INTRODUCTION

The Lake Tahoe Basin encompasses an area of 506 square miles within the Sierra Nevada of California and Nevada (see location map). The area is renowned for the natural beauty of its alpine and subalpine mountains and lakes, particularly Lake Tahoe. Within the Lake Tahoe Basin, elevations range from about 6,220 to 10,890 feet. As a result of public interest and concern for preservation of the natural resources of the basin, various Federal, State, and local agencies have been collecting environmental data regarding the water and land resources. In the mid-1980's, several of these agencies recognized the need to develop a data-base management system for resource planning and for analysis of the land-use and environmental information collected in the basin.

In 1988, the U.S. Geological Survey (USGS) and the Tahoe Regional Planning Agency (TRPA) initiated a cooperative project to develop a geographic information system (GIS) to meet data-base needs for the Lake Tahoe Basin. TRPA is a joint California–Nevada agency that manages and analyzes much of the land-use and environmental data collected in the basin. The Forest Service (FS) and the Natural Resources Conservation Service (NRCS) also participated informally in the cooperative efforts. The resulting product is referred to as the Tahoe Environmental Geographic Information System (TEGIS). The TEGIS data bases (Cartier and others, 1994; Peltz and others, 1994) contain vector coordinates stored in the local Universal Transverse Mercator (UTM) zone-11 coordinate system. These data bases include surface geology, soils, timber type, riparian vegetation, land capability, stream channels, water bodies, roads, political boundaries, the Lake Tahoe Basin boundary, slope, aspect, drainage-basin boundaries, and hydrologic-monitoring sites.

The purposes of the TEGIS project were (1) to produce a set of spatial data bases of natural-resources information for the Lake Tahoe Basin and (2) to develop efficient techniques for creating spatial data bases.

This report presents graphic and tabular summaries of information from two of the TEGIS data bases, one of hydrologic basins and the other of hydrologic-monitoring sites. The areal scope of these data bases is that of the entire TEGIS project, which was limited to the 16 USGS 7.5-minute-series quadrangles encompassing the Lake Tahoe Basin (fig. 1). The thematic layers of hydrologic basins and hydrologic-monitoring sites are shown in figure 2.

Previous Investigations

Hydrologic basins were delineated by Jorgensen and others (1978). Hydrologic data have been collected by the USGS, FS, NRCS, Nevada Division of Environmental Protection (NDEP), and Lahontan Water Quality Control Board (LWQCB). The TEGIS data bases were documented by Cartier and others (1994).

Acknowledgments

The USGS and TRPA gratefully acknowledge hydrologic data provided by State (NDEP), Federal (NRCS and FS), and local (LWQCB) agencies.

MAP FEATURES

Base features (shaded relief, major roads, stream channels, and water bodies) and thematic features (hydrologic basins and hydrologic-monitoring sites) that were generated from the TEGIS data bases are shown in figure 2. The data were processed for this publication by using the ARC/INFO software system, a vector-based GIS (Environmental Systems Research Institute, 1989).

Base features

The shaded-relief base was derived from USGS Digital Elevation Model (DEM) data files (U.S. Geological Survey, 1987), which are digital data bases of 1:24,000-scale quadrangles. Each DEM data file contains a regular array of elevations and covers one 7.5-minute-series map quadrangle. The array is based on a 30-meter (98-foot) spacing in the local Universal Transverse Mercator coordinate system. The DEM files were processed into raster grids and then shaded assuming illumination from the northwest at 30 degrees above the horizon.

The road, stream-channel, and water-body base features were derived from USGS Digital Line Graph (DLG) transportation and hydrography data files (U.S. Geological Survey, 1986), which consist of vector data developed from 1:24,000-scale USGS topographic maps.

Thematic features

Hydrologic basins for the major tributaries to Lake Tahoe and also basins above selected stream confluences or surface-water monitoring sites were delineated on USGS 1:24,000-scale topographic maps. The boundaries for the major hydrologic basins and subbasins are shown in figure 2.

The hydrologic basins (table 1, fig. 2) with outflow into Lake Tahoe are numbered according to an arbitrary coding scheme modified from Jorgensen and others (1978). The hydrologic basins are numbered sequentially in a clockwise direction beginning with the first basin north of the Lake Tahoe outflow into the Truckee River. The hydrologic subbasins, which are coded sequentially in an upstream direction in the TEGIS data base, are not labeled in figure 2.

Tabulated information about hydrologic-monitoring sites was obtained from Federal, State, and local agencies working in the Lake Tahoe Basin. Data were compiled from records of monitoring sites for surface water, ground water, and snow through water year 1991 (September 1991). These data were evaluated for quality and significance by the monitoring staff at each agency. The staff members considered the completeness and duration of record as well as the hydrologic significance of each site and determined which monitoring sites were to be included in the GIS data base and in this publication. They also evaluated each of the surface-water monitoring sites for inclusion in a list of sites used to delineate hydrologic divides.

The hydrologic-monitoring sites are distinguished by type (surface water, ground water, or snow) in figure 2 and are arranged by agency and site identification number in table 2.

SUMMARY TABLES

Data for the hydrologic basins that have outflow into Lake Tahoe, as shown in figure 2, are listed in table 1. The values for drainage area were computed by (1) converting the vector coordinates in the TEGIS data base to the Albers equal-area conic projection, (2) determining the drainage area for each subbasin, and (3) summing the drainage areas for the subbasins within each hydrologic basin. The values for drainage perimeter were computed by (1) converting the vector coordinates in the TEGIS data base to the Albers equal-area conic projection, (2) merging the subbasins within each hydrologic basin, and (3) determining the drainage perimeter for each hydrologic basin. Many of the values for drainage area do not agree exactly with the values reported by Jorgensen and others (1978). These variations result from discrepancies in the delineation of the hydrologic-basin boundaries between the two studies and less significantly from discrepancies in analytical technique.

