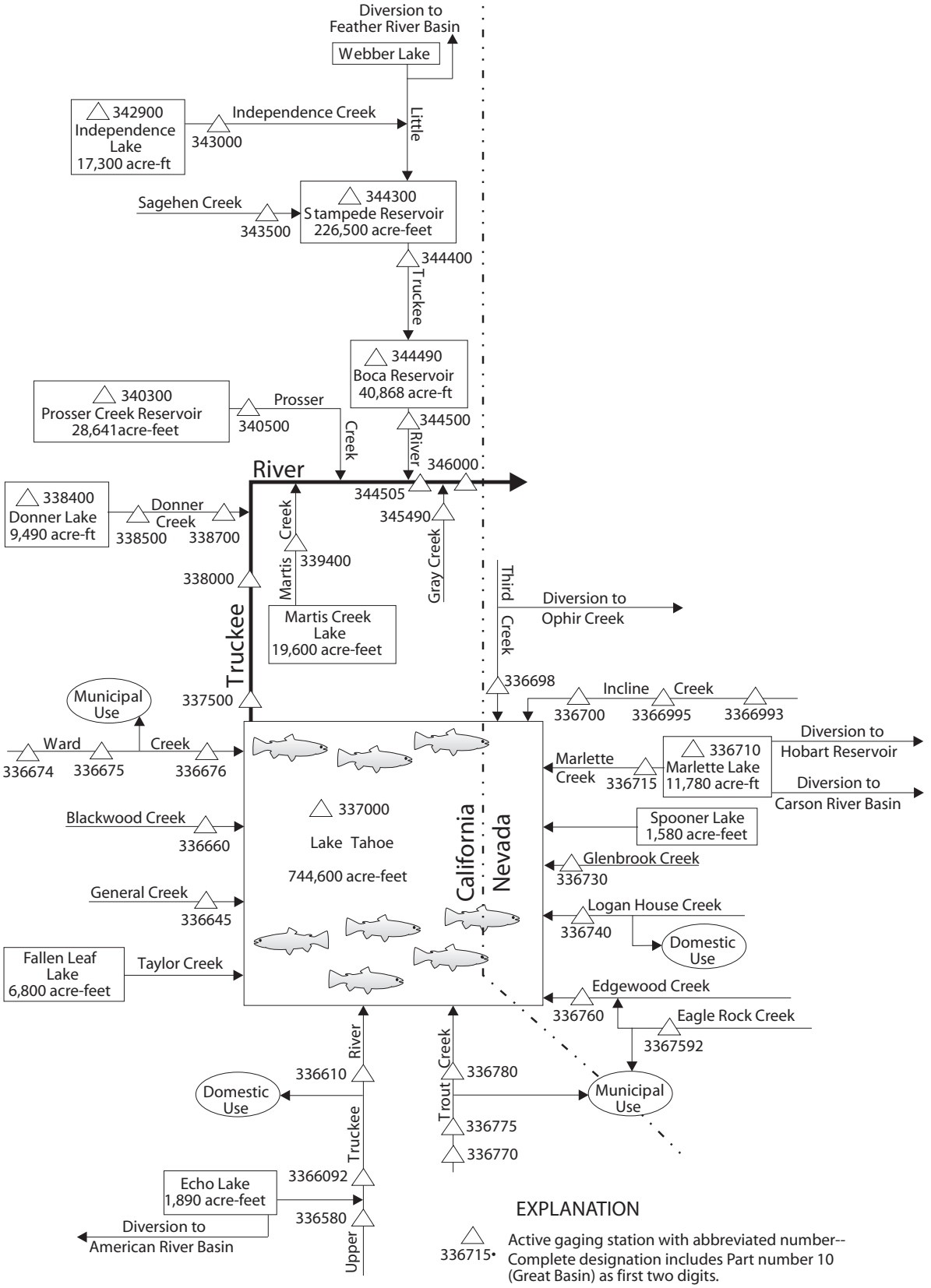

Figure 25. Schematic diagram of flow system and gaging stations in the Pyramid and Winnemucca Lakes basin upstream of station 346000.

10336500 PYRAMID LAKE NEAR NIXON, NV

LOCATION.--Lat 39°59'05", long 119°30'00", in NE $^1/_4$ NW $^1/_4$ sec.3 T.24 N., R.22 E., Washoe County, Hydrologic Unit 16050103, in Pyramid Lake Indian Reservation, 0.25 mi north of the Pyramid, 1.6 mi northeast of Anaho Island, and 13 mi northwest of Nixon.

DRAINAGE AREA.--2,720 mi^2.

PERIOD OF RECORD.--1867-1925 (occasional elevations in some years), June 1926 to current year (occasional elevations in each year).

REVISED RECORDS.--WSP 880: 1934-38 (bench mark). WSP 1090: 1926 (M). WDR NV-67-1: 1966.

GAGE.--Nonrecording gage. Datum of gage is 3,940.29 ft, above NGVD of 1929 (U.S. Coast and Geodetic Survey Bench Mark N-21), supplementary adjustment of 1956. Prior to January 1934, elevations were determined from Bench Mark No. 1 of General Lake Office using elevation of 3,882.26 ft, adjustment of 1912; to convert these records to present datum, add 0.81 ft. January 1934 to September 1955, elevations were determined from Bench Mark N-21 using elevations of 3,940.04 ft, datum of 1929; to convert these records to present datum, add 0.25 ft. October 1955 to August 1968, nonrecording gages along southwest lake shore at present datum, September 1986 to current year, nonrecording gage along east lake shore near the Pyramid.

REMARKS.--Truckee Canal diverts water out of the basin to Lahontan Reservoir (station 10312100). Elevations are given to the nearest 0.1 ft and contents to four significant figures to reflect trends of change. Any single observation, however, may be affected by wind and seiche movements on the lake surface. Elevations published in WSP 1314 for 1867 and 1871 (3,875.9 and 3,884.9 ft, respectively) have been revised to 3,867 and 3,876 ft, respectively, on the basis the data and conclusions of Hardman and Venstrom (American Geophysical Union Transactions, 1941, p. 71-90), and Harding (University of California Archives Report 16, 1965). See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 3,877.9 ft, in 1891; minimum observed, 3,783.9 ft, February 6, and March 6, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 23,310,000 acre-ft, October 2, elevation 3,814.0 ft; minimum contents observed, 23,008,000 acre-ft, September 30, elevation, 3,811.4 ft.

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND TOTAL CONTENTS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30	3814.0	23,310,000	--
October 31	3813.5	23,255,000	-55,000
November 30	3813.4	23,244,000	-11,000
December 31	3813.2	23,222,000	-22,000
CALENDAR YEAR 2001	--	--	-366,000
January 31	3813.2	23,222,000	0
February 29	3813.1	23,211,000	-11,000
March 31	3813.1	23,211,000	0
April 30	3813.2	23,222,000	+11,000
May 31	3813.1	23,211,000	-11,000
June 30	3812.9	23,188,000	-23,000
July 31	3812.5	23,140,000	-48,000
August 31	3812.0	23,080,000	-60,000
September 30	3811.4	23,008,000	-72,000
WATER YEAR 2002	--	--	-302,000

NOTE.--Monthend elevations are interpolated from readings made during the year.

PYRAMID AND WINNEMUCCA LAKES BASIN

10336580 UPPER TRUCKEE RIVER AT SOUTH UPPER TRUCKEE ROAD NEAR MEYERS, CA

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 38°47'47", long 120°01'05", in NW $^1/_4$ SW $^1/_4$ sec.17, T.11 N., R.18 E., El Dorado County, Hydrologic Unit 16050101, on left bank, 0.25 mi upstream from bridge, 0.5 mi upstream of confluence of Big Meadow and Grass Lake Creeks, 0.5 mi west of State Highway 89, and 4.0 mi south of Meyers, California.

DRAINAGE AREA.--14.1 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,490 ft aboveNGVD of 1929, from topographic map. Prior to October 1, 1991, at site 1,200 ft downstream at datum 2.54 higher.

REMARKS.--No estimated daily discharges. Records fair. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,010 ft^3/s, January 2, 1997, gage height, 11.31 ft; minimum daily, 0.76 ft^3/s, September 1, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharges of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
April 14	1730	247	7.44	May 30	2000	*325	*7.89
May 18	1915	256	7.50				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	2.9	5.9	12	7.7	16	43	46	195	24	4.8	1.8
2	1.6	2.9	7.6	13	7.3	14	53	48	158	23	4.5	1.7
3	1.6	2.8	18	15	6.9	13	77	67	142	20	4.3	1.7
4	1.6	2.8	10	12	6.9	14	101	94	143	18	4.2	1.7
5	1.6	2.5	6.9	12	6.7	13	93	118	152	17	4.1	1.7
6	1.5	3.0	6.2	43	6.4	16	75	132	144	16	4.0	1.9
7	1.5	3.5	5.5	34	6.4	18	72	144	133	16	3.9	2.0
8	1.6	3.6	5.3	24	7.0	16	82	131	116	13	3.7	1.9
9	1.5	3.4	5.5	20	6.2	12	92	122	91	13	3.5	1.7
10	1.5	2.9	5.4	17	6.0	12	89	108	78	12	3.3	1.6
11	1.5	3.1	5.2	15	6.2	12	100	94	77	12	3.2	1.7
12	1.4	3.6	5.0	15	6.4	13	110	110	79	12	3.0	1.4
13	1.5	3.7	4.9	14	6.5	12	118	130	87	13	2.7	1.5
14	1.5	3.2	5.8	14	6.5	12	166	150	83	11	2.6	1.5
15	1.3	2.7	5.4	13	6.4	12	120	158	75	9.8	2.5	1.4
16	1.4	3.0	5.0	12	6.5	12	75	159	69	9.0	2.5	1.4
17	1.3	2.6	5.4	12	7.1	12	62	181	65	8.8	2.3	1.4
18	1.3	2.6	5.4	11	7.4	11	50	203	65	9.2	2.3	1.4
19	1.2	2.4	5.3	11	9.7	11	45	172	63	9.4	2.2	1.4
20	1.2	2.4	5.6	10	18	11	41	129	61	8.5	2.2	1.4
21	1.2	17	5.6	9.9	16	13	42	94	55	7.8	2.2	1.3
22	1.4	29	5.6	9.5	17	14	47	78	49	7.1	2.2	1.3
23	1.7	9.4	5.9	9.0	19	15	57	72	45	6.7	2.2	1.3
24	1.7	20	5.7	8.7	16	14	71	82	42	6.2	2.1	1.3
25	1.8	13	5.6	8.5	14	12	93	105	40	6.1	2.1	1.3
26	1.7	8.6	5.9	8.4	14	12	99	123	39	5.9	2.1	1.3
27	1.7	7.1	6.2	8.6	15	13	77	131	35	5.7	2.1	1.4
28	1.5	6.6	6.6	8.0	15	16	63	138	31	5.5	2.0	1.3
29	1.6	6.4	8.2	8.1	---	20	63	165	29	5.2	2.0	1.3
30	3.4	6.1	10	8.0	---	29	53	202	27	5.0	1.9	1.4
31	3.3	---	15	8.0	---	36	---	208	---	4.9	1.9	---
TOTAL	50.2	182.8	209.6	423.7	274.2	456	2329	3894	2468	340.8	88.6	45.4
MEAN	1.62	6.09	6.76	13.7	9.79	14.7	77.6	126	82.3	11.0	2.86	1.51
MAX	3.4	29	18	43	19	36	166	208	195	24	4.8	2.0
MIN	1.2	2.4	4.9	8.0	6.0	11	41	46	27	4.9	1.9	1.3
AC-FT	100	363	416	840	544	904	4620	7720	4900	676	176	90

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2002, BY WATER YEAR (WY)

MEAN	3.17	5.91	8.75	17.1	11.8	20.4	53.2	135	118	45.0	9.19	3.56
MAX	5.72	20.7	37.4	120	39.2	41.3	102	216	329	220	45.9	10.4
(WY)	1999	1997	1997	1997	1996	1995	1997	1996	1995	1995	1995	1998
MIN	1.62	2.13	1.69	1.57	2.95	6.64	15.1	51.2	12.1	3.40	1.64	1.30
(WY)	2002	1991	1991	1991	2001	1991	1991	1992	1992	1994	1994	1991

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1990 - 2002	
ANNUAL TOTAL	6132.8		10762.3			
ANNUAL MEAN	16.8		29.5		36.9	
HIGHEST ANNUAL MEAN					72.3	1995
LOWEST ANNUAL MEAN					14.1	1994
HIGHEST DAILY MEAN	181	May 15	208	May 31	1130	Jan 2 1997
LOWEST DAILY MEAN	1.2	Oct 19	1.2	Oct 19	0.76	Sep 1 1990
ANNUAL SEVEN-DAY MINIMUM	1.3	Oct 15	1.3	Oct 15	0.97	Aug 29 1990
MAXIMUM PEAK FLOW			325	May 30	2010	Jan 2 1997
MAXIMUM PEAK STAGE			7.89	May 30	11.31	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	12160		21350		26720	
10 PERCENT EXCEEDS	45		99		118	
50 PERCENT EXCEEDS	3.3		8.8		8.0	
90 PERCENT EXCEEDS	1.6		1.6		2.1	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: September 1997 to current year.

INSTRUMENTATION.--Water temperature recorder since September 1997 to current year, two times per hour.

REMARKS.--In November 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Water temperature records represent water temperature at probe within 0.5°C. Interruptions in record due to loss of communication between stream and sensor. Water temperature data for September 1997 are unpublished but are available from U.S. Geological Survey, Carson City, NV.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum recorded, 17.0°C, July 2, 3, 2001, July 14, 2002; minimum, freezing point on many days.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum recorded, 17.0°C, July 14; minimum, freezing point, many days January to April.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT									
03...	1510	1.8	--	--	--	--	56	22.5	10.4
NOV									
06...	1230	3.1	--	--	--	--	54	13.5	5.3
DEC									
07...	1315	6.3	604	10.7	95	7.0	38	2.5	.8
JAN									
08...	1405	2.4	--	--	--	--	27	5.5	2.5
FEB									
05...	1350	7.3	--	--	--	--	36	4.5	.3
MAR									
05...	1310	12	603	11.1	101	--	21	12.5	1.9
28...	1735	16	--	--	--	--	26	6.0	2.7
APR									
02...	1515	45	--	--	--	--	22	11.5	4.0
12...	1750	125	--	--	--	--	18	8.0	4.4
25...	1425	77	--	--	--	--	21	14.5	5.4
MAY									
09...	1635	113	--	--	--	--	22	10.0	6.2
15...	1715	157	--	--	--	--	20	14.5	6.8
17...	1025	146	--	--	--	--	21	19.0	4.7
28...	1400	104	--	--	--	--	22	20.5	9.0
31...	1110	160	--	--	--	--	20	26.0	6.9
JUN									
04...	1525	128	601	8.6	100	6.3	20	23.5	11.2
JUL									
03...	1445	20	--	--	--	--	28	23.5	14.2
AUG									
12...	1715	2.6	604	8.1	101	--	43	22.5	14.5
SEP									
12...	1525	1.7	--	--	--	--	54	22.0	9.6

10336580 UPPER TRUCKEE RIVER AT SOUTH UPPER TRUCKEE ROAD NEAR MEYERS, CA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT								
03...	.003	.16	.002	.025	.013	98	1	<.01
NOV								
06...	<.003	.10	.003	.019	.013	113	3	.03
DEC								
07...	.003	.29	.008	.012	.006	121	1	.02
JAN								
08...	.004	.20	.007	.015	.003	88	2	.01
FEB								
05...	<.003	.13	.018	.013	.005	98	1	.02
MAR								
05...	.004	.18	.024	.010	.004	93	1	.03
28...	.003	.13	.007	.009	.004	149	2	.09
APR								
02...	.003	.21	.006	.011	.003	107	3	.36
12...	<.003	.22	.007	.014	.003	420	6	2.0
25...	<.003	.21	.007	.013	.003	80	2	.42
MAY								
09...	<.003	.26	.009	.015	.004	135	4	1.2
15...	<.003	.16	.006	.022	.005	175	5	2.1
17...	<.003	.17	.012	.025	.005	161	6	2.4
28...	<.003	.20	.009	.018	.005	262	3	.84
31...	<.003	.06	.011	.041	.005	212	12	5.2
JUN								
04...	<.003	.13	.003	.018	.006	101	6	2.1
JUL								
03...	<.003	.12	.004	.025	.011	72	2	.11
AUG								
12...	.003	.26	.017	.031	.020	65	1	.01
SEP								
12...	.003	.05	.017	.029	.021	63	1	<.01

