--	1962-77	1962-77	--	--	--	1962
8099	(Seriterre, formerly 04-6523)	39 25	121 28	630	--	1948-61	1931-61	--	1919	--	1919
8171	Shields Ranch	38 32	119 31	5,520	--	--	1931-46	--	--	--	--
8173	(Shingle Springs)	38 40	120 55	1,380	--	1948-72	1943-72	--	--	--	1902
8207	Sierra City	39 34	120 38	4,230	--	1948-90+	1948-90+	--	1952	--	1951
8218	Sierraville ranger station	39 35	120 22	4,980	--	1948-90+	1948-90+	--	1913	--	1910
8292	(Sloat)	39 52	120 44	4,120	--	1957-58	1957-58	1958-62	--	--	1957
8293	(Sloughhouse 6 SE)	38 28	121 05	160	--	1951-64	1942-64	--	--	--	1953
8320	Snow Laboratory, Central Sierra	39 20	120 22	6,900	--	1948-61	1948-61	1948-61	--	--	--
8331	(Soda Springs)	39 19	120 23	6,750	--	1948-59	1931-58	1948-58	1930	--	1929
8332	Soda Springs 1 E	39 19	120 22	6,890	--	1961-70	1961-69	1961-90+	--	--	--
8344	Somerset 5 ESE, formerly 8320	38 37	120 36	3,160	--	--	--	1959-87	--	--	--
8355	Sonora Junction	38 21	119 27	6,890	--	--	--	1959-90+	--	--	--
8474	(Squaw Valley)	39 12	120 14	6,240	--	1955-75	1955-75	--	1958	--	1956
8487	(Standish 1 E)	40 22	120 24	4,030	--	1961-73	1961-73	--	--	--	1961

8701	Susanville	40 25	120 39	4,200	--	1952-64	1952-64	--	1910	--
8702	Susanville Airport	40 23	120 34	4,150	--	1931-90+	1931-90+	--	1901	--
8703	Susanville 1 WNW	40 26	120 40	4,560	--	--	--	--	--	1896
8705	(Susanville State ranger station)	40 24	120 40	4,190	--	1949-51	1949-51	--	1948-49	1952-90+
8713	(Sutter Hill ranger station)	38 23	120 48	1,590	--	1948-79	1943-79	--	1949-52	1949
8758	Tahoe City	39 10	120 08	6,230	PE	1931-90+	1931-90+	--	--	1943
8762	Tahoe Valley Federal Aviation Administration Airport.	38 54	120 00	6,250	SO	1968-90+	1968-90+	--	--	1910
8781	(Tamarack)	38 36	119 56	8,060	--	1948-48	1931-48	--	1918	--
8928	Tiger Creek powerhouse	38 27	120 29	2,360	--	1948-90+	1931-90+	--	1918	1907
8969	(Topaz)	38 36	119 29	5,050	--	1953-55	1953-55	--	1932	1907
8970	(Topaz Lake)	38 40	119 33	5,040	--	1955-57	1955-57	--	1953	1953
9043	Truckee ranger station	38 20	120 11	6,020	SO	1948-90+	1933-90+	--	1948-76	1955
9105	Twin Lakes	38 42	120 02	8,000	--	1948-90+	1931-90+	--	--	1883
9351	Vinton	39 49	120 11	4,950	--	1950-90+	1941-90+	--	--	1920
9382	(Volcanoville)	38 59	120 47	3,040	--	1953-66	1953-66	--	--	1934
9526	(Wendel 10 SE)	40 16	120 04	4,040	--	1959-77	1959-77	--	--	1950
9582	West Point	38 24	120 32	2,820	--	1948-90+	1931-90+	--	--	1953
9583	(West Point 3 SW)	38 23	120 34	2,370	--	1949-69	1950-69	--	--	1959
9599	(Westwood)	40 18	121 00	5,080	--	1948-53	1931-53	--	1948-53	1968
9605	(Wheatland 2 NE)	39 02	121 23	110	--	1948-51	1948-51	--	--	1949
9639	(White Rock)	38 34	121 05	350	--	1948-68	1931-68	--	--	1922
9758	(Wolf)	39 01	121 05	1,300	--	--	1943-49	--	--	1948
9775	Woodfords	38 47	119 48	5,650	--	1948-90+	1937-90+	--	1979-87	1924

Nevada

1485	Carson City	39 09	119 46	4,650	--	1948-90+	1931-90+	--	1897	1897
2119	Daggett Pass	38 59	119 53	7,330	--	1988-90+	1988-90+	--	1888	1988
2315	(Dixie Valley-Anderson)	39 43	118 11	3,540	--	1971-79	1972-79	--	1969	1969
2770	(Fallon Civil AA Airport)	39 25	118 43	3,930	PE	1950-54	1950-54	--	1950-51	1950
2780	Fallon Experimental Station	39 27	118 47	3,970	--	1928-90+	1931-90+	--	--	1904
2840	(Fernley)	39 37	119 15	4,160	--	1949-74	1949-74	--	1954-74	1954
2849	(Fernley Maintenance Station)	39 37	119 16	4,160	--	1944-54	1948-54	--	1948-54	1954
2903	(Fleisch powerhouse)	39 29	119 59	5,000	--	1958-59	1958-59	--	--	1909
3205	Glenbrook	39 05	119 57	6,360	--	1948-90+	1944-90+	--	--	1958
3512	(Hawthorne)	38 32	118 38	4,330	--	1954-65	1954-64	--	1945	1943
3515	Hawthorne Airport	38 33	118 40	4,220	--	1948-90+	1937-90+	--	1961	1961
3853	(Humboldt Field)	40 05	118 09	4,160	--	--	1939-47	--	1928	1922
4349	Lahontan Dam	39 28	119 04	4,150	PE	1948-90+	1931-90+	--	1939	1939
4542	(Lewers Ranch)	39 14	119 51	5,200	--	--	1931-44	--	1911	1906
4698	Lovelock	40 11	118 28	3,980	--	1928-90+	1931-90+	--	--	1903
4700	(Lovelock Federal Aviation Administration Airport)	40 04	118 33	3,900	--	1948-84	1947-84	--	1952-90+	1955
4858	(Marlette Lake)	39 10	119 55	8,000	--	1948-52	1931-52	--	1948-52	1948
5132	Middlegate Lowery	39 17	118 01	4,600	--	1988-82	1988-90+	--	--	1922
5168	Mina	38 23	118 06	4,550	--	1928-90+	1931-90+	--	--	1988
5191	Minden Airport	39 00	119 45	4,710	--	1928-90+	1931-90+	--	1948-90+	1897
5440	(Mount Rose Bowl)	39 21	119 52	7,500	--	1973-87	1973-87	--	--	1896
5441	(Mount Rose Christmas Tree)	39 21	119 52	7,240	--	1968-69	1968-69	--	--	1974
5445	(Mount Rose Highway Station)	39 20	119 53	7,360	--	1959-66	1959-66	--	1971-90+	1968
5447	(Mount Rose Sky Tavern)	39 21	119 52	7,500	--	1970-73	1970-73	--	--	1959
5605	(Nixon)	39 50	119 21	3,900	--	1948-74	1931-74	--	--	1970

TABLE 5. U.S. National Weather Service data-collection sites in American River, Carson River, and Truckee River basins and surrounding areas, California and Nevada--Continued

Site ID number	Station name	Location		Altitude (feet above sea level)	Station type	Data availability				
		N lat (degrees, minutes)	W long (degrees, minutes)			Precipitation			Earliest paper data record (calendar year)	Temperature
						Digital-data period of record (calendar years)	Mean			
							Mean daily data	Mean monthly data		
Nevada--Continued										
6290	(Pleasant Valley)	39 21	119 46	4,800	--	1950-51	1950-51	--	1950	1950
6779	Reno WSFO Airport	39 30	119 47	4,400	FO	1937-90+	1950-90+	1948-90+	1887	1879
7192	Rye Patch Dam	40 28	118 18	4,140	PE	1948-90+	1935-90+	1948-90+	1938	1937
7261	(Sand Pass)	40 19	119 48	3,900	--	1928-71	1931-71	--	1919	1915
7358	(Schurz)	38 57	118 49	4,120	--	1948-57	1931-57	--	1948	1948
7609	(Smith 1 N)	38 49	119 20	4,750	--	1948-66	1931-66	--	1943	1908
7612	Smith 6 N	38 57	119 20	5,000	--	1973-90+	1973-90+	1973-90+	1973	1973
7697	Sparks	39 33	119 44	4,360	--	1988-90+	1988-90+	--	1988	1988
7806	Stateline, Harrah's	38 58	119 57	6,250	--	1984-90+	1984-90+	--	1984	1984
7820	Stead	39 37	119 53	5,120	--	1985-90+	1984-90+	--	1985	1985
7953	Sutcliffe	39 57	119 37	3,980	--	1967-90+	1967-90+	--	1967	1967
8034	(Thorne)	38 36	118 36	4,200	--	1948-50	1931-50	--	1918	1897
8186	(Topaz Lake)	38 42	119 31	5,020	PE	1957-85	1857-85	--	1957	1957
8202	Topaz Lake 4 N	38 45	119 31	5,580	--	1986-90+	1986-90+	--	1986	1986
8500	(University of Nevada Experimental Farm)	39 31	119 47	4,510	--	1949-54	1949-54	--	1950	1949
8689	(Verdi)	39 31	119 59	4,880	--	1951-56	1951-56	--	1943	1947
8761	Virginia City	39 18	119 38	6,340	--	1951-90+	1951-90+	--	1954	1941
8822	Wabaska 5 SE	39 05	119 07	4,300	PE	1972-90+	1972-90+	1972-90+	1972	1972
8834	(Wadsworth)	39 38	119 17	4,080	--	1948-48	1941-48	--	1923	1906
8838	Wadsworth 4 N	39 42	119 17	4,200	--	1974-90+	1975-90+	1974-90+	1974	1974
8977	(Wellington ranger station)	38 45	119 22	4,840	--	1948-73	1942-73	1948-90+	1949	1943
9229	Yerington	39 00	119 10	4,380	--	1928-90+	1931-90+	1965-67	1918	1898
9234	(Yerington 2)	38 59	119 10	4,380	--	1948-51	1948-51	1948-71	--	1939

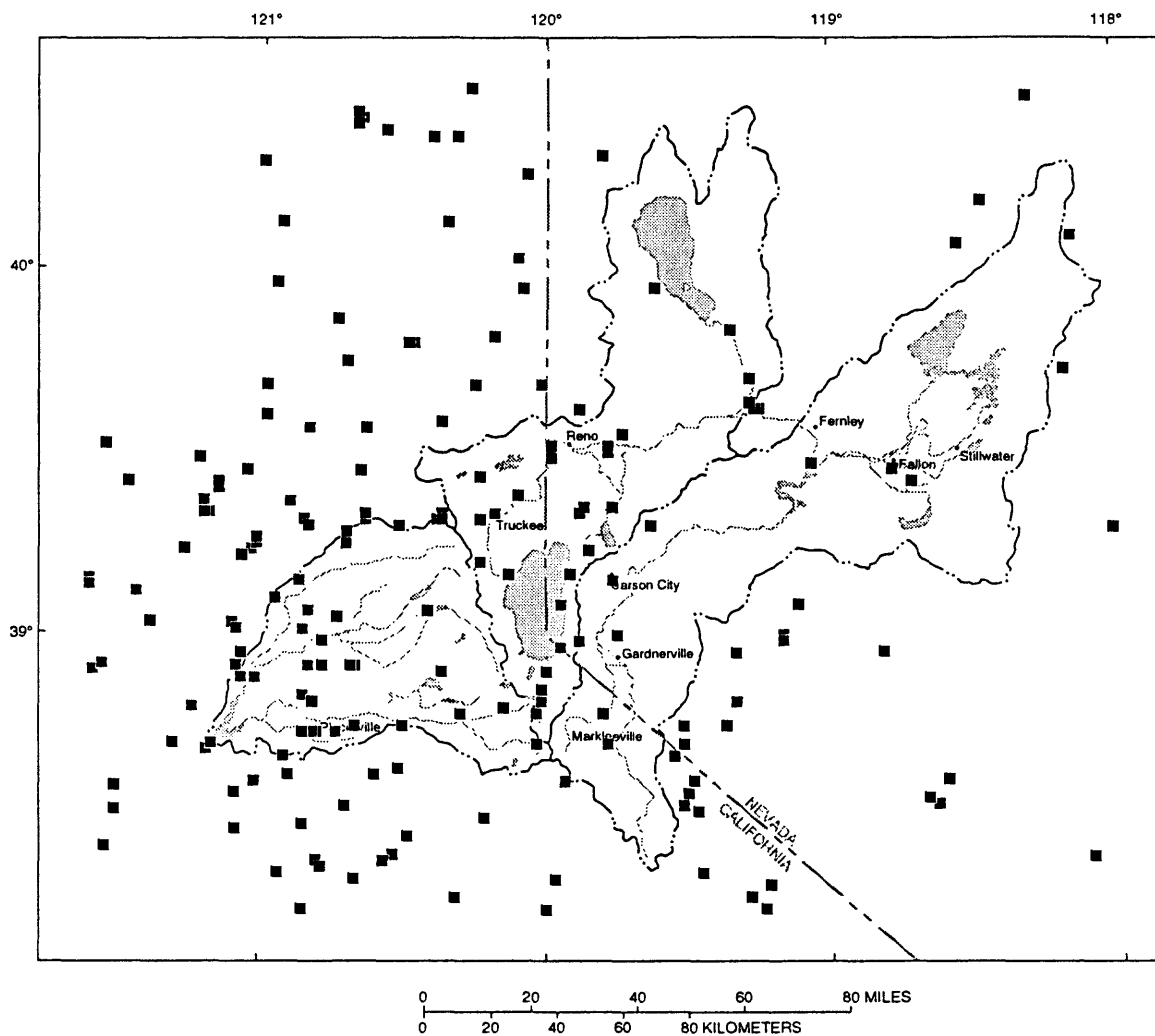


Figure 8. U.S. National Weather Service data-collection sites in American River, Carson River, and Truckee River basins and surrounding areas, California and Nevada. (See table 5 and figures 1 and 2.)

TABLE 6. U.S. National Weather Service data-collection sites in Gunnison River basin and surrounding area, Colorado

[Source of data is National Weather Service (Climatic Data Center, Ashville, N.C.). Site ID number: National Weather Service station index number, in numerical order based on alphabetical sequence of station names within Colorado; *, site plotted in figure 9. Station name: E, east; ENE, east-northeast; ESE, east-southeast; N, north; NE, northeast; NNE, north-northeast; NNW, north-northwest; NW, northwest; S, south; SE, southeast; SSE, south-southeast; SSW, south-southwest; SW, southwest; W, west. Location: N lat, north latitude; W long, west longitude. Altitude: some values rounded to nearest 10 feet. ---, not determined. Data availability: Summary data are based on calendar-year record length; 90+, station still in operation as of 1990; --, no data available]

Site ID number	Station name	Location		Altitude (feet above sea level)	Data availability		
		N lat (degrees, minutes)	W long (degrees, minutes)		Period of record (calendar years)	Missing precipitation data (percent)	Missing temperature data (percent)
50125	Alamosa	37 28	105 53	7,530	1948-49	29.59	29.04
50130	Alamosa WSO Airport	37 27	105 52	7,540	1948-90+	1.74	1.58
50214	Altenbern	39 30	108 23	5,690	1948-90+	25.52	1.39
50228*	Ames	37 52	107 53	8,700	1948-86	72.10	4.99
50258	Antero Junction 3	38 58	105 57	9,030	1966-68	97.26	44.29
50263	Antero Reservoir	39 00	105 53	8,920	1961-90+	3.22	2.42
50307	Arboles	37 01	107 25	6,180	1957-63	14.13	13.97
50370*	Aspen	39 11	106 50	7,930	1948-80	7.84	4.43
50372*	Aspen 1 SW	39 11	106 50	8,160	1980-90+	6.74	8.60
50381	Atkinson Ranch	37 36	108 53	---	1948-49	--	44.11
50405	Avon	39 38	106 31	7,490	1981-90+	38.93	40.00
50514*	Basalt	39 22	107 02	6,620	1965-73	27.98	23.84
50794*	Blue Mesa Dam	38 27	107 20	7,530	1966-67	--	20.68
50797*	Blue Mesa Lake	38 28	107 10	7,640	1967-90+	83.04	3.91
50825*	Bonham Reservoir	39 06	107 53	9,850	1963-90+	95.91	7.53
50909	Breckenridge	39 29	106 02	9,580	1948-90+	98.12	3.50
51071*	Buena vista	38 51	106 08	7,930	1948-90+	10.56	5.07
51384	Cascade	37 40	107 48	8,850	1948-58	--	6.87
51440*	Cedaredge	38 54	107 56	6,240	1948-90+	2.02	1.83
51458	Center 4 SSW	37 42	106 08	7,670	1948-90+	2.10	1.69
51570	Chimney Rock	37 12	107 18	6,550	1961-62	80.00	55.75
51609*	Cimarron	38 33	107 27	6,900	1951-90+	6.06	2.84
51660*	Climax	39 22	106 11	11,350	1949-90+	10.62	1.78
51693	Coaldale 1 NW	38 23	105 47	6,530	1948-51	--	0.82
51698	Coaldale 2 SW	38 21	105 47	6,900	1963-64	47.40	42.60
51713*	Cochetopa Creek	38 26	106 46	8,000	1948-90+	1.87	1.41
51741*	Collbran	39 15	107 58	5,980	1900-90+	8.83	2.57
51745*	Collbran 3 ENE	39 15	107 56	6,460	1968-70	37.72	31.42
51772*	Colorado National Monument	39 06	108 44	5,780	1948-90+	5.01	2.32
51816	Conejos 3 NNW	37 08	106 02	7,900	1948-60	14.25	11.00
51886	Cortez	37 22	108 33	6,210	1929-90+	4.94	4.60
51939*	Creede	37 51	106 56	8,850	1978-83	--	26.44
51944*	Creede 2 S	37 52	106 55	8,640	1983-88	--	18.13
51959*	Crested Butte	38 52	106 58	8,860	1909-90+	46.94	44.18
52048	Cumbres	37 01	106 27	10,020	1948-51	25.68	22.88
52121*	De Beque	39 20	108 13	4,950	1951-54	42.95	35.48
52184	Del Norte	37 40	106 21	7,880	1948-90+	2.33	1.82
52192*	Delta	38 45	108 04	4,930	1900-90+	7.04	4.74
52281	Dillon 1 E	39 38	106 02	9,070	1909-90+	3.12	.71
52326	Dolores	37 29	108 29	6,970	1948-90+	--	1.96
52432	Durango	37 17	107 53	6,600	1900-90+	2.20	.30
52454	Eagle Federal Aviation Administration Airport.	39 39	106 55	6,500	1948-90+	1.85	1.58
52624	Electra Lake	37 33	107 48	8,400	1959-77	--	14.78
52814	Fairplay	39 14	106 00	10,000	1954-66	--	9.74
52819	Fairplay 2	39 13	106 00	9,950	1964-64	74.79	75.07
53016	Fort Lewis	37 14	108 03	7,600	1940-90+	19.51	2.18
53146	Fruita 1 W	39 10	108 45	4,480	1948-90+	3.15	.83
53246	Gateway 1 SE	38 40	108 58	4,550	1948-90+	25.22	2.85
53310*	Glade Park Store	39 00	108 45	7,000	1966-68	--	30.59
53359	Glenwood Springs 1 N	39 34	107 20	5,820	1900-90+	10.37	3.38
53488*	Grand Junction WSO Airport	39 06	108 33	4,850	1900-90+	.09	.06
53489*	Grand Junction 6 ESE	39 03	108 27	4,760	1962-90+	3.64	1.71
53508	Grand Valley	39 27	108 03	5,090	1965-81	5.40	5.38
53662*	Gunnison	38 32	106 56	7,660	1900-90+	4.40	1.97
53811	Hartsel	39 02	105 48	8,870	1948-66	--	7.97

TABLE 6. U.S. National Weather Service data-collection sites in Gunnison River basin and surrounding area, Colorado--Continued