Data for the hydrologic-monitoring sites, as shown in figure 2, are listed in table 2. Drainage-area values were computed for selected surface-water monitoring sites by the procedure described in the previous paragraph. Elevation values were determined from the records of the responsible agency or from inspection of USGS 7.5-minute-series topographic maps. The latitude and longitude of each site were determined by projecting the site location in the GIS coverage from UTM into geographic coordinates. All other values were compiled from the records of the monitoring agencies.

REFERENCES CITED

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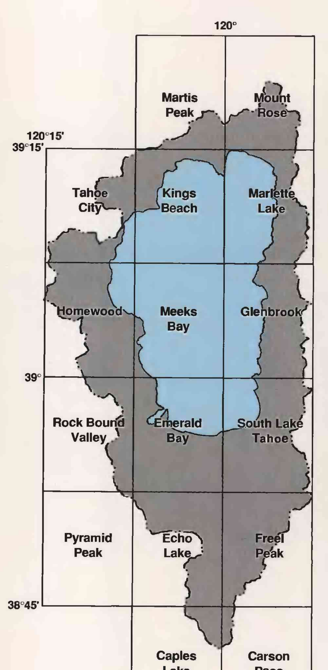


Figure 1. U.S. Geological Survey 7.5-minute quadrangles encompassing Lake Tahoe Basin.

Table 1. Hydrologic-basin description

[Basin number, except for 999, corresponds to system established by Jorgensen and others (1978) for Lake Tahoe Basin. Drainage area and perimeter based on measurements from 1:24,000-scale spatial data bases. <, less than]