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	10.5	8.5	9.5	5.5	4.5	4.5	0.5	0.5	0.5	2.0	1.5	2.0
2	10.5	8.5	9.5	5.5	4.0	4.5	0.5	0.5	0.5	2.0	1.5	2.0
3	10.5	8.5	9.5	5.0	4.0	4.5	0.5	0.5	0.5	1.5	1.0	1.5
4	10.5	8.5	9.5	5.0	4.0	4.5	0.5	0.5	0.5	1.0	0.5	1.0
5	10.0	8.0	9.0	5.5	4.0	4.5	0.5	0.5	0.5	2.0	0.5	1.5
6	10.0	8.0	9.0	5.0	4.0	4.5	0.5	0.5	0.5	1.5	0.5	1.0
7	9.5	8.0	8.5	4.5	3.5	4.0	0.5	0.5	0.5	2.0	1.0	1.5
8	9.5	8.0	8.5	4.5	3.0	3.5	1.0	0.5	0.5	2.5	1.5	2.0
9	8.5	6.5	7.5	4.0	3.0	3.0	1.0	0.5	1.0	2.0	1.0	1.5
10	7.5	5.5	6.5	3.5	2.5	3.0	1.0	0.5	1.0	1.5	1.0	1.5
11	7.5	6.0	6.5	4.5	3.5	4.0	1.0	0.5	1.0	1.5	0.5	1.0
12	8.0	6.0	7.0	4.5	3.5	4.0	1.0	0.5	1.0	2.0	1.0	1.5
13	7.5	5.5	6.5	3.5	3.0	3.5	1.5	0.5	1.0	1.0	0.5	0.5
14	7.5	5.5	6.5	3.5	3.0	3.5	1.0	0.5	0.5	1.0	0.5	0.5
15	8.0	6.0	7.0	4.0	3.0	3.5	0.5	0.5	0.5	0.5	0.0	0.0
16	8.0	6.5	7.0	4.0	3.5	3.5	1.0	0.5	1.0	0.5	0.0	0.0
17	8.0	6.0	7.0	4.0	3.0	3.5	1.0	0.5	1.0	0.5	0.0	0.0
18	8.0	6.0	7.0	3.5	2.5	3.0	1.0	0.5	1.0	0.5	0.0	0.0
19	7.5	6.0	6.5	3.0	2.0	2.5	1.0	0.5	1.0	0.5	0.0	0.0
20	7.5	6.0	7.0	3.5	3.0	3.0	1.0	0.5	1.0	0.5	0.0	0.5
21	7.5	6.0	6.5	4.0	3.0	3.5	1.0	0.5	1.0	0.5	0.5	0.5
22	7.0	5.5	6.0	3.0	1.0	2.0	1.0	1.0	1.0	0.5	0.0	0.0
23	7.0	6.0	6.0	1.5	0.5	1.0	1.5	0.5	1.0	0.0	0.0	0.0
24	6.5	5.0	6.0	2.0	0.5	1.0	1.0	0.5	0.5	0.0	0.0	0.0
25	6.5	5.0	5.5	0.5	0.5	0.5	1.5	0.5	1.0	0.5	0.0	0.5
26	6.5	5.0	5.5	0.5	0.5	0.5	1.5	1.0	1.5	0.5	0.0	0.5
27	6.5	5.5	6.0	0.5	0.5	0.5	2.0	1.5	1.5	0.5	0.0	0.5
28	6.5	5.5	6.0	0.5	0.5	0.5	1.5	1.5	1.5	0.5	0.0	0.0
29	6.5	5.5	6.0	0.5	0.5	0.5	2.0	1.0	1.5	0.0	0.0	0.0
30	6.5	6.0	6.5	0.5	0.5	0.5	2.0	1.0	1.5	0.0	0.0	0.0
31	6.0	5.0	5.5	---	---	---	1.5	1.0	1.5	0.0	0.0	0.0
MONTH	10.5	5.0	7.1	5.5	0.5	2.8	2.0	0.5	0.9	2.5	0.0	0.7

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	1.0	0.0	0.5	4.0	1.0	2.0	4.5	0.5	2.5
2	0.0	0.0	0.0	1.0	0.0	0.5	4.0	1.0	2.0	6.5	1.5	3.5
3	0.0	0.0	0.0	1.0	0.0	0.5	4.0	1.0	2.0	7.0	2.0	4.0
4	0.0	0.0	0.0	1.5	0.0	1.0	4.0	1.0	2.0	7.0	2.0	3.5
5	0.5	0.0	0.0	2.0	0.5	1.5	4.5	1.5	2.5	6.5	1.5	3.5
6	0.5	0.0	0.0	1.5	0.0	1.0	4.5	1.0	2.5	7.0	1.5	3.5
7	0.5	0.0	0.0	0.5	0.0	0.0	4.5	1.5	2.5	6.5	2.0	3.5
8	0.5	0.0	0.0	0.5	0.0	0.0	5.0	1.5	3.0	6.5	1.5	3.0
9	0.5	0.0	0.0	0.5	0.0	0.5	4.5	1.5	2.5	6.5	1.5	3.5
10	0.5	0.0	0.0	1.0	0.0	0.5	5.0	2.0	3.0	5.0	2.0	3.0
11	0.5	0.5	0.5	2.0	0.0	1.0	4.5	2.0	3.0	7.0	2.0	4.0
12	0.5	0.5	0.5	2.0	0.5	1.5	5.0	1.5	3.0	7.0	2.0	4.0
13	1.0	0.5	0.5	1.0	0.0	0.5	5.5	1.5	3.0	7.5	2.5	4.5
14	1.0	0.5	1.0	1.0	0.0	0.5	5.0	2.0	3.0	7.5	2.5	4.5
15	1.5	0.5	1.0	0.0	0.0	0.0	3.0	1.0	1.5	7.5	2.5	4.5
16	1.5	0.5	1.0	0.0	0.0	0.0	2.5	0.5	1.0	8.0	2.5	4.5
17	0.5	0.0	0.5	0.0	0.0	0.0	1.0	0.0	0.5	8.5	3.0	5.0
18	1.0	0.5	0.5	0.5	0.0	0.0	1.5	0.0	0.5	8.0	3.0	5.0
19	1.0	0.5	0.5	1.0	0.0	0.5	3.0	0.5	1.5	7.0	3.5	4.5
20	1.0	0.5	0.5	1.5	0.5	1.0	3.5	0.5	1.5	3.5	1.5	2.5
21	1.5	0.5	1.0	2.0	0.5	1.0	5.0	0.5	2.5	5.0	1.5	3.0
22	2.0	0.5	1.0	2.5	0.5	1.5	6.0	1.0	3.0	7.0	1.0	4.0
23	1.5	1.0	1.5	1.5	0.0	0.5	6.0	1.0	3.0	8.0	2.5	5.0
24	1.5	0.0	1.0	2.0	0.5	1.0	6.0	1.5	3.5	9.0	3.0	5.5
25	2.0	0.0	1.0	2.0	0.0	1.0	5.5	2.0	3.5	8.5	3.5	6.0
26	2.0	0.0	1.0	3.0	0.5	1.5	3.5	2.0	2.5	9.0	3.5	6.0
27	2.0	0.5	1.5	3.5	0.5	2.0	4.5	1.5	2.5	8.5	4.0	6.0
28	2.0	0.0	1.0	3.5	1.0	2.0	4.5	0.5	2.5	10.5	4.0	6.5
29	---	---	---	4.0	1.0	2.0	2.5	1.0	2.0	11.0	4.5	7.0
30	---	---	---	3.5	1.0	2.0	4.5	1.0	2.0	11.0	5.0	7.0
31	---	---	---	3.5	1.0	2.0	---	---	---	11.0	4.5	7.5
MONTH	2.0	0.0	0.6	4.0	0.0	0.9	6.0	0.0	2.3	11.0	0.5	4.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.0	5.5	7.0	15.0	10.0	13.0	16.0	11.0	13.5	---	---	---
2	10.0	3.5	6.5	15.0	10.5	13.0	16.5	11.5	13.5	---	---	---
3	10.5	5.0	7.5	14.5	10.0	12.0	15.5	11.0	13.0	---	---	---
4	11.5	5.5	8.0	14.5	9.0	12.0	14.5	10.5	12.0	---	---	---
5	12.0	6.0	8.5	14.5	9.5	12.0	---	---	---	---	---	---
6	12.0	5.5	8.5	14.5	9.5	12.0	---	---	---	---	---	---
7	11.5	5.5	8.0	15.0	10.5	13.0	---	---	---	---	---	---
8	10.5	5.5	7.5	14.5	9.5	12.0	---	---	---	---	---	---
9	8.5	3.5	6.0	15.5	10.0	13.0	---	---	---	---	---	---
10	10.0	4.5	7.0	16.5	11.0	14.0	---	---	---	---	---	---
11	11.0	5.0	8.0	16.0	12.0	14.0	---	---	---	---	---	---
12	12.0	6.0	9.0	15.5	12.5	14.0	---	---	---	---	---	---
13	12.5	7.0	9.5	16.5	12.0	14.0	---	---	---	10.5	8.5	9.5
14	12.0	6.0	9.0	17.0	12.5	14.5	---	---	---	10.5	8.5	9.5
15	12.0	5.5	9.0	16.0	12.0	14.0	---	---	---	11.5	9.0	10.0
16	12.0	6.0	9.0	16.0	11.5	13.5	---	---	---	10.5	8.5	9.5
17	12.5	7.0	9.5	14.0	11.5	13.0	---	---	---	9.5	8.0	8.5
18	13.0	8.0	10.5	12.5	10.5	11.5	---	---	---	10.0	8.0	8.5
19	12.5	7.5	10.0	14.5	9.5	12.0	---	---	---	9.5	7.5	8.5
20	13.0	8.0	10.5	14.0	11.0	13.0	---	---	---	10.0	8.0	9.0
21	12.5	8.0	10.0	15.0	11.5	13.0	---	---	---	10.0	8.0	9.0
22	12.5	7.0	10.0	15.0	10.5	12.5	---	---	---	10.5	8.5	9.0
23	13.5	8.5	11.0	14.0	9.5	12.0	---	---	---	10.5	8.5	9.5
24	13.0	7.5	10.5	15.0	10.0	12.5	---	---	---	10.5	8.5	9.5
25	14.0	9.0	12.0	14.5	9.5	12.0	---	---	---	10.0	8.0	9.0
26	14.0	10.0	12.5	14.0	9.0	11.5	---	---	---	9.5	8.0	8.5
27	14.0	9.0	11.5	15.5	10.5	12.5	---	---	---	9.5	8.0	8.5
28	13.5	9.0	11.5	15.5	11.0	13.0	---	---	---	9.5	8.0	8.5
29	14.0	9.5	11.5	15.5	10.5	13.0	---	---	---	8.5	7.0	7.5
30	14.5	9.0	12.0	16.0	11.0	13.5	---	---	---	8.0	6.0	7.0
31	---	---	---	16.5	11.5	13.5	---	---	---	---	---	---
MONTH	14.5	3.5	9.4	17.0	9.0	12.9	---	---	---	---	---	---

Remark Codes Used in This report:
  < -- Less than

PYRAMID AND WINNEMUCCA LAKES BASIN

103366092 UPPER TRUCKEE RIVER AT HIGHWAY 50 ABOVE MEYERS, CA

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 38°50'55", long 120°01'34", in NE $^1/_4$ NE $^1/_4$ sec.31, T.12 N., R.18 E., El Dorado County, Hydrologic Unit 16050101, on left bank, 500 ft downstream of U.S. Highway 50 bridge, 1 mi southwest of Meyers, and 7.5 mi upstream of Lake Tahoe.

DRAINAGE AREA.--39.3 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,310 ft above NGVD of 1929, from topographic map. June 1990 to September 5, 1997 at present site, datum 3.00 ft higher.

REMARKS.--Records fair except October 1 through November 22 and estimated daily discharges, which are poor. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,120 ft^3/s, January 2, 1997, gage height, 8.95 ft; minimum daily, 1.2 ft^3/s, December 22, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 3	0345	372	6.33	May 18	2245	*486	*6.63
April 14	1930	483	6.62	May 31	2245	416	6.43

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	1.7	26	33	19	41	79	108	331	51	10	4.6
2	2.7	1.6	e44	36	18	39	96	104	282	47	9.8	4.5
3	2.3	2.2	e39	41	17	37	126	115	236	42	9.7	4.4
4	2.4	3.7	36	34	16	37	170	147	230	37	9.4	4.4
5	2.4	3.4	32	33	16	37	176	176	244	35	8.9	4.5
6	2.8	3.9	31	68	15	45	151	202	242	32	8.7	4.7
7	3.0	5.3	29	66	16	53	145	227	220	30	8.6	4.8
8	3.5	5.3	25	53	18	45	163	220	197	29	8.4	5.0
9	3.7	5.4	24	47	16	41	193	197	159	27	8.4	4.8
10	3.3	5.3	23	43	16	40	194	177	127	26	7.9	4.6
11	3.2	5.7	22	39	18	39	210	158	111	25	7.7	6.4
12	3.0	7.0	21	37	21	41	231	180	105	25	7.6	10
13	3.1	7.7	21	33	22	41	237	215	106	26	7.4	10
14	3.1	6.7	32	29	23	39	317	242	107	24	7.2	11
15	3.1	6.6	22	25	24	39	279	245	113	23	6.9	10
16	3.1	7.1	22	23	25	40	186	258	127	21	6.6	13
17	3.2	7.0	24	23	26	38	154	308	126	21	6.5	13
18	3.4	6.5	23	23	25	36	131	378	123	23	6.4	14
19	3.2	6.6	22	22	33	35	114	349	120	25	6.2	14
20	3.3	6.8	23	22	51	36	104	274	111	21	5.6	13
21	3.0	17	22	21	48	37	100	204	103	20	5.5	12
22	3.2	59	23	21	47	40	104	148	95	18	5.4	12
23	3.6	33	23	20	49	43	115	116	87	15	5.4	12
24	3.3	49	22	20	45	41	129	119	78	14	5.3	15
25	3.0	44	22	20	43	40	156	140	70	14	5.2	15
26	3.3	33	22	20	42	39	180	163	67	13	4.9	13
27	3.6	29	23	21	42	40	154	177	64	13	4.9	12
28	4.2	27	24	21	41	42	133	189	61	12	4.8	13
29	4.7	28	27	21	---	48	132	242	57	12	4.8	12
30	5.6	26	30	17	---	57	120	293	54	11	4.7	11
31	2.4	---	39	20	---	68	---	310	---	11	4.7	---
TOTAL	100.9	450.5	818	952	792	1294	4779	6381	4153	743	213.5	287.7
MEAN	3.25	15.0	26.4	30.7	28.3	41.7	159	206	138	24.0	6.89	9.59
MAX	5.6	59	44	68	51	68	317	378	331	51	10	15
MIN	2.3	1.6	21	17	15	35	79	104	54	11	4.7	4.4
AC-FT	200	894	1620	1890	1570	2570	9480	12660	8240	1470	423	571

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2002, BY WATER YEAR (WY)

MEAN	9.34	16.8	22.0	49.8	38.4	62.7	121	279	232	85.3	17.8	11.1
MAX	22.6	78.5	96.4	328	125	132	206	569	709	452	78.6	37.5
(WY)	1996	1997	1997	1997	1996	1995	1997	1993	1995	1995	1995	1995
MIN	3.25	3.33	3.15	4.37	6.69	28.2	47.2	85.0	20.4	4.81	2.28	2.50
(WY)	2002	1991	1991	1991	1991	1994	1991	1992	1992	1994	1994	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1990 - 2002	
ANNUAL TOTAL	10957.6		20964.6			
ANNUAL MEAN	30.0		57.4		80.6	
HIGHEST ANNUAL MEAN					169	1995
LOWEST ANNUAL MEAN					26.1	1994
HIGHEST DAILY MEAN	230	May 16	378	May 18	2000	Jan 2 1997
LOWEST DAILY MEAN	1.6	Nov 2	1.6	Nov 2	1.2	Dec 22 1990
ANNUAL SEVEN-DAY MINIMUM	2.7	Oct 1	2.7	Oct 1	1.8	Dec 20 1990
MAXIMUM PEAK FLOW			486	May 18	5120	Jan 2 1997
MAXIMUM PEAK STAGE			6.63	May 18	8.95	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	21730		41580		58390	
10 PERCENT EXCEEDS	83		177		227	
50 PERCENT EXCEEDS	11		25		24	
90 PERCENT EXCEEDS	3.2		4.4		4.9	

e Estimated

PERIOD OF RECORD.--Water years 1990 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: September 1997 to current year.

INSTRUMENTATION.--Water temperature recorder since September 1997, two times per hour.

REMARKS.--In November 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Water temperature records represent water temperature at probe within 0.5°C. Interruptions in record due to instrument malfunction. Water temperature data for September 1997 were not published but are available from the U.S. Geological Survey, Carson City, NV.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 20.5°C, July 31, August 6, 2000; minimum, freezing point on many days.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 21.0°C, July 14, but presumably higher during instrument malfunction; minimum, freezing point, many days from December to March.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT									
03...	1410	2.0	--	--	--	--	109	23.0	15.1
NOV									
06...	1130	3.7	--	--	--	--	94	--	6.3
DEC									
07...	1050	28	608	--	--	7.2	41	.0	1.3
JAN									
08...	1150	53	--	--	--	--	40	8.0	2.5
FEB									
05...	1125	19	--	--	--	--	73	7.5	.4
20...	1335	51	--	--	--	--	57	10.0	3.1
MAR									
05...	1105	36	610	11.2	102	7.4	44	8.0	2.4
28...	1600	42	--	--	--	--	64	19.0	6.3
APR									
02...	1235	84	--	--	--	--	41	16.0	5.5
12...	1615	206	--	--	--	--	32	9.5	6.5
25...	1250	141	--	--	--	--	30	15.0	5.8
MAY									
09...	1510	159	--	--	--	--	27	12.0	7.7
15...	1545	204	--	--	--	--	27	17.0	8.5
17...	0915	247	--	--	--	--	25	15.5	5.0
28...	1245	153	--	--	--	--	29	21.0	8.4
31...	0940	260	--	--	--	--	23	23.5	7.4
JUN									
04...	1340	199	606	8.8	104	7.2	23	24.5	12.4
JUL									
03...	1320	43	--	--	--	--	39	23.0	16.8
AUG									
12...	1435	7.5	608	8.7	118	6.9	96	27.5	19.0
SEP									
12...	1420	9.1	--	--	--	--	49	24.0	15.2

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT								
03...	.003	.19	.006	.015	.004	147	2	.01
NOV								
06...	.004	.08	.008	.009	.004	165	<1	<.01
DEC								
07...	<.003	.11	.008	.006	.001	96	5	.38
JAN								
08...	.004	.24	.008	.010	.001	91	2	.29
FEB								
05...	<.003	.17	.015	.010	.003	155	<1	<.05
20...	<.003	.16	.008	.010	.003	148	2	.28
MAR								
05...	.004	.23	.010	.015	.002	140	<1	<.10
28...	.003	.14	.010	.009	.001	160	3	.34
APR								
02...	<.003	.21	.012	.013	.001	193	5	1.1
12...	.003	.17	.009	.012	.002	185	4	2.2
25...	<.003	.24	.010	.013	.002	150	3	1.1
MAY								
09...	<.003	.28	.008	.012	.002	194	3	1.3
15...	<.003	.15	.005	.017	.003	170	5	2.8
17...	<.003	.12	.011	.021	.004	269	7	4.7
28...	<.003	.16	.008	.016	.003	121	4	1.7
31...	<.003	.06	.011	.023	.004	322	16	11.2
JUN								
04...	.003	.18	.003	.013	.003	138	4	2.1
JUL								
03...	<.003	.14	.006	.021	.004	124	4	.46
AUG								
12...	.003	.14	.007	.015	.004	183	1	.02
SEP								
12...	.003	.14	.039	.010	.002	102	2	.05