Site ID number	Station name	Location		Altitude (feet above sea level)	Data availability		
		N lat (degrees, minutes)	W long (degrees, minutes)		Period of record (calendar years)	Missing precipitation data (percent)	Missing temperature data (percent)
53951*	Hermit 7 ESE	37 46	107 08	9,000	1948-90+	1.90	1.81
54250	Ignacio 1 N	37 08	107 38	6,460	1948-90+	8.45	4.70
54270*	Independence Pass 5	39 05	106 37	10,550	1948-80	79.78	13.06
54614	Kline 3 W	37 07	108 11	6,620	1948-49	--	55.07
54734*	Lake City	38 02	107 19	8,670	1948-90+	27.00	2.45
54884*	Leadville	39 15	106 18	10,090	1948-82	22.69	20.06
54885*	Leadville 2 SW	39 14	106 19	9,940	1976-90+	23.68	28.59
54934	Lemon Dam	37 23	107 39	8,090	1982-90+	4.18	4.25
55040*	Little Dolores	38 56	108 51	6,700	1948-55	--	7.43
55041*	Little Dolores 5 NE	39 03	108 51	6,380	1961-66	--	17.58
55322	Manassa	37 10	105 56	7,690	1948-90+	12.64	6.61
55327	Mancos 1 W	37 21	108 19	6,940	1948-86	--	5.10
55394*	Marshall Pass	38 24	106 15	10,850	1948-52	--	16.71
55507*	Meredith	39 22	106 45	7,830	1963-90+	11.44	4.34
55513*	Meredith 4 NE	39 22	106 41	8,500	1949-53	--	27.89
55520*	Mesa Lakes Resort	39 03	108 05	9,800	1971-79	21.07	21.10
55531	Mesa Verde National Park	37 12	108 29	7,120	1948-90+	2.84	2.26
55706	Monte Vista 1 E	37 34	106 05	7,640	1948-90+	9.84	7.12
55711	Monte Vista Refuge	37 29	106 09	7,680	1989-90+	--	9.86
55717*	Montrose 1	38 29	107 53	5,790	1948-82	99.99	4.53
55722*	Montrose 2	38 29	107 53	5,830	1900-90+	4.97	.54
55970	Northdale	37 49	109 01	6,680	1948-90+	2.63	2.60
56012*	Norwood	38 08	108 17	7,020	1948-90+	3.38	1.96
56073	Oil shale mine	39 33	107 56	8,200	1948-51	18.29	16.64
56081*	Olathe	38 37	107 59	5,360	1948-55	--	12.50
56116*	Olathe 4 SSW	38 33	108 00	5,600	1983-85	--	41.55
56203*	Ouray	38 01	107 40	7,840	1948-90+	3.22	2.68
56258	Pagosa Springs	37 16	107 01	7,110	1906-90+	31.55	3.45
56266*	Palisade	39 07	108 21	4,800	1948-90+	4.97	3.46
56271	Palisade Lakes 6 SSE	37 26	107 09	8,090	1948-71	65.70	6.23
56306*	Paonia 1 SW	38 52	107 36	5,580	1905-90+	33.59	.51
56307*	Paonia 1 S	38 52	107 35	6,130	1930-57	9.34	4.69
56311	Parachute	39 27	108 03	5,090	1981-87	22.31	22.66
56315	Paradox 1 E	38 22	108 57	5,280	1948-77	9.28	5.77
56318	Paradox 1 W	38 23	108 59	5,530	1977-90+	8.13	7.82
56513*	Pitkin	38 36	106 32	9,200	1948-86	44.13	7.00
56524*	Placerville	38 01	108 03	7,320	1948-90+	99.99	3.41
56559	Platoro	37 21	106 32	9,840	1949-90+	76.92	67.97
56591	Pleasant View 2 W	37 35	108 48	6,840	1950-51	--	41.64
56651*	Powderhorn	38 16	107 06	8,090	1964-71	19.55	19.42
56917	Redcliff	39 31	106 22	8,610	1948-51	24.18	27.19
56966*	Redstone	39 11	107 14	7,200	1963-64	51.64	47.67
56970*	Redstone 4 W	39 12	107 18	8,070	1979-90+	8.44	6.95
57017	Rico	37 42	108 02	8,780	1948-90+	25.73	1.84
57020*	Ridgway	38 09	107 45	7,000	1982-90+	10.14	5.96
57031	Rifle	39 32	107 48	5,320	1910-90+	7.82	3.88
57050	Rio Grande Reservoir	37 43	107 16	9,460	1977-90+	5.35	5.21
57337*	Saguache	38 05	106 08	7,690	1948-90+	1.67	1.90
57345*	Saint Elmo	38 42	106 22	10,010	1950-53	--	32.88
57370	Salida	38 32	106 01	6,160	1948-90+	35.04	34.87
57371	Salida 3 W	38 32	106 03	7,490	1970-84	26.41	25.64
57433	San Luis Lakes 3 W	37 39	105 48	7,530	1948-55	13.87	13.56
57455*	Sapinero 8 E	38 29	107 11	7,720	1948-65	96.30	4.32
57460*	Sargents	38 24	106 26	8,470	1958-90+	--	3.68
57461*	Sargents 6 W	38 24	106 30	8,130	1948-58	--	8.72
57618	Shoshone	39 34	107 14	5,930	1948-90+	89.74	2.24
57656*	Silverton	37 49	107 40	9,270	1906-90+	7.23	5.10
57928	State Turkey Experimental Farm	37 13	107 16	6,660	1948-61	21.51	8.36
58064*	Sugarloaf Reservoir	39 15	106 22	9,740	1948-90+	12.43	2.74
58092	Summitville	37 26	106 36	11,350	1948-48	96.16	95.62
58154	Tacoma	37 31	107 47	7,300	1949-87	95.49	4.52
58184*	Taylor Park	38 49	106 37	9,210	1948-90+	2.28	2.20
58204*	Telluride	37 56	107 49	8,800	1900-90+	10.75	1.31
58212*	Tennessee Pass	39 20	106 20	10,250	1948-53	69.54	18.08
58454*	Trout Lake	37 50	107 53	9,700	1948-86	--	54.39

TABLE 6. U.S. National Weather Service data-collection sites in Gunnison River basin and surrounding area, Colorado--Continued

Site ID number	Station name	Location		Altitude (feet above sea level)	Data availability		
		N lat (degrees, minutes)	W long (degrees, minutes)		Period of record (calendar years)	Missing precipitation data (percent)	Missing temperature data (percent)
58496*	Twin Lakes (pan-evaporation data site).	39 05	106 18	9,170	1965-67	78.45	37.72
58501*	Twin Lakes Reservoir	39 06	106 21	9,200	1949-90+	52.29	3.80
58560*	Uravan	38 22	108 44	5,010	1960-90+	6.03	3.56
58575	Vail	39 38	106 22	8,230	1985-90+	20.55	13.81
58582	Vallecito Dam	37 22	107 35	7,650	1948-90+	1.82	2.04
58742*	Wagon Wheel Gap 3 N	37 48	106 50	8,500	1948-72	10.12	8.50
58963*	West Muddy Ranger Station	39 06	107 31	8,300	1950-57	--	8.05
59045*	Wilcox Ranch	38 55	107 31	5,900	1948-51	--	20.82
59181	Wolf Creek Pass 1 E	37 29	106 47	10,640	1957-90+	10.99	9.27
59183	Wolf Creek Pass 4 W	37 29	106 52	9,430	1948-74	70.31	15.19
59275	Yellow Jacket 2 W	37 31	108 45	6,860	1962-90+	2.68	1.30

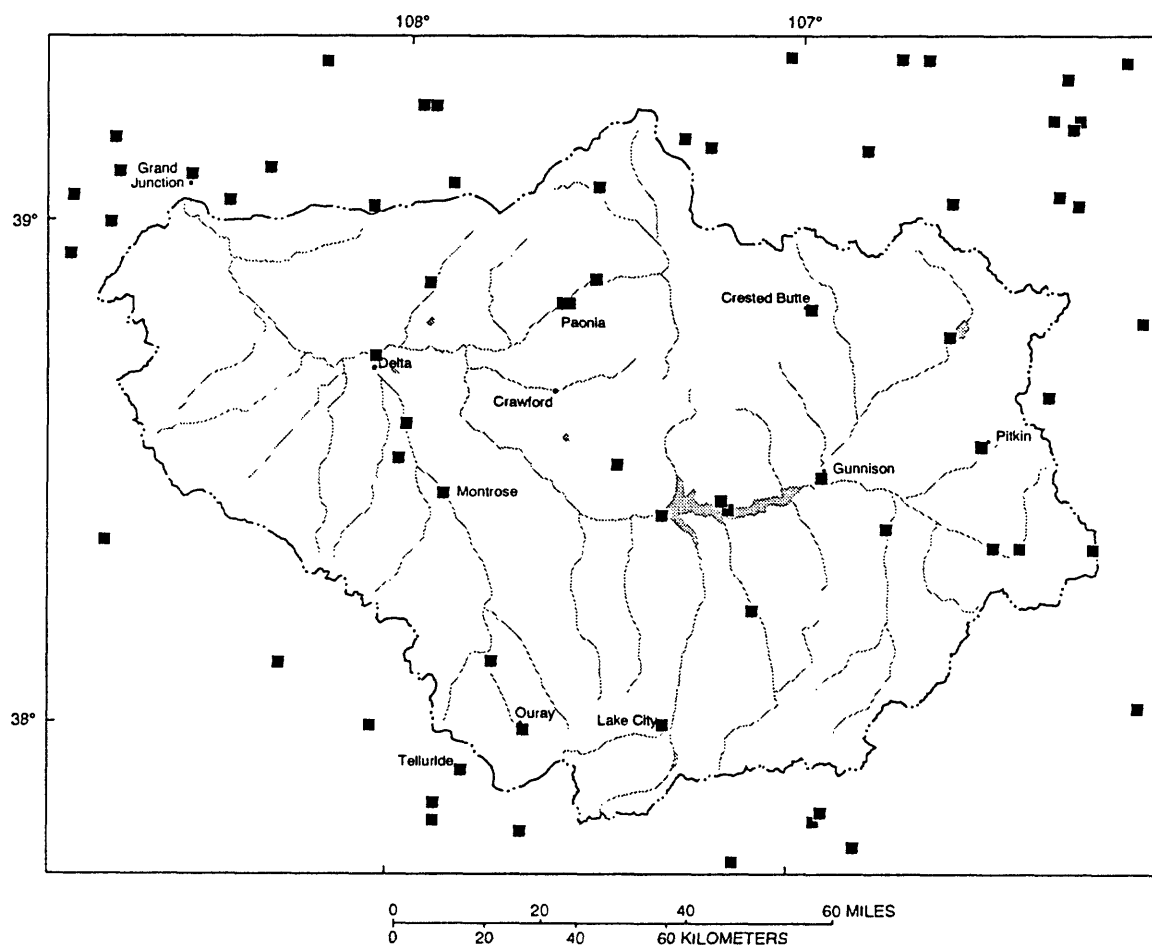


Figure 9. U.S. National Weather Service data-collection sites in Gunnison River basin and surrounding area, Colorado. (See table 6 and figures 1 and 3.)

TABLE 7. U.S. Soil Conservation Service snowpack-telemetry (SNOTEL) sites in Carson River and Truckee River basins and surrounding areas, California and Nevada

[Data from Soil Conservation Service (Portland, Ore.). Site ID number: Soil Conservation Service station identification number; *, site plotted in figure 10. Location: N lat, north latitude; W long, west longitude. Altitude: some values rounded to nearest 50 feet. Hydrologic-unit code: eight-digit code for geographic area representing all or part of surface drainage basin or distinct hydrologic feature as delineated by Office of Water-Data Coordination (Water Resources Division, U.S. Geological Survey). Within each State, sites listed in alphabetical order by station name]

Site ID number	Station name	County	Location		Altitude (feet above sea level)	Hydrologic-unit code
			N lat (degrees, minutes)	W long (degrees, minutes)		
California						
19L05S*	Blue Lakes	Alpine	38 36	119 55	8,000	18040012
20K31S*	Central Sierra Snow Laboratory.	Nevada	39 20	120 22	6,900	18020128
19L19S*	Ebbetts Pass	Alpine	38 33	119 48	8,700	16050201
20L06S*	Echo Peak	El Dorado	38 51	120 04	7,800	16050101
20L10S*	Fallen Leaf	El Dorado	38 56	120 03	6,300	16050101
19L03S*	Hagan's Meadow	El Dorado	38 51	119 56	8,000	16050101
19L24S*	Heavenly Valley	El Dorado	38 56	119 54	8,850	16050101
20K04S*	Independence Camp	Sierra	39 27	120 17	7,000	16050102
20K03S*	Independence Creek	Sierra	39 29	120 17	6,500	16050102
20K05S*	Independence Lake	Nevada	39 25	120 19	8,450	16050102
19L38S*	Leavitt Lake	Mono	38 16	119 37	9,400	16050302
19L08S*	Leavitt Meadows	Mono	38 20	119 33	7,200	16050302
19L17S*	Lobdell Lake	Mono	38 26	119 22	9,200	16050302
19L40S*	Monitor Pass	Alpine	38 35	119 36	8,350	16050101
19L06S*	Poison Flat	Alpine	38 30	119 38	7,900	16050201
20L02S*	Rubicon 2	El Dorado	39 00	120 08	7,500	16050101
19L07S*	Sonora Pass	Mono	38 19	119 36	8,800	16050302
19L39S*	Spratt Creek	Alpine	38 40	119 49	6,200	16050201
20K30S*	Squaw Valley G.C.	Placer	39 11	120 15	7,800	16050102
20K27S*	Tahoe City Cross	Placer	39 10	120 09	6,750	16050101
20K13S*	Truckee 2	Placer	39 18	120 12	6,400	16050102
19L13S*	Virginia Lakes Ridge	Mono	38 05	119 15	9,500	16050301
20K25S*	Ward Creek 3	Placer	39 08	120 14	6,750	16050101
19L18S*	Wet Meadows	Alpine	38 37	119 52	8,050	16050201
Nevada						
14K02S	Berry Creek	White Pine	39 21	114 39	9,100	16060008
17K04S	Big Creek Summit	Lander	39 18	117 07	7,800	16040107
19K08S*	Big Meadow	Washoe	39 27	119 57	8,300	16050102
15J12S	Corral Canyon	Elko	40 17	115 32	8,500	16040103
15K03S	Diamond Peak	White Pine	39 34	115 51	8,000	16060005
15J09S	Green Mountain	Elko	40 23	115 31	8,000	16040103
19K04S*	Marlette Lake	Carson City	39 09	119 54	8,000	16050101
19K07S*	Mount Rose Ski Area	Washoe	39 19	119 53	8,850	16050102
19K02S*	Mount Rose	Washoe	39 21	119 53	9,000	16050102
14K05S	Ward Mountain	White Pine	39 38	114 57	8,900	16060007

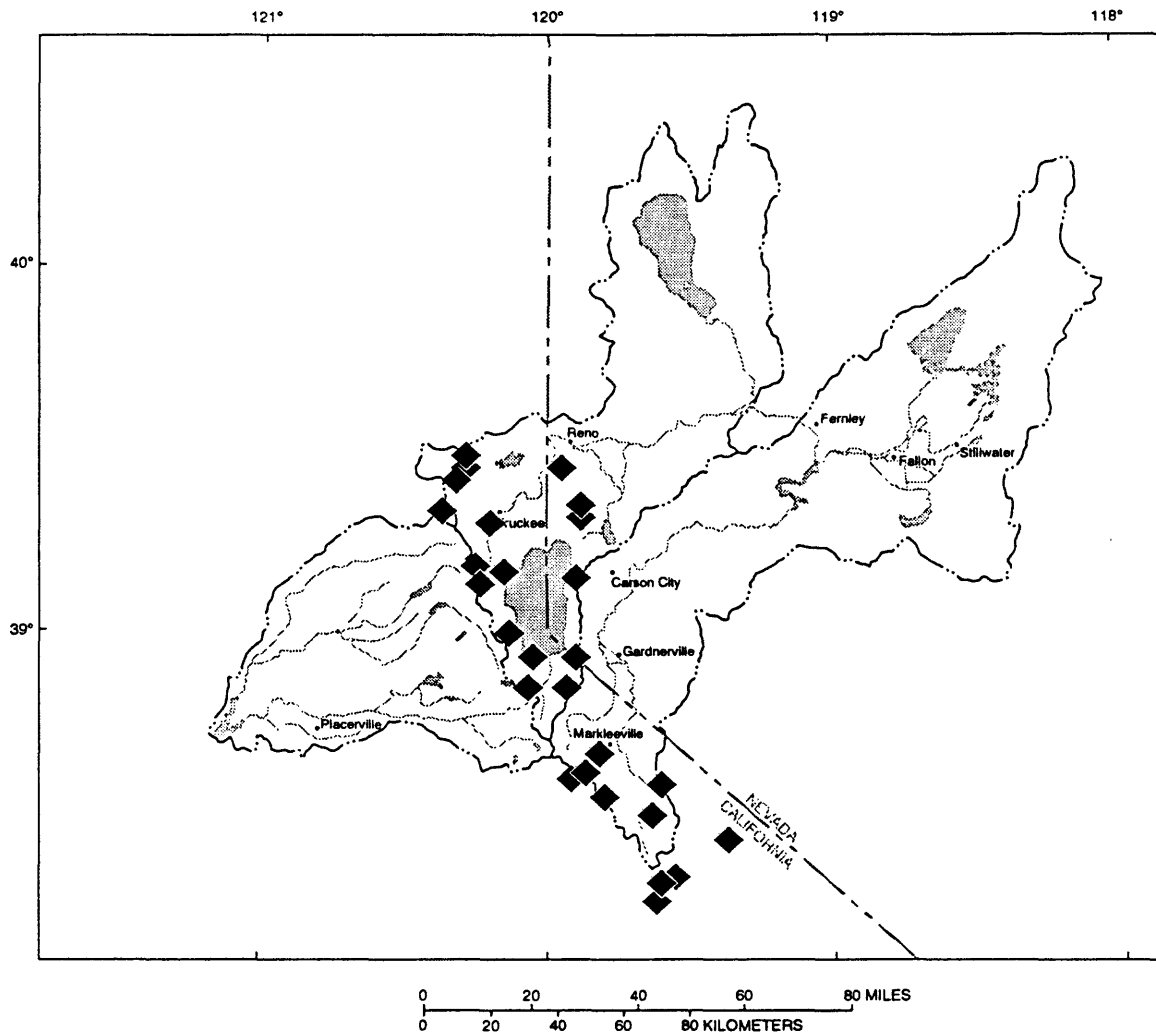


Figure 10. U.S. Soil Conservation Service snowpack-telemetry (SNOTEL) sites in Carson River and Truckee River basins and surrounding areas, California and Nevada. (See table 7 and figures 1 and 2.)

TABLE 8. U.S. Soil Conservation Service snowpack-telemetry (SNOTEL) sites in Gunnison River basin and surrounding area, Colorado

[Data from Soil Conservation Service (Portland, Ore.). Site ID number: Soil Conservation Service station identification number; *, site plotted in figure 11; --, not applicable or not available. Location: N lat, north latitude; W long, west longitude. Altitude: some values rounded to nearest 10 feet. Hydrologic-unit code: eight-digit code for geographic area representing all or part of surface drainage basin or distinct hydrologic feature as delineated by Office of Water-Data Coordination (Water Resources Division, U.S. Geological Survey). Sites listed in alphabetical order by station name]

Site ID number	Station name	County	Location		Altitude (feet above sea level)	Hydrologic-unit code
			N lat (degrees, minutes)	W long (degrees, minutes)		
05M07S	Apishapa	Huerfano	37 19	105 04	10,000	11020007
05K06S	Arrow	Grand	39 55	105 45	9,680	14010001
05J39S	Bear Lake	Larimer	40 18	105 38	9,500	10190006
07M32S	Beartown	Mineral	37 43	107 30	11,600	13010001
05K14S	Berthoud Summit	Grand	39 48	105 46	11,300	14010001
07K12S	Bison Lake	Garfield	39 46	107 21	10,880	14010005
06K40S*	Brumley Lake	Lake	39 05	106 32	10,600	11020001
07K02S	Burro Mountain	Rio Blanco	39 53	107 36	9,400	14050005
06L11S*	Butte	Gunnison	38 53	106 57	10,160	14020001
07M05S	Cascade	San Juan	37 39	107 48	8,880	14080104
--	Cascade 2	San Juan	37 39	107 48	8,920	14080104
08K02S	Cathedral Bluffs	Rio Blanco	39 53	108 36	8,500	14050007
06J03S	Columbine	Jackson	40 23	106 36	9,400	10180001
08L02S*	Columbine Pass	Montrose	38 26	108 22	9,400	14020005
05J18S	Copeland Lake	Boulder	40 12	105 34	8,600	10190005
06K24S	Copper Mountain	Summit	39 29	106 10	10,500	14010002
07J04S	Crosho	Rio Blanco	40 10	107 03	9,100	14050001
05M03S	Culebra	Costilla	37 12	105 12	10,500	13010002
06M22S	Cumbres Trestle	Conejos	37 01	106 27	10,040	13020102
05J06S	Deadman Hill	Larimer	40 48	105 46	10,220	10190007
06J01S	Dry Lake	Routt	40 32	106 47	8,400	14050001
08M06S*	El Diente Peak	Dolores	37 48	108 03	10,000	14030002
06J15S	Elk River	Routt	40 50	106 58	8,700	14050001
06K08S*	Fremont Pass	Summit	39 22	106 12	11,400	14010002
05K09S	Grizzly Peak	Summit	39 39	105 52	11,100	14010002
06K42S*	Hagerman tunnel	Pitkin	39 16	106 30	11,150	14010004
06K01S	Hoosier Pass	Park	39 22	106 03	11,400	10190001
07M27S*	Idarado	Ouray	37 56	107 40	9,800	14020006
06K04S*	Independence Pass	Pitkin	39 04	106 36	10,600	14010004
05J37S	Joe Wright	Larimer	40 31	105 53	10,120	10190007
06K30S*	Kiln	Pitkin	39 19	106 36	9,600	14010004
05J41S	Lake Eldora	Gilpin	39 56	105 35	9,700	10190005
05J10S	Lake Irene	Grand	40 25	105 49	10,700	14010001
06M23S	Lily Pond	Conejos	37 23	106 33	11,000	13010002
07M29S*	Lizard Head Pass	Dolores	37 48	107 56	10,200	14030002
08M07S*	Lone cone	San Miguel	37 54	108 11	9,600	14030003
06J06S	Lynx Pass	Routt	40 05	106 40	8,880	14010001
07K09S*	McClure Pass	Pitkin	39 07	107 17	9,500	14020004
08K04S*	Mesa Lakes	Mesa	39 03	108 05	10,000	14010005
07M21S	Middle Creek	Mineral	37 37	107 02	11,250	13010001
07M14S*	Mineral Creek	San Juan	37 51	107 43	10,040	14080104
07M12S*	Molas Lake	San Juan	37 45	107 41	10,500	14080104
06K06S*	Nast Lake	Pitkin	39 18	106 36	8,700	14010004
07K10S	Naval oil shale	Garfield	39 36	107 56	8,800	14010005
05J42S	Niwot	Boulder	40 02	105 32	11,300	10190005
07K01S*	North Lost Trail	Gunnison	39 04	107 08	9,200	14010004
07K14S*	Overland Reservoir	Delta	39 05	107 38	9,084	14020004
06L02S*	Park Cone	Gunnison	38 49	106 35	9,600	14020001
07K06S*	Park Reservoir	Delta	39 02	107 52	9,960	14020005
05J04S	Phantom Valley	Grand	40 24	105 51	9,030	14010001
06L03S*	Porphyry Creek	Gunnison	38 29	106 20	10,760	14020003
06J09S	Rabbit Ears	Routt	40 22	106 44	9,400	14050001
07M33S*	Red Mountain Pass	Ouray	37 53	107 43	11,200	14080104
07J05S	Ripple Creek	Rio Blanco	40 07	107 18	10,340	14050005
06J12S	Roach	Larimer	40 52	106 03	9,700	10180010