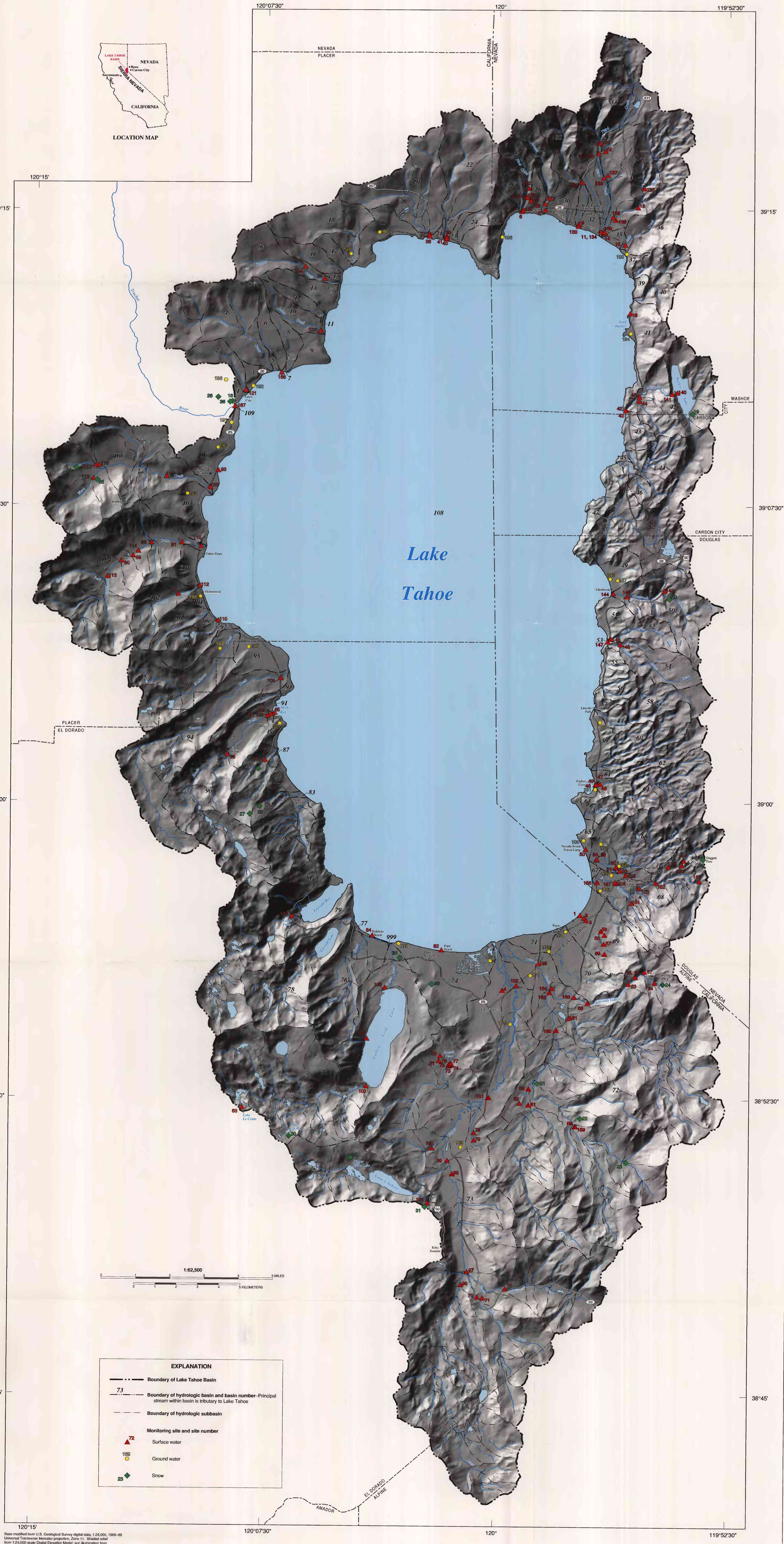
Basin number	Drainage or basin description	Drainage area (square miles)	Drainage perimeter (miles)
1	Unnamed creek at mouth at Tahoe City, Calif.	0.15	2.23
2	Lake Tahoe tributary at mouth at Tahoe City, Calif.	1.07	5.62
3	Intervening area	.34	3.17
4	Barton Creek at mouth	5.38	11.0
5	Intervening area	.09	1.56
6	Unnamed creek at mouth near Lake Forest, Calif.	1.01	6.54
7	Intervening area	.01	.74
8	Unnamed creek at mouth at Lake Forest, Calif.	.30	4.50
9	Intervening area	.73	6.42
10	Dollar Creek at mouth	1.09	5.31
11	Intervening area	.06	1.29
12	Unnamed creek at mouth near Cedar Flat, Calif.	.57	6.90
13	Intervening area	1.19	5.76
14	Watson Creek at mouth	2.33	8.60
15	Intervening area	.10	1.70
16	Unnamed creek at mouth near Carnelian Bay, Calif.	.90	5.11
17	Intervening area	.49	3.33
18	Carnelian Canyon creek at mouth	3.01	8.79
19	Intervening area	1.36	7.36
20	Snow Creek[1] at mouth	4.66	11.2
21	Intervening area	.10	1.63
22	Griff Creek at mouth	4.45	9.88
23	Intervening area	.19	2.88
24	Baldy Creek[1] at mouth	.42	3.53
25	Intervening area	1.90	7.62
26	Unnamed creek at mouth near Crystal Bay, Nev.	.67	3.99
27	First Creek at mouth	1.08	5.63
28	Intervening area	.48	4.10
29	Second Creek at mouth	1.37	7.23
30	Intervening area	.90	4.32
31	Wood Creek[1] at mouth near Crystal Bay, Nev.	1.97	9.27
32	Intervening area	.40	3.36
33	Third Creek at mouth	6.05	15.7
34	Incline Creek at mouth	6.70	11.8
35	Intervening area	.25	2.16
36	Mill Creek at mouth	1.93	6.27
37	Intervening area	.23	3.35
38	Tunnel Creek at mouth	1.27	5.55
39	Intervening area	.21	2.03
40	Unnamed creek at mouth near Sand Harbor	.88	4.52
41	Intervening area	2.15	9.32
42	Marlette Creek at mouth	4.94	9.81
43	Intervening area	.76	3.82
44	Secret Harbor Creek at mouth	2.00	7.48
45	Intervening area	.08	1.61
46	Bliss Creek at mouth	.55	3.90
47	Intervening area	1.36	8.63
48	Slaughterhouse Canyon creek at mouth	6.40	16.9
49	Intervening area	.03	4.08
50	Glenbrook Creek at mouth	4.10	10.6
51	Intervening area	.83	3.63
52	North Logan House Creek at mouth	1.09	5.60
53	Intervening area	.02	.84
54	Logan House Creek at mouth	2.15	7.23
55	Intervening area	.67	3.77
56	Unnamed creek at mouth near Lincoln Park, Nev.	.57	3.43
57	Intervening area	.33	3.21
58	Lincoln Creek at mouth	2.55	10.1
59	Intervening area	.78	4.83
60	Unnamed creek at mouth near district courthouse	2.62	8.47
61	Intervening area	.20	2.51
62	Unnamed creek at mouth near Zephyr Cove, Nev.	1.67	9.30
63	Intervening area	.34	3.01
64	McFaul Creek at mouth	3.60	10.6
65	Intervening area	.32	3.22
66	Burke Creek at mouth	4.64	10.3
67	Intervening area	.09	1.51
68	Edgewood Creek at mouth	6.64	13.3
69	Intervening area	3.02	8.16
70	Unnamed creek at mouth near Bijou, Calif.	2.23	6.99
71	Intervening area	.60	4.24
72	Trout Creek at mouth	41.2	34.8
73	Upper Truckee River at mouth	56.5	53.9
74	Intervening area	4.14	9.86
75	Taylor Creek at mouth	18.4	22.8
76	Tallac Creek at mouth	4.48	9.51
77	Intervening area	.10	3.04
78	Cascade Creek at mouth	4.71	11.4
79	Intervening area	1.09	7.33
80	Eagle Falls creek at mouth	6.38	13.9
81	Intervening area	2.37	10.6
82	Rubicon Creek at mouth	2.85	7.25
83	Intervening area	.03	.89
84	Unnamed creek at mouth at Paradise Flat, Calif.	.62	4.18
85	Intervening area	.46	3.38
86	Lonely Gulch creek at mouth	1.07	5.78
87	Intervening area	.01	.60
88	Unnamed creek at mouth near Meeks Bay, Calif.	.89	4.40
89	Intervening area	.30	2.93
90	Meeks Creek at mouth	8.25	16.4
91	Intervening area	.11	1.72
92	Unnamed creek at mouth near Meeks Bay, Calif.	.27	3.20
93	Intervening area	.12	1.87
94	General Creek at mouth	7.63	17.8
95	Intervening area	1.39	5.48
96	McKinney Creek at mouth	4.83	11.7
97	Intervening area	.12	2.06
98	Unnamed creek at mouth below Quail Lake	1.53	5.36
99	Intervening area	.16	1.96
100	Homewood Canyon creek at mouth	1.05	5.18
101	Intervening area	.24	2.33
102	Madden Creek at mouth	2.04	6.76
103	Intervening area	.81	4.66
104	Blackwood Creek at mouth	11.2	16.1
105	Intervening area	1.80	6.86
106	Ward Creek at mouth	9.73	14.6
107	Intervening area	1.67	7.29
108	Lake Tahoe (surface area only)	192	75.2
109	Lake Tahoe Basin at lake outlet	506	138
999	Intervening area not delineated by Jorgensen and others (1978)	<.01	.32

[1] Informal name used by Jorgensen and others (1978).