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	2.5	1.5	2.0
2	---	---	---	---	---	---	---	---	---	2.5	1.5	2.0
3	---	---	---	---	---	---	---	---	---	2.0	1.0	1.5
4	---	---	---	---	---	---	---	---	---	1.5	0.0	1.0
5	---	---	---	---	---	---	---	---	---	2.5	1.0	1.5
6	---	---	---	---	---	---	---	---	---	2.5	1.0	2.0
7	---	---	---	---	---	---	---	---	---	3.0	1.0	2.0
8	---	---	---	---	---	---	---	---	---	3.0	1.5	2.5
9	---	---	---	---	---	---	---	---	---	2.5	1.0	2.0
10	---	---	---	---	---	---	---	---	---	2.5	1.0	1.5
11	---	---	---	---	---	---	---	---	---	2.5	0.5	1.5
12	---	---	---	---	---	---	---	---	---	2.5	1.5	2.0
13	---	---	---	---	---	---	---	---	---	1.5	0.0	1.0
14	---	---	---	---	---	---	---	---	---	1.5	0.5	1.0
15	---	---	---	---	---	---	0.5	0.0	0.0	1.0	0.0	0.5
16	---	---	---	---	---	---	0.5	0.0	0.0	0.5	0.0	0.5
17	---	---	---	---	---	---	0.5	0.0	0.0	0.5	0.0	0.5
18	---	---	---	---	---	---	0.5	0.0	0.5	0.5	0.0	0.5
19	---	---	---	---	---	---	1.0	0.5	0.5	0.5	0.0	0.5
20	---	---	---	---	---	---	0.5	0.0	0.5	0.5	0.5	0.5
21	---	---	---	---	---	---	0.5	0.0	0.5	1.0	0.0	0.5
22	---	---	---	---	---	---	0.5	0.0	0.5	0.5	0.0	0.5
23	---	---	---	---	---	---	1.0	0.0	0.5	0.0	0.0	0.0
24	---	---	---	---	---	---	0.5	0.0	0.0	0.5	0.0	0.5
25	---	---	---	---	---	---	0.5	0.0	0.5	1.0	0.0	0.5
26	---	---	---	---	---	---	1.5	0.5	1.0	1.0	0.0	0.5
27	---	---	---	---	---	---	2.0	1.0	1.5	0.5	0.0	0.5
28	---	---	---	---	---	---	2.0	1.5	1.5	0.5	0.0	0.0
29	---	---	---	---	---	---	2.5	1.5	2.0	0.0	0.0	0.0
30	---	---	---	---	---	---	2.5	1.5	2.0	0.0	0.0	0.0
31	---	---	---	---	---	---	2.5	1.5	2.0	0.5	0.0	0.0
MONTH	---	---	---	---	---	---	---	---	---	3.0	0.0	1.0

PYRAMID AND WINNEMUCCA LAKES BASIN

103366092 UPPER TRUCKEE RIVER AT HIGHWAY 50 ABOVE MEYERS, CA--Continued

WATER-QUALITY RECORDS

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.5	0.0	0.0	3.0	0.0	1.5	6.5	1.5	3.5	6.0	1.5	3.5
2	0.5	0.0	0.0	3.0	0.0	1.5	6.0	1.5	3.5	8.0	2.5	5.0
3	0.5	0.0	0.0	3.5	0.0	1.5	6.0	1.5	3.5	8.5	3.5	5.5
4	0.5	0.0	0.0	4.0	0.5	2.0	5.5	1.5	3.5	8.0	3.0	5.5
5	0.5	0.0	0.0	4.5	1.0	2.5	5.5	1.5	3.0	8.0	2.5	5.0
6	0.5	0.0	0.5	3.0	0.0	2.0	5.5	1.5	3.5	8.0	2.5	5.0
7	1.0	0.0	0.5	0.5	0.0	0.0	6.0	1.5	3.5	7.5	3.0	5.0
8	1.0	0.0	0.5	1.5	0.0	0.5	6.0	2.0	4.0	7.0	2.0	4.5
9	1.0	0.0	0.5	2.5	0.0	1.0	5.0	2.0	3.5	7.5	3.0	5.0
10	1.5	0.0	0.5	2.0	0.0	1.5	6.0	2.5	4.0	6.5	3.0	4.5
11	3.0	0.5	1.5	4.0	0.5	2.5	6.0	2.5	4.0	8.0	3.0	5.0
12	3.0	0.5	2.0	4.0	2.0	3.0	6.5	2.0	4.0	7.5	3.0	5.5
13	2.5	0.5	1.5	3.5	0.5	2.0	6.5	2.0	4.0	8.5	3.5	5.5
14	3.5	1.5	2.5	3.0	0.0	1.5	7.0	2.5	4.0	8.5	3.5	6.0
15	3.5	1.5	2.5	1.0	0.0	0.0	4.0	1.5	2.5	8.5	3.5	6.0
16	4.0	1.5	2.5	0.5	0.0	0.0	3.5	1.0	2.0	9.5	3.5	6.5
17	2.5	0.5	1.5	1.5	0.0	0.5	2.0	0.5	1.0	10.0	4.5	7.0
18	3.0	0.5	1.5	2.5	0.0	1.0	3.0	0.5	1.5	9.5	4.5	7.0
19	2.0	0.5	1.5	4.0	0.0	2.0	4.5	1.0	2.5	8.0	5.0	6.0
20	3.5	1.0	2.0	5.0	0.5	3.0	5.5	1.0	3.0	5.5	3.5	4.5
21	3.5	0.5	2.0	5.5	1.5	3.0	7.0	1.5	4.0	6.0	3.0	4.5
22	4.0	1.0	2.5	6.0	1.5	3.5	7.5	2.0	4.5	8.0	3.0	5.5
23	3.5	1.5	2.5	3.0	0.0	1.5	7.5	2.5	5.0	9.5	4.0	6.5
24	3.5	0.5	2.0	4.0	1.0	2.5	7.5	2.5	5.0	10.5	4.5	7.5
25	3.5	0.5	2.0	5.0	0.5	2.5	7.0	3.0	5.0	10.0	5.0	7.5
26	4.0	0.5	2.0	6.0	1.5	3.5	5.0	3.0	4.0	10.5	4.5	7.5
27	4.0	1.0	2.5	6.0	1.5	3.5	6.0	2.5	4.0	9.0	5.0	7.5
28	4.0	0.5	2.0	6.5	1.5	4.0	4.5	1.5	3.0	11.0	5.0	8.0
29	---	---	---	7.0	2.0	4.0	3.5	1.0	2.5	12.0	5.5	8.5
30	---	---	---	6.5	1.5	4.0	5.5	1.5	3.5	12.0	6.5	9.0
31	---	---	---	6.5	1.5	3.5	---	---	---	12.5	6.5	9.5
MONTH	4.0	0.0	1.4	7.0	0.0	2.1	7.5	0.5	3.5	12.5	1.5	6.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.0	8.5	9.5	18.5	12.5	15.5	---	---	---	---	---	---
2	11.0	6.5	9.0	18.5	13.0	15.5	---	---	---	---	---	---
3	12.0	8.0	10.0	18.0	12.5	15.0	---	---	---	---	---	---
4	13.0	8.5	11.0	18.0	11.5	14.5	---	---	---	---	---	---
5	14.0	9.5	11.5	18.0	11.5	14.5	---	---	---	---	---	---
6	14.0	9.0	11.5	17.5	12.0	14.5	---	---	---	---	---	---
7	13.5	9.5	11.5	19.0	12.5	15.5	---	---	---	---	---	---
8	12.5	9.0	11.0	18.5	12.0	15.0	---	---	---	---	---	---
9	11.0	7.0	9.0	19.5	12.0	15.5	---	---	---	---	---	---
10	12.0	7.5	9.5	20.5	13.0	16.5	---	---	---	18.0	0.5	8.5
11	13.0	7.5	10.0	19.5	14.0	16.5	---	---	---	18.5	1.5	10.0
12	14.0	8.5	11.0	17.5	14.5	16.0	---	---	---	16.0	5.5	11.0
13	14.5	9.0	11.5	20.0	13.5	16.0	---	---	---	15.5	10.5	13.0
14	14.0	8.5	11.0	21.0	14.5	17.0	---	---	---	15.5	11.0	13.0
15	14.0	8.5	11.5	20.5	14.0	17.0	---	---	---	15.5	11.5	13.0
16	14.5	9.5	12.0	20.0	14.0	16.5	---	---	---	14.0	10.5	12.0
17	15.0	10.5	12.5	18.5	12.5	15.0	---	---	---	14.5	11.0	12.5
18	15.5	11.0	13.0	14.0	12.0	13.0	---	---	---	14.0	10.0	12.0
19	15.0	11.0	13.0	18.5	12.0	15.0	---	---	---	14.5	10.0	12.0
20	16.0	11.5	13.5	19.0	13.0	15.5	---	---	---	15.0	10.0	12.0
21	15.5	11.5	13.5	18.0	13.5	15.5	---	---	---	15.0	10.5	12.5
22	15.5	11.0	13.0	---	---	---	---	---	---	15.0	10.5	12.5
23	16.5	12.0	14.0	---	---	---	---	---	---	15.0	10.5	12.5
24	16.5	11.0	13.5	---	---	---	---	---	---	15.0	10.5	12.5
25	17.5	12.0	14.5	---	---	---	---	---	---	14.5	10.5	12.5
26	17.5	12.5	15.0	---	---	---	---	---	---	14.0	10.0	12.0
27	17.5	12.0	14.5	---	---	---	---	---	---	13.5	10.5	11.5
28	17.5	12.0	14.5	---	---	---	---	---	---	12.0	10.0	11.0
29	17.5	12.0	14.5	---	---	---	---	---	---	12.5	8.5	10.5
30	18.0	12.0	15.0	---	---	---	---	---	---	12.0	8.0	9.5
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	18.0	6.5	12.2	---	---	---	---	---	---	---	---	---

PYRAMID AND WINNEMUCCA LAKES BASIN

10336610 UPPER TRUCKEE RIVER AT SOUTH LAKE TAHOE, CA

LOCATION.—Lat 38°55'21", long 119°59'26", in NW 1/4 SE 1/4 sec.4, T.12 N., R.18 E., El Dorado County, Hydrologic Unit 16050101, on left bank, 200 ft downstream from U.S. Highway 50 Bridge, 1.0 mi northeast of South Lake Tahoe Post Office, and 1.4 mi upstream from Lake Tahoe.

DRAINAGE AREA.—54.9 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1971 to September 1974, October 1976 to June 1977, October 1977 to June 1978, March 1980 to current year.

GAGE.—Water-stage recorder. Datum of gage is 6,229.04 ft above NGVD of 1929. Prior to April 26, 1984, at datum 2.00 ft higher. Prior to October 19, 1993, at site 200 ft upstream at same datum.

REMARKS.—Records fair except for estimated daily discharges, which are poor. Two small dams may cause slight regulation at times. Some small diversions for domestic use upstream from station. Echo Lake conduit (station 11434500) diverts from Echo Lake (station 10336608), to South Fork American River Basin. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 5,480 ft^3/s, January 2, 1997, gage height, 9.95 ft; minimum daily, 0.01 ft^3/s, September. 6, 2001.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 300 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)‘
April 15	0415	*502	*4.53	June 1	0300	355	3.77
May 19	0400	445	4.25				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	6.2	39	46	e31	63	123	134	312	60	8.1	2.2
2	1.3	5.3	71	44	e31	58	137	126	291	57	7.5	2.0
3	1.7	5.2	e65	60	e31	55	162	137	245	51	6.9	1.9
4	1.3	4.9	e57	54	e31	54	199	163	236	46	6.3	1.9
5	1.5	5.0	e51	40	e31	56	222	195	246	43	5.9	2.2
6	1.3	5.0	e47	85	e32	86	199	214	247	40	5.5	2.4
7	1.6	5.2	e43	98	e32	92	185	242	231	38	4.8	3.0
8	1.7	5.5	e42	76	e32	96	191	243	212	36	4.6	3.5
9	1.9	4.8	e42	65	e32	72	222	225	183	34	4.5	3.1
10	2.0	5.0	42	55	e33	61	220	204	148	32	4.4	2.8
11	1.9	5.8	40	49	e33	59	221	187	126	31	4.2	2.5
12	2.3	8.1	39	44	31	68	239	196	118	30	4.1	6.5
13	2.3	12	37	45	35	70	238	223	115	32	3.9	6.4
14	2.2	9.4	e37	46	23	61	282	249	117	30	3.6	9.3
15	2.6	7.6	e37	44	23	58	344	248	118	28	3.5	7.9
16	2.1	7.6	e37	e43	24	65	229	264	128	26	3.6	9.7
17	2.4	7.2	e37	e42	27	55	198	281	129	26	3.3	15
18	2.1	6.7	e37	e41	26	56	169	347	125	33	3.4	14
19	2.3	6.3	e37	e40	32	50	149	354	124	36	3.2	18
20	2.7	6.3	e37	e39	74	52	138	297	116	28	2.9	13
21	2.4	12	e37	38	73	57	133	240	110	26	2.8	14
22	2.8	99	e37	e36	68	64	128	199	102	24	2.9	12
23	2.8	51	e37	e35	76	70	134	155	95	21	2.8	14
24	3.6	72	e37	e35	69	65	146	144	88	18	3.0	13
25	3.6	70	e37	36	63	60	169	157	81	14	2.6	17
26	3.3	58	e37	35	62	62	205	171	77	12	2.9	14
27	3.5	46	e37	e33	64	68	187	186	75	12	2.5	10
28	3.7	39	e38	e33	64	76	158	206	71	11	2.4	13
29	4.0	e39	e39	e32	---	88	157	228	67	10	2.5	11
30	5.3	e39	e41	e31	---	101	152	280	63	9.4	2.4	9.0
31	10	---	e43	e31	---	112	---	293	---	8.7	2.4	---
TOTAL	83.5	654.1	1294	1431	1183	2110	5636	6788	4396	903.1	123.4	254.3
MEAN	2.694	21.80	41.74	46.16	42.25	68.06	187.9	219.0	146.5	29.13	3.981	8.477
MAX	10	99	71	98	76	112	344	354	312	60	8.1	18
MIN	1.3	4.8	37	31	23	50	123	126	63	8.7	2.4	1.9
AC-FT	166	1300	2570	2840	2350	4190	11180	13460	8720	1790	245	504

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2002, BY WATER YEAR (WY)

MEAN	15.14	39.13	49.13	65.96	68.05	106.7	166.1	303.9	254.4	87.16	20.31	12.86
MAX	72.1	225	218	484	307	305	300	567	795	448	102	55.3
(WY)	1983	1984	1982	1997	1986	1986	1982	1982	1983	1995	1983	1983
MIN	2.60	7.36	8.07	8.00	10.5	21.2	64.0	55.3	23.5	4.65	0.51	0.55
(WY)	1989	1991	1991	1991	1991	1977	1977	1977	1992	1994	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1972 - 2002	
ANNUAL TOTAL	13839.60		24856.4			
ANNUAL MEAN	37.92		68.10		101.0	
HIGHEST ANNUAL MEAN					203	1983
LOWEST ANNUAL MEAN					29.2	1988
HIGHEST DAILY MEAN	262	May 16	354	May 19	3150	Jan 2 1997
LOWEST DAILY MEAN	0.00	Sep 6	1.3	Oct 1	0.01	Sep 6 2001
ANNUAL SEVEN-DAY MINIMUM	0.11	Sep 5	1.4	Oct 1	0.11	Sep 5 2001
MAXIMUM PEAK FLOW			502	Apr 15	5480	Jan 2 1997
MAXIMUM PEAK STAGE			4.53	Apr 15	9.95	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	27450		49300		73180	
10 PERCENT EXCEEDS	115		201		272	
50 PERCENT EXCEEDS	17		38		38	
90 PERCENT EXCEEDS	0.36		2.8		6.9	

e Estimated

10336610 UPPER TRUCKEE RIVER AT SOUTH LAKE TAHOE, CA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972-74, 1978, 1980 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1981 to September 1983.
WATER TEMPERATURE: October 1971 to June 1974, October 1977 to June 1978, March 1980 to September 1992, September 1997 to current year.
SUSPENDED-SEDIMENT DISCHARGE: October 1971 to June 1974, October 1977 to June 1978, March 1980 to September 1992.

INSTRUMENTATION.--Water temperature recorder September 1997 to current year, two times per hour.