TABLE 8. U.S. Soil Conservation Service snowpack-telemetry (SNOTEL) sites in Gunnison River basin and surrounding area, Colorado--Continued

Site ID number	Station name	County	Location		Altitude (feet above sea level)	Hydrologic-unit code
			N lat (degrees, minutes)	W long (degrees, minutes)		
--	Sangre School	Alamosa	37 40	105 50	7,550	13010003
07K11S*	Schofield Pass	Gunnison	39 01	107 03	10,700	14020001
08M08S	Scotch Creek	Dolores	37 39	108 01	9,100	14030002
07M30S*	Slumgullion	Hinsdale	37 59	107 12	11,440	14020002
07M11S	Spud Mountain	San Juan	37 42	107 46	10,660	14080104
05J12S	Stillwater Creek	Grand	40 13	105 55	8,720	14010001
07M34S	Stump Lakes	San Juan	37 29	107 38	11,200	14080104
06K14S	Summit Ranch	Summit	39 43	106 09	9,400	14010002
06J29S	Tower	Routt	40 32	106 40	10,500	14050001
07K13S	Trapper Lake	Garfield	40 00	107 14	9,700	14050005
05M08S	Trinchera	Costilla	37 21	105 13	10,859	13010002
05J08S	University camp	Boulder	40 02	105 34	10,300	10190005
07M16S	Upper Rio Grande	Hinsdale	37 43	107 15	9,400	13010001
06M03S	Upper San Juan	Mineral	37 29	106 49	10,200	14080101
06K39S	Vail Mountain	Eagle	39 37	106 22	10,300	14010004
07M31S	Vallecito	La Plata	37 30	107 30	10,880	14080101
08K03S	West Fork Parachute	Garfield	39 38	108 13	7,800	14050006
05M14S	Whiskey Creek	Las Animas	37 13	105 07	10,220	11020010
06J05S	Willow Creek Pass	Grand	40 21	106 05	9,540	14010001
05J40S	Willow Park	Larimer	40 26	105 44	10,700	10190007
06M17S	Wolf Creek Summit	San Juan	39 28	106 48	11,000	14080101

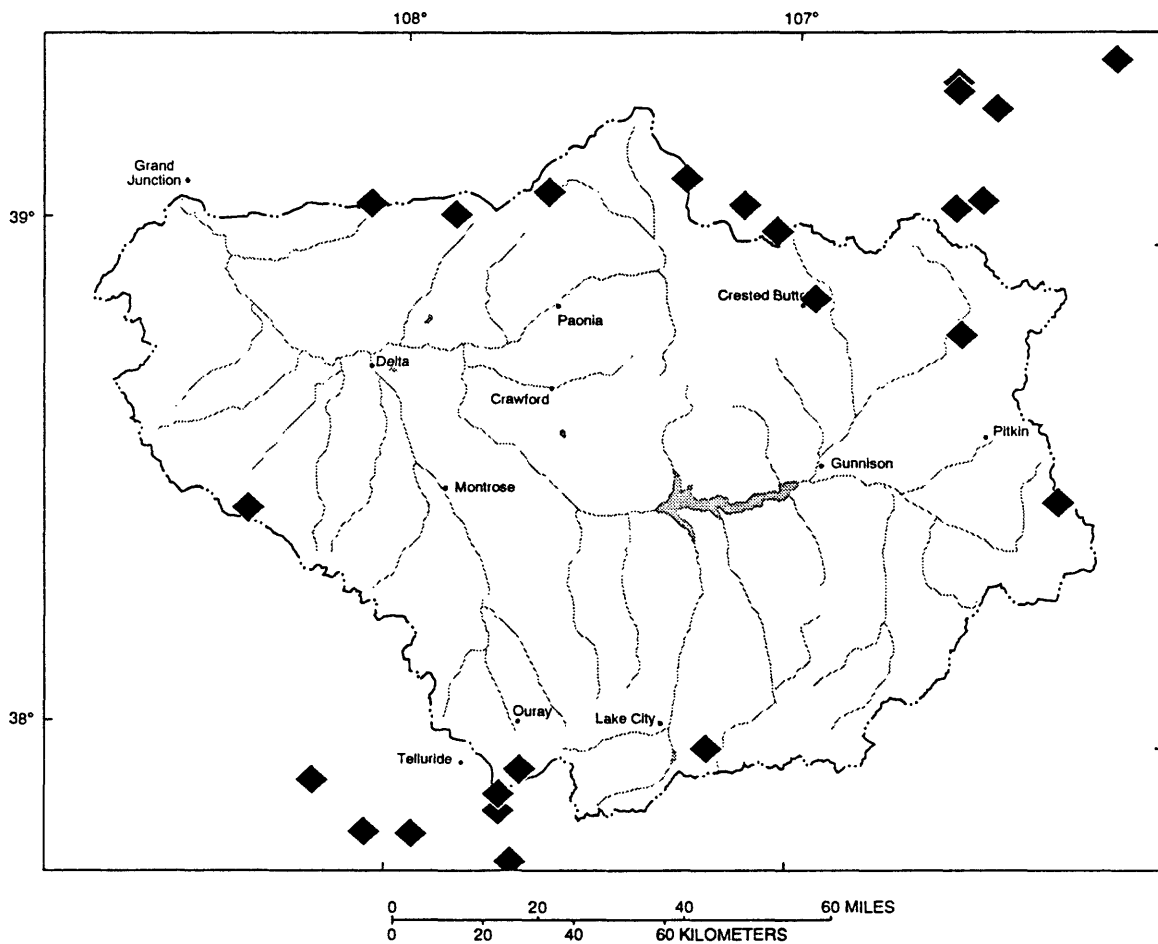


Figure 11. U.S. Soil Conservation Service snowpack-telemetry (SNOTEL) sites in Gunnison River basin and surrounding area, Colorado. (See table 8 and figures 1 and 3.)

TABLE 9. U.S. Soil Conservation Service snow-course sites in American River, Carson River, and Truckee River basins and surrounding areas, California and Nevada

[Data from Soil Conservation Service (Portland, Ore.). Site ID number: Soil Conservation Service station identification number; *, site plotted in figure 12. Station name: SNOTEL, snowpack telemetry. Location: N lat, north latitude; W long, west longitude. Altitude: some values rounded to nearest 50 feet. Hydrologic-unit code: eight-digit code for geographic area representing all or part of surface drainage basin or distinct hydrologic feature as delineated by Office of Water-Data Coordination (Water Resources Division, U.S. Geological Survey). Within each State, sites listed in alphabetical order by station name]

Site ID number	Station name	County	Location		Altitude (feet above sea level)	Hydrologic-unit code
			N lat (degrees, minutes)	W long (degrees, minutes)		
California						
19L05*	Blue Lakes	Alpine	38 36	119 55	8,000	18040012
20K14*	Boca #2	Nevada	39 22	120 05	5,900	16050102
19L35*	Bond Pass	Tuolumne	38 11	119 37	9,300	18040009
20K22*	Brockway Summit #1 and #2	Placer	39 16	120 04	7,100	16050102
18M02	Campito Mountain	Mono	37 30	118 14	10,200	16060010
20L11*	Caples Lake	Alpine	38 43	120 03	8,000	18020129
19L04*	Carson Pass, upper	Alpine	38 42	119 59	8,600	18040012
20K28*	Castle Creek	Nevada	39 21	120 21	7,400	18020129
19L12*	Center Mountain	Mono	38 09	119 28	9,400	16050301
19L30*	Center Mountain (aerial marker)	Mono	38 09	119 28	9,400	16050301
20K31*	Central Sierra Snow Laboratory	Nevada	39 17	120 20	6,900	18020128
19L37*	Dodge Ridge	Tuolumne	38 11	119 56	8,150	18040009
20K21*	Donner Park #2	Nevada	39 19	120 15	6,000	16050102
20K10*	Donner Summit	Nevada	39 19	120 20	6,900	16050102
19L32*	Ebbetts Pass #2	Alpine	39 20	119 46	8,700	16050201
19L19*	Ebbetts Pass (aerial marker)	Alpine	39 20	119 46	8,700	16050201
20L06*	Echo Peak	El Dorado	38 51	120 04	7,800	16050101
20L05*	Echo Summit	El Dorado	38 50	120 02	7,500	18020129
20L10*	Fallen Leaf	El Dorado	38 56	120 03	6,300	16050101
19L16*	Fish Lake Valley (aerial marker)	Mono	38 27	119 36	8,050	16050302
20K07*	Fordyce Lake	Nevada	39 21	120 30	6,500	18020125
20J02*	Fredonyer Pass #1	Lassen	40 22	120 52	5,750	18080003
19L02*	Freel Bench	El Dorado	38 51	119 57	7,300	16050101
20K08*	Furnace Flat	Nevada	39 21	120 30	6,600	18020125
20K29*	Grizzly	Plumas	39 55	120 39	6,900	18020122
19L03*	Hagans Meadow	El Dorado	38 51	119 56	8,000	16050101
19L24*	Heavenly Valley	El Dorado	38 56	119 54	8,800	16050101
20K04*	Independence Camp	Sierra	39 27	120 17	7,000	16050102
20K03*	Independence Creek	Sierra	39 29	120 17	6,500	16050102
20K05*	Independence Lake	Nevada	39 25	120 19	8,450	16050102
20L04*	Lake Lucille	El Dorado	38 52	120 07	8,400	16050101
19L38*	Leavitt Lake	Mono	38 16	119 37	9,400	16050302
19L08*	Leavitt Meadows	Mono	38 20	119 33	7,200	16050302
19L17*	Lobdell Lake	Mono	38 26	119 22	9,200	16050302
19L40*	Monitor Pass (aerial marker)	Alpine	38 40	119 35	8,350	16050302
19L36*	New Grace Meadow	Tuolumne	38 09	119 37	8,900	18040009
20K23*	Onion Creek	Placer	39 17	120 22	6,100	18020128
18M04*	Piute Pass (aerial marker)	Mono	37 33	118 12	11,700	16060010
19L06*	Poison Flat	Alpine	38 30	119 38	7,900	16050201
19L33*	Poison Flat (aerial marker)	Alpine	38 31	119 38	7,900	16050201
20L03*	Richardsons #2	El Dorado	38 55	120 03	6,500	16050101
20J01*	Rowland Creek	Plumas	40 01	120 18	6,700	18020122
20L01*	Rubicon #1	El Dorado	39 00	120 08	8,100	16050101
20L02*	Rubicon #2	El Dorado	39 00	120 08	7,500	16050101
20K06*	Sagehen Creek	Nevada	39 25	120 14	6,500	16050102
19L34*	Sawmill Ridge	Mono	38 11	119 21	8,750	16050301
21J01*	Silver Lake Meadows	Lassen	40 30	121 09	6,450	18080003
19L07*	Sonora Pass	Mono	38 19	119 36	8,800	16050302
19L23*	Sonora Pass Bridge	Mono	38 19	119 36	8,800	16050302
19L39*	Spratt Creek	Alpine	38 40	119 49	6,200	16050201
20K19*	Squaw Valley #2	Placer	39 11	120 15	7,500	16050102
20K30*	Squaw Valley Gold Coast	Placer	39 11	120 15	8,200	16050102
20K27*	Tahoe City Cross	Placer	39 10	120 09	6,750	16050101
19M01	Tioga Pass	Mono	37 55	119 15	9,900	18090101
20K13*	Truckee #2	Placer	39 18	120 12	6,400	16050102

TABLE 9. U.S. Soil Conservation Service snow-course sites in American River, Carson River, and Truckee River basins and surrounding areas, California and Nevada--Continued

Site ID number	Station name	County	Location		Altitude (feet above sea level)	Hydrologic-unit code
			N lat (degrees, minutes)	W long (degrees, minutes)		
California--Continued						
19L01*	Truckee, Upper	El Dorado	38 52	119 59	6,250	16050101
19L13	Virginia Lakes	Tuolumne	38 05	119 15	9,500	16050301
19L22	Virginia Lakes Ridge	Mono	38 05	119 15	9,200	16050301
20K17*	Ward Creek #2	Placer	39 08	120 13	7,000	16050101
20K25*	Ward Creek #3	Placer	39 08	120 14	6,750	16050101
20K02*	Webber Lake	Sierra	39 29	120 26	7,000	16050102
20K01*	Webber Peak	Sierra	39 29	120 26	8,000	16050102
19L31*	Wet Meadows #2	Alpine	38 37	119 52	8,100	16050201
19L18*	Wet Meadows Lake (aerial marker)	Alpine	38 37	119 52	8,050	16050201
19L09*	Willow Flat	Mono	38 16	119 27	8,250	16050302
19L20*	Wolf Creek (aerial marker)	Alpine	38 29	119 44	8,000	16050201
Nevada						
14L01	Baker Creek #1	White Pine	38 58	114 15	7,950	16020301
14L02	Baker Creek #2	White Pine	38 58	114 16	8,950	16020301
14L03	Baker Creek #3	White Pine	38 58	114 16	9,250	16020301
14K02	Berry Creek	White Pine	39 21	114 39	9,100	16060008
17K01	Big Creek Campground	Lander	39 21	117 08	6,600	16040107
17K02	Big Creek Mine	Lander	39 18	117 07	7,600	16040107
17K04	Big Creek, Summit	Lander	39 18	117 07	8,700	16040107
17K03	Big Creek, Upper	Lander	39 18	117 07	7,800	16040107
19K01*	Big Meadows	Lander	39 27	119 57	8,300	16050102
14K01	Bird Creek	White Pine	39 28	114 39	7,500	16060008
15N02	Clark Canyon	Clark	36 16	115 45	9,000	16060014
19K05*	Clear Creek	Douglas	39 07	119 54	7,300	16050201
15L02	Corduroy Flat (aerial marker)	White Pine	38 49	115 23	8,720	15010011
15J12	Corral Canyon	Elko	40 17	115 32	8,500	16040103
14K09	Defiance mines (aerial marker)	White Pine	39 05	114 57	9,200	16060008
15K03	Diamond Peak (SNOTEL site)	White Pine	39 35	115 52	8,040	16060005
19K06*	Glenbrook #2	Douglas	39 05	119 55	6,900	16050101
15J09	Green Mountain	Elko	40 23	115 23	8,000	16040103
15J10	Harrison Pass #1	Elko	40 18	115 32	6,600	16040103
15J11	Harrison Pass #2	Elko	40 17	115 32	7,400	16040103
14K08	Kalamazoo Creek	White Pine	39 31	114 36	7,400	16060008
15N05	Kyle Canyon	Clark	36 16	115 40	8,200	15010015
15N03	Lee Canyon #2	Clark	36 20	115 40	9,000	15010015
15N08	Lee Canyon #3	Clark	36 17	115 41	8,400	15010015
19K03*	Little Valley	Washoe	39 15	119 53	6,300	16050102
19K04*	Marlette Lake	Carson City	39 09	119 54	8,000	16050101
18M01	Montgomery Pass	Mineral	37 58	118 19	7,100	16060010
19K02*	Mount Rose	Washoe	39 21	119 53	9,000	16050102
19K07*	Mount Rose Ski Area	Washoe	39 19	119 53	8,850	16050102
14K03	Murray Summit	White Pine	39 14	114 49	7,250	16060007
17L03	Northumberland Mine	Nye	39 05	116 20	9,000	16060005
15N07	Rainbow Canyon #2	Clark	36 15	115 38	8,100	15010015
15K01	Robinson Summit	White Pine	39 25	115 06	7,600	16060007
14K07	Silver Creek #2	White Pine	39 14	114 15	8,000	16060008
15J19	Smith Creek	Elko	40 27	115 31	7,600	16040103
15H09	Taylor Canyon	Elko	36 16	115 45	6,200	17050105
15N01	Trough Springs	Clark	36 18	115 46	8,500	16060014
14K05	Ward Mountain #2	White Pine	39 08	114 49	8,900	16060007
15L01	White River #1	White Pine	38 49	115 21	7,400	15010011

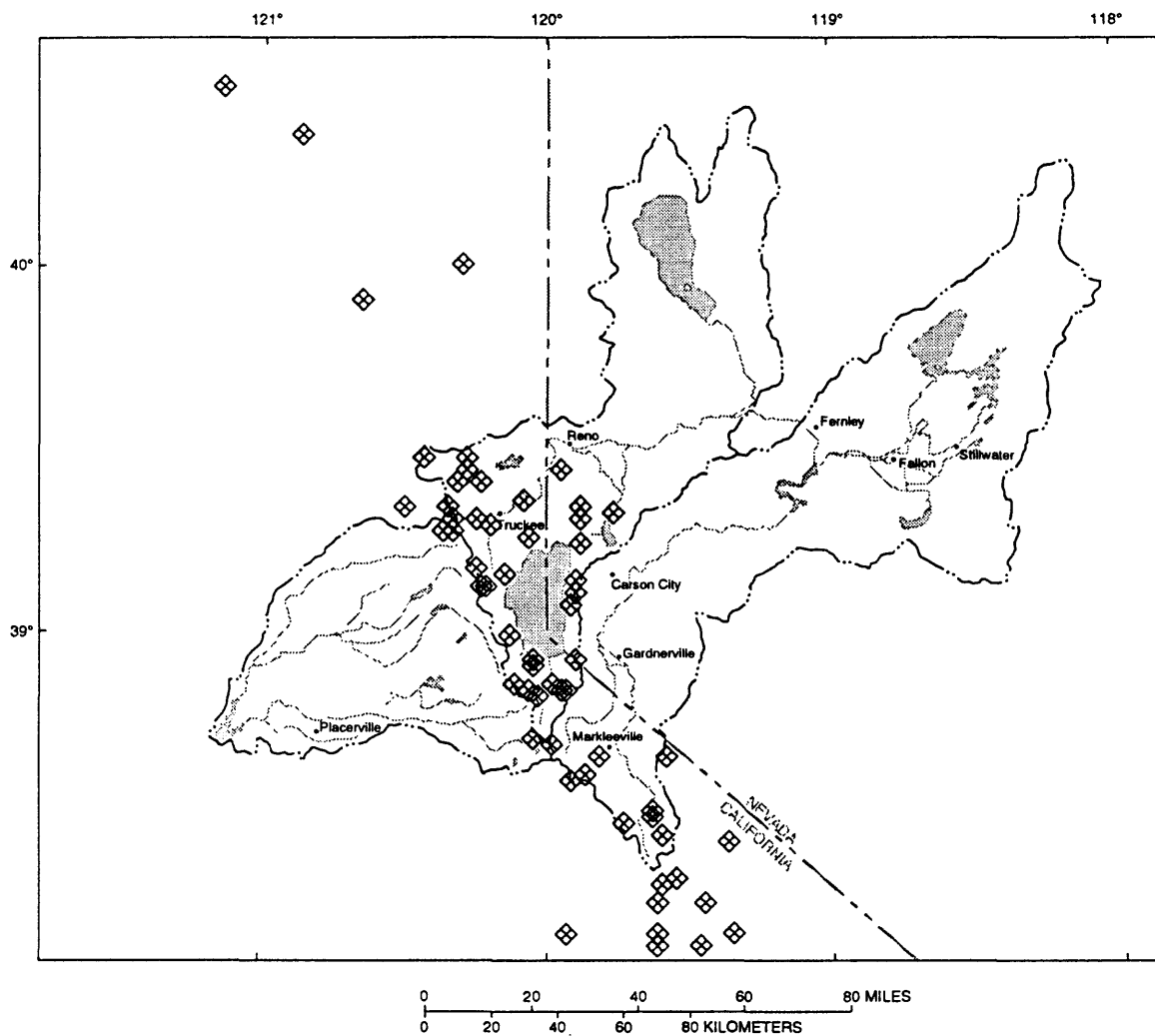


Figure 12. U.S. Soil Conservation Service snow-course sites in American River, Carson River, and Truckee River basins and surrounding areas, California and Nevada. (See table 9 and figures 1 and 2.)