Table 2. Hydrologic-monitoring sites

[Monitoring-site description: Names not shown in figure 1 or 2 are informal names used by Jorgensen and others (1970) or by monitoring agency. Site type: GW, ground water; LK, lake; P, precipitation; QW, water quality; S, snow pillow; SC, snow course; SP, spring; SW, surface water; T, temperature. Do., ditto; USDA, U.S. Department of Agriculture; USDI, U.S. Department of Interior. --, not applicable or not available]

Monitoring site: Number (this report)	Identification number (used by agency)	Description (from agency listing)	Corresponding drainage area (square miles)	Elevation (feet)	Location: Latitude	Longitude	Site type
		Lahontan Water Quality Control Board					
1	6918	Wildwood drainage at outfall to Lake Tahoe	--	6,230	38°57'08"	119°57'20"	SW,QW
2	6919	Wildwood drainage at Wildwood Avenue	--	6,235	38°57'04"	119°57'12"	Do
3	6920	Wildwood drainage at Highway 50	--	6,240	38°57'01"	119°57'08"	Do.
4	7350	D Street drainage at Sky Meadows	--	6,240	38°55'13"	119°59'49"	Do.
		Nevada Division of Environmental Protection					
5	310056-1A	First Creek at Dale and Knotty Pine Drives	1.00	6,640	39°15'19"	119°59'09"	SW,QW
6	310057-1B	First Creek at Crystal Shore development	--	6,280	39°14'56"	119°59'19"	Do.
7	310058-2A	Second Creek at Second Creek Drive	1.31	6,520	39°15'17"	119°58'25"	Do.
8	310059-2B	Second Creek at Lakeshore Boulevard	--	6,320	39°14'59"	119°58'34"	Do.
9	310061-WO	Wood Creek at Lakeshore Boulevard	1.96	6,264	39°14'38"	119°57'28"	Do.
10	310063-EF3A	East fork Third Creek at State Route 431	4.39	7,120	39°16'25"	119°56'49"	Do.
11	310064-3B	Third Creek at Lakeshore Boulevard	6.02	6,240	39°14'25"	119°56'44"	Do.
12	310065-WFINCA	West fork Incline Creek at State Route 431	.41	7,200	39°16'28"	119°56'36"	Do.
13	310066-EFINCA	East fork Incline Creek below Ski Incline	--	--	39°15'02"	119°55'32"	Do.
14	310067-INCL	Incline Creek at Lakeshore Boulevard	--	6,240	39°14'23"	119°56'38"	Do.
15	310069-MB	Mill Creek at Lakeshore Boulevard	--	6,297	39°14'06"	119°55'57"	Do.
16	310128-SH	Lake Tahoe off rock point at Sand Harbor	--	6,230	39°12'22"	119°55'47"	SW,LK,QW
		Natural Resources Conservation Service (USDA)					
17	102	Rubicon #3	--	6,700	39°00'50"	120°07'46"	SC
18	105	Tahoe City	--	6,240	39°10'07"	120°08'41"	Do.
19	19K04S	Marlette Lake	--	8,000	39°09'51"	119°53'45"	SC,S,P,T
20	19K06	Glenbrook #2	--	6,900	39°05'10"	119°54'29"	SC
21	19L01	Upper Truckee	--	6,400	38°52'54"	119°58'41"	Do.
22	19L02	Freel Bench	--	7,300	38°52'01"	119°57'17"	Do.
23	19L03S	Hagans Meadow	--	8,000	38°50'54"	119°55'47"	SC,S,P,T
24	19L24S	Heavenly Valley	--	8,850	38°55'25"	119°54'38"	Do.
25	20K25S	Ward Creek #3	--	6,750	39°08'07"	120°13'04"	Do.
26	20K27S	Tahoe City cross	--	6,750	39°10'14"	120°09'09"	Do.
27	20L01	Rubicon #1	--	8,100	38°59'41"	120°08'02"	SC
28	20L02S	Rubicon #2	--	7,500	38°59'53"	120°07'43"	SC,S,P,T
29	20L03	Richardsons #2	--	6,500	38°55'24"	120°02'07"	SC
30	20L04	Lake Lucille	--	8,200	38°51'32"	120°06'41"	Do.
31	20L05	Echo Summit	--	7,450	38°49'46"	120°02'17"	Do.
32	20L06S	Echo Peak	--	7,800	38°50'60"	120°04'41"	SC,S,P,T
33	20L10S	Fallen Leaf	--	6,300	38°56'04"	120°03'09"	Do.
34	20L17	Ward Creek #2	--	7,000	39°08'26"	120°13'45"	SC
35	337	Daggett Pass	--	7,350	38°58'35"	119°53'21"	Do.
36	399	Tahoe City	--	6,280	39°10'07"	120°08'46"	Do.
		Forest Service (USDA)					
37	10-10	Snow Creek above project	--	6,240	39°14'22"	120°02'19"	SW,QW
38	10-5	Snow Creek below Highway 28	4.66	6,230	39°14'18"	120°02'18"	Do.
39	11-10	Griff Creek above sediment pond	4.36	6,244	39°14'19"	120°01'45"	Do.
40	11-5	Griff Creek below Highway 28 and sediment pond	--	6,234	39°14'14"	120°01'45"	Do.