REMARKS.--In October 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Interruptions in water temperature record due to instrument problems. Water temperature records represent water temperature at probe within 0.5°C. Water temperature data for September 1997 were not published but are available from the U.S. Geological Survey, Carson City, NV.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 26.5°C, July 26 and August 10, 2001; minimum, freezing point on many days.
SEDIMENT CONCENTRATION: Maximum daily mean, 416 mg/L, March 4, 1991; minimum daily mean, 0 mg/L, several days during most years.
SEDIMENT LOAD: Maximum daily, 781 tons, March 8, 1986; minimum daily, 0 tons, several days during most years.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, presumably not measured during instrument problems; minimum, freezing point, many days November to March.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT									
03...	1650	2.0	--	--	--	--	116	22.5	19.0
NOV									
06...	1440	5.3	--	--	--	--	107	12.5	9.6
DEC									
07...	0845	61	610	--	--	6.4	53	-.3	.2
JAN									
08...	0900	65	--	--	--	--	56	9.0	1.6
FEB									
05...	0850	33	--	--	--	--	88	-5.0	.0
20...	1145	74	--	--	--	--	71	9.0	2.6
MAR									
05...	0900	55	610	11.1	99	7.3	66	5.0	1.5
28...	1410	70	--	--	--	--	77	13.0	8.6
APR									
02...	1020	134	--	--	--	--	51	13.6	4.1
04...	1750	185	--	--	--	--	43	13.0	7.8
12...	1435	229	--	--	--	--	34	8.5	7.7
23...	1150	145	--	--	--	--	40	14.0	6.3
25...	1820	167	--	--	--	--	37	9.5	9.4
26...	1435	194	--	--	--	--	31	6.0	6.6
MAY									
09...	1255	233	--	--	--	--	27	13.5	7.1
15...	1335	243	--	--	--	--	28	18.5	8.8
17...	0725	297	--	--	--	--	25	7.5	5.3
28...	1540	195	--	--	--	--	31	22.5	12.1
31...	0700	313	--	--	--	--	25	--	--
JUN									
01...	0700	329	600	7.7	85	--	21	16.0	9.3
04...	1110	236	606	9.1	105	7.2	24	18.0	11.3
JUL									
08...	1050	38	--	--	--	--	58	21.0	15.8
AUG									
12...	1200	4.3	610	9.6	130	7.5	99	23.5	19.0
SEP									
12...	1655	6.7	--	--	--	--	118	22.0	17.9

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT								
03...	.004	.27	.012	.020	.004	437	4	.02
NOV								
06...	<.003	.15	.007	.016	.004	363	4	.06
DEC								
07...	.004	.17	.021	.013	.003	228	5	.82
JAN								
08...	.007	.38	.019	.019	.003	286	10	1.8
FEB								
05...	<.003	.28	.019	.015	.003	400	9	.80
20...	<.003	.44	.012	.036	.004	1240	37	7.4
MAR								
05...	.004	.31	.023	.019	.004	547	7	1.0
28...	.003	.33	.012	.017	.003	499	6	1.1
APR								
02...	<.003	.39	.008	.027	.002	591	12	4.3
04...	.003	.80	.007	.034	.003	125	26	13.0
12...	<.003	.23	.009	.032	.003	646	21	13.0
23...	.003	.33	.014	.016	.002	325	6	2.3
25...	.003	.29	.008	.021	.002	337	8	3.6
26...	.003	.39	.008	.021	.002	337	12	6.3
MAY								
09...	<.003	.35	.010	.020	.002	376	10	6.3
15...	<.003	.14	.004	.022	.003	342	15	9.8
17...	<.003	.15	.002	.035	.003	659	28	22.5
28...	<.003	.26	.005	.018	.003	--	5	2.6
31...	.003	.45	.020	.068	.012	994	36	30.4
JUN								
01...	<.003	.14	.006	.038	.003	579	21	18.7
04...	<.003	.12	.002	.021	.003	249	16	10.2
JUL								
08...	.003	.14	.008	.021	.004	232	3	.31
AUG								
12...	<.003	.18	.009	.019	.003	310	3	.03
SEP								
12...	<.003	.15	.007	.019	.003	332	5	.09

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.5	10.0	14.5	9.5	5.5	7.0	0.0	0.0	0.0	2.5	1.0	2.0
2	19.0	10.5	14.5	10.0	5.5	7.0	0.0	0.0	0.0	3.0	2.0	2.5
3	19.0	10.5	14.5	9.5	5.0	7.0	0.0	0.0	0.0	3.0	1.0	1.5
4	18.0	10.5	14.0	10.0	5.0	7.0	0.0	0.0	0.0	1.5	0.0	0.5
5	18.0	9.5	13.5	11.0	5.5	7.5	0.5	0.0	0.0	3.0	0.0	1.5
6	17.0	10.0	13.5	9.5	5.0	7.0	0.5	0.0	0.0	2.5	1.0	2.0
7	17.0	9.0	13.0	9.0	4.5	6.0	0.0	0.0	0.0	3.0	0.5	1.5
8	15.0	10.0	12.5	8.5	4.0	5.5	0.5	0.0	0.0	3.0	1.5	2.0
9	15.5	7.0	11.0	8.0	3.5	5.0	0.0	0.0	0.0	2.5	0.5	1.5
10	15.0	6.0	10.0	7.5	3.5	5.0	0.0	0.0	0.0	3.0	0.5	1.5
11	13.5	8.0	10.5	7.5	5.0	6.0	0.0	0.0	0.0	3.0	0.0	1.5
12	16.0	6.5	10.5	6.5	4.0	5.0	0.0	0.0	0.0	3.5	0.5	2.0
13	16.0	6.5	10.5	6.0	3.5	4.5	0.5	0.0	0.0	2.0	0.0	1.0
14	14.0	7.0	10.0	6.5	4.5	5.5	0.0	0.0	0.0	1.5	0.0	0.5
15	14.5	7.0	10.0	6.5	5.0	5.5	0.0	0.0	0.0	1.0	0.0	0.5
16	14.0	7.0	10.0	7.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
17	13.0	7.0	10.0	7.0	5.5	6.0	0.0	0.0	0.0	0.5	0.0	0.0
18	15.5	6.5	10.0	6.5	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
19	14.0	6.5	10.0	6.5	3.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0
20	14.0	7.5	10.0	6.5	4.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0
21	14.5	7.0	10.0	5.5	4.0	4.5	0.0	0.0	0.0	0.5	0.0	0.0
22	13.5	7.0	9.5	5.0	3.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
23	14.5	8.0	10.0	4.5	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
24	13.0	6.5	9.0	3.5	1.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
25	13.5	6.5	9.0	2.0	0.0	1.0	0.0	0.0	0.0	0.5	0.0	0.0
26	13.5	6.5	9.0	1.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
27	12.5	7.0	9.0	1.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0
28	12.5	7.0	9.0	1.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
29	11.0	7.0	8.5	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
30	9.5	7.5	8.5	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
31	9.0	6.0	7.5	---	---	---	1.5	0.0	0.5	0.0	0.0	0.0
MONTH	19.0	6.0	10.7	11.0	0.0	4.5	1.5	0.0	0.0	3.5	0.0	0.7

10336610 UPPER TRUCKEE RIVER AT SOUTH LAKE TAHOE, CA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	5.0	0.0	2.0	9.0	2.5	6.0	7.5	2.5	5.0
2	0.0	0.0	0.0	5.0	0.0	2.0	9.0	2.5	6.0	11.0	3.0	6.5
3	0.0	0.0	0.0	5.5	0.0	2.5	9.5	2.5	6.0	11.5	4.5	8.0
4	0.0	0.0	0.0	6.0	0.5	3.0	8.0	2.5	5.5	10.5	4.5	7.5
5	0.0	0.0	0.0	7.0	1.5	4.0	8.0	2.0	5.0	10.0	4.0	7.0
6	0.0	0.0	0.0	4.0	0.0	2.5	8.0	2.5	5.0	10.0	3.5	7.0
7	0.0	0.0	0.0	0.0	0.0	0.0	8.5	2.5	5.5	10.0	4.0	7.0
8	0.0	0.0	0.0	1.5	0.0	0.5	7.5	3.0	5.5	9.0	3.0	6.0
9	0.0	0.0	0.0	3.0	0.0	1.0	6.5	3.0	5.0	10.0	3.5	6.5
10	0.5	0.0	0.0	3.0	0.0	1.5	9.0	3.0	5.5	9.0	3.5	6.0
11	0.5	0.0	0.0	6.0	0.5	3.0	8.5	3.5	6.0	10.5	3.5	6.5
12	0.5	0.0	0.0	6.5	2.5	4.0	9.0	3.0	6.0	10.0	4.0	7.0
13	0.5	0.0	0.0	4.0	0.5	2.0	9.0	2.5	6.0	10.5	4.5	7.5
14	2.5	0.0	1.0	4.0	0.0	2.0	9.5	3.5	6.5	10.5	4.5	7.5
15	3.5	1.0	2.0	1.5	0.0	0.5	5.5	2.0	3.5	10.5	4.5	7.5
16	4.0	0.5	2.0	2.0	0.0	0.5	5.0	1.0	3.0	11.0	4.5	8.0
17	3.0	0.5	1.5	3.0	0.0	1.0	5.0	0.5	2.0	12.0	5.0	8.5
18	4.0	0.5	2.0	4.5	0.0	2.0	4.0	0.5	2.0	11.5	5.5	8.5
19	3.5	1.5	2.5	7.0	0.0	3.0	6.5	1.0	3.5	9.0	5.5	7.0
20	4.0	1.0	2.0	8.0	1.0	4.5	8.0	1.5	4.5	7.5	4.5	5.5
21	4.5	0.0	2.0	8.0	2.0	5.0	9.5	2.5	6.0	8.5	3.0	5.5
22	5.5	0.5	2.5	8.5	2.0	5.0	10.0	3.5	7.0	10.0	3.5	6.5
23	4.5	1.5	3.0	5.0	1.5	3.5	10.0	4.0	7.0	11.5	5.0	8.0
24	5.5	0.0	2.5	7.0	1.5	4.0	9.0	4.0	7.0	12.0	6.0	9.0
25	5.5	0.5	3.0	6.5	1.0	4.0	10.0	4.5	7.5	12.0	7.0	9.5
26	5.5	0.5	3.0	9.5	2.5	5.5	7.5	4.5	5.5	12.0	6.5	9.5
27	6.0	1.0	3.0	9.5	2.5	6.0	8.0	3.0	5.0	12.0	6.5	9.0
28	6.0	0.5	3.0	9.5	2.5	6.0	6.5	2.0	4.5	13.0	6.5	9.5
29	---	---	---	9.5	3.0	6.0	5.0	1.5	3.5	---	---	---
30	---	---	---	9.5	3.0	6.0	8.0	2.0	4.5	---	---	---
31	---	---	---	9.0	2.5	6.0	---	---	---	---	---	---
MONTH	6.0	0.0	1.2	9.5	0.0	3.2	10.0	0.5	5.2	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	18.0	13.0	15.5
13	---	---	---	---	---	---	---	---	---	18.5	13.0	16.0
14	---	---	---	---	---	---	---	---	---	17.0	13.5	15.5
15	---	---	---	---	---	---	---	---	---	17.0	13.5	15.0
16	---	---	---	---	---	---	---	---	---	15.5	11.0	14.0
17	---	---	---	---	---	---	---	---	---	15.5	12.0	14.0
18	---	---	---	---	---	---	---	---	---	15.5	11.0	13.5
19	---	---	---	---	---	---	---	---	---	15.5	11.0	13.5
20	---	---	---	---	---	---	---	---	---	16.0	11.5	14.0
21	---	---	---	---	---	---	---	---	---	16.5	12.5	14.5
22	---	---	---	---	---	---	---	---	---	17.0	12.5	15.0
23	---	---	---	---	---	---	---	---	---	16.5	13.0	15.0
24	---	---	---	---	---	---	---	---	---	16.5	12.5	14.5
25	---	---	---	---	---	---	---	---	---	15.5	11.5	14.0
26	---	---	---	---	---	---	---	---	---	15.0	11.5	13.5
27	---	---	---	---	---	---	---	---	---	14.5	11.5	12.5
28	---	---	---	---	---	---	---	---	---	14.0	10.0	12.0
29	---	---	---	---	---	---	---	---	---	13.0	10.0	11.5
30	---	---	---	---	---	---	---	---	---	12.5	9.5	11.0
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Remark Codes Used in This report:
  < -- Less than

PYRAMID AND WINNEMUCCA LAKES BASIN

10336645 GENERAL CREEK NEAR MEEKS BAY, CA

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 39°03'07", long 120°07'03", in NE $^1/_4$ NE $^1/_4$ sec.20, T.14 N., R.17 E., El Dorado County, Hydrologic Unit 16050101, on right bank 200 ft upstream from State Highway 89, 0.4 mi upstream from Lake Tahoe, and 1.1 mi north of Meeks Bay.

DRAINAGE AREA.--7.44 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1980 to current year.

GAGE.--Water-stage recorder. Datum of gage is 6,250.38 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges and January 15 to March 19 which are fair. No known diversion or regulation upstream from station. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 797 ft^3/s, January 2, 1997, gage height, 7.86 ft (backwater from plugged culvert), from rating curve extended above 180 ft^3/s on basis of computation of flow through culvert; minimum daily, 0.29 ft^3/s, July 28, August 15, 1994.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 100 ft^3/s or maximum:

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 14	2200	162	2.36	May 17	2215	1.24	2.18

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.78	0.86	1.7	6.6	e5.0	11	35	24	42	1.9	0.84	1.0
2	0.75	0.84	6.0	6.7	e4.6	e10	40	25	32	1.8	0.84	0.99
3	0.77	0.80	5.1	8.0	e4.5	e9.5	48	32	26	1.6	0.85	1.0
4	0.74	0.73	2.0	6.3	e4.5	9.4	59	48	25	1.5	0.84	1.1
5	0.73	0.73	1.8	6.1	e4.5	9.5	62	62	24	1.4	0.83	1.1
6	0.69	0.76	1.8	13	e4.5	14	54	69	22	1.4	0.87	1.1
7	0.72	0.81	2.5	13	e4.5	15	52	74	19	1.3	0.87	1.1
8	0.70	0.84	2.1	10	e4.5	e12	60	65	16	1.3	0.86	1.1
9	0.71	0.85	2.2	9.8	e4.5	e10	66	58	14	1.2	0.84	1.0
10	0.73	0.90	2.1	9.3	e4.5	10	63	54	12	1.2	0.84	0.97
11	0.78	1.1	2.0	8.1	e4.5	9.3	69	45	11	1.1	0.85	0.95
12	0.79	1.5	2.0	7.5	e4.5	11	75	54	9.5	1.2	0.84	0.94
13	0.78	1.5	1.9	7.9	e4.5	12	72	65	8.7	1.3	0.83	0.94
14	0.78	1.4	2.6	7.9	e4.5	11	95	75	8.2	1.1	0.83	0.92
15	0.80	1.3	2.3	e8.0	e4.5	e10	89	75	7.5	1.0	0.81	0.87
16	0.83	1.2	2.2	e7.8	e4.5	e10	45	73	6.7	0.99	0.83	0.91
17	0.84	1.2	2.7	e7.4	e4.5	e10	34	81	6.0	1.1	0.84	0.88
18	0.78	1.2	2.7	e7.2	7	e10	28	83	5.5	1.3	0.84	0.88
19	0.78	1.3	2.4	e7.0	7.3	e10	25	67	5.3	1.3	0.85	0.85
20	0.78	1.2	2.7	e6.8	14	10	23	51	5.1	1.2	0.85	0.81
21	0.78	2.6	2.6	6	14	11	22	37	4.4	1.1	0.88	0.80
22	0.80	4.1	2.6	5.7	13	14	25	30	4.1	1.0	0.88	0.79
23	0.81	2.0	2.7	e6.1	15	15	30	31	3.9	1.0	0.88	0.75
24	0.78	4.5	2.7	e6.1	13	14	36	36	3.5	0.98	0.88	0.74
25	0.84	3.3	2.9	6	12	13	47	48	3.1	0.93	0.87	0.75
26	0.84	2.0	2.8	5.4	11	13	56	52	2.9	0.93	0.87	0.75
27	0.84	1.6	3.1	e6.1	11	14	42	52	2.6	0.91	0.86	0.75
28	0.84	1.7	3.5	6	11	16	31	52	2.4	0.90	0.86	0.77
29	0.78	1.7	4.1	5.9	---	21	29	55	2.2	0.88	0.90	0.79
30	1.3	1.7	4.7	e5.8	---	26	26	54	2.0	0.86	0.99	0.83
31	1.1	---	7.8	e5.4	---	31	---	50	---	0.85	1.0	---
TOTAL	24.97	46.22	90.3	228.9	205.4	401.7	1438	1677	336.6	36.53	26.72	27.13
MEAN	0.805	1.541	2.913	7.384	7.336	12.96	47.93	54.10	11.22	1.178	0.862	0.904
MAX	1.3	4.5	7.8	13	15	31	95	83	42	1.9	1.0	1.1
MIN	0.69	0.73	1.7	5.4	4.5	9.3	22	24	2.0	0.85	0.81	0.74
AC-FT	50	92	179	454	407	797	2850	3330	668	72	53	54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2.094	6.554	8.624	9.635	12.38	18.07	38.55	62.70	35.03	6.594	1.335	1.337
MAX	15.5	45.4	58.7	68.9	64.2	60.1	70.4	114	158	49.6	4.72	4.36
(WY)	1983	1982	1982	1997	1986	1986	1989	1999	1983	1983	1983	1983
MIN	0.73	0.84	0.89	0.90	0.99	5.86	15.9	7.18	1.63	0.49	0.35	0.39
(WY)	1993	1993	1991	1991	1991	1994	1991	1992	2001	1994	1994	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1980 - 2002	
ANNUAL TOTAL	2438.08		4539.47			
ANNUAL MEAN	6.680		12.44		16.91	
HIGHEST ANNUAL MEAN					34.7	1982
LOWEST ANNUAL MEAN					4.96	1988
HIGHEST DAILY MEAN	77	May 8	95	Apr 14	600	Jan 1 1997
LOWEST DAILY MEAN	0.37	Sep 20	0.69	Oct 6	0.29	Jul 28 1994
ANNUAL SEVEN-DAY MINIMUM	0.40	Sep 17	0.72	Oct 4	0.31	Aug 15 1994
MAXIMUM PEAK FLOW			162	Apr 14	797	Jan 2 1997
MAXIMUM PEAK STAGE			2.36	Apr 14	7.86	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	4840		9000		12250	
10 PERCENT EXCEEDS	18		48		51	
50 PERCENT EXCEEDS	1.8		3.5		3.2	
90 PERCENT EXCEEDS	0.67		0.81		0.82	

e Estimated

10336645 GENERAL CREEK NEAR MEEKS BAY, CA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1981 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1980 to September 1983.

WATER TEMPERATURE: October 1980 to September 1992.

SUSPENDED-SEDIMENT DISCHARGE: October 1980 to September 1992.