TABLE 10.---U.S. Soil Conservation Service snow-course sites in Gunnison River basin and surrounding area, Colorado

[Data from Soil Conservation Service (Portland, Ore.). Site ID number: Soil Conservation Service station identification number; *, site plotted in figure 13. Location: N lat, north latitude; W long, west longitude. Altitude: some values rounded to nearest 10 feet. Hydrologic-unit code: eight-digit code for geographic area representing all or part of surface drainage basin or distinct hydrologic feature as delineated by Office of Water-Data Coordination (Water Resources Division, U.S. Geological Survey). Sites listed in alphabetical order by station name]

Site ID number	Station name	County	Location		Altitude (feet above sea level)	Hydrologic-unit code
			N lat (degrees, minutes)	W long (degrees, minutes)		
07K03*	Alexander Lake	Mesa	39 02	107 58	10,160	14020005
05L05	Antero	Park	38 55	105 58	9,300	10190001
05L06	Antero Reservoir	Park	38 59	105 52	9,000	10190001
05M07	Apishapa	Huerfano	37 19	105 04	10,000	11020007
05K06	Arrow	Grand	39 55	105 45	9,680	14010001
05K23	Baltimore	Gilpin	39 54	105 34	8,800	10190005
05J33	Bennett Creek	Larimer	40 39	105 37	9,200	10190007
05K13	Berthoud Falls	Clear Creek	39 47	105 47	10,500	10190004
05K03	Berthoud Pass	Grand	39 49	105 45	9,700	14010001
05K14	Berthoud Summit	Grand	39 48	105 46	11,300	14010001
06M25	Big Meadows	Mineral	37 32	106 47	9,360	13010001
05J03	Big South	Larimer	40 37	105 49	8,600	10190007
05L03	Bigelow Divide	Custer	38 06	105 07	9,350	11020002
05L08	Bison Reservoir	Teller	38 46	105 06	10,220	11020003
06K21	Blue River	Summit	39 23	106 03	10,500	14010002
05J25	Boulder Falls	Boulder	40 01	105 34	10,000	10190005
05M05	Bourbon	Las Animas	37 11	105 06	9,600	11020010
05M04	Brown Cabin	Costilla	37 33	105 24	9,600	13010002
07K02	Burro Mountain	Rio Blanco	39 53	107 36	9,400	14050005
06L11*	Butte	Gunnison	38 53	106 57	10,160	14020001
06J37	Butterhill	Routt	40 56	106 59	7,880	14050003
05J01	Cameron Pass	Jackson	40 31	105 53	10,285	10190007
07M05	Cascade	San Juan	37 39	107 48	8,880	14080104
05J02	Chambers Lake	Larimer	40 36	105 50	9,000	10190007
06L06*	Cochetopa Pass	Saguache	38 09	106 35	10,000	13010004
06J03	Columbine Lodge	Jackson	40 23	106 36	9,400	10180001
08L02*	Columbine Pass	Montrose	38 26	108 22	9,400	14020005
05K25	Como	Park	39 21	105 55	10,370	10190001
05J18	Copeland Lake	Boulder	40 12	105 34	8,600	10190005
07L01*	Crested Butte	Gunnison	38 53	107 00	8,920	14020001
07J04	Crosho	Rio Blanco	40 10	107 03	9,100	14050001
05M12	Cucharas Creek	Huerfano	37 19	105 05	9,700	11020006
05M03	Culebra	Costilla	37 12	105 12	10,500	13010002
06M07	Cumbres Pass	Conejos	37 01	106 27	10,020	13020102
06M22	Cumbres Trestle	Conejos	37 01	106 27	10,040	13020102
05J06	Deadman Hill	Larimer	40 48	105 46	10,220	10190007
05J17	Deer Ridge	Larimer	40 23	105 38	9,000	10190006
06J01	Dry Lake	Routt	40 32	106 47	8,400	14050001
05L07	Eleven Mile	Park	38 57	105 34	8,590	10190001
06J36	Elkhorn	Routt	40 59	106 55	8,475	14050003
06J15	Elk River 2	Routt	40 50	106 58	8,700	14050001
05K10	Empire	Clear Creek	39 46	105 47	9,600	10190004
06K07*	Four Mile Park	Lake	39 04	106 26	9,700	11020001
06K08*	Fremont Pass	Summit	39 22	106 12	11,400	14010002
05K11	Geneva Park	Park	39 30	105 42	9,750	10190002
06K20	Glen Mar Ranch	Grand	39 51	106 04	8,750	14010001
06J11	Gore Pass	Grand	40 05	106 32	9,400	14010001
05J16	Granby	Grand	40 09	105 59	8,600	14010001
05J19	Grand Lake	Grand	40 15	105 50	8,600	14010001
05J09	Grand Lake, north inlet	Grand	40 17	105 46	9,000	14010001
06M21	Grayback	Trinity	37 28	106 32	11,600	13010002
05K09	Grizzly Peak	Summit	39 39	105 52	11,100	14010002
08M03*	Groundhog	Dolores	37 48	108 16	8,940	14080107
06K42*	Hagerman tunnel	Lake	39 16	106 30	11,150	14010004
06J14	Hahn's Peak	Routt	40 47	106 55	8,200	14050001

TABLE 10.--U.S. Soil Conservation Service snow-course sites in Gunnison River basin and surrounding area, Colorado--Continued

Site ID number	Station name	County	Location		Altitude (feet above sea level)	Hydrologic-unit code
			N lat (degrees, minutes)	W long (degrees, minutes)		
05L04	Hermit Lake	Saguache	38 06	105 38	10,400	11020001
05J13	Hidden Valley	Larimer	40 23	105 39	9,480	10190006
06M19	Hiway	Mineral	37 28	106 47	10,700	13010001
06K01	Hoosier Pass	Park	39 22	106 03	11,400	10190001
06K35*	Horseshoe Mountain	Park	39 12	106 08	11,200	10190001
05J11	Hourglass Lake	Larimer	40 34	105 37	9,360	10190006
05M15	Huerfano	Huerfano	37 39	105 28	10,080	11020006
07M27*	Idarado	Ouray	37 56	107 40	9,800	14020006
06K04*	Independence Pass	Pitkin	39 04	106 36	10,600	14010004
07M06*	Ironton Park	Ouray	37 58	107 39	9,600	14020006
06K10*	Ivanhoe	Pitkin	39 17	106 33	10,400	14010004
05K08	Jefferson Creek	Park	39 26	105 52	10,280	10190002
05J37	Joe Wright	Larimer	40 31	105 53	10,120	10190007
05K21	Jones Pass	Grand	39 46	105 54	10,400	14010001
07L04*	Keystone	Gunnison	38 52	107 02	9,960	14020001
06K30*	Kiln	Pitkin	39 19	106 36	9,600	14010004
06M11	La Manga	Conejos	37 05	106 22	10,120	13010005
08M04	La Plata	Pitkin	37 25	108 03	9,340	14080107
05M01	La Veta Pass	Costilla	37 35	105 12	9,440	13010002
07M08*	Lake City	Hinsdale	37 59	107 15	10,160	14020002
06M15	Lake Humphrey	Mineral	37 40	106 52	9,200	13010001
05J10	Lake Irene	Grand	40 25	105 49	10,700	14010001
05K07	Lapland	Grand	39 53	105 53	9,300	14010001
07M23	Lemon Reservoir	La Plata	37 27	107 40	8,700	14080104
07M24	Lemon Reservoir 2	La Plata	37 27	107 39	10,000	14080104
06K27*	Lift	Pitkin	39 09	106 49	11,250	14010004
07M03*	Lizard Head	Dolores	37 48	107 56	10,200	14030002
07M29*	Lizard Head Pass	Dolores	37 48	107 56	10,200	14030002
08M07*	Lone Cone	San Miguel	37 54	108 11	9,600	14030003
05J22	Longs Peak	Larimer	40 16	105 35	10,500	10190006
07M10	Love Lake	Mineral	37 39	107 01	10,000	13010001
05K05	Loveland Pass	Clear Creek	39 41	105 54	10,800	10190004
06J06	Lynx Pass	Routt	40 05	106 40	8,880	14010001
08M02	Mancos T-Down	Montezuma	37 26	108 10	10,000	14080107
07K09*	McClure Pass	Gunnison	39 07	107 17	9,500	14020004
05J15	McIntyre	Larimer	40 47	105 56	9,100	10180010
06K28	McKenzie Gulch	Eagle	39 30	106 45	8,500	14010003
08K04*	Mesa Lakes	Mesa	39 03	108 05	10,000	14010005
07M21	Middle Creek	Mineral	37 37	107 02	11,250	13010001
06K12	Middle Fork Campground	Grand	39 47	106 01	9,000	14010001
05J24	Milner Pass	Larimer	40 24	105 50	9,750	14010001
07M14*	Mineral Creek	San Juan	37 51	107 43	10,040	14080104
07M12*	Molas Lake	San Juan	37 45	107 41	10,500	14080104
06L09*	Monarch Offshoot	Chaffee	38 31	106 19	10,500	11020001
06L04*	Monarch Pass	Chaffee	38 31	106 19	10,500	11020001
06K34*	Mosquito Creek	Park	39 17	106 08	11,000	10190001
06K06*	Nast Lake	Pitkin	39 18	106 36	8,700	14010004
07K01*	North Lost Trail	Gunnison	39 04	107 08	9,200	14010004
06J07	Northgate	Lake	40 56	106 17	8,550	10180031
07M18*	Ophir Loop	San Miguel	37 54	107 49	11,320	14030003
06K19	Pando	Eagle	39 27	106 20	9,500	14010003
06L02*	Park Cone	Gunnison	38 49	106 35	9,600	14020001
07K06*	Park Reservoir	Delta	39 02	107 52	9,960	14020005
06J02	Park View	Garfield	40 22	106 06	9,160	10180001
06M18	Pass Creek	Mineral	37 33	106 46	9,300	13010001
05J04	Phantom Valley	Grand	40 24	105 51	9,030	14010001
05J31	Pine Creek	Larimer	40 46	105 29	7,900	10190007
06M24	Pinos Mill	Conejos	37 02	106 25	10,000	13020102
06M09	Platoro	Conejos	37 21	106 33	9,950	13010005
06M14*	Pool Table Mountain	Mineral	37 48	106 48	9,840	13010001
07M20*	Porcupine	Hinsdale	37 50	107 10	10,200	13010001
06L03*	Porphyry Creek	Gunnison	38 29	106 20	10,760	14020003
06J09	Rabbit Ears	Routt	40 22	106 44	9,400	14050001
05K18	Ranch Creek	Grand	39 56	105 44	9,400	14010001
07M15*	Red Mountain Pass	San Miguel	37 54	107 42	11,020	14080104

TABLE 10.--U.S. Soil Conservation Service snow-course sites in Gunnison River basin and surrounding area, Colorado--Continued

Site ID number	Station name	County	Location		Altitude (feet above sea level)	Hydrologic-unit code
			N lat (degrees, minutes)	W long (degrees, minutes)		
08M05	Rico	Dolores	37 40	108 02	8,700	14030002
07J01	Rio Blanco	Garfield	40 02	107 17	8,500	14050005
06M05	River Springs	Conejos	37 04	106 16	9,300	13010005
06J12	Roach	Larimer	40 52	106 03	9,700	10180010
06L05*	Saint Elmo	Chaffee	38 42	106 22	10,400	11020001
07M17*	Santa Maria	Mineral	37 49	107 07	9,600	13010001
06K09	Shrine Pass	Summit	39 31	106 13	10,700	14010002
06M04	Silver Lakes	Conejos	37 22	106 24	9,500	13010002
05K16	Snake River	Summit	39 38	105 54	10,000	14010002
05M13	South Colony	Custer	37 58	105 32	11,140	11020001
05L10	Spruce Creek	Custer	38 13	105 41	10,940	11020001
07M11	Spud Mountain	San Juan	37 42	107 46	10,660	14080104
06K14	Summit Ranch	Summit	39 43	106 09	9,400	14010002
05K22	Sundance	Park	39 33	105 44	11,100	10190002
07M02*	Telluride	San Miguel	37 56	107 48	8,800	14030003
06K02*	Tennessee Pass	Lake	39 21	106 20	10,200	11020001
06K25*	Tennessee Pass 2	Lake	39 21	106 20	10,280	11020001
06J29	Tower	Routt	40 32	106 40	10,500	14050001
07K05*	Trickle Divide	Mesa	39 08	107 54	10,000	14010005
05M08	Trinchera	Costilla	37 21	105 13	10,859	13010002
06L12	Trout Creek Pass	Chaffee	38 55	106 03	9,850	11020001
07M09*	Trout Lake	San Miguel	37 50	107 53	9,780	14030003
07M28*	Trout Lake 2	San Miguel	37 50	107 53	9,780	14030003
06K03*	Twin Lakes tunnel	Lake	39 04	106 32	10,450	11020001
05J26	Two Mile	Larimer	40 23	105 40	10,500	10190006
05J08	University camp	Boulder	40 02	105 34	10,300	10190005
07M16	Upper Rio Grande	Hinsdale	37 43	107 15	9,400	13010001
06M03	Upper San Juan	Mineral	37 29	106 49	10,200	14080101
06K41	Ute Pass	Summit	39 49	106 06	9,550	14010002
07M31	Vallecito	La Plata	37 30	107 30	10,880	14080101
05K19	Vasquez	Grand	39 51	105 49	9,600	14010001
05J21	Ward	Boulder	40 05	105 30	9,500	10190005
05L02	Westcliffe	Custer	38 07	105 35	9,400	11020001
06K26	Weston	Park	39 04	106 01	9,300	10190001
05M14	Whiskey Creek	Las Animas	37 13	105 07	10,220	11020010
05J05	Wild Basin	Boulder	40 12	105 36	9,600	10190005
06J05	Willow Creek Pass	Grand	40 21	106 05	9,540	14010001
05J40	Willow Park	Larimer	40 26	105 44	10,700	10190007
06M01	Wolf Creek Pass	Mineral	37 28	106 47	10,320	13010001
06M17	Wolf Creek Summit	Mineral	37 28	106 48	11,000	14080101
06J10	Yampa View	Routt	40 21	106 46	8,200	14050001

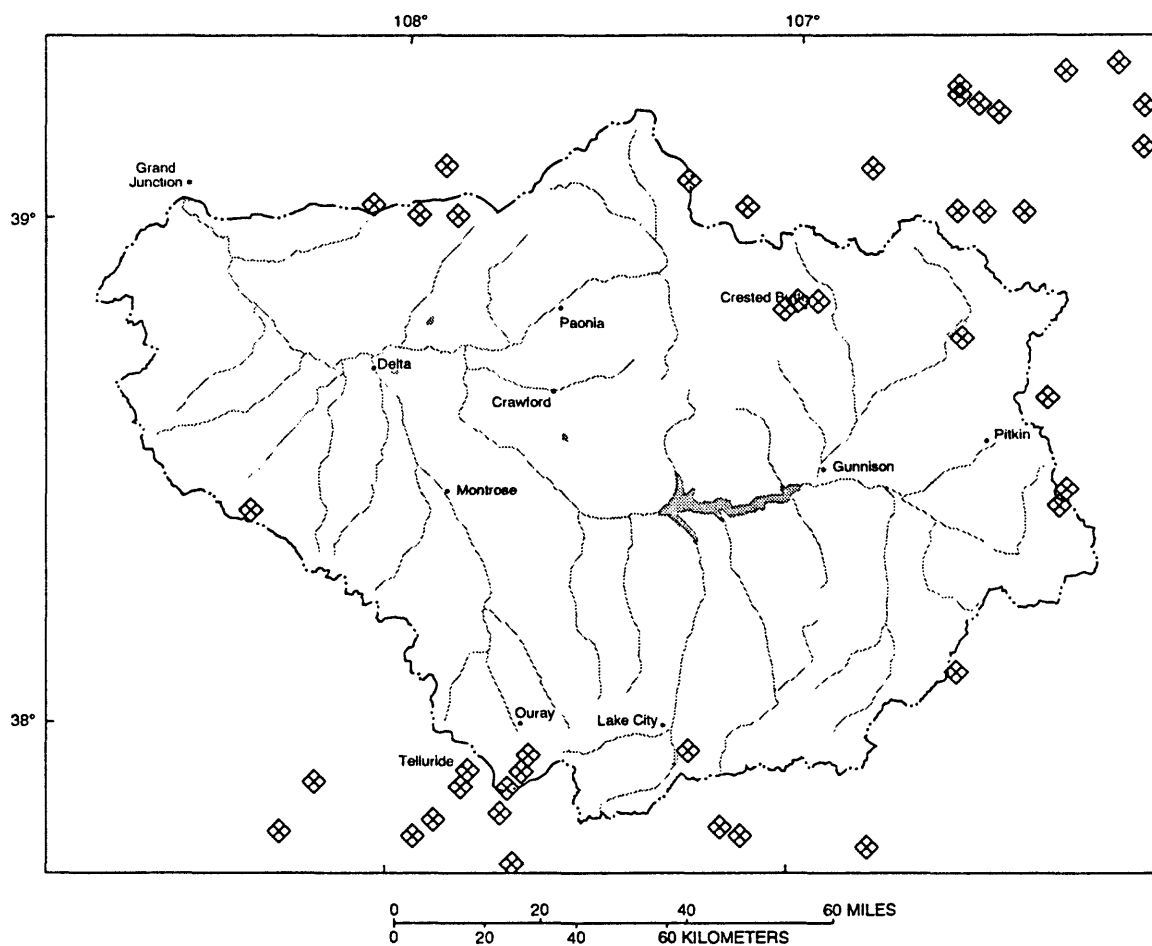


Figure 13. U.S. Conservation Service snow-course sites in Gunnison River basin and surrounding area, Colorado. (See table 10 and figures 1 and 3.)

TABLE 11. Remote Automatic Weather Stations in Western United States

[Source of data is U.S. Bureau of Land Management (Boise, Idaho). Data from Alaska and Hawaii not included. Site ID number: National Environmental Satellite Service (National Oceanic and Atmospheric Administration) station identification number. Station name: Parentheses indicate deactivated status. Station class or type: I, permanent stations maintained on year-round basis and part of dedicated 75-by-75-square-mile grid network; II, semipermanent stations; III, temporary 20-foot towers used for special projects; IV, temporary, very portable 6-foot towers; M, site from which data is collected by modem; T, talker site. (Only Class I and II data are archived, and only Class I and II stations are plotted in fig. 14.) Agency: USBIA, U.S. Bureau of Indian Affairs; USBLM, U.S. Bureau of Land Management; USFS, U.S. Forest Service; USFWS, U.S. Fish and Wildlife Service; USNPS, U.S. National Park Service; WDNR, Washington Department of Natural Resources. Location: N lat, north latitude; W long, west longitude. Altitude: some values rounded to nearest 10 feet. Within each State, sites listed in alphabetical order by station name. --, not applicable or not determined]

Site ID number	Station name	Station class or type	Agency	Location		Altitude (feet above sea level)
				N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)	
Arizona						
327C4220	Arizona Strip District	III	USBLM	36 58 58	113 53 07	2,365
327D53AC	Baragan Wash	I	USBLM	32 58 03	113 26 58	485
327D40DA	Black Hills	I	USBLM	33 05 12	109 57 02	3,300
323930AC	Brannigan	III	USFS	35 16 00	111 52 00	8,000
FA4520F4	Bright Angel	III	USNPS	36 12 00	112 04 00	8,000
32391640	Buffalo	III	USFS	36 28 15	111 56 45	6,800
3238F748	Cargodera	III	USFS	32 26 27	110 50 57	4,795
324006C6	(Copper Basin)	II	USFS	34 29 00	112 33 00	5,280
32330464	Coronado portable	III	USFS	32 12 00	110 24 00	3,100
32390536	Dry Lake	III	USFS	36 27 00	112 14 15	8,900
3260F7AC	Elden	III	USFS	35 15 00	112 37 30	7,100
327C5156	Empire	II	USBLM	31 46 50	111 38 05	1,450
32339106	Flagstaff	II	USFS	35 20 00	111 40 00	7,000
32400814	(Francis Mountain)	II	USFS	34 29 00	112 36 00	7,110
32338270	Globe	II	USFS	33 20 00	110 40 00	6,700
324C62BC	Goodwin Mesa	II	USBLM	34 45 00	113 18 00	4,200
327D03D0	Guthrie	II	USBLM	32 57 00	109 17 00	3,600
327D6636	Haley Hills	I	USBLM	32 56 57	112 10 15	1,950
327D364A	Hibernia Canyon	II	USBLM	34 54 50	113 52 28	5,163
327A5198	Horse Camp Canyon	II	USBLM	32 56 15	110 29 46	4,040
327CF1AE	Humbug Creek	II	USBLM	34 05 00	112 18 00	5,250
3233B7EA	Iron Springs	II	USFS	34 30 00	112 30 00	5,920
32341526	Lakeside	II	USFS	34 16 00	109 58 48	7,000
5110020C	Limestone Canyon	II	USBIA	34 10 34	110 10 24	6,800
324CA7A2	Mount Logan	II	USBLM	36 22 00	113 11 00	7,200
3276F0FC	Muleshoe Ranch	II	USBLM	32 24 00	110 16 15	4,175
FA45156E	North Rim	III	USNPS	--	--	--
324C814E	Olaf Knolls	II	USBLM	36 30 00	113 49 00	2,900
327C27C6	Robinson Tank	II	USBLM	36 28 14	112 50 29	5,560
3233A49C	Saguaro	II	USFS	32 20 00	110 40 00	3,100
327D7540	Smith Peak	I	USBLM	34 06 57	113 20 50	2,500
324C5726	Stanton	II	USBLM	34 10 00	112 44 00	3,600
3233E796	Tusayan	II	USFS	36 24 00	112 09 00	6,700
324C9238	Tweeds Point	II	USBLM	36 35 00	113 43 00	5,200
32401B62	Warm Springs Canyon	III	USFS	36 42 00	112 13 00	7,000
323923DA	Williams	III	USFS	35 24 00	112 20 00	7,500
325FB444	Yellow John Mountain	I	USBLM	36 09 15	113 32 30	6,160
California						
323463B6	Antelope Mountain	III	USFS	40 24 00	120 37 00	4,500
3250C446	(Ash Valley)	II	USBLM	41 03 30	120 42 20	5,090
3278E7E2	Bakersfield portable	III	USBLM	--	--	--
32398322	Bald Mountain	II	USFS	38 54 00	120 41 00	4,680
32578578	(Barrel Springs)	II	USBLM	41 54 57	119 55 30	5,710
32554592	(Bear Peak)	II	USBLM	35 53 03	118 03 06	8,228
324874F0	Beckwourth Ranger District	II	USFS	39 57 30	120 27 30	4,600
323AB1B6	Big Bar	II	USFS	40 44 00	123 14 00	1,500
323A975A	Big Valley	III	USFS	41 18 00	120 56 00	5,000
3255F61C	(Blue Door)	II	USBLM	41 03 20	120 20 08	5,900