41	11-6	Griff Creek above Highway 28 and below sediment pond	--	6,235	39°14'16"	120°01'45"	Do.
42	24-1	Marlette Creek at mouth	4.95	6,240	39°09'55"	119°55'54"	Do.
43	24-1A	Lake Tahoe at beach below Marlette Creek	--	6,230	39°09'54"	119°55'55"	SW,LK,QW
44	24-2	Marlette Creek tributary below old campground	.88	6,400	39°10'09"	119°55'28"	SW,QW
45	24-2A	Marlette Creek above Highway 28	3.91	6,400	39°10'15"	119°55'28"	Do.
46	37-1	Lake Tahoe at beach below Zephyr Creek	--	6,230	39°00'27"	119°56'51"	SW,LK,QW
47	37-10	Zephyr Creek above Highway 50	--	6,240	39°00'27"	119°56'45"	SW,QW
48	37-11	Zephyr Creek above meadow	--	6,240	39°00'27"	119°56'42"	Do.
49	37-5	South Zephyr Creek near mouth	1.67	6,230	39°00'27"	119°56'50"	Do.
50	39-1	Lake Tahoe at Nevada Beach Forest Camp	--	6,230	38°58'49"	119°57'09"	SW,LK,QW
51	39-10	Burke Creek below pond	2.47	6,280	38°58'21"	119°56'10"	SW,QW
52	39-10A	Folsom Spring outflow, tributary to Burke Creek	--	6,280	38°58'22"	119°56'10"	Do.
53	39-15	Burke Creek below Highway 50	2.45	6,320	38°58'16"	119°56'02"	Do.
54	39-4	Burke Creek overflow ditch by trailer park	--	6,235	38°58'33"	119°56'48"	Do.
55	39-5	Burke Creek by trailer park	3.92	6,235	38°58'33"	119°56'48"	Do.
56	41-10	Wildwood–Keller storm drain, below Tahoe Tyrol	--	6,450	38°56'39"	119°56'32"	Do.
57	41-25	Wildwood–Keller, below Needle Peak	--	6,500	38°56'25"	119°56'33"	Do.
58	41-5	Wildwood–Keller, main channel above fence	--	6,400	38°56'44"	119°56'38"	Do.
59	43-10	Trout Creek below road crossing	7.41	6,960	38°51'48"	119°57'26"	Do.
60	43-4	Saxon Creek below landfill	--	6,320	38°52'44"	119°58'57"	Do.
61	43-5	Saxon Creek above landfill	--	6,310	38°52'20"	119°58'57"	Do.
62	43-FRENCH DRAIN	Spring at southwest corner of old Meyers, Calif., dump	--	6,350	38°52'23"	119°59'15"	SW,SP,QW
63	43-HV1/HVC2	Heavenly Valley Creek below Patsy's Chair	1.94	7,980	38°55'24"	119°55'44"	SW,QW
64	43-HV3/HVC1A	Heavenly Valley Creek near Sky Chair	.72	8,540	38°55'26"	119°54'53"	Do.
65	43-HV5	Ski trail spring at Patsy's Chair	--	8,220	38°55'35"	119°55'31"	SW,SP,QW
66	43-HV6	Tributary to Heavenly Valley Creek at Patsy's Chair	--	8,160	38°55'35"	119°55'31"	Do.
67	43-HV7/HVC1	Undisturbed left fork of Heavenly Valley Creek	.66	8,240	38°55'42"	119°55'13"	SW,QW
68	43-HVC3A/HVC3	Heavenly Valley Creek at property line	--	6,480	38°54'55"	119°57'03"	Do.
69	43-HVP1/HVC4	Heavenly Valley Creek parking lot store runoff	--	6,540	38°56'10"	119°56'31"	Do.
70	44-25	Big Meadow Creek below cookhouse meadow	--	7,020	38°47'28"	120°00'34"	Do.
71	44-26	Big Meadow Creek above cookhouse meadow	4.27	7,040	38°47'27"	120°00'24"	Do.
72	44-35	Grass Lake Creek above campground	5.68	7,400	38°47'41"	119°59'40"	Do.
73	44-51	Sawmill Pond creek below Sawmill Pond	--	6,321	38°53'18"	120°01'31"	Do.
74	44-53	Todd channel	--	6,325	38°53'20"	120°01'28"	Do.
75	44-55	Toilet Spring	--	6,322	38°53'20"	120°01'32"	SW,SP,QW
76	44-59	Todd Spring	--	6,328	38°53'22"	120°01'30"	Do.
77	44-60	Sawmill Pond creek above project	--	6,340	38°53'22"	120°01'27"	SW,QW
78	44-90	Santa Fe Road near Arapahoe Road	--	6,320	38°51'38"	120°00'43"	Do.
79	44-95	Santa Fe Road at Highway 50	--	6,320	38°51'26"	120°00'42"	Do.
80	44-A	Upper Tahoe Mountain Road	--	6,480	38°53'34"	120°01'49"	Do.
81	44-B	Lower Tahoe Mountain Road	--	6,400	38°53'26"	120°01'51"	Do.
82	45-1	Lake Tahoe at Pope Beach	--	6,230	38°56'15"	120°01'47"	SW,LK,QW
83	46-50	Lake LeConte	--	8,200	38°52'14"	120°08'12"	Do.
84	47-1	Lake Tahoe at Baldwin Beach	--	6,230	38°56'37"	120°04'01"	Do.
85	55-1	Lake Tahoe at Meeks Bay marina	--	6,230	39°02'14"	120°07'14"	Do.