REMARKS.--In October 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT									
22...	1630	.78	606	8.6	93	--	63	14.0	8.5
30...	1850	1.7	604	8.7	89	--	65	3.5	6.5
NOV									
21...	1710	3.4	599	9.5	94	--	62	5.5	4.5
21...	2225	5.2	--	--	--	--	58	4.2	4.0
22...	1140	4.2	602	9.6	92	--	58	.2	3.5
24...	1230	7.4	--	--	--	--	53	--	2.5
28...	1505	1.7	598	10.4	96	--	56	.0	2.0
DEC									
31...	1600	8.3	607	11.0	97	--	53	2.1	.9
JAN									
06...	1515	16	613	11.3	99	--	29	4.0	1.0
07...	1615	12	--	--	--	--	28	3.5	1.5
24...	1630	E6.1	609	11.3	97	--	34	-1.0	.0
FEB									
20...	1140	13	605	11.0	99	--	30	5.5	1.5
MAR									
05...	1330	9.2	604	10.7	101	--	30	8.0	3.2
APR									
02...	2035	44	604	11.0	100	--	21	1.0	1.8
05...	0845	63	--	--	--	--	18	5.5	1.0
11...	1315	59	608	10.7	101	--	17	--	3.5
15...	0930	92	--	--	--	--	13	-2.5	1.0
24...	2025	35	--	--	--	--	19	9.0	5.0
MAY									
06...	1320	54	--	--	--	--	14	14.0	5.1
06...	2000	80	--	--	--	--	14	6.5	5.0
15...	0820	71	--	--	--	6.8	12	7.0	2.1
16...	2045	86	606	9.6	98	--	11	10.0	6.5
22...	1250	28	--	--	--	--	16	9.0	5.0
29...	2045	62	607	8.9	99	--	12	12.5	10.0
JUN									
06...	2025	20	--	--	--	--	18	--	11.5
13...	1515	8.7	608	7.9	100	--	24	24.0	15.5
JUL									
17...	1625	1.3	609	6.8	91	--	50	19.0	18.5
AUG									
21...	1820	.84	605	6.9	88	--	57	16.5	16.0
SEP									
19...	1750	.78	606	7.4	89	--	60	16.5	13.0

10336645 GENERAL CREEK NEAR MEEKS BAY, CA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT								
22...	<.003	.14	.003	.020	.013	90	2	<.01
30...	<.003	.16	.003	.029	.012	230	3	.01
NOV								
21...	<.003	.25	.003	.057	.017	874	5	.05
21...	<.003	.63	.005	.126	.026	2280	24	.34
22...	.005	.35	.005	.035	.011	398	6	.07
24...	<.003	.36	.005	.092	.017	1250	28	.56
28...	.005	.18	.004	.016	.009	131	1	<.01
DEC								
31...	.004	.22	.003	.019	.004	138	2	.04
JAN								
06...	.003	.31	.005	.039	.003	449	8	.35
07...	.003	.38	.008	.015	.004	80	1	.03
24...	<.003	.22	.002	.022	.001	49	1	E.02
FEB								
20...	<.003	.30	.003	.017	.003	114	2	.07
MAR								
05...	<.003	.15	.003	.009	.003	52	1	.02
APR								
02...	.003	.35	.004	.024	.002	225	10	1.2
05...	.003	.25	.009	.013	.002	137	6	1.0
11...	.004	.55	.005	.006	.002	62	3	.48
15...	.004	.33	.004	.017	.002	199	7	1.7
24...	.005	.32	.004	.008	.001	49	2	.19
MAY								
06...	<.003	.33	.002	.005	.001	49	1	.15
06...	<.003	.20	.002	.009	.001	130	8	1.7
15...	<.003	.17	.003	.007	.001	40	2	.38
16...	<.003	.07	.002	.009	.002	56	7	1.6
22...	<.003	.14	.002	.007	.002	117	5	.38
29...	<.003	.25	.002	.008	.001	239	4	.67
JUN								
06...	.003	.12	.002	.011	.001	84	3	.16
13...	.006	.10	.002	.010	.004	137	2	.05
JUL								
17...	.005	.14	.004	.039	.018	156	1	<.01
AUG								
21...	.003	.12	.003	.032	.016	167	1	<.01
SEP								
19...	.005	.06	.002	.026	.018	160	<1	<.01

Remark Codes Used in This report:
  < -- Less than
  E -- Estimated

PYRAMID AND WINNEMUCCA LAKES BASIN

10336660 BLACKWOOD CREEK NEAR TAHOE CITY, CA

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 39°06'27", long 120°09'40", in NW $^1/_4$ NE $^1/_4$ sec.36, T.15 N., R.16 E., Placer County, Hydrologic Unit 16050101, on right bank, 300 ft upstream from bridge on State Highway 89, 1,000 ft upstream from Lake Tahoe, and 4.6 mi south of Tahoe City.

DRAINAGE AREA.--11.2 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 6,234.59 ft above NGVD of 1929. October 1, 1960, to September 30, 1964, at datum 10.25 ft lower and October 1, 1964, to August 27, 1970, at datum 12 ft lower, at site 400 ft downstream.

REMARKS.--Records good except estimated daily discharges, which are fair. No known diversion or regulation upstream from station. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 2,940 ft^3/s, January 1, 1997, gage height, 9.82 ft; maximum gage height, 9.90 ft, site and datum then in use, December 22, 1964; minimum daily, 0.50 ft^3/s, September 24, 1968.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 200 ft^3/s and maximum(*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 14	1715	e249	a3.01	May 30	2000	206	2.45
May 17	1415	237	2.60				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.1	e5.0	16	e8.2	e16	52	49	146	18	3.8	1.8
2	1.1	1.1	6.4	16	e7.7	e15	62	51	119	16	3.8	1.8
3	1.0	1.0	7.0	17	e7.6	e15	74	66	108	16	3.4	1.8
4	1.0	1.0	5.8	16	e7.6	e15	e87	84	113	14	3.4	1.8
5	1.1	1.1	4.8	15	e7.7	e15	e85	101	121	14	3.2	1.8
6	1.1	1.1	e4.5	37	e7.6	e20	e75	117	119	13	3.1	1.9
7	1.1	1.0	e5.5	33	e7.5	e21	e81	127	111	12	3.0	1.9
8	1.1	1.0	e5.0	27	e7.5	e17	e86	117	98	12	2.8	1.9
9	1.1	1.1	e4.6	23	e7.2	e16	e88	111	83	11	2.9	1.8
10	1.1	1.1	e4.8	21	e7.0	e17	e90	102	72	10	2.9	1.7
11	1.2	1.7	e4.6	e19	e6.6	e18	e100	94	68	9.6	2.7	1.7
12	1.1	1.9	e4.6	e18	e6.4	e19	e107	101	70	9.6	2.6	1.7
13	1.1	1.8	e4.8	e17	e6.1	e20	e124	115	76	9.4	2.4	1.6
14	1.1	1.6	e4.9	e16	e6.1	e19	e172	132	74	8.6	2.4	1.6
15	1.1	1.4	e4.8	e16	e5.9	e18	e142	145	65	8.1	2.3	1.6
16	1.1	1.3	e5.1	e16	e6.0	e17	e112	150	58	7.5	2.3	1.6
17	1.1	1.3	e4.9	e15	e6.0	e17	e86	165	54	7.3	2.2	1.6
18	1.0	1.2	e4.9	e15	e6.3	e17	e72	159	55	7.4	2.2	1.6
19	1.1	1.2	e4.9	e14	e7.6	e18	e62	135	53	7.0	2.2	1.6
20	1.1	1.2	e5.1	e14	e20	e19	e56	107	50	6.6	2.2	1.5
21	1.1	4.7	e4.8	e13	e19	21	e54	88	46	6.2	2.2	1.5
22	1.2	17	e4.8	e12	e18	22	e57	78	40	5.9	2.2	1.5
23	1.3	5.1	e5.1	e11	e19	23	e62	75	37	5.6	2.1	1.4
24	1.2	18	e4.5	e11	e18	22	e71	77	33	5.3	2.0	1.4
25	1.2	8.9	e4.6	e10	e17	21	e82	88	31	5.2	2.0	1.4
26	1.2	e4.5	e4.6	e10	e17	21	e84	101	30	4.9	2.0	1.4
27	1.3	e4.0	e4.9	e10	e16	22	e77	113	27	4.7	2.0	1.4
28	1.3	e3.9	e5.2	e10	e16	24	e67	126	24	4.5	2.0	1.4
29	1.2	e3.9	e5.6	e9.5	---	28	e62	139	21	4.3	1.9	1.5
30	2.5	e4.1	e8.1	e9.2	---	35	55	155	19	4.2	2.0	1.6
31	1.5	---	18	e8.8	---	43	---	158	---	4.0	1.9	---
TOTAL	36.8	99.3	172.2	495.5	292.6	631	2484	3426	2021	271.9	78.1	48.8
MEAN	1.187	3.310	5.555	15.98	10.45	20.35	82.80	110.5	67.37	8.771	2.519	1.627
MAX	2.5	18	18	37	20	43	172	165	146	18	3.8	1.9
MIN	1.0	1.0	4.5	8.8	5.9	15	52	49	19	4.0	1.9	1.4
AC-FT	73	197	342	983	580	1250	4930	6800	4010	539	155	97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4.736	12.26	19.37	24.96	21.07	30.24	61.25	127.7	99.99	28.67	5.655	2.816
MAX	28.1	94.8	157	201	116	122	124	312	320	149	36.1	10.3
(WY)	1963	1984	1965	1997	1986	1986	1989	1969	1983	1983	1983	1982
MIN	1.19	1.68	1.90	2.00	2.27	3.82	13.6	29.7	7.20	2.76	1.31	1.00
(WY)	2002	1978	1977	1991	1991	1977	1975	1977	1992	2001	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1961 - 2002	
ANNUAL TOTAL	5057.11		10057.2			
ANNUAL MEAN	13.86		27.55		36.59	
HIGHEST ANNUAL MEAN					73.4	1982
LOWEST ANNUAL MEAN					8.71	1977
HIGHEST DAILY MEAN	122	May 16	172	Apr 14	2000	Jan 1 1997
LOWEST DAILY MEAN	0.83	Sep 19	1.0	Oct 3	0.50	Sep 24 1968
ANNUAL SEVEN-DAY MINIMUM	0.86	Sep 18	1.0	Nov 2	0.54	Sep 23 1968
MAXIMUM PEAK FLOW			e249	Apr 14	2940	Jan 1 1997
MAXIMUM PEAK STAGE			a3.01	Apr 14	9.90	Dec 22 1964
ANNUAL RUNOFF (AC-FT)	10030		19950		26510	
10 PERCENT EXCEEDS	44		92		106	
50 PERCENT EXCEEDS	3.6		8.1		10	
90 PERCENT EXCEEDS	1.1		1.2		2.1	

e Estimated
a Orifice buried

10336660 BLACKWOOD CREEK NEAR TAHOE CITY, CA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975-78, 1980 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1980 to September 1983.

WATER TEMPERATURE: October 1974 to June 1978 (1977-78 storm season only), October 1979 to September 1992.

SUSPENDED-SEDIMENT DISCHARGE: October 1974 to June 1978 (1977-78 storm season only), October 1979 to September 1992.

REMARKS.--In October 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT									
22...	1520	1.3	608	9.0	97	--	82	14.0	8.5
30...	1730	3.1	603	9.2	96	--	77	3.5	7.0
NOV									
21...	1600	5.5	602	9.8	96	--	73	4.0	4.5
21...	2040	19	--	--	--	--	70	--	--
21...	2105	10	--	--	--	--	70	3.8	5.0
22...	1035	14	601	10.6	97	--	52	.3	1.8
24...	1335	51	--	--	--	--	48	-.5	2.0
28...	1555	E3.9	598	10.5	98	--	68	-1.5	2.3
DEC									
31...	1445	20	607	10.7	99	--	53	4.0	2.5
JAN									
06...	1400	47	613	11.5	99	--	46	3.0	.5
07...	1525	30	--	--	--	--	51	3.9	3.3
24...	1505	E11	610	11.6	99	--	56	.0	.0
FEB									
20...	1020	E20	604	10.9	100	--	52	4.5	2.0
MAR									
05...	1225	E15	606	10.2	99	--	57	4.5	4.5
APR									
02...	1920	71	604	10.5	99	--	46	2.0	3.0
05...	0740	E85	--	--	--	--	42	1.0	2.0
11...	1205	E100	608	10.2	101	--	45	10.7	5.2
15...	0800	E142	--	--	--	--	37	-4.0	1.5
24...	1930	E71	--	--	--	--	47	8.5	6.5
MAY									
06...	1225	94	--	--	--	--	41	14.3	7.2
06...	1910	146	--	--	--	--	36	8.5	5.0
15...	0725	130	--	--	--	7.1	35	2.0	2.0
16...	1930	188	606	10.1	100	--	32	11.8	5.0
22...	1200	76	--	--	--	--	41	6.0	6.0
29...	1935	178	607	10.0	102	--	28	13.7	6.2
JUN									
06...	1930	140	--	--	--	--	27	16.5	8.0
13...	1400	67	609	8.5	100	--	33	22.0	12.5
20...	1340	46	--	--	--	--	35	22.0	12.5
JUL									
17...	1720	7.0	610	6.8	95	--	57	19.0	20.5
AUG									
21...	1710	2.1	606	7.4	97	--	71	17.5	17.0
SEP									
19...	1650	1.4	608	7.8	96	--	76	19.5	14.5

10336660 BLACKWOOD CREEK NEAR TAHOE CITY, CA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT								
22...	.003	.17	.002	.013	.007	100	2	.01
30...	<.003	.20	.004	.019	.007	168	5	.04
NOV								
21...	.003	.13	.002	.018	.008	142	2	.03
21...	<.003	.32	.003	.045	.009	614	9	.46
21...	.003	.32	.004	.080	.008	1250	44	1.2
22...	<.003	.28	.111	.034	.003	402	14	.53
24...	.003	.41	.086	.141	.003	2280	41	5.6
28...	.004	.12	.051	.012	.003	128	3	E.03
DEC								
31...	.004	.28	.002	.020	.002	229	7	.38
JAN								
06...	.004	1.7	.015	.057	.004	969	28	3.6
07...	.003	.20	.034	.012	.002	111	3	.24
24...	<.003	.50	.002	.022	.002	114	10	E.30
FEB								
20...	<.003	.81	.002	.019	.003	235	8	E.43
MAR								
05...	<.003	.18	.007	.013	.004	91	3	E.12
APR								
02...	.004	1.1	.032	.071	.003	1000	46	8.8
05...	.004	.34	.067	.024	.003	303	15	E3.4
11...	.003	.13	.055	.016	.002	138	7	E1.9
15...	.004	.25	.060	.032	.003	490	33	E12.7
24...	.004	.17	.031	.015	.002	129	6	E1.1
MAY								
06...	<.003	.21	.027	.009	.002	106	6	1.5
06...	<.003	.12	.026	.035	.001	705	42	16.6
15...	<.003	.14	.030	.013	.003	133	11	3.9
16...	<.003	.12	.021	.034	.003	--	38	19.3
22...	.003	.12	.015	.013	.004	130	5	1.0
29...	.003	.33	.009	.050	.001	713	104	50.0
JUN								
06...	.004	.15	.002	.021	.001	193	21	7.9
13...	.005	.08	.002	.013	.003	518	6	1.1
20...	.006	.18	.005	.018	.004	301	4	.50
JUL								
17...	.006	<.04	.002	.038	.009	106	5	.09
AUG								
21...	<.003	.09	.002	.023	.009	101	3	.02
SEP								
19...	.004	.06	.002	.016	.010	118	3	.01

PYRAMID AND WINNEMUCCA LAKES BASIN

10336674 WARD CREEK BELOW CONFLUENCE NEAR TAHOE CITY, CA

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 39°08'27", long 120°12'40", in SE $^1/_4$ SE $^1/_4$ sec.16, T.15 N., R.16 E., Placer County, Hydrologic Unit 16050101, Tahoe National Forest, on left bank, 0.1 mi downstream from confluence with unnamed tributary, 3.2 mi west of William Kent Campground, and 4.8 mi southwest of Tahoe City.