TABLE 11. Remote Automatic Weather Stations in Western United States--Continued

Site ID number	Station name	Station class or type	Agency	Location		Altitude (feet above sea level)
				N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)	
California---Continued						
324080D2	Blue Ridge	II	USFS	40 55 18	123 09 42	4,000
3237A1A6	Bogard ranger station	III	USFS	40 15 00	121 05 00	5,650
32332288	Boulder Creek	III	USFS	--	--	--
3254A49A	(Buffalo Creek)	II	USBLM	40 35 53	119 45 05	3,900
3255808C	(Bull Flat)	II	USBLM	40 28 55	120 06 55	4,705
325775FC	(Burns Canyon)	II	USBLM	34 12 30	116 37 15	6,280
325472F2	(Caliente)	II	USBLM	35 05 20	119 48 45	4,425
323857B0	Callahan	II	USFS	41 20 00	122 50 00	3,136
3247F476	Casitas	II	USFS	34 24 00	119 22 00	620
32480260	Challenge	II	USFS	39 29 00	121 13 00	3,200
32806744	Chester	II	USFS	40 17 04	121 14 07	4,525
32486786	Chilao	II	USFS	34 20 00	118 02 00	5,450
323881DA	Collins Baldy	II	USFS	41 50 00	122 50 00	5,493
324D83B4	Cooskie Mountain	II	USBLM	40 15 30	124 15 00	2,950
324BD306	(Cow Mountain)	II	USBLM	39 42 00	123 35 00	--
3238C2D2	Crocker Mountain	III	USFS	39 53 00	120 27 03	6,400
32418228	Deans Valley	II	USFS	39 54 04	120 56 00	3,500
327B031E	Doyle	II	USBLM	40 01 20	120 06 20	4,240
3277A27A	Fish Creek Mountain	I	USBLM	32 59 00	116 03 28	760
325254D0	(Granite Mountain)	II	USBLM	34 32 08	117 01 33	4,690
32807432	Greenfield portable	III	USFS	--	--	--
32481116	Greenville portable 2	III	USFS	40 08 00	121 10 00	5,500
3248248C	Greenville Ranger District	II	USFS	40 08 00	120 57 00	5,500
328052DE	Happy Camp micro	III	USFS	--	--	--
3277B10C	Harper	I	USBLM	35 05 00	117 26 54	2,750
324225DE	Hayfork	II	USFS	40 30 24	123 20 06	4,000
3239D35E	Hell Hole	II	USFS	38 03 00	120 25 00	5,240
32575310	(Horse Lake)	II	USBLM	40 37 52	120 30 20	5,080
325185B6	(Horse Thief Spring)	II	USBLM	35 46 15	115 54 25	5,184
FA45937A	Hunter Mountain	II	USNPS	36 33 45	117 28 25	6,880
3254B7EC	(Independence)	II	USBLM	36 50 12	118 14 40	4,280
32538042	(Jawbone)	II	USBLM	35 17 40	118 13 30	4,530
3238A734	Jordan Creek	III	USFS	39 46 10	121 16 54	4,400
3238715C	Juanita Lake	II	USFS	41 48 00	122 06 00	5,400
32780410	Juniper Creek	I	USBLM	41 19 41	120 28 00	4,700
325736F6	(Juniper Springs)	II	USBLM	47 04 48	119 45 27	5,540
32675560	Keenwild	II	USFS	33 42 47	116 42 48	4,920
327797E0	Kettleman Hills	I	USBLM	36 02 00	120 03 25	810
324C21B6	Knoxville Creek	II	USBLM	38 53 00	122 25 00	2,200
3238E43E	Ladder Butte	II	USFS	40 49 00	121 19 00	5,700
32781766	Lyons Valley	I	USBLM	39 07 30	123 04 15	3,200
323470C0	Manzanita Lake	III	USFS	40 32 36	121 33 48	5,800
FA455664	(Mariposa Grove)	II	USNPS	37 30 46	119 36 17	8,800
32522240	(Merced River)	II	USBLM	37 39 23	120 03 15	1,650
3254C17C	(Mid Hills)	II	USBLM	35 07 15	115 25 03	5,512
323A67DE	Milford portable	III	USFS	--	--	--
3248416A	Mill Creek	II	USFS	34 23 00	118 04 00	3,510
3238B442	(Miller Creek)	III	USFS	--	--	--
32349332	Modoc portable	III	USFS	41 34 00	120 10 00	5,500
3277C79C	Mojave River Sink	I	USBLM	35 03 30	116 05 00	950
323AC726	McCloud	II	USFS	41 16 00	121 58 00	3,700
3238622A	Oak Knoll	II	USFS	41 50 00	123 50 00	1,940
3239554A	Oak Knoll micro	III	USFS	--	--	--
3257960E	(Opal Mountain)	II	USBLM	35 09 20	117 11 00	3,240
32399054	Owens Camp	II	USFS	38 44 00	120 14 42	5,200
3239A5CE	Pacific ranger station	II	USFS	38 45 30	120 31 42	4,000
3277D4EA	Panamint	I	USBLM	36 07 00	117 05 00	6,880
3277E170	Picacho Wash	I	USBLM	32 57 00	114 43 56	840
3234C34E	Plumas North Fork portable	III	USFS	40 06 00	120 19 00	5,800
3277F206	Rice Valley	I	USBLM	34 03 45	114 42 26	820
3256A16E	(San Denito)	II	USBLM	36 22 10	120 38 35	5,241
FA45F69C	Santa Cruz Island	II	USNPS	33 59 45	119 43 20	250
FA45E5EA	Santa Rosa Island	II	USNPS	33 58 40	120 04 40	1,298
3238D1A4	Sawyers Bar	II	USFS	41 20 00	123 10 00	2,192
3239463C	Scott River micro	III	USFS	--	--	--

TABLE 11. Remote Automatic Weather Stations in Western United States--Continued

Site ID number	Station name	Station class or type	Agency	Location		Altitude (feet above sea level)
				N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)	
California--Continued						
324950E6	Seed Orchard	II	USFS	39 05 00	120 44 00	4,100
32348044	Shasta Trinity portable	III	USFS	41 15 00	122 08 00	--
323AE1CA	Sims	II	USFS	41 04 00	122 22 00	2,400
323844C6	Slater Butte	II	USFS	41 51 00	123 40 00	4,670
323892AE	Somes Bar	II	USFS	41 20 00	123 30 00	920
327C34B0	Squaw Lake	II	USBLM	32 54 30	114 29 40	300
3256429C	(Squaw Springs)	II	USBLM	35 22 00	117 34 05	3,620
323973A6	Summit Camp	II	USFS	38 29 24	120 17 18	3,600
3234A6A8	(Swing Mountain)	III	USFS	--	--	--
324837FA	Tanbark	II	USFS	34 10 00	117 46 00	2,600
3247E700	Temescal	II	USFS	34 29 00	118 36 00	1,060
3234B5DE	Truckee Airport	II	USFS	39 19 00	120 08 00	5,890
FA453382	Tuolumne Meadows	II	USNPS	37 52 06	119 19 09	8,800
3253B5D8	(Walker Pass)	II	USBLM	35 39 53	118 03 25	5,572
3248521C	Warm Springs	II	USFS	34 35 00	118 33 00	4,020
325E463A	White Horse	II	USFS	39 42 10	121 25 30	2,900
FA454512	White Wolf	II	USNPS	37 51 04	119 39 00	8,000
323AA2C0	(Yolla Bolla)	II	USFS	40 20 00	123 04 00	4,500
Colorado						
3240E534	Bailey	III	USFS	39 24 15	105 29 30	7,650
3232F6D4	Blue Park	II	USFS	37 47 31	106 46 45	10,300
324DB62E	Cedar Knob	III	USBLM	40 26 00	108 16 20	6,300
3241AA16	Cheeseman	II	USFS	39 11 30	105 16 00	7,500
323603A4	Dead Horse	II	USFS	40 04 00	107 22 00	8,960
323A37A2	Devil Mountain	II	USFS	37 13 34	107 18 19	7,360
3241B960	Dowd Junction	II	USFS	39 38 00	106 27 00	8,998
3235E758	Dry Lake	II	USFS	40 32 00	106 46 00	8,320
324AB41A	(Elk Mountain)	II	USBLM	40 35 00	106 58 00	--
324A92F6	Ernie Gulch	II	USBLM	40 02 45	108 12 00	7,000
32793370	(Great Divide)	II	USBLM	40 45 28	107 51 12	7,200
325FC2D4	Gunsight	I	USBLM	40 12 33	106 19 45	8,420
FA45B596	Harpers Corner	III	USNPS	40 30 36	109 02 54	--
324A6272	Hunter Creek	II	USBLM	39 46 00	108 19 00	7,320
324AC28A	Jay	II	USBLM	38 50 30	107 44 10	6,200
3240D0AE	Jeffco portable 1	III	USFS	--	--	--
32673086	Jeffco portable 2	III	USFS	39 54 29	105 06 54	5,654
32674616	Jeffco portable 3	III	USFS	39 54 30	105 06 55	5,654
3278C10E	Ladore	II	USBLM	40 42 00	108 48 00	5,900
3235B724	McClure Pass	II	USFS	39 07 45	107 17 00	9,018
32778496	Pine Ridge	I	USBLM	39 14 15	108 23 27	6,600
3278D278	Pinto	II	USBLM	40 01 00	108 28 00	6,940
3235D2C2	Porcupine Creek	II	USFS	40 05 06	106 40 30	8,900
32405868	Ragmug	III	USFS	38 27 40	108 13 40	--
324A8180	Rangely	II	USBLM	40 10 00	108 47 00	6,484
3241C122	Red Deer	II	USFS	38 51 00	106 13 00	8,800
323610D2	Red Feather	II	USFS	40 50 00	105 35 00	8,200
324A7104	Rifle	II	USBLM	39 30 00	107 44 00	6,120
3235C1B4	Salter	II	USFS	37 39 30	108 32 30	8,150
3235A452	Sanborn Park	II	USFS	38 11 30	108 13 00	7,930
323591C8	Soda Creek	II	USFS	39 34 00	105 59 00	9,600
323547A0	Taylor Park	II	USFS	38 54 30	106 36 00	10,410
324AA76C	(Thornburgh Mountain)	II	USBLM	40 46 00	107 41 00	7,825
3240B548	Willis Creek	II	USFS	38 00 00	105 03 45	9,200
3235F42E	Willow Creek	II	USFS	40 21 30	106 12 15	9,720
Idaho						
325CD6AC	Arco	I	USBLM	43 37 23	113 23 14	5,380
32419F8C	Baby	III	USFS	46 26 26	115 01 00	--
3241D254	Bearskin Creek	II	USFS	44 23 00	115 30 00	6,700
325CF040	Berger Butte	I	USBLM	42 25 00	114 43 00	4,490
3244C6E2	Boise Interagency Fire Center	T	USBLM	43 35 58	116 12 29	2,860

TABLE 11. Remote Automatic Weather Stations in Western United States--Continued

Site ID number	Station name	Station class or type	Agency	Location		Altitude (feet above sea level)
				N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)	
Idaho--Continued						
3244D594	Boise Interagency Fire Center	T	USBLM	43 35 58	116 12 29	2,860
324C32C0	Boise Interagency Fire Center	T	USBLM	43 35 58	116 12 29	2,860
324342C2	Boise Interagency Fire Center	T	USBLM	43 35 58	116 12 29	2,860
324C4450	Boise Interagency Fire Center	T	USBLM	43 35 58	116 12 29	2,860
324D46AA	Boise Interagency Fire Center	T	USBLM	43 35 58	116 12 29	2,860
324D90C2	Boise Interagency Fire Center	T	USBLM	43 35 58	116 12 29	2,860
324D6046	Boise Interagency Fire Center	T	USBLM	43 35 58	116 12 29	2,860
324D7330	Boise Interagency Fire Center	T	USBLM	43 35 58	116 12 29	2,860
324FD63C	(Boise Interagency Fire Center)	III	USBLM	--	--	--
324FE3A6	(Boise Interagency Fire Center)	III	USBLM	--	--	--
324FF0D0	(Boise Interagency Fire Center)	III	USBLM	--	--	--
32500158	(Boise Interagency Fire Center)	III	USBLM	--	--	--
3250122E	(Boise Interagency Fire Center)	III	USBLM	--	--	--
325027B4	(Boise Interagency Fire Center)	III	USBLM	--	--	--
325034C2	Brace Flat	II	USBLM	42 20 55	116 41 32	4,900
3253E5A4	Bull Spring	II	USBLM	42 04 48	114 29 05	5,700
327711F4	Chausse	II	USBLM	42 10 28	111 07 00	6,480
3241FA6A	Copper Basin	II	USFS	43 48 00	113 49 00	7,820
327BC600	Crystal	II	USBLM	42 59 00	113 10 00	5,064
3250B2D6	Dead Indian Ridge	II	USBLM	44 19 32	117 10 04	3,570
325204AC	Deep Creek	II	USBLM	42 21 55	112 42 20	6,400
3250E2AA	Deer Haven	II	USBLM	43 10 28	115 09 06	5,550
325103A2	Ezra Creek	II	USBLM	44 50 47	114 01 35	6,660
3249868E	Fish Hook	II	USFS	47 08 00	115 52 00	4,700
325ED358	Flint Creek	II	USFS	42 05 00	112 11 00	5,200
3277246E	Gas Caves	II	USBLM	44 10 04	111 46 45	5,740
325EE6C2	Getch Hollow	II	USFS	42 18 00	111 14 00	6,410
325110D4	Goose Creek	II	USBLM	42 05 42	113 53 45	5,660
325D023E	Grace	I	USBLM	42 32 14	111 51 17	6,210
3252F428	Hansel Mountain	II	USBLM	42 05 00	112 33 19	5,890
327BD576	Horse Butte	II	USBLM	42 25 00	115 14 00	5,000
325EA5C8	Horton Peak	II	USFS	43 57 00	114 46 00	8,400
3234455A	Indianola	II	USFS	45 24 00	114 10 00	3,500
323734C4	Kelly	II	USFS	46 40 00	115 10 00	2,737
3251F326	Kriley Creek	II	USBLM	45 21 20	113 53 36	5,200
3251A35A	Lake Hills	II	USBLM	43 27 03	113 54 27	5,980
325D975C	Leadore Creek	I	USBLM	44 42 00	113 21 00	6,000
325E9052	Lodgepole	II	USFS	45 22 16	115 10 17	6,100
3252C1B2	Maud Mountain	II	USBLM	44 13 00	112 34 50	6,160
325EB6BE	Molburg Canyon	II	USFS	42 03 00	113 10 00	6,400
325EF5B4	Moody	II	USFS	43 39 00	111 35 00	7,040
323A24D4	Moose Creek	II	USFS	46 04 12	114 33 00	2,460
325D24D2	Mud Flat	I	USBLM	42 36 14	116 33 01	5,707
325247A6	Mulkey Bar	II	USBLM	44 09 45	113 23 40	6,320
3252614A	Ohio Gulch	II	USBLM	43 36 03	114 18 57	6,220
32374254	Pierce	II	USFS	46 30 00	115 50 00	3,085
3241DC86	Pine Creek	II	USFS	44 15 00	116 11 00	4,400
3253455C	Pole Canyon	II	USBLM	42 53 40	111 50 26	6,700
3251B02C	Pole Creek	II	USBLM	42 04 10	115 47 10	5,660
324DD3C8	(Portable 4)	III	USBLM	43 33 56	116 12 29	2,800
324DF524	(Portable 5)	III	USBLM	43 33 56	116 12 29	2,800
324E02AE	(Portable 6)	III	USBLM	43 33 56	116 12 29	2,800
324E11D8	(Portable 7)	III	USBLM	43 33 56	116 12 29	2,800
324E2442	Portable 8	III	USBLM	43 33 56	116 12 29	2,800
324E3734	Portable 9	III	USBLM	43 33 56	116 12 29	2,800
324E41A4	Portable 10	III	USBLM	43 33 56	116 12 29	2,800
324E52D2	Portable 11	III	USBLM	43 33 56	116 12 29	2,800
324E6748	Portable 12	III	USBLM	43 33 56	116 12 29	2,800
324E743E	(Portable 13)	III	USBLM	43 33 56	116 12 29	2,800
324E84BA	Portable 14	III	USBLM	43 33 56	116 12 29	2,800
324E97CC	Portable 15	III	USBLM	43 33 56	116 12 29	2,800
323764B8	Potlatch	II	USFS	46 59 00	116 59 00	2,500
325320BA	Potter Butte	II	USBLM	43 13 34	113 34 28	4,930
32375122	Powell	II	USFS	46 30 00	114 40 00	3,409
3248E192	(Priest River)	II	USFS	48 22 00	116 48 00	3,100

TABLE 11. Remote Automatic Weather Stations in Western United States--Continued

Site ID number	Station name	Station class or type	Agency	Location		Altitude (feet above sea level)
				N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)	
Idaho--Continued						
325CE336	Raft River	I	USBLM	42 33 00	113 21 00	4,400
3237943C	Red River	II	USFS	45 43 00	115 21 00	4,600
3252E75E	Road Creek	II	USBLM	44 09 45	114 00 45	8,200
3253D03E	Rock Lake	II	USBLM	42 58 18	114 03 47	4,260
3249657C	Saddle Pass	II	USFS	48 58 00	116 41 00	5,120
325370C6	Salmon	II	USBLM	45 09 00	113 56 00	4,960
3237874A	Shock	II	USFS	46 59 00	116 38 00	5,700
3249760A	Shoshone Creek	II	USFS	47 47 00	115 57 00	3,460
325E554C	Ski Hill	II	USFS	44 55 36	116 09 24	5,500
3241E91C	Skull Creek	II	USFS	45 20 00	114 28 00	5,100
325E8324	Snake River	II	USFS	45 05 14	116 43 21	4,100
32574066	Starlight	II	USBLM	42 41 35	112 41 20	5,200
325E73A0	Tea Pot	II	USFS	44 54 00	115 44 00	5,152
32415440	Thomas Creek	II	USFS	44 50 00	115 00 00	4,620
3241CFF0	Town Creek	II	USFS	43 56 00	115 55 00	4,500
325EC02E	Trail Gulch	II	USFS	42 18 00	114 19 00	6,000
32523136	Triangle	II	USBLM	42 49 00	116 36 00	5,270
3239E6C4	Twin	III	USFS	--	--	--
3252B722	Twin Buttes	II	USBLM	42 30 52	115 08 51	3,350
325E60D6	Weiser River	II	USFS	44 53 29	116 31 44	5,500
3241E7CE	(Willow Creek)	II	USFS	43 25 00	115 43 00	4,750
325333CC	Willow Ridge	II	USBLM	44 07 49	116 28 03	4,280
3241F4B8	Yankee Fork	II	USFS	44 23 00	114 44 00	6,410
Montana						
325363B0	(Antelope)	II	USBLM	44 41 08	112 32 20	6,770
32544768	(Armells Creek)	II	USBLM	47 35 32	108 52 20	2,920
3255D0F0	(Axolotl)	II	USBLM	45 13 50	111 53 15	7,530
327A2708	Badger Peak	II	USBIA	45 38 53	106 30 03	4,340
3276A080	Badland Coulee	I	USBLM	46 42 48	107 06 25	3,080
324995F8	BC Baldy	II	USFS	48 37 00	115 35 00	4,300
323331FE	Benchmark	II	USFS	47 30 00	112 54 00	5,350
324B2382	Big Sheep Mountain	II	USBLM	47 01 00	105 49 00	3,200
32562775	(Big Snowy)	II	USBLM	46 47 28	109 37 10	6,080
327676E8	Bluff Creek	I	USBLM	48 52 19	106 56 44	2,550
3255E56A	(Bradshaw Creek)	II	USBLM	45 03 28	105 55 55	3,960
324BC070	Brenner	II	USBLM	44 58 00	113 13 00	6,350
3233476E	Camp Four Gulch	II	USFS	46 10 00	114 48 00	4,640
3276C566	Cannonball Creek	I	USBLM	46 29 05	104 03 57	2,930
3244756C	Chain Buttes	II	USBLM	47 31 00	108 02 00	2,928
3257668A	(Cub Creek)	II	USBLM	45 06 53	108 55 15	4,080
3241915E	(Cyclone)	II	USFS	48 44 00	114 20 00	--
32549100	(Delmoe)	II	USBLM	45 56 45	112 16 15	5,600
3276951A	Flat Willow	I	USBLM	46 44 54	108 43 02	4,010
324AF710	Fort Howes	II	USBLM	45 17 49	106 09 41	3,380
3253F6D2	(Ginger)	II	USBLM	46 19 10	111 34 50	4,400
325FF74E	Goris Gulch, Squaw	I	USBLM	45 47 00	113 21 00	6,290
3248C77E	(Greenough Creek)	II	USFS	46 46 00	113 49 00	5,200
3276B3F6	Harris Creek	I	USBLM	46 37 22	105 36 48	2,480
3267738C	Helena	II	USFS	46 44 42	112 00 52	3,840
32553302	(Kelly)	II	USBLM	45 30 38	112 36 53	7,280
3276866C	King Coulee	I	USBLM	47 47 53	107 01 24	2,760
324BA596	Knowlton	II	USBLM	46 18 42	105 01 20	3,320
324AD1FC	Little Bullwhacker	II	USBLM	47 48 50	109 01 00	3,100
32335418	Lolo portable	III	USFS	46 44 00	114 14 00	4,400
24470400	Mill Creek	M	USFS	--	--	--
327822FC	Montana portable	III	USBLM	47 25 00	107 39 00	2,875
3276659E	Phillips Reservoir	I	USBLM	47 49 59	108 37 00	3,380
325FE438	Red Rock	I	USBLM	44 41 00	111 50 00	6,690
327A347E	Saint Mary	II	USBIA	48 44 15	113 25 50	4,560
32568782	(Seth)	II	USBLM	46 45 25	112 48 47	6,240
324B1618	South Bridger	II	USBLM	45 12 28	108 47 31	4,725
324485E8	South Sawmill Creek	II	USBLM	47 32 46	107 31 55	3,290
3248D408	(Spotted Bear)	III	USFS	48 00 00	113 30 00	5,300
24460100	Squaw Creek	M	USFS	--	--	--