86	55-2	Marina at Meeks Bay	--	6,230	39°02'12"	120°07'21"	Do.
87	55-3	Meeks Creek at Highway 89	8.11	6,240	39°02'09"	120°07'28"	SW,QW
88	55-4	Meeks Creek above Girl Scout camp (Camp Wasiu)	5.55	6,310	39°01'11"	120°08'46"	Do.
89	62-10	Blackwood Creek below ponds	7.62	6,390	39°06'12"	120°11'53"	Do.
90	62-15	Blackwood Canyon above diversion	6.69	6,400	39°06'04"	120°12'15"	Do.
91	62-7	Blackwood Canyon below cleanout	11.0	6,300	39°06'32"	120°10'17"	Do.
92	62-9	Blackwood Creek above tributaries	8.98	6,360	39°06'32"	120°11'17"	Do.
93	63-1A	Lake Tahoe at William Kent Guard Station beach	--	6,230	39°08'21"	120°09'07"	SW,LK,QW
94	7-10	Watson Creek	1.98	6,840	39°13'32"	120°06'20"	SW,QW
95	7-5	Watson Creek at Lake Tahoe Basin Management Unit downstream boundary	2.26	6,560	39°13'13"	120°05'42"	Do.
		U.S. Geological Survey (USDI)					
96	10336580	Upper Truckee River at South Upper Truckee Road near Meyers, Calif.	14.2	6,490	38°47'47"	120°01'05"	SW,QW
97	10336593	Grass Lake Creek near Meyers, Calif.	6.35	6,480	38°48'06"	120°00'54"	Do.
98	10336600	Upper Truckee River near Meyers, Calif.	33.2	6,320	38°50'35"	120°01'24"	SW
99	103366092	Upper Truckee River at Highway 50 above Meyers, Calif.	39.3	6,310	38°50'55"	120°01'34"	SW,QW
100	103366094	Upper Truckee River tributary at North Upper Truckee Road near Meyers, Calif.	--	6,380	38°51'14"	120°02'03"	Do.
101	103366098	Upper Truckee River at Highway 50 bridge below Meyers, Calif.	--	6,280	38°52'31"	120°00'14"	Do.
102	10336610	Upper Truckee River at South Lake Tahoe, Calif.	54.0	6,229	38°55'21"	119°59'22"	Do.
103	10336615	Glen Alpine Creek near Meyers, Calif.	10.8	6,400	38°52'47"	120°04'12"	Do.
104	10336625	Fallen Leaf Lake near Camp Richardson, Calif.	--	6,372	38°54'00"	120°04'11"	SW,LK
105	10336626	Taylor Creek near Camp Richardson, Calif.	16.6	6,361	38°55'17"	120°03'37"	SW,QW
106	10336630	Eagle Falls creek near Camp Richardson, Calif.	6.59	6,570	38°57'05"	120°06'38"	Do.
107	10336635	Lake Tahoe tributary near Meeks Bay, Calif.	.66	6,370	39°01'02"	120°07'32"	SW,LK
108	10336640	Meeks Creek at Meeks Bay, Calif.	8.11	6,230	39°02'09"	120°07'28"	SW,QW
109	10336645	General Creek near Meeks Bay, Calif.	7.39	6,250	39°03'07"	120°07'03"	Do.
110	10336650	Quail Lake creek at Homewood, Calif.	1.48	6,235	39°04'34"	120°09'05"	Do.
111	10336655	Madden Creek near Homewood, Calif.	1.67	6,790	39°05'14"	120°10'24"	Do.
112	10336658	Madden Creek at Homewood, Calif.	2.04	6,250	39°05'27"	120°09'42"	Do.
113	103366594	Blackwood Creek below North Fork Blackwood Creek near Tahoe City, Calif.	--	6,460	39°05'40"	120°12'42"	Do.
114	103366596	Blackwood Creek at Blackwood Canyon Road near Tahoe City, Calif.	--	6,380	39°06'19"	120°11'43"	Do.
115	10336660	Blackwood Creek near Tahoe City, Calif.	11.1	6,235	39°06'26"	120°09'40"	Do.
116	10336670	Ward Creek near Tahoe Pines, Calif.	2.06	6,720	39°08'09"	120°13'11"	Do.
117	10336672	Ward Creek tributary near Tahoe Pines, Calif.	.91	6,715	39°08'28"	120°13'06"	Do.
118	10336673	Ward Creek Loop Road tributary near Tahoe Pines, Calif.	.48	6,710	39°08'29"	120°13'00"	Do.
119	10336675	Ward Creek at Stanford Rock trail crossing near Tahoe City, Calif.	--	6,440	39°08'12"	120°10'49"	Do.
120	10336676	Ward Creek at Highway 89 near Tahoe Pines, Calif.	9.73	6,230	39°07'56"	120°09'23"	Do.
121	10336680	Lake Tahoe tributary at Tahoe City, Calif.	1.06	6,260	39°10'24"	120°08'14"	SW
122	10336683	First Creek above Len Way near Incline Village, Nev.	--	6,700	39°15'32"	119°59'05"	SW,QW
123	10336684	Dollar Creek near Tahoe City, Calif.	1.07	6,310	39°11'54"	120°05'50"	Do.
124	10336685	First Creek above Dale Drive near Incline Village, Nev.	--	6,560	39°15'19"	119°59'09"	Do.