DRAINAGE AREA.--4.96 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,600 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. No storage or diversion upstream from station. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 1,220 ft^3/s, January 1, 1997, gage height, 8.85 ft, from crest stage gage; no flow for some days in most years.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 50 ft^3/s and maximum(*):

		Discharge	Gage height			Discharge	Gage height
Date	Time	(ft^3/s)	(ft)	Date	Time	(ft^3/s)	(ft)
Apr 14	1800	124	4.92	May 30	1745	141	4.99

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.36	0.49	e1.3	3.4	3.1	7.2	19	18	84	e13	0.98	0.33
2	0.34	0.40	3.5	3.6	2.9	6.6	24	19	63	e12	0.93	0.31
3	0.34	0.37	2.2	3.9	2.8	6.3	32	27	59	e9.9	0.89	0.29
4	0.32	0.35	1.3	3.3	2.8	6.5	44	38	63	e9.0	0.85	0.30
5	0.31	0.35	1.3	3.4	2.8	6.5	42	49	67	e7.6	0.78	0.32
6	0.32	0.32	e1.5	e13	2.8	9.1	35	57	66	e7.0	0.75	0.38
7	0.33	0.27	1.8	12	2.9	8.1	36	58	60	e6.5	0.72	0.41
8	0.34	0.26	1.6	8.8	2.7	6.9	42	51	52	e5.7	0.68	0.42
9	0.37	0.25	1.5	7.0	2.6	6.4	38	50	41	e5.4	0.63	0.41
10	0.39	0.26	1.4	6.1	2.6	6.0	39	45	37	e5.0	0.59	0.37
11	0.38	e0.65	1.3	5.7	2.7	6.0	43	44	35	4.3	0.56	0.34
12	0.35	0.80	1.3	5.5	2.8	6.8	50	51	35	4.2	0.53	0.31
13	0.37	0.85	1.4	5.2	2.8	6.2	52	63	37	3.9	0.49	0.30
14	0.38	1.1	1.9	5.1	2.7	5.8	80	72	36	3.5	0.50	0.28
15	0.36	0.88	1.3	4.8	2.7	5.5	58	75	32	3.1	0.50	0.25
16	0.33	0.65	1.3	4.9	2.7	5.2	34	79	30	2.9	0.49	0.29
17	0.32	0.52	1.4	4.7	2.7	5.2	26	92	29	2.8	0.47	0.34
18	0.33	0.46	1.3	4.6	2.6	4.9	22	97	30	2.8	0.46	0.35
19	0.34	0.40	1.3	4.4	2.8	4.8	20	72	28	2.6	0.45	0.34
20	0.31	0.40	1.3	4.3	10	5.1	18	52	28	2.4	0.46	0.33
21	0.31	e2.0	1.2	4.3	9.0	5.5	17	40	26	2.2	0.49	0.32
22	0.31	e3.7	1.3	4.1	8.7	6.2	19	36	23	2.0	0.50	0.30
23	0.29	e1.7	1.2	3.8	9.1	6.1	22	35	22	1.9	0.49	0.29
24	0.29	e3.8	1.2	3.8	7.3	5.7	26	39	e23	1.7	0.47	0.28
25	0.31	e2.8	1.2	3.8	7.0	5.8	36	47	e21	1.5	0.44	0.27
26	0.30	e1.6	1.4	e4.1	7.1	5.9	37	55	e19	1.4	0.42	0.28
27	0.30	e1.2	1.4	3.6	7.2	6.6	29	66	e17	1.3	0.41	0.27
28	0.31	e1.2	1.4	3.3	7.3	7.9	24	74	e16	1.2	0.39	0.32
29	0.31	e1.2	1.5	3.3	---	10	22	81	e15	1.1	0.38	0.37
30	e0.86	e1.2	2.3	3.2	---	13	20	91	e14	1.0	0.37	0.41
31	e0.78	---	4.5	3.1	---	15	---	93	---	1.0	0.36	---
TOTAL	11.26	30.43	49.8	154.1	125.2	212.8	1006	1766	1108	129.9	17.43	9.78
MEAN	0.363	1.014	1.606	4.971	4.471	6.865	33.53	56.97	36.93	4.190	0.562	0.326
MAX	0.86	3.8	4.5	13	10	15	80	97	84	13	0.98	0.42
MIN	0.29	0.25	1.2	3.1	2.6	4.8	17	18	14	1.0	0.36	0.25
AC-FT	22	60	99	306	248	422	2000	3500	2200	258	35	19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	0.660	1.797	4.691	10.34	7.002	11.75	26.81	60.74	51.40	19.75	2.809	0.643
MAX	1.43	9.82	27.2	68.8	32.5	26.9	43.1	93.5	127	88.7	16.0	1.94
(WY)	1999	1997	1997	1997	1996	1995	1997	1996	1998	1995	1995	1995
MIN	0.11	0.45	0.69	0.82	0.95	5.85	16.2	20.5	3.67	0.81	0.025	0.008
(WY)	1993	1996	1995	1992	1994	1994	1998	1992	1992	1994	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1992 - 2002	
ANNUAL TOTAL	2816.46		4620.70			
ANNUAL MEAN	7.716		12.66		16.56	
HIGHEST ANNUAL MEAN					29.0	1995
LOWEST ANNUAL MEAN					5.56	1992
HIGHEST DAILY MEAN	103	May 15	97	May 18	720	Jan 2 1997
LOWEST DAILY MEAN	0.13	Sep 10	0.25	Nov 9	0.00	Aug 21 1992
ANNUAL SEVEN-DAY MINIMUM	0.16	Sep 4	0.29	Sep 21	0.00	Sep 9 1992
MAXIMUM PEAK FLOW			141	May 30	1220	Jan 1 1997
MAXIMUM PEAK STAGE			4.99	May 30	8.85	Jan 1 1997
ANNUAL RUNOFF (AC-FT)	5590		9170		12000	
10 PERCENT EXCEEDS	27		43		51	
50 PERCENT EXCEEDS	1.4		2.9		3.3	
90 PERCENT EXCEEDS	0.25		0.33		0.38	

e Estimated

10336674 WARD CREEK BELOW CONFLUENCE NEAR TAHOE CITY, CA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1993 to current year.

REMARKS.--In October 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT								
22...	1055	.35	--	50	10.0	4.5	.003	.07
30...	1325	E.86	--	55	4.1	5.5	<.003	.81
NOV								
28...	1025	E1.2	--	46	-1.5	1.0	.005	.11
DEC								
29...	1445	1.4	--	46	3.0	2.0	.004	.11
JAN								
06...	1700	21	--	37	.0	.0	.004	.39
24...	1050	3.8	--	41	-3.5	.5	<.003	.27
FEB								
20...	1430	13	--	36	6.0	1.5	<.003	.23
MAR								
04...	1415	6.5	--	40	5.5	3.0	<.003	.19
APR								
02...	1525	24	--	35	11.0	2.0	<.003	.31
05...	1025	42	--	35	9.1	2.1	.003	.33
15...	1100	53	--	31	-.5	2.0	<.003	.21
24...	1630	25	--	33	13.8	3.8	.005	.18
MAY								
06...	0915	42	--	31	9.5	2.5	<.003	.09
06...	1545	66	--	27	12.0	3.2	<.003	.16
15...	0950	58	7.1	28	12.0	3.0	<.003	.13
16...	1540	94	--	25	17.5	3.8	.003	.14
29...	1600	107	--	23	22.0	5.5	.004	.20
JUN								
06...	1425	69	--	24	22.0	8.0	--	--
06...	1640	83	--	23	21.5	6.5	.003	.26
13...	1040	28	--	28	20.0	6.1	.005	.15
20...	1040	26	--	28	--	7.3	.006	.19
JUL								
17...	1230	2.8	--	37	23.8	15.0	.006	.06
AUG								
21...	1240	.52	--	43	19.8	14.3	.003	.05
SEP								
19...	1320	.35	--	45	19.0	13.0	.003	<.04

10336674 WARD CREEK BELOW CONFLUENCE NEAR TAHOE CITY, CA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT						
22...	.002	.006	.002	22	<1	<.01
30...	.004	.301	.009	2660	134	E.31
NOV						
28...	.038	.009	.001	17	1	<.01
DEC						
29...	.002	.009	.002	14	2	.01
JAN						
06...	.035	.029	.002	195	10	.57
24...	.008	.022	.001	6	1	.01
FEB						
20...	.013	.015	.003	82	5	.18
MAR						
04...	.006	.009	.003	12	1	.02
APR						
02...	.012	.019	.002	134	9	.58
05...	.033	.015	.003	56	5	.57
15...	.027	.013	.002	83	8	1.1
24...	.019	.009	.001	25	2	.14
MAY						
06...	.017	.007	.003	31	3	.34
06...	.015	.020	.003	219	20	3.6
15...	.014	.011	.003	40	5	.78
16...	.011	.027	.004	--	26	6.6
29...	.015	.041	.004	477	53	15.3
JUN						
06...	--	--	--	--	20	3.7
06...	.013	.030	.003	100	31	6.9
13...	.005	.010	.004	47	2	.15
20...	.004	.016	.004	66	4	.28
JUL						
17...	.005	.023	.006	12	2	.02
AUG						
21...	.002	.014	.003	19	1	<.01
SEP						
19...	.002	.009	.004	20	1	<.01

Remark Codes Used in This report:
  < -- Less than
  E -- Estimated

PYRAMID AND WINNEMUCCA LAKES BASIN

10336675 WARD CREEK AT STANFORD ROCK TRAIL CROSSING NEAR TAHOE CITY, CA

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 39°08'13", long 120°10'48", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ sec.23, T.15 N., R.16 E., Placer County, Hydrologic Unit 16050101, Tahoe National Forest, on left bank, 1.5 mi west of William Kent Campground, 1.7 mi upstream from mouth, and 3.6 mi southwest of Tahoe City.

DRAINAGE AREA.--8.97 mi^2.

PERIOD OF RECORD.--Water years 1993 to current year.

REMARKS.--In October 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT												
22...	1215	--	88	12.2	7.0	--	--	--	--	--	--	<1
30...	1530	--	89	4.0	6.2	<.003	.31	.004	.050	.033	154	--
NOV												
28...	1210	--	61	--	1.5	.004	.14	.003	.016	.004	32	1
JAN												
24...	1255	--	50	--	.0	<.003	.19	.002	.029	.003	25	<1
FEB												
20...	1600	--	44	4.0	2.0	<.003	.27	.002	.017	.002	72	3
MAR												
04...	1630	--	49	--	3.5	<.003	.19	.002	.013	.005	21	--
APR												
02...	1710	--	42	--	2.7	<.003	.33	.003	.029	.003	207	13
05...	1200	--	41	--	4.0	.003	.04	.020	.016	.002	70	--
15...	1230	--	37	--	3.5	.003	.23	.019	.016	.004	118	8
24...	1800	--	40	--	5.3	.004	.14	.008	.011	.002	42	2
MAY												
06...	1050	--	37	--	5.0	<.003	.22	.005	.008	.002	39	1
06...	1730	--	33	--	5.0	<.003	.19	.005	.031	.003	284	38
15...	1120	7.2	34	--	6.0	<.003	E.08	.005	.012	.004	46	3
16...	1720	--	31	--	6.0	<.003	.16	.010	.023	.005	--	17
29...	1735	--	28	--	6.5	<.003	E.07	<.002	.034	.001	306	27
JUN												
06...	1755	--	28	--	7.8	<.003	.15	.002	.026	.002	88	11
13...	1205	--	33	--	9.5	.005	.15	.002	.011	.004	66	2
20...	1200	--	33	--	11.0	.005	.10	.004	.018	.004	58	2
JUL												
17...	1355	--	49	--	--	.009	.07	.004	.035	.005	24	1
AUG												
21...	1500	--	75	--	17.8	<.003	.06	.002	.024	.011	47	2
SEP												
19...	1435	--	81	--	14.5	.005	.09	.004	.023	.015	68	2

Remark Codes Used in This report:
< -- Less than

PYRAMID AND WINNEMUCCA LAKES BASIN

10336676 WARD CREEK AT STATE HIGHWAY 89, NEAR TAHOE PINES, CA

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 39°07'56", long 120°09'24", in NW $^1/_4$ SE $^1/_4$ sec.24, T.15 N., R.16 E., Placer County, Hydrologic Unit 16050101, Tahoe National Forest, on right bank 165 ft downstream from State Highway 89 Bridge, 2.1 mi north of Tahoe Pines, and 2.6 mi southwest of Tahoe City.

DRAINAGE AREA.—9.70 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1972 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 6,230 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Minor diversions for local water supply upstream from station. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 2,530 ft^3/s, January 1, 1997, gage height, 9.36 ft; no flow for many days during several years.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 100 ft^3/s and maximum(*):

		Discharge	Gage height			Discharge	Gage height
Date	Time	(ft^3/s)	(ft)	Date	Time	(ft^3/s)	(ft)
Apr 14	1815	218	5.73	May 18	1915	195	5.66

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.09	0.85	3.4	7.3	e6.3	e14	35	37	112	15	1.5	0.33
2	0.06	0.66	e5.2	8.0	e5.9	e13	42	39	89	14	1.4	0.30
3	0.05	0.60	e6.6	8.8	e5.7	13	51	50	80	13	1.3	0.28
4	0.03	0.61	e5.4	7.0	e5.6	12	66	65	83	12	1.3	0.28
5	0.06	0.59	4.5	7.1	e5.6	12	65	78	90	11	1.2	0.30
6	0.08	0.62	3.9	e21	e5.6	20	58	89	88	10	1.1	0.36
7	0.09	0.65	4.4	e16	e5.7	20	59	92	81	9.1	1.0	0.45
8	0.09	0.64	3.4	e15	e5.5	18	67	82	71	8.2	0.96	0.49
9	0.10	0.64	3.0	14	e5.4	15	70	78	58	7.4	0.89	0.52
10	0.12	0.64	2.7	12	e5.3	13	70	72	51	6.9	0.85	0.48
11	0.13	2.0	2.5	11	e4.9	13	76	67	47	6.2	0.76	0.44
12	0.13	2.1	2.4	11	4.8	14	88	74	47	6.1	0.66	0.39
13	0.16	1.7	2.4	e11	4.7	13	91	87	50	5.8	0.58	0.36
14	0.17	1.5	e2.5	e10	4.6	12	130	99	49	5.1	0.55	0.34
15	0.18	1.6	e2.7	e10	4.5	e12	107	105	45	4.6	0.47	0.36
16	0.17	1.4	e3.0	9.2	4.5	e12	65	106	41	4.3	0.44	0.38
17	0.18	1.1	e3.2	e9.2	4.5	e12	52	122	39	4.0	0.44	0.33
18	0.19	0.99	e3.1	e8.9	4.3	e11	43	131	39	4.3	0.41	0.29
19	0.21	0.93	e3.1	e8.8	5.3	e11	38	106	38	4.1	0.40	0.30
20	0.22	0.90	3.0	e8.7	e16	11	36	84	37	3.6	0.39	0.30
21	0.24	5.4	2.4	e8.4	16	12	36	66	35	3.4	0.44	0.25
22	0.26	17	2.4	e8.2	15	13	39	57	32	3.0	0.47	0.23
23	0.27	4.6	2.5	e7.9	e15	14	44	54	29	2.8	0.51	0.22
24	0.29	18	2.1	e7.7	14	12	49	57	27	2.5	0.50	0.21
25	0.29	9.0	e2.2	e7.6	14	12	62	64	25	2.4	0.46	0.22
26	0.33	5.4	2.3	e7.5	14	12	65	72	25	2.2	0.42	0.23
27	0.41	3.8	2.4	e7.4	14	13	54	82	23	2.1	0.40	0.22
28	0.51	3.4	2.7	e7.2	e14	15	47	92	20	1.9	0.39	0.23
29	0.53	e3.1	2.9	e7.1	---	19	44	101	18	1.8	0.40	0.27
30	2.4	e3.2	3.9	e6.9	---	24	39	114	17	1.6	0.38	0.31
31	1.8	---	e10	e6.6	---	29	---	120	---	1.6	0.37	---
TOTAL	9.84	93.62	106.2	296.5	230.7	446	1788	2542	1486	180.0	21.34	9.67
MEAN	0.317	3.121	3.426	9.565	8.239	14.39	59.60	82.00	49.53	5.806	0.688	0.322
MAX	2.4	18	10	21	16	29	130	131	112	15	1.5	0.52
MIN	0.03	0.59	2.1	6.6	4.3	11	35	37	17	1.6	0.37	0.21
AC-FT	20	186	211	588	458	885	3550	5040	2950	357	42	19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3.029	10.25	11.88	16.81	14.65	21.03	42.84	91.44	74.02	21.88	3.793	1.720
MAX	22.4	73.9	92.5	144	77.7	80.3	89.2	177	265	123	26.9	7.93
(WY)	1983	1982	1982	1997	1982	1986	1989	1996	1983	1983	1983	1983
MIN	0.15	1.06	0.80	1.10	1.24	2.52	8.06	18.7	4.59	1.00	0.003	0.005
(WY)	1978	1978	1977	1991	1991	1977	1975	1977	1992	2001	1977	1977

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1973 - 2002	
ANNUAL TOTAL	3897.08		7209.87			
ANNUAL MEAN	10.68		19.75		26.13	
HIGHEST ANNUAL MEAN					59.0	1983
LOWEST ANNUAL MEAN					5.29	1977
HIGHEST DAILY MEAN	109	May 15	131	May 18	1390	Jan 1 1997
LOWEST DAILY MEAN	0.00	Aug 13	0.03	Oct 4	0.00	Aug 4 1977
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 13	0.07	Oct 1	0.00	Aug 4 1977
MAXIMUM PEAK FLOW			218	Apr 14	2530	Jan 1 1997
MAXIMUM PEAK STAGE			5.73	Apr 14	9.36	Jan 1 1997
ANNUAL RUNOFF (AC-FT)	7730		14300		18930	
10 PERCENT EXCEEDS	41		68		75	
50 PERCENT EXCEEDS	2.3		5.7		6.6	
90 PERCENT EXCEEDS	0.00		0.29		0.87	

e Estimated

10336676 WARD CREEK AT STATE HIGHWAY 89, NEAR TAHOE PINES, CA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1973-78, 1980 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1980 to September 1983.

WATER TEMPERATURE: October 1972 to June 1978 (storm season only for water years 1977-78), October 1979 to September 1992.

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to June 1978 (storm season only for water years 1977-78), October 1979 to September 1992.