TABLE 11. Remote Automatic Weather Stations in Western United States--Continued

Site ID number	Station name	Station class or type	Agency	Location		Altitude (feet above sea level)
				N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)	
Montana--Continued						
325FD1A2	Stinkwater Creek	I	USBLM	46 51 00	113 23 00	5,410
324C142C	Wolf Mountain	II	USBIA	45 18 47	107 10 19	5,217
324AE466	Zortman Mine	II	USBLM	47 55 21	108 33 10	4,660
Nevada						
327E17A8	Alligator Ridge	II	USBLM	39 44 13	115 31 05	6,560
32539334	Antelope Lake	II	USBLM	41 41 05	116 45 52	5,460
325BB17E	Bailey Ranch, Pine Creek	I	USBLM	40 26 10	116 10 00	5,450
327DB05E	Beacon Light	II	USBLM	40 33 30	116 45 30	4,800
325CA03C	Big Bend	I	USBLM	35 07 30	114 42 30	1,000
325BF274	Bluewing Mountain	I	USBLM	40 20 05	119 05 25	4,570
325C13B2	Brawley Peak, Aurora	I	USBLM	38 15 55	118 51 23	8,080
327DE022	Buckhorn Ranch	II	USBLM	38 13 15	114 17 35	7,050
327E6138	Burma Spring	II	USBLM	41 11 09	117 24 00	4,550
327AC4FA	Catnip Mountain	II	USFWS	41 55 30	119 22 30	5,740
327DF354	Cedar Pass	II	USBLM	39 45 25	114 08 57	7,185
325077C8	Christmas Tree Pass	II	USBLM	35 16 13	114 46 58	3,450
327DD5B8	Coils Creek	II	USBLM	39 50 00	116 29 30	6,800
325C50B8	Combs Canyon	I	USBLM	39 22 53	116 10 30	6,590
327E54A2	Coyote Canyon	II	USBLM	40 29 30	118 06 40	5,050
325C43CE	Coyote Wash	I	USBLM	38 17 00	114 45 30	5,720
327E04DE	Currant Creek	II	USBLM	38 46 00	115 25 00	5,580
325C2628	Dead Camel Mountain	I	USBLM	39 15 20	118 57 35	4,490
325C6522	Desatoya Mountain	I	USBLM	39 18 04	117 35 04	6,200
325BE102	Dry Canyon	I	USBLM	41 29 30	119 07 00	4,900
324DC0BE	Enterprise	III	USBLM	37 38 00	114 04 00	6,040
327B1068	Fish Springs	II	USBLM	38 56 10	119 39 07	5,120
327E2232	Fox Mountain	II	USBLM	41 00 33	119 33 47	6,890
3255B516	Immigration Wash	II	USBLM	37 55 17	114 09 35	6,230
32445380	(Independence Valley)	II	USBLM	41 18 50	116 07 40	5,720
325CC5DA	Kane Springs	I	USBLM	37 15 00	114 42 30	4,590
325BA208	Long Hollow	I	USBLM	41 32 20	116 13 05	5,820
325C355E	McGill Junction	I	USBLM	39 21 30	114 37 30	6,270
325C00C4	Morey Creek	I	USBLM	41 27 21	117 38 00	5,500
327C9448	North Spring Valley	II	USBLM	39 54 31	114 32 25	6,500
325C95A6	Oriental Wash	I	USBLM	37 14 07	117 29 47	4,100
325CB34A	Pahrump	I	USBLM	36 10 12	116 06 40	2,600
325515EE	Palisade	II	USBLM	40 37 29	116 13 43	6,205
325C86D0	Pancake	I	USBLM	38 18 13	116 11 33	5,200
327DA328	Red Butte	II	USBLM	39 59 00	117 19 00	5,050
325BC7EE	Red Point	I	USBLM	41 29 05	114 47 35	6,029
32516644	Red Rock	II	USBLM	36 08 07	115 25 38	3,760
325217DA	Rock Spring Creek	II	USBLM	41 38 35	114 26 15	5,400
325C7654	Royston Hills	I	USBLM	38 15 47	117 30 58	5,100
325BD498	Siard	I	USBLM	40 24 00	117 36 55	4,600
32410AEE	(Silver)	II	USFS	38 38 00	119 42 00	6,500
3244661A	(Smith Spring)	II	USBLM	39 28 30	114 59 10	7,300
3252D2C4	Spring Gulch	II	USBLM	40 35 35	114 12 10	5,470
325B9792	Spruce Mountain	I	USBLM	40 26 25	114 48 40	6,100
327E724E	Texas Springs	II	USBLM	41 48 06	118 27 03	5,760
32567706	Toquop Wash	II	USBLM	36 55 24	114 11 56	2,446
327DC6CE	(Washoe Valley)	II	USBLM	39 18 20	119 47 20	5,040
New Mexico						
324BF5EA	Albino Canyon	I	USBLM	36 57 30	107 39 20	6,600
324A14E2	Bandana Point	II	USBLM	32 19 35	104 33 30	4,340
3232F61A	Beaverhead	II	USFS	33 18 00	108 06 00	6,700
324A2178	Caprock	II	USBLM	32 55 40	103 51 00	4,210
324A0794	Chupadera	II	USBLM	33 46 30	106 05 40	6,520
3233F4E0	Cosmic	III	USFS	33 48 00	106 48 00	9,000
3249F01E	Dunken	II	USBLM	32 49 32	105 10 50	5,500
327CA1D2	Eight Mile Draw	I	USBLM	33 38 52	104 19 00	3,697
32336182	Grants	II	USFS	35 10 00	107 50 00	6,584
3243D7A0	Hachita Valley	I	USBLM	31 42 00	108 20 30	4,291

TABLE 11. Remote Automatic Weather Stations in Western United States--Continued

Site ID number	Station name	Station class or type	Agency	Location		Altitude (feet above sea level)
				N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)	
New Mexico--Continued						
324A320E	(Ignacio Chavez)	II	USBLM	35 31 37	107 19 55	8,100
3233C17A	Jemez	II	USFS	35 47 00	106 46 00	7,920
324B837A	Malpais lava flow	I	USBLM	34 54 00	108 05 45	7,460
32340650	Mayhill	II	USFS	33 55 00	105 28 00	6,500
323372F4	Mountaineire	II	USFS	34 30 00	106 20 00	6,500
324B900C	Organ Mountains	I	USBLM	32 24 55	106 33 00	5,110
3249E368	Paduca	II	USBLM	32 10 47	103 43 18	3,510
324BE69C	Pelona Mountain	I	USBLM	33 40 00	108 07 00	8,080
323420BC	Penasco	II	USFS	36 10 00	105 40 00	7,800
324A57E8	(Rio Grande Gorge)	II	USBLM	36 40 42	107 40 05	7,600
324C71CA	(Sabinoso)	II	USBLM	35 40 00	104 26 52	5,860
323A74A8	(Santa Fe portable)	III	USFS	--	--	--
324DA558	Sierra de las Uvas	II	USBLM	32 31 00	107 07 00	5,000
3233D20C	Slaughter	II	USFS	34 04 00	108 26 00	8,680
Oregon						
326202DC	Agness	II	USFS	42 33 00	124 02 00	150
3245E2F4	Alder Ridge	II	USFS	46 16 00	117 29 00	4,500
326021C4	Allison	II	USFS	43 55 12	119 34 48	5,320
32605754	Badger Creek	II	USFS	44 01 48	120 24 00	5,680
3234E5A2	Baker portable	III	USFS	44 54 00	117 22 00	4,278
3245349C	Bald Knob Lookout	II	USFS	42 42 00	124 02 00	3,630
325282B8	Bald Mountain	II	USBLM	43 33 20	118 24 15	5,480
3250A1A0	Basque Hills	II	USBLM	42 15 17	118 58 45	5,080
3232E56C	Big Butte	II	USFS	42 30 00	122 27 00	2,820
3237C440	Billy Meadows	III	USFS	45 48 45	117 02 15	4,830
325DA2C6	Blue Canyon	I	USBLM	44 40 11	117 56 05	4,200
32406DF2	Blue Ridge	II	USFS	45 31 00	121 43 00	3,780
325D4134	Board Creek	I	USBLM	44 35 36	119 16 40	5,000
325D37A4	Board Hollow	I	USBLM	44 36 20	120 41 00	4,120
3234D038	Bobcat Creek	II	USFS	45 51 00	117 23 00	4,200
324DE652	Borax Lake	III	USBLM	42 20 30	118 37 05	4,081
3236E056	Boulder Creek	II	USFS	44 40 00	120 00 00	3,570
326062CE	Briar Rabbit	II	USFS	44 15 30	119 45 00	6,000
32505124	Browns Well	II	USBLM	43 33 40	120 14 55	4,560
327D253C	(Brush Creek, Eugene)	III	USBLM	44 17 00	122 51 00	2,300
326105D2	Buckeye	II	USFS	42 56 00	122 51 00	3,275
3261F556	Buck Peak	II	USFS	42 08 00	123 22 00	5,243
3244E00E	Burnt Mountain	II	USBLM	43 13 09	123 50 34	2,240
3240202A	Cabin Lake	II	USFS	43 30 00	121 03 00	4,545
32616034	Calimus	II	USFS	42 37 09	121 33 06	6,622
324FC54A	Calvert Peak	II	USBLM	42 46 44	123 43 58	3,822
3235723A	Camp 2	II	USFS	43 46 48	121 03 00	4,770
3260C236	Cannible Mountain	II	USFS	44 21 00	123 55 00	1,946
3245F182	Case	II	USFS	44 57 00	118 55 00	3,800
3260D140	Cedar	II	USFS	45 13 06	123 47 43	2,240
32404B1E	Chiloquin	II	USFS	42 35 00	121 54 00	--
3237F1DA	Cinnamon	II	USFS	43 16 00	122 11 00	4,636
32613048	Coffee Pot Flat	I	USBLM	42 33 00	120 37 12	5,250
326032B2	Cold Springs	II	USFS	44 21 00	120 07 48	4,695
32600728	Colgate	II	USFS	44 18 57	121 36 20	3,280
32622430	Crane Prairie	II	USFS	44 10 00	118 28 00	5,373
3267B692	Crazy Peak	II	USFS	41 59 00	123 36 00	3,970
326241D6	Crow Flat	II	USFS	43 50 00	118 57 00	5,130
32467098	Dead Indian	II	USFS	42 17 00	122 19 00	4,900
3236D5CC	Deschutes North Fork portable	III	USFS	43 55 00	121 10 00	--
3246157E	Eden	II	USFS	45 56 00	117 35 00	4,200
327E47D4	Elkton	II	USBLM	43 37 45	123 37 50	850
16C44682	(Euchre Mountain)	II	USFS	44 49 38	123 53 09	1,500
3262F258	Fall Mountain	II	USFS	44 18 00	119 02 00	5,949
325B842A	Fish Fin Rim	I	USBLM	42 28 20	119 10 42	4,900
325D74AE	Fort Rock	I	USBLM	43 25 57	120 50 14	4,430
32488474	(Franklin Ridge)	II	USFS	44 29 00	123 34 00	3,556
324C075A	Gerber Reservoir	II	USBLM	42 12 20	121 08 20	4,920
3260E4DA	Goodwin Peak	II	USFS	44 04 00	123 50 00	1,826
326116A4	Grandad	II	USFS	43 25 00	122 55 00	2,900

TABLE 11. Remote Automatic Weather Stations in Western United States--Continued

Site ID number	Station name	Station class or type	Agency	Location		Altitude (feet above sea level)
				N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)	
Oregon--Continued						
32443666	Grassy Mountain	II	USBLM	42 38 00	117 25 00	4,800
327C77BA	Grassy Ridge	II	USBLM	42 42 30	118 09 17	4,510
327CD742	Hawley Butte	II	USBLM	43 42 50	122 50 06	3,058
326071B8	Haystack	II	USFS	44 28 12	121 07 48	3,240
325F14BC	(Hebo 1)	III	USFS	45 12 43	123 37 45	--
324B5512	(High Point)	II	USBLM	43 54 18	123 22 48	1,935
327E3144	Horse Creek	II	USBLM	44 56 45	122 24 00	2,000
324564E0	Illinois Valley Airport	II	USFS	42 07 00	123 40 00	1,389
3267907E	Indigo	II	USFS	42 29 30	123 53 10	3,398
3262673A	J Ridge	II	USFS	45 07 00	118 23 00	5,180
326155AE	Jackson Creek	II	USFS	43 00 00	121 29 00	4,500
32623746	Keeney Camp	II	USFS	44 40 00	118 55 00	4,520
3279707A	Kelsey Butte	II	USBLM	43 55 00	117 58 00	5,200
3237B2D0	Lagrande District portable	III	USFS	45 08 00	117 38 00	5,040
323582BE	Lava Butte	II	USFS	43 55 48	121 19 48	4,655
326252A0	Lawson	II	USFS	42 25 00	124 08 00	2,810
3254D20A	Ligget Table	II	USBLM	44 05 00	120 05 53	4,200
32403D8E	Log Creek	II	USFS	45 30 00	123 53 00	2,500
32630026	Merlin	II	USFS	42 30 50	123 19 30	1,040
327D96B2	Meyers Canyon	II	USBLM	44 36 28	120 11 02	2,920
3236F320	Moo Camp, Lowell	II	USFS	43 56 00	122 35 00	--
324B6088	Morgan Mountain	II	USBLM	44 31 00	117 17 00	3,600
32371228	Mount Hood North Fork portable	III	USFS	45 05 00	121 33 00	--
323696C6	Mount Hood portable	III	USFS	--	--	--
32402EF8	Mount Stella	II	USFS	42 56 00	122 26 00	4,715
327BF39A	Mount Yoncalla	II	USBLM	43 38 20	123 19 33	2,000
325291CE	North Pole Ridge	II	USBLM	45 02 15	120 31 50	3,480
3260B4A6	Oakridge Airport	II	USFS	43 45 00	122 28 00	1,475
3245517A	Onion Mountain Lookout	II	USFS	42 28 00	123 38 00	4,438
327D10A6	Orchard, Eugene portable	III	USBLM	43 49 00	123 17 00	750
32799388	Owyhee Ridge	II	USBLM	43 35 00	117 14 00	4,400
32550698	P Hill	II	USBLM	42 49 35	118 56 10	4,860
3253562A	Patjens	II	USBLM	45 19 20	120 55 30	2,230
32477262	Pollywog	II	USFS	45 29 00	121 27 00	3,320
327C125C	Poor Jug	II	USFS	42 55 30	120 06 30	4,600
326211AA	Powers ranger station	II	USFS	42 52 00	124 03 00	286
32406320	Pringle Falls Experimental Forest	II	USFS	43 44 00	121 37 00	4,650
324B4664	Provolt Seed Orchard	II	USBLM	42 17 00	123 14 00	1,180
3245420C	Quail Prairie Lookout	II	USFS	42 13 00	124 02 00	3,033
325DC720	Rattlesnake	I	USBLM	42 32 28	117 39 14	4,030
324015B0	RAWS portable	III	USFS	--	--	--
3240335C	Red Box	II	USFS	45 04 00	121 55 00	3,250
325DB1B0	Red Butte	I	USBLM	43 32 20	117 48 18	4,460
3253C348	Riddle Mountain	II	USBLM	43 06 02	118 29 53	6,352
327AD78C	Rock Creek	II	USFWS	42 32 51	119 39 23	5,640
32489702	Rock House	II	USFS	44 54 00	123 30 00	1,500
3260145E	Rosedale	II	USFS	43 26 24	121 42 36	4,455
324782E6	Round Mountain	II	USFS	43 45 50	121 43 00	6,500
324B73FE	Rye Mountain	II	USBLM	45 13 00	123 32 00	2,000
325D5242	Sagehen	I	USBLM	43 30 55	119 17 33	4,400
327D85C4	Salt Creek, Prinville	III	USBLM	44 02 40	120 39 58	5,670
32367534	Seldom Creek	II	USFS	42 25 00	122 10 00	4,600
324FB3DA	Signal Tree	II	USBLM	43 00 07	123 46 49	3,294
327C012A	Silver Butte	II	USBLM	42 54 07	123 18 38	3,973
32604422	Slide Mountain	II	USFS	44 27 00	120 16 48	5,700
3246801C	Squaw Peak	II	USFS	42 04 00	123 01 00	4,964
32331712	Star	II	USFS	42 09 00	123 04 00	1,676
32479190	Strawberry	II	USFS	42 11 00	120 22 00	5,590
323653D8	Sugarloaf	II	USFS	43 38 00	122 38 00	3,550
3247A40A	Summit	II	USFS	42 12 00	120 15 00	6,147
3235614C	Swede Ridge	III	USFS	44 00 00	121 30 00	4,900
323640AE	Taft Bench	II	USFS	43 14 00	122 47 00	2,800
326146D8	Timothy	II	USFS	43 15 00	121 22 00	6,020
3261233E	Toketee	II	USFS	43 13 00	122 35 00	3,360
327C873E	Trout Creek	II	USBLM	4 06 48	122 34 37	2,400

TABLE 11. Remote Automatic Weather Stations in Western United States--Continued

Site ID number	Station name	Station class or type	Agency	Location		Altitude (feet above sea level)
				N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)	
Oregon--Continued						
3245D76E	Tupper	II	USFS	45 04 00	119 30 00	4,000
3260813C	Umatilla North Fork portable	III	USFS	45 52 00	119 34 00	4,500
3260924A	Umatilla North Fork portable	III	USFS	46 00 00	117 50 00	4,600
325D1148	Umatilla North Fork portable	III	USFS	--	--	--
327CE2D8	Village Creek	II	USBLM	44 15 08	123 28 02	1,500
3256E264	Wagontire	II	USBLM	43 20 24	119 52 53	6,420
323727B2	Walla Walla portable	III	USFS	45 41 05	118 06 15	--
324045CC	Wamic Mill	II	USFS	45 14 00	121 27 00	3,320
32407056	Wanderers Peak	II	USFS	45 06 00	122 12 00	4,350
3267A5E4	Wheeler Creek	II	USFS	42 04 00	124 07 00	1,440
327C64CC	Yellowstone Mountain	II	USBLM	44 36 00	122 25 00	3,080
Utah						
FA44220E	Aqua Canyon	II	USNPS	37 30 00	112 15 00	8,000
32411998	Assay	II	USFS	37 32 00	112 33 00	8,100
324EE150	(Badger Spring)	II	USBLM	37 10 00	113 57 00	3,990
324ED4C6	(Barney Reservoir)	II	USBLM	37 36 47	111 25 15	5,510
325E0530	Big Indian Valley	I	USBLM	38 13 15	109 16 45	6,960
323517DC	Black Cedar	II	USFS	38 58 45	112 14 22	6,480
325DD456	Brimstone Reservoir	I	USBLM	38 18 30	113 23 05	5,620
324F0054	(Bruin Point)	II	USBLM	39 38 42	110 20 45	10,200
325F622C	Bryson Canyon	I	USBLM	39 16 30	109 13 00	5,320
3240F642	Buck Flat	II	USFS	37 54 12	111 41 29	8,000
3241043C	Cart Creek	II	USFS	40 53 00	109 25 00	6,900
3244108A	Cedar Mountains	II	USBLM	40 18 05	112 46 43	4,820
324CF7DE	Cottonwood Wash	II	USBLM	39 50 09	109 34 52	5,950
324EC7B0	(Crater Knoll)	II	USBLM	38 27 57	112 42 55	7,170
324D05A0	Crow Knolls	II	USBLM	39 57 53	109 59 39	5,560
324D16D6	Diamond Rim	II	USBLM	40 37 02	109 14 34	7,730
32414736	Ensign	II	USFS	40 48 00	111 55 00	5,607
324EB120	(Five Mile)	II	USBLM	39 52 40	110 19 20	8,000
325F57B6	Flattop Mountain	I	USBLM	39 20 15	110 36 00	6,120
3241174A	Gooseberry	II	USFS	37 50 00	109 46 00	8,558
32413F74	Hewinta	II	USFS	40 58 00	110 30 00	6,500
32540462	Horse Hollow	II	USBLM	38 39 50	112 41 00	6,010
324BB6E0	Jensen Spring	II	USBLM	38 02 00	113 31 00	5,744
324EF22A	(Kane Gulch)	II	USBLM	37 31 35	109 53 37	6,600
327BE0EC	Kings Point	II	USBLM	40 51 38	109 06 08	5,670
324EA256	(Little Mountain)	II	USBLM	40 32 23	109 39 00	6,560
3254F4E6	Lost Creek	II	USBLM	38 46 15	111 51 45	7,490
324CD132	McCook Ridge	II	USBLM	39 37 55	109 16 03	6,690
325FA732	Miners Draw	I	USBLM	40 22 35	109 05 05	8,100
324131A6	Monte Cristo	II	USFS	40 28 00	111 31 00	8,901
32531520	Mud Spring	II	USBLM	39 47 55	112 16 20	5,760
3254E790	Muskrat Springs	II	USBLM	40 38 04	112 41 01	4,400
324149E4	Norway	II	USFS	40 37 00	111 04 00	8,280
325F92A8	Red Dome	I	USBLM	41 30 57	113 26 27	4,720
324F1322	(Sego Canyon)	II	USBLM	39 07 25	109 42 30	8,000
325F81DE	Sevier Reservoir	I	USBLM	39 21 00	112 00 00	5,330
32412C02	Signal Peak	II	USFS	38 37 00	112 04 00	8,750
325593FA	Simpson Springs	II	USBLM	40 05 32	112 44 03	4,900
3243F14C	Skunk Ridge	II	USBLM	40 52 30	112 52 30	4,550
324403FC	Sweetwater Canyon	II	USBLM	39 30 55	109 11 34	7,740
325DE1CC	Telegraph Flat	I	USBLM	37 12 00	112 01 30	5,460
325F715A	Tule Valley	I	USBLM	39 21 00	113 22 00	5,200
324CB4D4	Upper P.R. Canyon	II	USBLM	39 28 08	109 16 07	8,240
324CE4A8	Upper Sand Wash	II	USBLM	39 42 28	109 26 30	6,420
325E23DC	(Ute Lookout)	II	USFS	40 52 30	109 47 30	8,834
32572580	Vernon	II	USBLM	40 05 56	112 25 37	5,500
324122D0	West Fork	II	USFS	40 30 00	110 58 00	8,400
325DF2BA	White Reef	I	USBLM	37 12 58	113 22 40	3,440
324CC244	Winter Ridge	II	USBLM	39 30 12	109 33 26	7,340
3243E23A	Yampa Plateau	II	USBLM	40 16 59	109 17 24	5,240
32415A92	Yellowstone Drainage	II	USFS	40 32 48	110 19 40	7,800