125	10336686	Dale Drive Ditch at First Creek near Incline Village, Nev.	--	6,560	39°15'18"	119°59'08"	Do.
126	10336687	Dale Drive Ditch near Incline Village, Nev.	--	6,620	39°15'13"	119°59'02"	Do.
127	10336688	First Creek near Crystal Bay, Nev.	1.07	6,280	39°14'59"	119°59'16"	Do.
128	10336690	Second Creek near Crystal Bay, Nev.	1.33	6,400	39°15'08"	119°58'34"	Do.
129	10336693	Wood Creek near Crystal Bay, Nev.	--	7,000	39°15'41"	119°57'23"	Do.
130	10336694	Wood Creek at mouth near Crystal Bay, Nev.	1.97	6,250	39°14'34"	119°57'28"	Do.
131	103366958	Third Creek below unnamed tributary near Incline Village, Nev.	--	7,350	39°16'40"	119°56'46"	Do.
132	10336696	Third Creek at Incline Village, Nev.	--	7,150	39°16'25"	119°56'49"	Do.
133	103366965	Third Creek at Village Boulevard, Incline Village, Nev.	--	6,720	39°15'48"	119°56'39"	Do.
134	10336698	Third Creek near Crystal Bay, Nev.	6.02	6,234	39°14'25"	119°56'44"	Do.
135	103366993	Incline Creek above Tyrol Village near Incline Village, Nev.	2.85	6,920	39°15'32"	119°55'20"	Do.
136	103366995	Incline Creek at Highway 28 at Incline Village, Nev.	4.54	6,320	39°14'44"	119°56'17"	Do.
137	103366997	Incline Creek tributary at Country Club Drive near Incline Village, Nev.	--	6,760	39°15'52"	119°56'32"	Do.
138	103366999	Incline Creek tributary at Highway 28 at Incline Village, Nev.	--	6,330	39°14'48"	119°56'21"	Do.
139	10336700	Incline Creek near Crystal Bay, Nev.	6.69	6,247	39°14'26"	119°56'37"	Do.
140	10336710	Marlette Lake near Carson City, Nev.	2.89	7,840	39°10'21"	119°54'14"	SW,LK
141	10336715	Marlette Creek near Carson City, Nev.	2.90	7,760	39°10'19"	119°54'24"	SW,QW
142	10336720	Glenbrook Creek at Highway 50 near Glenbrook, Nev.	--	6,800	39°05'21"	119°54'37"	Do.
143	10336725	Glenbrook Creek at old Highway 50 near Glenbrook, Nev.	--	6,320	39°05'12"	119°55'50"	Do.
144	10336730	Glenbrook Creek at Glenbrook, Nev.	4.11	6,240	39°05'17"	119°56'18"	Do.
145	10336735	North Logan House Creek at Highway 50 near Glenbrook, Nev.	--	6,410	39°04'08"	119°56'22"	Do.
146	10336740	Logan House Creek near Glenbrook, Nev.	2.09	6,640	39°03'59"	119°56'04"	Do.
147	10336745	Logan House Creek at Lake Tahoe near Glenbrook, Nev.	--	6,235	39°04'04"	119°56'28"	Do.
148	10336750	Edgewood Creek below South Benjamin Drive near Daggett Pass	--	7,160	38°58'01"	119°53'27"	Do.
149	10336756	Edgewood Creek tributary near Daggett Pass	.80	7,000	38°58'32"	119°53'58"	Do.
150	10336757	Tributary of Edgewood Creek near Tahoe Village, Nev.	--	7,000	38°58'24"	119°54'02"	Do.
151	10336758	Edgewood Creek tributary at Highland Drive near Tahoe Village, Nev.	1.21	6,870	38°58'22"	119°54'28"	Do.
152	103367585	Edgewood Creek at Palisade Drive near Kingsbury, Nev.	3.13	6,640	38°57'58"	119°54'52"	Do.
153	10336759	Edgewood Creek near Stateline, Nev.	3.20	6,420	38°57'50"	119°55'24"	Do.
154	103367592	Eagle Rock creek near Stateline, Nev.	.63	6,480	38°57'27"	119°55'39"	Do.
155	103367595	Sediment catchment basin near Tahoe Village, Nev.	--	6,390	38°58'10"	119°55'51"	Do.
156	10336760	Edgewood Creek at Stateline, Nev.	5.61	6,270	38°57'57"	119°56'09"	Do.
157	10336761	Edgewood Creek below Highway 50 near Stateline, Nev.	5.61	6,260	38°57'58"	119°56'12"	Do.
158	10336765	Edgewood Creek at Lake Tahoe near Stateline, Nev.	6.57	6,240	38°57'58"	119°56'47"	Do.
159	10336770	Trout Creek at U.S. Forest Service Road 12N01 near Meyers, Calif.	7.41	6,850	38°51'47"	119°57'26"	Do.
160	10336775	Trout Creek at Pioneer Trail near South Lake Tahoe, Calif.	23.1	6,270	38°54'13"	119°58'04"	Do.
161	10336778	Cold Creek at Pioneer Trail near South Lake Tahoe, Calif.	--	6,270	38°54'32"	119°57'39"	Do.