REMARKS.--In October 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT									
22...	1415	.27	607	9.2	99	--	85	16.0	8.5
30...	1630	2.4	603	9.4	96	--	84	3.5	6.2
30...	1955	7.4	--	--	--	--	91	2.5	5.2
NOV									
12...	1500	2.1	--	--	--	--	69	4.0	4.0
21...	1445	3.2	603	10.5	101	--	71	3.5	3.8
21...	1945	12	--	--	--	--	69	4.0	4.0
22...	0840	20	600	11.1	99	--	54	.5	1.0
24...	1440	33	--	--	--	--	48	-1.0	.6
28...	1305	3.4	599	11.2	100	--	66	.0	.8
DEC									
29...	1650	3.1	--	--	--	--	62	1.0	.5
31...	1320	15	607	11.4	98	--	55	7.5	.0
JAN									
06...	1255	40	--	--	--	--	47	4.5	.0
07...	1425	20	612	11.1	100	--	51	--	2.0
24...	1355	29	610	11.6	99	--	56	2.1	.0
FEB									
20...	0900	22	604	11.6	100	--	49	3.2	.0
MAR									
04...	1725	13	607	10.4	98	--	52	1.0	3.5
APR									
02...	1800	50	604	10.6	100	--	44	5.0	3.0
05...	0650	68	--	--	--	--	42	-.2	1.5
11...	1055	66	609	10.6	100	--	42	12.0	3.5
15...	0725	118	--	--	--	--	37	-1.5	1.3
24...	1840	52	--	--	--	--	41	10.1	6.0
MAY									
06...	1135	68	--	--	--	--	38	14.1	6.0
06...	1810	122	--	--	--	--	35	10.9	5.3
15...	0635	96	--	--	--	7.2	35	2.0	2.0
16...	1810	132	605	9.7	100	--	32	16.0	6.5
22...	1105	56	--	--	--	--	38	5.0	5.0
29...	1825	135	608	9.6	101	--	29	19.5	7.5
JUN									
06...	1840	109	--	--	--	--	29	18.5	8.5
13...	1255	46	608	8.7	100	--	34	23.0	11.5
20...	1245	35	--	--	--	--	34	22.0	12.5
JUL									
17...	1455	3.9	609	7.2	101	--	51	25.0	20.5
AUG									
21...	1545	.45	608	7.6	100	--	71	18.0	17.5
SEP									
19...	1555	.30	608	7.9	99	--	78	21.5	15.0

10336676 WARD CREEK AT STATE HIGHWAY 89, NEAR TAHOE PINES, CA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT								
22...	<.003	.15	.002	.017	.009	94	<1	<.01
30...	<.003	.35	.004	.041	.020	234	4	.03
30...	<.003	.91	.004	.113	.022	1420	27	.54
NOV								
12...	.007	.20	.003	.034	.016	120	7	.04
21...	.003	.15	.003	.031	.015	136	5	.04
21...	<.003	.34	.003	.067	.021	959	17	.55
22...	<.003	.25	.057	.032	.006	233	9	.49
24...	.003	.30	.026	.041	.006	267	10	.89
28...	.005	.12	.002	.014	.005	48	1	.01
DEC								
29...	.004	.14	.002	.021	.006	50	2	.02
31...	.003	.20	.004	.020	.006	136	3	.12
JAN								
06...	.006	.32	.011	.035	.008	321	13	1.4
07...	.007	.50	.014	.017	.007	55	2	.11
24...	<.003	.17	.002	.031	.005	31	1	.08
FEB								
20...	<.003	.18	.008	.024	.007	169	5	.30
MAR								
04...	<.003	.12	.003	.015	.006	29	2	.07
APR								
02...	<.003	.62	.002	.028	.002	310	20	2.7
05...	<.003	.26	.017	.025	.003	148	10	1.8
11...	.003	.11	.002	.013	.004	61	4	.71
15...	<.003	.23	.025	.023	.004	222	15	4.8
24...	.004	.17	.004	.013	.003	72	4	.56
MAY								
06...	<.003	.25	.002	.011	.003	50	3	.55
06...	<.003	.19	.003	.033	.002	364	22	7.2
15...	<.003	.13	.012	.014	.004	65	5	1.3
16...	<.003	.14	.002	.023	.005	--	17	6.1
22...	<.003	.17	.003	.013	.004	39	5	.76
29...	<.003	.40	.002	.032	.002	294	23	8.4
JUN								
06...	.003	.12	.002	.025	.002	177	8	2.4
13...	.004	.11	.002	.011	.004	79	3	.37
20...	.003	.07	.003	.017	.004	43	2	.19
JUL								
17...	.005	<.04	.003	.033	.010	26	2	.02
AUG								
21...	<.003	.07	.003	.022	.007	34	1	<.01
SEP								
19...	.003	.34	.003	.015	.010	54	2	<.01

Remark Codes Used in This report:
< -- Less than

PYRAMID AND WINNEMUCCA LAKES BASIN

10336688 FIRST CREEK NEAR CRYSTAL BAY, NV

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 39°15'00", long 119°59'18", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ sec.17, T.16 N., R.18 E., Washoe County, Hydrologic Unit 16050101, on left bank, 20 ft upstream of culvert on State Highway 28, 400 ft upstream of mouth, 1.6 mi northeast of Crystal Bay, and 2.2 mi west of Incline Village.

DRAINAGE AREA.--1.07 mi^2.

PERIOD OF RECORD.--Water years 1970-73, 1991 to current year.

REMARKS.--In April 1991, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
MAR									
18...	1040	.37	609	11.6	99	7.4	105	-3.0	.0
APR									
08...	1520	2.1	--	--	--	--	65	12.5	6.5
MAY									
10...	1250	1.5	--	--	--	--	59	8.0	5.5
JUN									
11...	1030	1.3	608	9.7	98	7.5	53	11.5	6.0
AUG									
05...	1225	.22	608	8.8	98	7.1	84	18.0	10.0

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAR								
18...	.003	.18	.003	.013	.005	231	5	<.01
APR								
08...	.003	1.6	.006	.039	.009	406	38	.22
MAY								
10...	<.003	1.3	.003	.026	.006	463	11	.04
JUN								
11...	.003	.11	.005	.022	.007	167	10	.04
AUG								
05...	.015	.21	.006	.031	.011	313	5	<.01

Remark Codes Used in This report:
< -- Less than

PYRAMID AND WINNEMUCCA LAKES BASIN

10336694 WOOD CREEK AT MOUTH NEAR CRYSTAL BAY, NV

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 39°l4'35", long 119°57'30", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.21, T.16 N., R.18 E., Washoe County, Hydrologic Unit 16050101, on right bank, 20 ft upstream of culvert on Lakeshore Drive, 600 ft upstream of mouth, 0.6 mi west of Incline Village, and 2.6 mi northeast of Crystal Bay.

DRAINAGE AREA.--1.97 mi^2.

PERIOD OF RECORD.--Water years 1970-73 (at site 600 ft downstream of current site), 1991 to current year.

REMARKS.--In April 1991, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
MAR									
18...	1210	2.4	610	--	--	7.1	65	-.5	.0
APR									
08...	1640	4.5	--	--	--	--	50	11.5	6.5
MAY									
10...	1435	4.0	--	--	--	--	47	7.0	7.0
JUN									
11...	1230	1.7	609	9.3	98	7.7	48	16.5	8.0
AUG									
05...	1450	.27	607	8.4	99	7.4	62	19.5	12.5

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAR								
18...	<.003	.18	.019	.021	.008	278	4	.03
APR								
08...	.003	.21	.013	.086	.015	467	41	.50
MAY								
10...	<.003	.20	.007	.034	.014	424	8	.09
JUN								
11...	<.003	.08	.004	.029	.013	308	9	.04
AUG								
05...	.005	.15	.003	.047	.018	322	5	<.01

Remark Codes Used in This report:
< -- Less than

PYRAMID AND WINNEMUCCA LAKES BASIN

103366974 ROSEWOOD CREEK BELOW HIGHWAY 28 AT INCLINE VILLAGE, NV

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 39°14'52", long 119°56'36", in SW $^{1}/_{4}$ se $^{1}/_{4}$ sec.15, T.16 N., R.18 E., Douglas County, Hydrologic Unit 16050101, on right bank, 50 feet upstream of confluence with Third Creek, 375 feet south of State Highway 28, and 1.0 mi east of intersection of Southwood Boulevard and State Highway 28.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--March 2001 to current year.

REMARKS.--In March 2001, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
MAR									
18...	1425	.83	608	11.1	97	7.1	256	1.5	.5
29...	1725	2.0	--	--	--	--	225	11.0	5.5
APR									
05...	1540	1.9	--	--	--	--	230	7.5	8.0
08...	1805	1.4	--	--	--	--	222	10.5	6.5
MAY									
06...	1620	1.0	--	--	--	--	210	13.5	10.5
JUN									
11...	1415	.37	607	8.3	96	7.7	156	19.5	11.5
JUL									
17...	1745	E.90	--	--	--	--	164	12.0	11.0
AUG									
06...	1340	.13	606	8.2	95	7.2	110	18.0	11.5

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAR									
18...	.008	.40	.031	.041	.006	1650	--	33	.07
29...	.004	2.3	.115	.367	.011	2500	46	301	1.6
APR									
05...	.005	.14	.070	.060	.012	2070	--	38	.19
08...	.003	.25	.057	.049	.011	121	--	29	.11
MAY									
06...	<.003	.22	.012	.039	.012	1000	--	11	.03
JUN									
11...	.004	.10	.013	.029	.014	5400	--	5	.0
JUL									
17...	.006	.71	.034	.629	.022	13000	95	266	E.65
AUG									
06...	.012	.33	.022	.049	.019	565	--	4	.0

Remark Codes Used in This report:
< -- Less than
E -- Estimated

PYRAMID AND WINNEMUCCA LAKES BASIN

10336698 THIRD CREEK NEAR CRYSTAL BAY, NV

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 39°14'26", long 119°56'44", in SW $^1/_4$ NE $^1/_4$ sec.22, T.16 N., R.18 E., Washoe County, Hydrologic Unit 16050101, on right bank, 50 ft upstream from culvert on Lakeshore Boulevard, 600 ft upstream from mouth, and 3 mi east of Crystal Bay.

DRAINAGE AREA.--6.02 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1969 to September 1973, February to September 1975, and October 1977 to current year.

REVISED RECORDS.--WDR NV-78-1: Drainage area. WDR NV-00-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,234.03 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. One transmountain diversion to Washoe Valley. See schematic diagram of Pyramid and Winnemucca Lakes Basin. Flow temporarily diverted from Incline Creek into Third Creek, August 23, 1999 to October 1, 1999, for Incline Creek restoration project.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 150 ft^3/s, June 18, 1982, gage height, 3.40 ft; maximum gage height, 3.77 ft, January 23, 1973; minimum daily, 0.66 ft^3/s, October 13, 14, 16-19, November 1-4, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 30 ft3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 8	1945	20	2.63	No other peaks greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.85	1.4	2.4	2.8	e2.5	e3.4	6.4	7.3	28	3.8	1.4	1.1
2	0.88	1.3	2.9	3.4	2.4	e3.4	7.4	7.1	24	3.4	1.4	1.1
3	0.85	1.3	e2.4	3.2	2.3	e3.4	8.9	7.8	22	3.0	1.3	1.1
4	0.86	1.3	e2.8	e2.8	2.4	3.2	9.8	8.9	23	3.0	1.3	1.1
5	0.87	1.3	e2.4	2.8	2.4	3.3	9.5	10	24	3.0	1.3	1.2
6	0.91	1.4	e2.4	4.0	2.3	4.3	8.6	13	22	2.8	1.4	1.3
7	0.93	1.4	e2.3	3.6	2.4	4.2	8.1	14	20	2.7	1.3	1.4
8	0.96	1.5	e2.3	3.3	2.3	e4.0	8.4	14	18	2.6	1.2	1.3
9	0.98	1.4	e2.3	3.1	2.3	e3.7	8.1	13	17	2.4	1.2	1.2
10	1.0	1.5	e2.3	3.0	2.4	3.5	7.2	12	15	2.3	1.2	1.2
11	1.1	2.0	e2.2	3.0	2.5	3.4	7.6	11	13	2.2	1.1	1.2
12	1.1	1.9	e2.2	3.1	2.5	3.5	9.1	13	11	2.2	1.1	1.2
13	1.1	1.7	e2.3	3.1	2.5	3.4	10	16	11	2.2	1.0	1.2
14	1.1	1.7	e3.0	e3.0	2.6	e3.2	12	18	11	2.1	1.0	1.2
15	1.1	1.7	e2.4	e3.0	2.6	e3.4	13	19	9.8	2.0	1.0	1.2
16	1.1	1.6	e2.8	e3.0	2.6	e3.3	10	21	9.0	2.0	1.0	1.2
17	1.1	1.6	e2.5	e3.0	2.6	e3.2	9.0	23	8.7	2.4	1.0	1.3
18	1.1	1.5	2.5	e3.0	2.6	e3.0	8.0	25	8.9	2.7	1.0	1.4
19	1.2	1.5	2.5	e3.0	2.7	e2.9	7.6	23	7.8	2.3	1.0	1.4
20	1.1	1.5	2.5	e2.8	3.2	3.1	7.4	20	6.5	2.1	1.1	1.4
21	1.1	2.0	2.5	e2.8	3.2	3.3	7.4	15	6.2	2.0	1.1	1.3
22	1.2	3.3	2.5	e2.8	3.5	3.5	7.6	14	6.0	1.8	1.1	1.2
23	1.2	2.2	2.5	e2.7	3.5	3.4	8.2	14	5.7	1.8	1.1	1.2
24	1.2	5.1	e2.6	e2.7	3.3	3.1	8.9	15	5.2	1.7	1.1	1.2
25	1.2	2.8	e2.4	e2.6	3.3	3.0	9.9	17	5.1	1.7	1.1	1.2
26	1.2	e2.5	2.3	2.4	3.5	3.2	11	19	4.9	1.7	1.1	1.3
27	1.2	e2.4	2.3	2.3	3.5	3.5	9.4	20	4.7	1.6	1.1	1.3
28	1.3	e2.3	2.6	e2.8	3.5	3.9	8.1	21	4.4	1.6	1.1	1.5
29	1.3	e2.3	2.9	e2.6	---	4.4	8.4	25	4.1	1.5	1.1	1.3
30	1.7	e2.3	2.9	e2.5	---	4.8	7.7	29	4.0	1.4	1.1	0.98
31	1.5	---	3.4	e2.5	---	5.5	---	31	---	1.4	1.1	---
TOTAL	34.29	57.7	78.3	90.7	77.4	110.4	262.7	516.1	360.0	69.4	35.4	37.18
MEAN	1.106	1.923	2.526	2.926	2.764	3.561	8.757	16.65	12.00	2.239	1.142	1.239
MAX	1.7	5.1	3.4	4.0	3.5	5.5	13	31	28	3.8	1.4	1.5
MIN	0.85	1.3	2.2	2.3	2.3	2.9	6.4	7.1	4.0	1.4	1.0	0.98
AC-FT	68	114	155	180	154	219	521	1020	714	138	70	74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2002, BY WATER YEAR (WY)

MEAN	3.489	4.335	4.324	4.676	4.528	6.256	9.697	19.80	23.02	10.82	3.957	3.108
MAX	9.10	11.0	8.84	17.1	9.05	13.5	20.2	41.2	50.3	53.9	15.7	8.71
(WY)	1984	1985	1996	1997	1986	1986	1986	1997	1982	1995	1983	1999
MIN	0.79	1.50	2.31	2.09	2.35	3.56	5.13	3.84	1.81	1.17	0.94	0.94
(WY)	1978	1978	1995	1985	1978	2002	1988	1988	2001	1994	1994	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1970 - 2002	
ANNUAL TOTAL	1058.98		1729.57			
ANNUAL MEAN	2.901		4.739		8.132	
HIGHEST ANNUAL MEAN					14.1	1983
LOWEST ANNUAL MEAN					2.92	1988
HIGHEST DAILY MEAN	14	May 9	31	May 31	99	Jun 19 1982
LOWEST DAILY MEAN	0.85	Oct 1	0.85	Oct 1	0.66	Oct 13 1977
ANNUAL SEVEN-DAY MINIMUM	0.86	Sep 29	0.88	Oct 1	0.67	Oct 13 1977
MAXIMUM PEAK FLOW			38	May 30	150	Jun 18 1982
MAXIMUM PEAK STAGE			a2.99	Dec 19	3.77	Jan 23 1973
ANNUAL RUNOFF (AC-FT)	2100		3430		5890	
10 PERCENT EXCEEDS	5.6		12		20	
50 PERCENT EXCEEDS	2.3		2.6		4.4	
90 PERCENT EXCEEDS	0.96		1.1		1.7	

a Backwater from ice.
e Estimated

10336698 THIRD CREEK NEAR CRYSTAL BAY, NV--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970-73, 1978-1984, 1988 to current year.

REMARKS.--In November 1987, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT									
05...	1310	.90	--	--	--	--	77	16.0	10.0
NOV									
05...	1440	1.3	--	--	--	--	80	14.0	7.0
DEC									
04...	1525	E2.8	600	11.6	101	7.4	81	-1.5	.0
JAN									
07...	1320	3.4	--	--	--	--	130	8.0	3.5
FEB									
04...	1330	2.4	--	--	--	--	100	4.0	1.0
MAR									
04...	1400	3.2	--	--	--	7.4	126	8.0	4.5
21...	1245	3.1	--	--	--	--	139	13.5	5.5
29...	1530	4.8	--	--	--	--	142	12.5	7.5
APR									
01...	1125	5.6	--	--	--	--	118	11.0	5.0
02...	1740	9.0	--	--	--	--	103	11.5	7.0
05...	1645	9.3	--	--	--	--	96	8.0	6.0
08...	1905	9.7	--	--	--	--	81	8.5	6.5
22...	1645	7.8	--	--	--	--	79	11.5	8.5
24...	1235	8.4	--	--	--	--	66	4.0	5.5
24...	1730	9.0	--	--	--	--	67	11.0	8.0
MAY									
06...	1440	11	--	--	--	--	57	14.5	9.0
13...	1655	17	--	--	--	--	43	14.5	8.0
16...	1740	24	--	--	--	--	36	16.0	8.0
17...	1745	30	--	--	--	--	32	15.5	8.0
24...	1610	15	--	--	--	--	41	10.0	9.5
29...	1650	28	--	--	--	--	32	20.0	12.0
30...	1245	24	--	--	--	--	33	20.0	9.5
JUN									
03...	1800	24	604	8.8	100	6.5	32	15.5	10.5
JUL									
01...	1345	3.8	--	--	--	--	56	23.5	13.5
17...	1625	3.4	--	--	--	--	80	10.5	11.5
17...	1725	3.0	--	--	--	--	84	11.5	11.5
AUG									
13...	1445	.96	609	7.8	99	7.0	70	23.0	16.0
SEP									
16...	1250	1.3	--	--	--	--	75	15.0	9.0

PYRAMID AND WINNEMUCCA LAKES BASIN

10336698 THIRD CREEK NEAR CRYSTAL BAY, NV--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT									
05...	<.003	.04	.002	.023	.013	326	--	2	<.01
NOV									
05...	.003	.16	.004	.019	.004	338	--	2	.01
DEC									
04...	.006	.14	.003	.018	.007	320	--	6	E.05
JAN									
07...	.004	.21	.008	.024	.006	547	--	5	.05
FEB									
04...	<.003	.12	.012	.014	.003	338	--	2	.01
MAR									
04...	.004	.15	.012	.023	.006	--	--	3	.03
21...	<.003	.22	.006	.015	.004	598	--	3	.03
29...	.003	.73	.036	.067	.009	1620	--	18	.23
APR									
01...	<.003	.30	.033	.034	.007	915	--	7	.11
02...	<.003	.79	.045	.164	.009	887	--	58	1.4
05...	<.003	.21	.025	.043	.008	1270	--	12	.30
08...	.003	.06	.017	.047	.007	E363	--	14	.37
22...	.003	.36	.007	.027	.005	942	--	16	.34
24...	.003	.41	.009	.032	.005	1230	--	8	.18
24...	.003	.24	.007	.024	.005	840	--	6	.15
MAY									
06...	<.003	.26	.005	.029	.005	947	--	8	.24
13...	<.003	.26	.004	.087	.005	1860	--	34	1.6
16...	<.003	.72	.003	.089	.006	2620	--	69	4.5
17...	<.003	<.04	.004	.322	.007	100	27	208	16.8
24...	.004	.24	.003	.024	.005	608	--	6	.24
29...	<.003	.38	.005	.064	.005	1750	--	48	3.6
30...	<.003	.55	.006	.029	.004	608	--	21	1.4
JUN									
03...	<.003	.11	.003	.030	.006	468	--	9	.58
JUL									
01...	<.003	.12	.005	.035	.009	408	--	2	.02
17...	.004	.97	.008	.154	.016	3680	--	24	.22
17...	.004	1.9	.010	.884	.020	13500	96	304	2.5
AUG									
13...	.003	.10	.016	.023	.013	419	--	3	.01
SEP									
16...	.003	.07	.004	.019	.011	292	--	2	.01

Remark Codes Used in This report:
  < -- Less than
  E -- Estimated

PYRAMID AND WINNEMUCCA LAKES BASIN

103366993 INCLINE CREEK ABOVE TYROL VILLAGE NEAR INCLINE VILLAGE, NV

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 39°15'32", long 119°55'20", in SE $^1/_4$ SE $^1/_4$ sec.11, T.16 N., R.18 E., Washoe County, Hydrologic Unit 16050101, on right bank, 900 ft upstream from Tirol Drive, and about 1.5 mi northeast of Incline Village.