TABLE 11. Remote Automatic Weather Stations in Western United States--Continued

Site ID number	Station name	Station class or type	Agency	Location		Altitude (feet above sea level)
				N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)	
Washington						
3262744C	83 Monument	II	USFS	48 59 38	120 39 00	6,500
3245A1FE	Camp 4	II	USFS	48 05 00	120 18 00	3,600
326190B0	Canyon Creek	II	USFS	45 55 00	122 13 00	2,500
326183C6	Cedar Flats	II	USFS	46 08 00	122 07 00	2,320
32459464	Cliff Ridge	II	USFS	48 25 00	117 41 00	3,875
--	Colville-M	IV	USBIA	--	--	--
3262B152	Colville North Fork portable	III	USFS	--	--	--
--	Colville-P	III	USBIA	--	--	1,900
324620E4	Cougar Mountain	II	USFS	47 55 00	123 12 00	3,000
323685B0	Crows Nest	II	USFS	47 45 45	122 58 45	1,280
32457796	Deer Mountain	II	USFS	48 48 00	117 27 00	3,300
324663EE	Denny Ahl Seed Orchard	II	USFS	47 37 00	123 25 00	658
3243C4D6	Douglas	II	USBLM	47 37 12	119 53 54	2,530
3246936A	Douglas Ingram Ridge	II	USFS	48 02 00	119 58 00	3,560
323814BA	Dry Creek	II	USFS	47 44 00	120 30 00	3,480
30005622	Elk Ridge	II	WDNR	46 21 00	122 36 00	2,500
3261B65C	Finney Creek	II	USFS	48 24 10	121 47 25	1,900
3249A062	First Butte	II	USFS	48 37 08	120 06 23	5,500
32407E84	Gold Hill	II	USFS	48 14 40	121 32 35	3,400
32617342	Hager Creek	II	USFS	46 33 00	121 36 00	3,600
30004554	Huckleberry Ridge	II	WDNR	46 30 00	123 23 00	2,425
32465674	Humptullips	II	USFS	47 37 00	123 47 00	2,400
3280A25A	Hurricane Ridge	III	USFS	47 58 04	123 38 05	5,300
326297BE	Iron Mountain	II	USFS	48 34 00	118 37 00	4,325
32463392	Jefferson Creek	II	USFS	47 55 00	123 17 00	2,200
3261D3BA	Johnson Ridge	II	USFS	47 47 45	121 16 30	2,000
324440F6	Juniper Dunes	II	USBLM	46 21 27	118 52 06	950
3261C0CC	Kidney Creek	II	USFS	49 00 00	121 56 05	3,000
32458712	Lane Creek	II	USFS	48 37 00	118 30 00	4,500
326284C8	Leecher	II	USFS	48 15 00	120 00 00	5,019
3261E620	Lester	II	USFS	47 12 30	121 31 30	1,615
3249D6F2	Lost Lake	II	USFS	48 52 07	119 03 45	3,760
3236C6BA	Meta Lake	II	USFS	46 17 00	122 03 00	3,808
3249C584	NCSB	II	USFS	48 25 31	120 08 15	1,650
300033C4	Owl Mountain	II	WDNR	47 46 00	124 04 00	3,398
3262C7C2	Owl Mountain	II	USFS	48 55 00	118 17 00	4,400
3000804A	Peoh Point	II	WDNR	47 10 00	121 00 00	4,020
300070CE	Pine Mountain	II	WDNR	46 36 00	120 54 00	4,300
32460608	Red Mountain	II	USFS	45 56 00	121 48 00	4,930
328097C0	Region 6 portable	III	USFS	--	--	--
32464502	Satsop	II	USFS	47 37 00	123 58 00	2,100
3245C418	Sawmill Flats	II	USFS	46 59 00	121 06 00	3,500
300020B2	Sekiu Lookout	II	WDNR	38 12 00	124 28 00	1,940
32476114	Sitkum	II	USFS	47 57 25	124 15 45	1,280
3000065E	Stampede Pass	II	WDNR	47 17 00	121 20 00	4,460
300063B8	Sumas	II	WDNR	48 54 00	122 13 00	3,000
3245B288	Swauk	II	USFS	47 16 00	120 39 00	3,773
3262A224	Tacoma Creek	II	USFS	48 29 00	117 26 00	3,300
3260A7D0	Toms Creek	II	USFS	48 03 00	123 56 00	2,400
3261A52A	Trout Creek	II	USFS	36 07 00	121 41 00	3,615
323807CC	Viewpoint	II	USFS	47 51 00	120 54 00	3,760
3249B314	Washington Pass	II	USFS	48 31 30	120 39 00	5,460
30001528	Woodward Ridge	II	WDNR	45 42 00	122 04 00	2,000
Wyoming						
32787280	Anderson Ridge	I	USBLM	42 26 14	108 56 27	8,120
3278546C	Camp Creek	I	USBLM	42 20 45	107 33 10	7,380
325F44C0	Chain Lake	II	USFS	42 59 00	109 38 00	10,040
3278471A	Cow Creek	I	USBLM	41 16 15	107 34 55	7,234
3276E38A	Dodge Creek	I	USBLM	41 57 40	105 31 03	7,100
3278318A	Echeta	I	USBLM	44 28 00	105 50 46	4,320
323A114E	Elkhorn	II	USFS	43 41 10	109 36 16	8,325
325F3250	Enos Lake	II	USFS	43 59 00	110 16 00	8,240
3240A63E	Esterbrook	II	USFS	42 40 00	105 35 00	6,530
FA45C306	Grand Teton	II	USNPS	43 43 25	110 42 37	6,500

TABLE 11. Remote Automatic Weather Stations in Western United States--Continued

Site ID number	Station name	Station class or type	Agency	Location		Altitude (feet above sea level)
				N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)	
Wyoming--Continued						
323A0238	Mill Creek	II	USFS	44 27 20	107 27 00	8,930
327861F6	Muddy Creek	I	USBLM	41 24 02	110 32 35	6,970
FA4012AE	Quadrant	III	USNPS	44 55 30	110 59 12	7,925
3278A4E8	Rattlesnake Mountain	I	USBLM	44 33 30	109 14 50	6,800
32788204	Riley Ridge	I	USBLM	42 29 00	110 28 22	9,290
3278F494	Rock Springs	II	USBLM	41 37 43	109 13 50	6,450
323504AA	Saw Mill Park	II	USFS	41 04 00	106 08 30	9,055
3239F5B2	School House Park	II	USFS	44 18 25	106 58 30	8,080
325F2126	Snider Basin	II	USFS	42 29 00	110 32 00	8,200
32789172	Snow Springs Creek	I	USBLM	41 25 03	109 02 10	7,550
3278B79E	Split Rock Creek	I	USBLM	43 33 38	107 23 51	6,000
FA45D070	Thorofare	II	USNPS	44 09 30	110 05 00	8,380

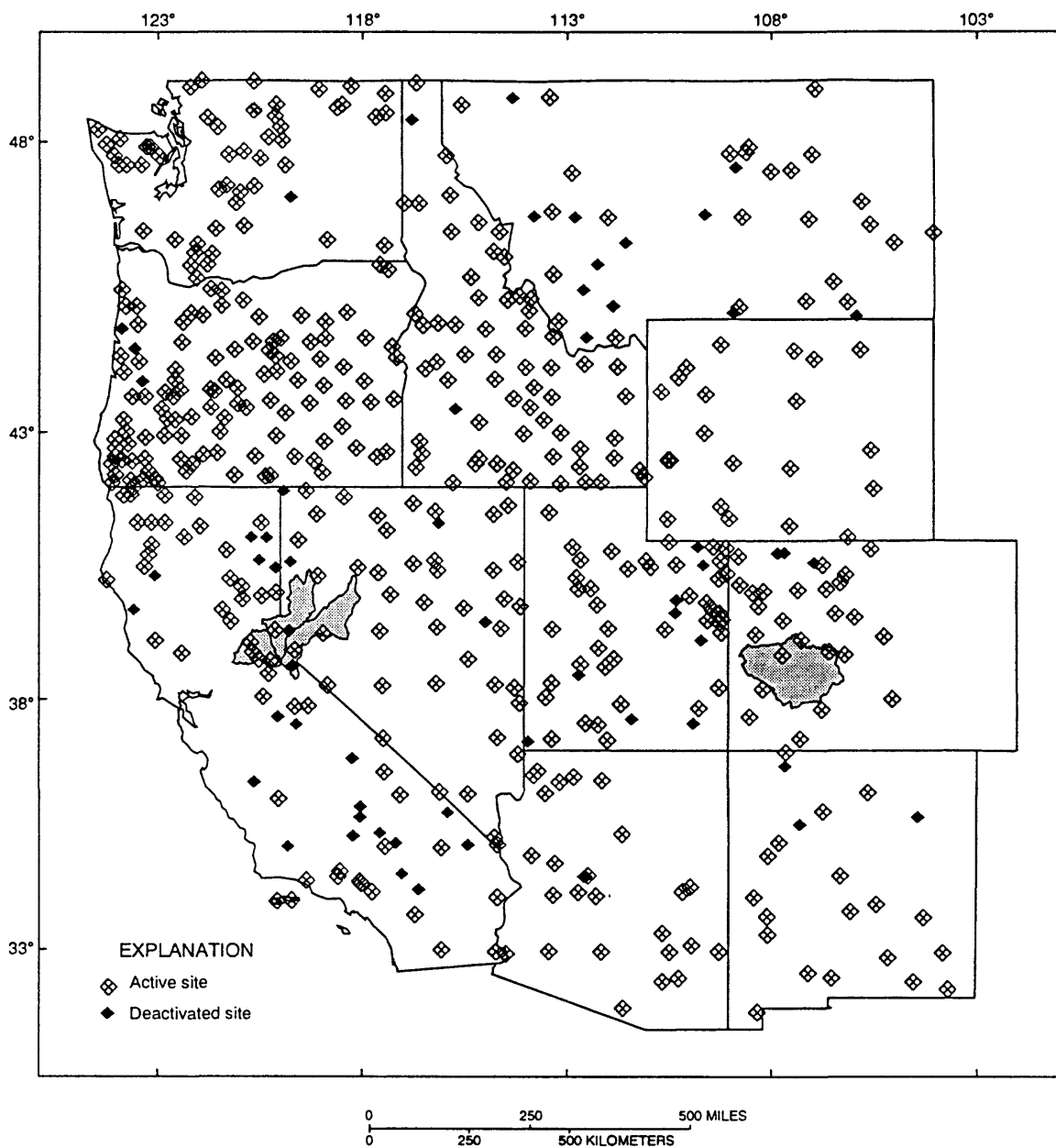


Figure 14. Remote Automatic Weather Stations in Western United States. (See table 11.) Also shown are boundaries of study basins in California, Nevada, and Colorado.

TABLE 12. Radiosonde data-collection sites in Western United States

[Source of data is U.S. National Weather Service (Climatic Data Center, Ashville, N.C.). Data from Alaska and Hawaii not included. Site ID number: WBAN number (identification number used by National Weather Bureau, U.S. Army, and U.S. Navy). Location: N lat, north latitude; W long, west longitude. Altitude: some values rounded to nearest 10 feet. Period of record: 90+, station still in operation as of 1990. Within each State, sites listed in numerical order according to WBAN number]

Site ID number	Station name	Location		Altitude (feet above sea level)	Period of record (calendar years)
		N lat (degrees, minutes)	W long (degrees, minutes)		
Arizona					
03124	Fort Huachuca	31 34	110 20	4,670	1955-71
03125	Yuma Proving Ground	32 50	114 24	320	1955-71
03149	Phoenix Litchfield Park	33 26	112 22	980	1963-63
23109	Davis Monthan Air Force Base	32 10	110 53	2,620	1951-56
23160	Tucson International Airport	32 08	110 57	2,560	1956-80
23183	Phoenix Sky Harbor International Airport	33 26	112 02	1,110	1948-58
23194	Winslow Municipal Airport	35 01	110 44	4,890	1961-90+
California					
03120	China Lake G1 Range	35 47	117 47	2,230	1947-58
03123	Camp Pendleton	33 24	117 30	230	1954-54
03131	San Diego Montgomery Field	32 49	117 09	420	1956-90+
03134	Baker Team 1	35 16	116 05	930	1957-57
03146	El Centro Range 1	32 58	115 49	240	1962-68
03158	San Nicholas Island 2	33 16	119 32	30	1973-83
23106	Hammer Air Force Base	36 46	119 42	340	1955-55
23114	Edwards Air Force Base	34 55	117 54	2,320	1951-68
23129	Long Beach WSO Airport	33 49	118 09	40	1948-56
23174	Los Angeles International Airport	33 56	118 23	120	1970-71
23201	Chico Air Force Base	39 48	121 51	250	1962-71
23203	Castle Air Force Base	37 22	120 34	200	1952-63
23230	Oakland WSO Airport	37 44	122 12	10	1948-90+
23236	Santa Maria Airport (public)	34 54	120 27	230	1948-59
Colorado					
23012	Denver Lowry Air Force Base	39 43	104 54	5,400	1948-56
23062	Denver Stapleton International Airport	39 45	104 52	5,290	1956-90+
23066	Grand Junction Walker Field	39 07	108 32	4,830	1948-90+
Idaho					
24131	Boise Air Terminal	43 34	116 13	2,850	1948-90+
Montana					
24034	Glasgow Weather Bureau (city)	48 34	109 40	2,490	1948-55
24143	Great Falls International Airport	47 29	111 21	3,690	1948-90+
94008	Glasgow International Airport	48 13	106 37	2,280	1985-90+
Nevada					
03109	Camp Mercury	36 57	116 05	3,920	1951-55
03132	Tonopah	38 04	117 05	5,430	1956-58
03133	Yucca Flats Test S TM21	36 57	116 05	920	1956-79
03143	Jackass Flats	36 48	116 16	3,610	1959-67
03160	Desert Rock	36 37	116 01	3,300	1978-90+
23118	Stead Air Force Base	39 40	119 52	5,030	1953-57
23128	Tonopah AAF	38 04	117 01	5,410	1953-55
23154	Ely Yelland	39 17	115 08	5,410	1948-90+
23169	Las Vegas McCarran International Airport	36 05	115 10	2,180	1949-66
23173	Las Vegas Weather Bureau (airport)	36 14	115 02	1,880	1948-52
24128	Winnemucca WSO Airport	40 54	117 48	4,300	1956-90+

TABLE 12. Radiosonde data-collection sites in Western United States--Continued

Site ID number	Station name	Location		Altitude (feet above sea level)	Period of record (calendar years)
		N lat (degrees, minutes)	W long (degrees, minutes)		
New Mexico					
23002	Holloman Air Force Base	32 51	106 05	4,070	1949-61
23039	Las Cruces	32 22	106 29	4,240	1949-61
23050	Albuquerque International Airport	35 03	106 37	5,310	1912-90+
Oregon					
24211	Portland	53 37	122 36	30	1946-56
24225	Medford Jackson County Airport	42 22	122 53	1,300	1948-90+
24232	Salem McNary Field	44 55	123 01	200	1956-90+
Utah					
03121	Saint George Team 22	37 06	113 36	2,940	1957-57
24101	Ogden Hill Air Force Base	41 07	111 58	4,790	1950-56
24103	Dugway Proving Ground	49 11	112 56	4,360	1951-57
24126	Ogden	41 12	112 01	4,480	1948-48
24127	Salt Lake City International Airport	40 47	111 58	4,220	1956-90+
Washington					
24157	Spokane International Airport	47 38	117 32	2,360	1948-90+
24227	Olympia Airport	46 58	122 54	190	1962-64
24233	Seattle-Tacoma International Airport	47 27	122 18	450	1956-62
24240	Tatoosh Island	48 23	124 44	110	1948-66
24244	Seattle Naval Air Station	47 41	122 16	50	1946-56
94240	Quillayute WSO Airport	47 57	124 33	180	1966-90+
Wyoming					
24021	Lander Hunt Field	42 49	108 44	5,560	1948-90+

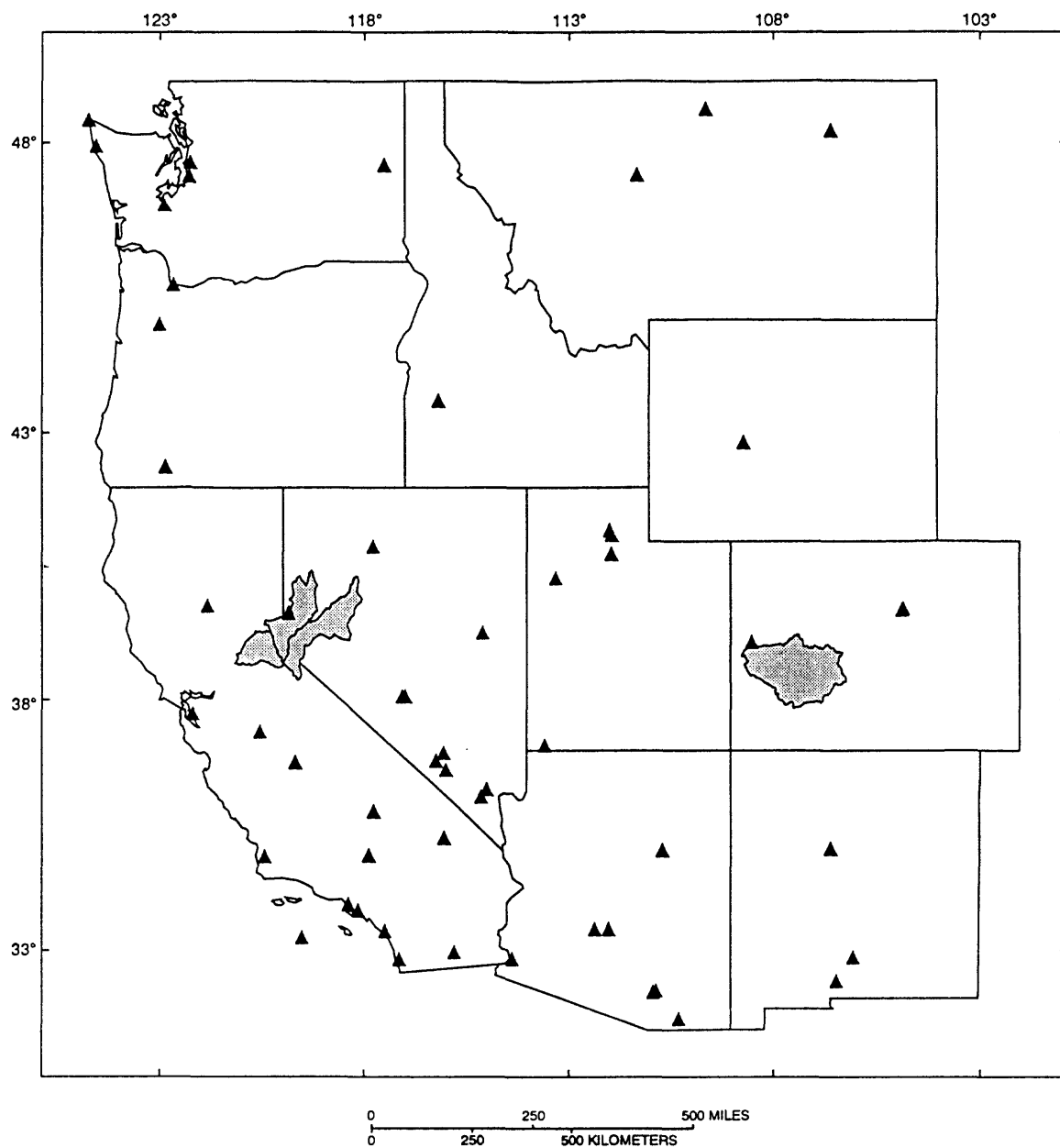


Figure 15. Radiosonde data-collection sites in Western United States. (See table 12.) Also shown are boundaries of study basins in California, Nevada, and Colorado.