162	10336780	Trout Creek near Tahoe Valley, Calif.	36.7	6,242	38°55'10"	119°58'18"	Do.
163	10336783	Heavenly Valley Creek at Pioneer Trail	--	6,310	38°55'04"	119°57'30"	Do.
164	10336785	Heavenly Valley Creek near Tahoe Valley, Calif.	3.00	6,250	38°55'17"	119°58'12"	SW
165	10336790	Trout Creek at South Lake Tahoe, Calif.	40.4	6,240	38°55'54"	119°58'40"	SW,QW
166	10337000	Lake Tahoe at Tahoe City, Calif.	506	6,219	39°10'50"	120°07'05"	SW,LK
167	10337500	Truckee River at Tahoe City, Calif.	506	6,217	39°09'59"	120°08'36"	SW
168	11434500	Echo Lake conduit near Phillips, Calif.	--	7,420	38°49'51"	120°02'11"	Do.
169	385118120010601	90 N12 E18 29CBD 1 Arrowhead	--	6,340	38°51'16"	120°01'07"	GW,QW
170	385423119593601	90 N12 E18 09ABC 1 Airport	--	6,240	38°54'23"	119°59'33"	Do.
171	385538119585001	90 N12 E18 03BCC 1 Sky	--	6,260	38°55'37"	119°58'54"	Do.
172	385559120001301	90 N12 E18 05AADD1 Keys #1	--	6,230	38°55'59"	120°00'13"	Do.
173	385623120030201	90 N13 E17 25CDA 1 Kiva	--	6,235	38°56'25"	120°03'10"	Do.
174	385644119574601	90 N13 E18 33CAD 1 Beverly	--	6,235	38°56'45"	119°57'47"	Do.
175	385651119581701	90 N12 E18 03ABA 1 Al Tahoe	--	6,260	38°56'14"	119°58'19"	Do.
176	385742119565701	90 N13 E18 27BDA1 Edgewood1	--	6,245	38°57'47"	119°56'40"	Do.
177	385816119563001	90 N13 E18 22DCA1 Edgewood4	--	6,260	38°58'10"	119°56'19"	Do.
178	385824119550401	90 N13 E18 23CBB1 Folsom Spring	--	6,335	38°58'25"	119°56'04"	Do.
179	385857119564201	90 N13 E18 22BAA1 Lady of Tahoe Church	--	6,275	38°58'58"	119°56'39"	Do.
180	385902119571301	90 N13 E18 16CCC1 Elk Point1	--	6,235	38°59'03"	119°57'13"	Do.
181	390022119565201	90 N13 E18 10BDBD 1 Zephyr4	--	6,240	39°00'20"	119°56'51"	Do.
182	390148119564101	90 N14 E18 34CDD 1 Jim	--	6,390	39°02'02"	119°56'43"	Do.
183	390157120070501	90 N14 E17 29ADC1 TC Hills	--	6,315	39°01'58"	120°07'04"	Do.
184	390352120090201	90 N14 E17 18BBCA1 McKinney	--	6,380	39°03'52"	120°09'02"	Do.
185	390354120080701	90 N14 E17 18AADB1 Cedar	--	6,305	39°03'55"	120°08'06"	Do.
186	390510120094101	90 N14 E16 01CADD1 Madden	--	6,270	39°05'11"	120°09'40"	Do.
187	390539119561001	90 N14 E18 10ADA1 Glenbrook3	--	6,270	39°05'38"	119°56'10"	Do.
188	390541119562501	90 N14 E18 10ABD1 Glenbrook2	--	6,235	39°05'40"	119°56'24"	Do.
189	390748120100701	90 N15 E16 24CBCD1 Timberland	--	6,460	39°07'47"	120°10'07"	Do.
190	390902120090301	90 N15 E17 18BCB1 TCPUD Tavern Heights	--	6,480	39°08'57"	120°09'08"	Do.
191	390935120084001	90 N15 E17 07CADB1 Tahoe Tree	--	6,260	39°09'35"	120°08'42"	Do.
192	391031120075901	90 N15 E17 05ABBC1 LPT	--	6,245	39°10'31"	120°08'00"	Do.
193	391038120090001	90 N15 E17 06BCC1 TCPUD Bunker well	--	6,580	39°10'40"	120°08'53"	Do.
194	391158119555001	90 N15 E18 02BBDA1 Sand	--	6,230	39°11'52"	119°55'45"	Do.
195	391322119555001	90 N16 E18 23CDC 1 Bishop	--	6,290	39°13'53"	119°55'53"	Do.
196	391406119595601	90 N16 E18 19BCA 1 Gono	--	6,270	39°14'18"	119°59'57"	Do.
197	391425120035301	90 N16 E17 14BBCB1 Tom	--	6,440	39°14'25"	120°03'55"	Do.
198	391552120045101	90 N16 E17 15CCAA1 Carnelian	--	6,310	39°13'53"	120°04'51"	Do.



Base modified from U.S. Geological Survey digital data, 1:24,000, 1969–89
Universal Transverse Mercator projection, Zone 11. Shaded relief from 1:24,000-scale Digital Elevation Model; sun illumination from northwest at 30 degrees above horizon

Figure 2. Hydrologic basins and hydrologic-monitoring sites of Lake Tahoe Basin, California and Nevada.

HYDROLOGIC BASINS AND HYDROLOGIC-MONITORING SITES OF LAKE TAHOE BASIN, CALIFORNIA AND NEVADA

By
Kenn D. Cartier, Lorri A. Peltz, and Kati Long
1995