TABLE 13. California Department of Water Resources data-collection sites in American River basin and surrounding area, California, and in Carson and Truckee River basins, California and Nevada

[Source of data is California Department of Water Resources (Sacramento, Calif.). All sites are in California except 225750 and 422850, which are in Truckee River basin in Nevada. Site ID number: station identification number used by California Department of Water Resources. Cooperating agency: CDBP, California Department of Beaches and Parks; CDF, California Division of Forestry; MWS, U.S. military weather stations; NWS, U.S. National Weather Service; NWSF, National Weather Service Flood Center (Sacramento, Calif.); P, private cooperator; PGE, Pacific Gas and Electric Company; SMUD, Sacramento Municipal Utility District; UCD, University of California, Davis (Pomology Department); USFS, U.S. Forest Service. Location: N lat, north latitude; W long, west longitude. Altitude: some values rounded to nearest 10 feet. Within each basin, sites listed in alphabetical order by station name. --, not determined]

Site ID number	Station name	Cooperating agency	Location		Altitude (feet above sea level)	Period of record (calendar years)
			N lat (degrees, minutes)	W long (degrees, minutes)		
American River basin and surrounding area, California						
024100	Applegate	P	38 59	120 58	2,200	1954-74
038550	Auburn ranger station	CDF	38 54	121 03	1,058	1952-61
135901	Camino Driver	P	38 45	121 03	3,280	1948-68
135902	Camino Hamilton	UCD	38 44	120 39	3,100	1931-54
192200	Coloma	CDBP	38 48	120 53	770	1962-81
213000	El Dorado Forest Fire Station	CDF	38 41	120 52	1,550	1955-81
272100	El Dorado powerhouse	PGE	38 48	120 37	1,920	1936-70
311500	Folsom Johnson	P	38 40	121 10	265	1951-57
325209	Fresh Pond	SMUD	38 46	120 32	3,760	1971-81
338800	Gerle Creek	NWS	38 59	120 23	5,400	1946-60
362500	Greenwood ISE	P	38 53	120 54	1,600	1951-66
434509	Jay Bird powerhouse	SMUD	38 53	120 32	3,000	1963-81
508700	Long Valley Orchard	P	38 51	121 05	870	1957-62
509780	Loon Lake	SMUD	38 59	120 20	6,650	1971-78
515050	Lost Corner Mountain	SMUD	39 01	120 12	7,560	1975-78
516380	Lower Van Vlick	SMUD	38 56	120 20	6,350	1971-78
583911	Morattini Flat	SMUD	38 54	120 16	7,150	1972-78
586000	Morman Island	P	38 42	121 08	306	1943-52
677309	Peavine Ridge	SMUD	38 48	120 26	5,175	1963-81
749200	Robertson Flat	P	39 09	120 30	6,740	1947-60
803825	Schneider Camp	SMUD	38 45	120 04	8,850	1971-78
843820	Spider Lake	SMUD	39 01	120 16	6,720	1975-78
877100	Talbot Camp	NWS	39 12	120 22	6,000	1949-63
888100	The Cedars	NWS	39 12	120 21	5,900	1946-60
914300	Union Valley	SMUD	38 52	120 26	4,785	1964-81
919020	Upper Van Vlick	SMUD	38 57	120 18	6,750	1971-78
959700	Westville	NWS	39 10	120 39	5,290	1950-60
981650	Wrights Lake	SMUD	38 50	120 14	6,950	1975-78
Carson River basin, California						
367500	Grover Hot Springs	CDBP	38 42	119 49	5,800	1963-81
Truckee River basin, California and Nevada						
225750	Daggett Pass	P	38 59	119 53	7,380	1974-76
245300	D.L. Bliss State Park	CDBP	38 59	120 06	6,775	1963-75
246301	Dog Creek watershed 1	MWS	39 33	120 05	6,600	1960-64
246302	Dog Creek watershed 2	MWS	39 34	120 05	7,150	1961-64
422850	Incline Village--James	P	39 17	119 58	7,000	1974-76
537831	Martis Creek	NWSF	39 20	120 07	5,800	1980-81
557300	Meyers ranger station	USFS	38 51	120 01	6,342	1963-71
863609	Sugar Pine Point	P	39 04	120 07	--	1977-81
876000	Tahoe Vista	P	39 15	120 03	3,610	1963-65

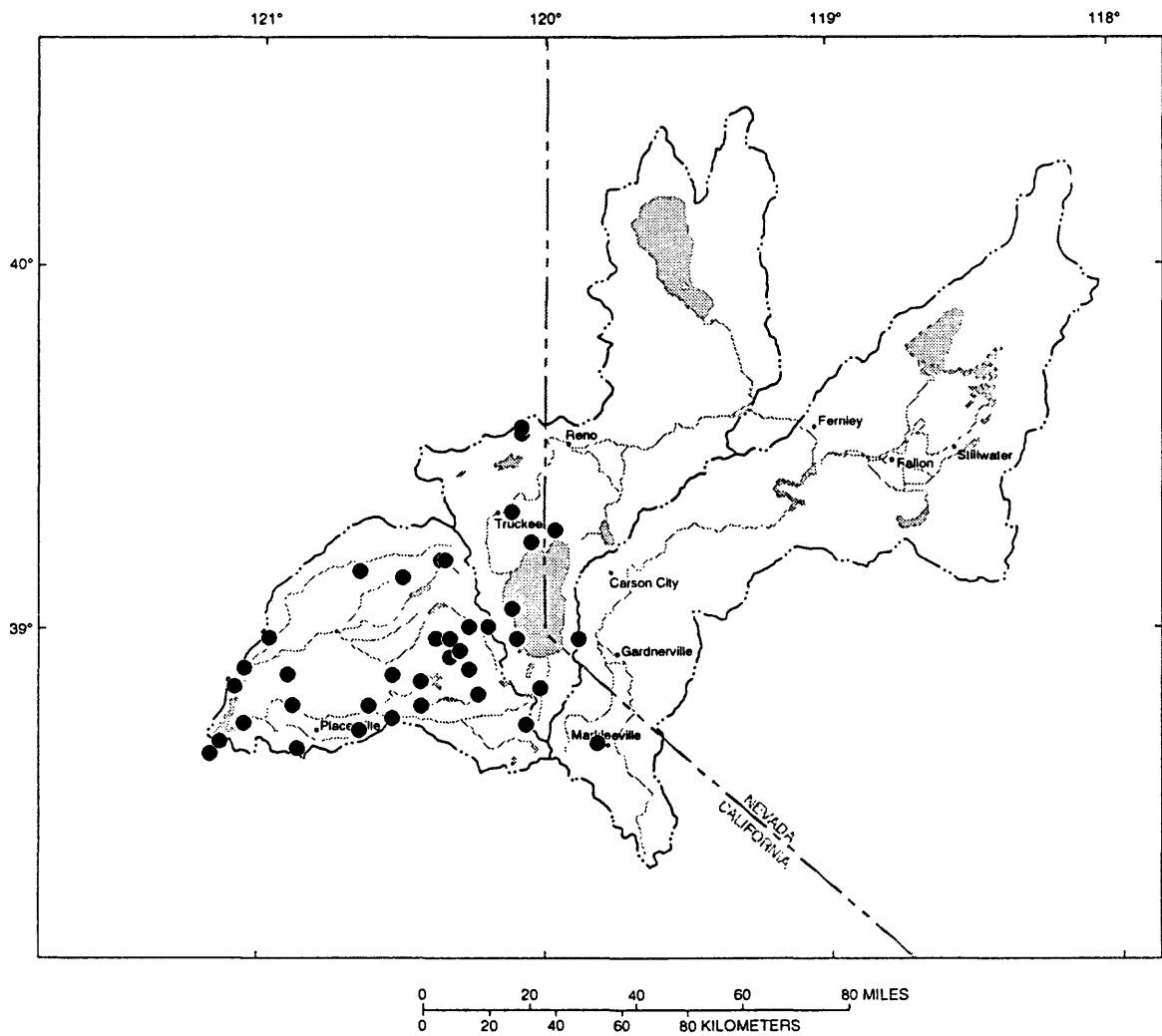


Figure 16. California Department of Water Resources data-collection sites in American River basin and surrounding area, California, and in Carson River and Truckee River basins, California and Nevada. (See table 13 and figures 1 and 2.)

TABLE 14. University of Nevada Desert Research Institute weather stations in Truckee River basin and surrounding area, California and Nevada

[Source of data is Desert Research Institute, University of Nevada Atmospheric Sciences Center (Reno, Nev.). Location: N lat, north latitude; W long, west longitude. Altitude: some values rounded to nearest 10 feet. Collection interval: applies only to data collected at regular intervals ranging from hourly to monthly. Data type available: H, humidity; Ppt, precipitation; Prs, pressure; R, radiation; S, snowfall or related information; T, temperature; W, wind. Period of record: 90+, station still in operation as of 1990. Within each State, sites listed in alphabetical order by station name]

Station name	Location		Altitude (feet above sea level)	Data type available	Collection interval	Period of record (calendar years)	Comments
	N lat (degrees, minutes)	W long (degrees, minutes)					
California							
Alpine Meadows	39 10	120 14	7,000	Ppt,T	Daily	1981-90+	Mainly winter data; annual precipitation data also available.
Floriston	39 23	120 01	5,301	Ppt,T	Daily	1976-90+	
Soda Springs 1 E	39 19	120 22	6,885	Ppt,R,S,T	Daily, hourly	1899-90+	Comprehensive record of daily temperature, precipitation, snowfall, snow depth. Automated hourly data, available since 1980, comprises ambient and soil temperature, wind, snow density and snow chemistry, upward and downward short- and long-wave radiation.
Squaw Valley	39 18	120 14	6,230	Ppt,T	Daily	1956-75 1982-90+	Temperature data for winter only.
Truckee Airport 4TA--Desert Research Institute.	39 19	120 09	5,880	Ppt,S,T	Monthly	1966-90+	Storm totals and monthly totals. Snowfall and snow water content. Temperature recorded at irregular intervals.
Nevada							
Cold Springs--Cruz	39 41	119 58	5,040	Ppt,T	Daily	1985-90+	
Incline Village	39 16	119 57	6,560	Ppt,T	Daily	1976-90+	Monthly summaries available for 1972-75.
Lennon Valley--Klump	39 42	119 50	5,040	Ppt,T	Daily	1972-90+	
Little Valley	39 15	119 53	6,540	Ppt,Prs,T	Daily	1971-90+	Precipitation data available as monthly cumulative totals.
MacLean, Incline Lake	39 17	119 56	8,322	Ppt,Prs,S,T	Daily	1975-90+	
Minden, Johnson Lane area	39 01	119 45	4,680	Ppt,S,T	Daily	1989-90+	
Peavine Mountain	39 35	119 56	8,266	Prs,T,W	Hourly	1983-90+	Five-minute data telemetered to Western Regional Climate Center (Reno, Nev.). Some hourly data available in digital form.
Red Rock--Borys	39 39	119 55	4,970	T	Daily	1988-90+	
Reno--Ashby	39 31	119 50	4,850	Ppt,T,W	Daily, hourly	1987-90+	Precipitation and temperature data measured daily; wind data measured hourly.

Reno, Callahan Ranch	39 22	119 49	5,400	Ppt, T	Daily	1987-90+	
Reno--Ganser	39 31	119 50	4,640	Ppt, T	Daily	1979-90+	
Reno--Klieforth	39 31	119 50	4,800	Ppt, T	Daily	1966-90+	Hygrothermograph and snowboard used.
Reno, northwest--Pitter	39 31	119 50	4,740	Ppt, T	Daily	1982-90+	
Reno, Rancho San Rafael Park	39 33	119 50	4,600	Ppt, T	Daily	1982-90+	
Reno--University of Nevada	39 32	119 48	4,500	Ppt, Prs, T, W	Daily	1982-90+	Hygrothermograph used.
Reno, Upper Skyline	39 28	119 51	5,120	Ppt, T, W	Daily	1975-90+	Hygrothermograph and electronic precipitation and temperature instruments used.
Sand Harbor	39 12	119 55	6,240	Ppt, T	Daily	1985-90+	
Slide Mountain	39 18	119 53	9,658	H, Prs, T, W	Hourly	1983-90+	Five-minute data telemetered to Western Regional Climate Center (Reno, Nev.). Some hourly data available in digital form.
Sparks--Del Grosso	39 34	119 45	4,520	Ppt, T	Daily	1979-90+	
Sparks--Kelly	39 32	119 43	4,400	Ppt, T	Daily	1988-90+	
Stead--Desert Research Institute.	39 33	119 43	5,000	H, Ppt, T, W	Daily, hourly	1985-90	Precipitation and temperature data measured daily; wind data measured hourly.
Tahoe Meadows	39 30	119 53	8,440	Ppt, T	Monthly	1985-90+	Precipitation data available as monthly cumulative totals.
Virginia City Highlands	39 22	119 39	6,280	Ppt, T	Daily	1984-90+	
Virginia Foothills	39 24	119 44	4,720	Ppt, T, W	Daily	1975-90+	Hygrothermograph used.
Washoe Valley--Simoncini	39 17	119 46	5,080	Ppt, T	Daily	1977-90+	Hygrothermograph used.

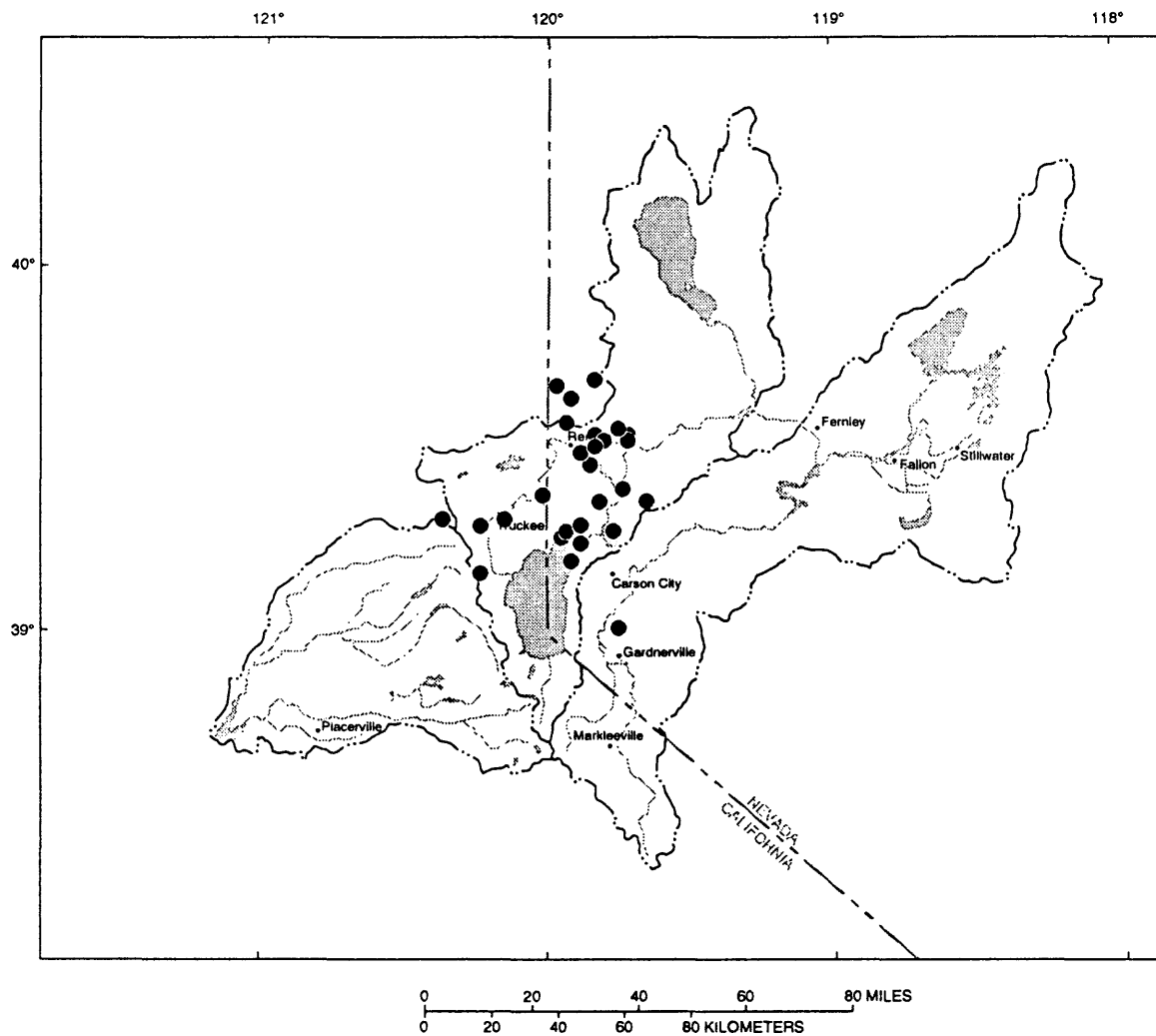


Figure 17. University of Nevada Desert Research Institute weather stations in Truckee River basin and surrounding area, California and Nevada. (See table 14 and figures 1 and 2.)

TABLE 15. Washoe County, Nev., Public Works Department, Utility Division, hydrologic-network sites

[Source of data is Department of Public Works of Washoe County, Nev., Utility Division (Reno, Nev.). Altitude: some values rounded to nearest 50 feet. Gage records available from beginning of period of record to at least 1990 for all sites in network. Sites listed in alphabetical order by station name]

Station name	Altitude (feet above sea level)	Gage type	Beginning of period of record (calendar year)
Alexander ditch	4,410	Streamflow	1982
Alum Creek	5,700	Rain, temperature, wind	1989
Bailey Canyon	5,600	Rain	1990
Beacon Point	7,400	Snow, temperature, wind	1988
Brockway Summit	7,200	Snow, temperature	1990
Canoe Hill	5,000	Rain, temperature, wind	1989
Dry Creek	4,600	Rain, temperature, wind	1989
Galena Park	6,200	Rain, temperature	1988
Hunter Canyon	8,000	Snow, temperature	1988
Jumbo Grade	6,100	Rain	1990
Mount Rose Ski Area	8,350	Snow, temperature, wind	1988
Peavine Creek above Mogul	8,000	Snow, temperature	1990
Peavine Creek	5,800	Rain, temperature, wind	1991
Price Lake	7,200	Snow, temperature	1990
Steamboat Creek at Geiger Grade	4,540	Streamflow	1982
Steamboat Creek at Rhodes	4,600	Rain	1988
Steamboat Creek at Short Lane Road	4,410	Streamflow	1982
Steamboat Creek at Short Lane Road	4,410	Rain	1990
Steamboat Creek at U.S. Highway 395	4,800	Streamflow	1982
Thomas Canyon	7,800	Snow, temperature	1990
Thomas Creek	5,950	Streamflow	1982
Thomas Creek	6,000	Rain, temperature	1988
Truckee River at Truckee	6,080	Snow, temperature	1988
Upper Bronco	8,800	Snow, temperature	1991
Whites Creek	6,000	Streamflow	1982
Whites Creek	6,050	Rain	1987

TABLE 16. Washoe County, Nev., Health Department air-quality-network sites

[Data type: A, nonmeteorological data of relevance to air-quality studies; T, temperature; W, wind speed and direction. do., ditto]

Station name	Location		Site type	Data type
	N lat (degrees, minutes, seconds)	W long (degrees, minutes, seconds)		
Cap	39 31 22	119 42 09	Meteorological	T,W
Galletti	39 31 59	119 46 49	do.	T,W
Galletti PM10	39 31 59	119 46 45	Other	A
Hilltop	39 32 40	119 51 31	Meteorological	T,W
KOH (radio station)	39 32 52	119 42 38	do.	T,W
Lemval	39 38 48	119 50 11	Other	A
Mayberry	39 30 23	119 53 22	Meteorological	T,W
Plumbkit	39 30 26	119 47 06	do.	T,W
Reno	39 31 44	119 48 23	do.	T,W
Shadow Mountain	39 33 45	119 43 09	do.	T,W
Soreno	39 28 16	119 46 17	do.	T,W
Skyline	39 29 05	119 49 49	do.	T,W
Sparks	39 32 29	119 44 37	do.	T,W
Sun Valley	39 35 26	119 46 35	Other	A

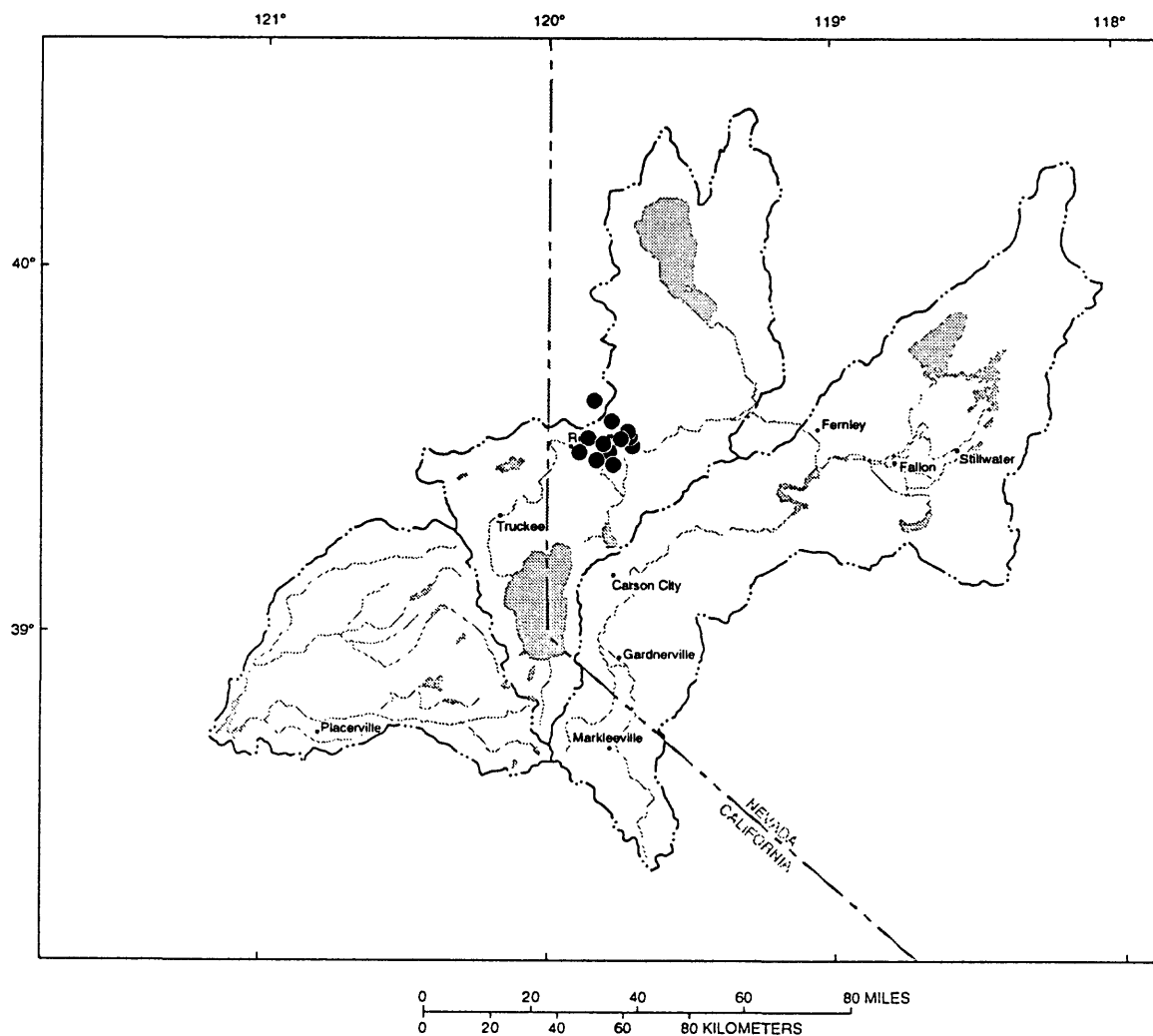


Figure 18. Washoe County, Nev., Health Department air-quality-network sites. (See table 16.)