DRAINAGE AREA.--2.85 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1990 to current year.

REVISED RECORDS.--WDR NV-00-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,920 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52 ft^3/s, June 26, 1995 and January 2, 1997, gage height, 2.62 ft, maximum gage height, 2.71 ft; minimum daily, 0.18 ft^3/s, August 19, 1992.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5.0 ft^3/s or maximum::

	Date	Time	Discharge (ft^3/s)	Gage height (ft)		Date	Time	Discharge (ft^3/s)	Gage height (ft)
	Mar 16	0515	13	1.91	May 17	1745	14	1.88	May 17

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.57	0.93	1.1	1.1	e1.1	e1.9	3.4	4.6	8.4	3.0	1.6	1.2
2	0.56	0.88	1.2	1.1	e1.1	e1.9	4.0	4.7	7.8	2.9	1.6	1.2
3	0.57	0.87	1.2	1.0	e1.1	e1.5	5.1	6.0	7.3	2.8	1.6	1.1
4	0.58	0.86	1.2	1.00	e1.2	e1.4	5.8	7.4	6.9	2.8	1.6	1.1
5	0.59	0.87	1.1	0.95	e1.2	1.3	5.4	8.4	6.6	2.9	1.6	1.2
6	0.61	0.84	1.1	1.7	e1.2	1.3	5.2	9.2	6.5	2.8	1.6	1.4
7	0.62	0.84	1.2	1.4	e1.2	1.3	5.4	9.5	6.2	2.7	1.6	1.5
8	0.65	0.85	1.1	1.3	e1.2	1.3	5.9	9.2	5.9	2.6	1.5	1.4
9	0.68	0.87	1.1	1.2	e1.1	1.3	5.3	9.3	5.9	2.4	1.5	1.2
10	0.69	0.89	1.1	1.1	e1.2	1.2	5.8	8.7	5.6	2.3	1.4	1.2
11	0.68	1.6	1.1	1.1	e1.2	1.2	6.9	8.6	5.5	2.3	1.4	1.2
12	0.68	1.2	1.1	1.2	e1.3	1.3	8.1	9.2	5.2	2.4	1.4	1.2
13	0.68	1.1	1.0	1.2	e1.3	1.2	8.6	9.9	5.0	2.5	1.4	1.1
14	0.69	1.3	1.0	1.1	e1.3	1.2	9.0	10	4.9	2.3	1.5	1.1
15	0.70	1.2	1.0	1.2	e1.4	e1.3	8.0	10	4.6	2.2	1.4	1.1
16	0.70	1.1	1.0	1.2	e1.3	e1.3	5.9	10	4.4	2.1	1.4	1.2
17	0.73	1.0	1.0	1.2	e1.3	e1.3	5.0	11	4.5	2.6	1.2	1.2
18	0.74	0.99	1.0	1.1	e1.3	1.3	4.3	11	4.6	2.7	1.2	1.2
19	0.73	0.95	1.0	1.1	e1.3	1.4	3.8	11	4.4	2.4	1.2	1.2
20	0.73	0.96	1.0	1.1	e1.6	1.4	3.7	9.7	4.4	2.2	1.2	1.1
21	0.73	1.4	1.0	1.1	e1.6	1.4	3.9	8.9	4.2	2.1	1.3	1.1
22	0.75	2.0	1.0	1.1	e1.7	1.4	4.4	8.6	4.2	2.0	1.3	1.0
23	0.78	1.2	1.0	1.1	e1.8	1.4	5.0	8.4	4.0	1.9	1.3	1.0
24	0.77	1.8	0.98	1.1	e1.6	1.3	5.5	8.4	3.9	1.8	1.3	1.0
25	0.78	1.6	0.95	1.1	e1.6	1.3	6.4	8.6	3.7	1.8	1.2	1.0
26	0.78	1.5	0.95	1.1	e1.6	1.3	6.2	8.4	3.8	1.8	1.3	1.1
27	0.79	1.3	0.95	1.1	e1.6	1.6	5.5	8.3	3.7	1.8	1.3	1.1
28	0.79	1.2	0.97	e1.5	e1.6	1.9	5.3	8.4	3.4	1.7	1.3	1.1
29	0.79	1.2	1.1	e1.4	---	2.3	5.1	8.5	3.3	1.7	1.3	1.2
30	1.1	1.3	1.2	e1.3	---	2.6	4.8	8.5	3.1	1.7	1.3	1.2
31	1.1	---	1.1	e1.2	---	3.0	---	8.5	---	1.6	1.3	---
TOTAL	22.34	34.60	32.80	36.45	38.0	46.8	166.7	270.9	151.9	70.8	43.1	34.9
MEAN	0.721	1.153	1.058	1.176	1.357	1.510	5.557	8.739	5.063	2.284	1.390	1.163
MAX	1.1	2.0	1.2	1.7	1.8	3.0	9.0	11	8.4	3.0	1.6	1.5
MIN	0.56	0.84	0.95	0.95	1.1	1.2	3.4	4.6	3.1	1.6	1.2	1.0
AC-FT	44	69	65	72	75	93	331	537	301	140	85	69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2002, BY WATER YEAR (WY)

MEAN	2.056	2.109	2.003	2.274	2.063	2.892	5.366	9.986	9.909	5.714	2.909	2.063
MAX	3.99	3.60	3.57	7.42	3.94	5.39	11.0	21.6	26.8	22.5	9.30	5.05
(WY)	1996	1999	1996	1997	1996	1997	1997	1997	1995	1995	1995	1995
MIN	0.54	0.75	0.83	0.72	0.92	1.16	2.56	1.60	0.77	0.61	0.25	0.26
(WY)	1993	1993	1993	1991	1993	1991	1991	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1990 - 2002	
ANNUAL TOTAL	559.97		949.29			
ANNUAL MEAN	1.534		2.601		4.288	
HIGHEST ANNUAL MEAN					7.56	1995
LOWEST ANNUAL MEAN					1.02	1992
HIGHEST DAILY MEAN	4.7	Mar 28	11	May 17	36	Jun 26 1995
LOWEST DAILY MEAN	0.48	Aug 18	0.56	Oct 2	0.18	Aug 19 1992
ANNUAL SEVEN-DAY MINIMUM	0.50	Aug 13	0.59	Oct 1	0.21	Aug 1 1992
MAXIMUM PEAK FLOW			14	May 17	52	Jun 26 1995
MAXIMUM PEAK STAGE			1.91	Apr 14	2.71	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	1110		1880		3110	
10 PERCENT EXCEEDS	3.3		6.9		10	
50 PERCENT EXCEEDS	1.2		1.3		2.6	
90 PERCENT EXCEEDS	0.55		0.88		0.75	

e Estimated

103366993 INCLINE CREEK ABOVE TYROL VILLAGE NEAR INCLINE VILLAGE, NV--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.

REMARKS.--In November 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT									
05...	0905	.67	--	--	--	--	47	9.0	6.5
NOV									
05...	1005	.89	--	--	--	--	45	10.5	3.0
DEC									
04...	1010	1.4	584	13.1	119	7.9	42	1.0	.5
JAN									
07...	0845	1.4	--	--	--	--	39	5.5	2.0
FEB									
04...	0750	1.1	--	--	--	--	44	<-5.0	.0
MAR									
04...	0740	E1.4	--	--	--	7.0	42	-5.0	.5
29...	1135	1.7	--	--	--	--	36	7.0	2.5
APR									
01...	0820	2.7	--	--	--	--	32	.0	1.5
09...	1430	4.8	--	--	--	--	30	3.5	3.0
24...	1345	4.3	--	--	--	--	30	13.5	4.5
MAY									
06...	1115	7.5	--	--	--	--	29	9.0	3.5
13...	1420	9.1	--	--	--	--	28	15.0	7.0
16...	1440	11	--	--	--	--	27	18.0	8.0
JUN									
03...	1345	7.0	590	8.8	100	7.6	29	16.5	9.5
JUL									
01...	1025	3.4	--	--	--	--	36	16.0	7.5
AUG									
13...	0840	1.8	596	9.2	102	--	37	11.5	9.0
SEP									
16...	1025	1.3	--	--	--	--	39	11.5	5.0

103366993 INCLINE CREEK ABOVE TYROL VILLAGE NEAR INCLINE VILLAGE, NV--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT								
05...	<.003	.19	.002	.021	.010	121	3	.01
NOV								
05...	.003	.15	.002	.014	.009	92	2	<.01
DEC								
04...	.007	.15	.003	.008	.005	687	2	.01
JAN								
07...	.005	.19	.007	.029	.009	244	4	.02
FEB								
04...	<.003	.23	.030	.018	.008	98	1	<.01
MAR								
04...	.004	.18	.039	.021	.011	119	2	E.01
29...	.004	.46	.050	.027	.009	288	6	.03
APR								
01...	.004	.64	.052	.034	.009	372	7	.05
09...	<.003	.57	.040	.034	.010	311	9	.12
24...	.003	.46	.029	.026	.009	214	5	.06
MAY								
06...	<.003	.35	.028	.032	.010	322	10	.20
13...	.003	.35	.020	.065	.009	591	14	.34
16...	<.003	.32	.017	.043	.010	576	18	.52
JUN								
03...	<.003	.16	.006	.028	.011	280	9	.17
JUL								
01...	<.003	.08	.010	.030	.011	119	1	.01
AUG								
13...	<.003	.28	.019	.023	.012	98	1	<.01
SEP								
16...	<.003	.15	.007	.019	.011	119	1	<.01

Remark Codes Used in This report:
  < -- Less than
  E -- Estimated

PYRAMID AND WINNEMUCCA LAKES BASIN

103366995 INCLINE CREEK AT HIGHWAY 28 AT INCLINE VILLAGE, NV

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 39°14'44', long 119°56'17", in SE $^1/_4$ SE $^1/_4$ sec.15, T.16 N., R.18 E., Washoe County, Hydrologic Unit 16050101, on left bank, 200 ft downstream from culverts on State Highway 28, 0.6 mi upstream from Lake Tahoe, and 1.8 mi southeast of intersection of State Highways 431 and 28.

DRAINAGE AREA.--4.54 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1989 to current year.

REVISED RECORDS.--WDR NV-00-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,320 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except estimated daily discharges, which are poor. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 143 ft^3/s, January 2, 1997, gage height, 3.25 ft, maximum gage height, 3.51 ft, July 11, 1996; minimum daily, 0.56 ft^3/s, August 20, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16 ft^3/s, April 14, gage height, 1.98 ft; minimum daily, 1.0 ft^3/s, October 25 and 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	1.2	1.8	1.8	1.7	2.7	5.6	5.8	7.8	2.9	1.7	1.2
2	1.2	1.2	1.9	2.0	1.6	2.7	6.4	5.9	7.4	2.8	1.7	1.2
3	1.2	1.1	1.6	1.8	1.6	2.4	7.6	6.9	7.3	2.7	1.7	1.2
4	1.3	1.1	e2.0	1.7	1.7	2.3	8.5	7.9	7.0	2.6	1.6	1.3
5	1.3	1.1	1.5	1.7	1.7	2.4	7.9	8.5	6.9	2.6	1.6	1.3
6	1.3	1.1	1.5	2.7	1.7	2.9	7.4	9.1	6.7	2.6	1.6	1.5
7	1.4	1.2	1.5	2.3	1.7	2.6	7.5	9.2	6.5	2.5	1.6	1.6
8	1.4	1.2	1.5	2.0	1.7	e2.6	8.0	8.9	6.3	2.5	1.5	1.5
9	1.4	1.2	1.5	1.8	1.6	2.6	7.3	9.0	6.1	2.4	1.5	1.5
10	1.4	1.2	1.5	1.7	1.7	2.3	7.7	8.5	5.9	2.3	1.4	1.4
11	1.4	1.9	e1.5	1.7	1.8	2.3	8.5	8.3	5.7	2.2	1.4	1.4
12	1.4	1.6	1.5	1.8	1.8	2.5	9.2	8.6	5.5	2.3	1.4	1.4
13	1.4	1.4	1.4	1.8	1.8	2.3	9.6	9.4	5.3	2.4	1.3	1.3
14	1.4	1.5	2.0	1.8	1.8	2.5	11	9.9	5.1	2.3	1.3	1.3
15	1.4	1.4	e1.7	e1.7	1.9	e2.6	9.7	10	4.9	2.2	1.2	1.3
16	1.4	1.3	e1.8	e1.7	1.9	e2.6	7.8	10	4.7	2.1	1.2	1.4
17	1.4	1.3	1.5	e1.6	1.9	e2.5	7.1	10	4.5	2.5	1.2	1.4
18	1.4	1.2	1.5	e1.6	1.8	e2.5	6.5	11	4.4	2.6	1.2	1.5
19	1.5	1.2	1.4	e1.6	1.9	2.4	6.0	10	4.2	2.3	1.2	1.4
20	1.4	1.3	1.5	e1.6	2.2	2.5	5.8	9.5	4.0	2.2	1.2	1.4
21	1.4	1.7	1.5	1.7	2.3	2.7	6.0	8.7	3.9	2.1	1.3	1.4
22	1.4	2.7	1.5	e1.6	2.5	2.9	6.3	8.4	3.7	2.0	1.3	1.3
23	1.4	1.6	1.4	e1.6	2.5	2.8	6.8	8.2	3.6	1.9	1.3	1.3
24	1.2	3.4	e1.5	e1.6	2.2	2.6	7.2	8.2	3.4	1.9	1.3	1.3
25	1.0	1.8	1.5	1.6	2.2	2.5	7.8	8.3	3.4	1.8	1.2	1.3
26	1.0	e1.7	1.5	1.6	2.3	2.7	7.5	8.1	3.3	1.9	1.3	1.3
27	1.1	e1.5	1.5	1.6	2.4	3.0	7.0	8.0	3.2	1.8	1.2	1.4
28	1.1	1.5	1.7	e2.0	2.4	3.5	6.7	8.0	3.1	1.7	1.3	1.4
29	1.1	1.5	1.7	e2.1	---	4.1	6.8	8.1	3.0	1.7	1.2	1.5
30	1.5	1.6	1.9	2.2	---	4.6	6.2	8.1	2.9	1.7	1.2	1.5
31	1.3	---	2.1	1.9	---	5.0	---	7.9	---	1.7	1.2	---
TOTAL	40.7	44.7	49.9	55.9	54.3	86.6	223.4	266.4	149.7	69.2	42.3	41.2
MEAN	1.313	1.490	1.610	1.803	1.939	2.794	7.447	8.594	4.990	2.232	1.365	1.373
MAX	1.5	3.4	2.1	2.7	2.5	5.0	11	11	7.8	2.9	1.7	1.6
MIN	1.0	1.1	1.4	1.6	1.6	2.3	5.6	5.8	2.9	1.7	1.2	1.2
AC-FT	81	89	99	111	108	172	443	528	297	137	84	82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2002, BY WATER YEAR (WY)

MEAN	2.644	2.761	2.858	3.439	3.238	5.467	8.441	13.30	12.74	6.953	3.462	2.644
MAX	4.61	4.93	5.71	14.8	7.81	11.9	18.5	25.5	34.9	27.9	10.5	5.83
(WY)	1996	1997	1997	1997	1996	1997	1997	1996	1995	1995	1995	1995
MIN	0.95	1.22	1.21	1.19	1.41	2.25	3.63	1.98	1.26	0.87	0.65	0.67
(WY)	1993	1991	1993	1993	1991	1991	1991	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1990 - 2002	
ANNUAL TOTAL	732.17		1124.3			
ANNUAL MEAN	2.006		3.080		5.939	
HIGHEST ANNUAL MEAN					10.7	1995
LOWEST ANNUAL MEAN					1.54	1992
HIGHEST DAILY MEAN	5.7	Mar 28	11	Apr 14	85	Jan 2 1997
LOWEST DAILY MEAN	0.74	Aug 19	1.0	Oct 25	0.56	Aug 20 1992
ANNUAL SEVEN-DAY MINIMUM	0.76	Aug 29	1.1	Oct 23	0.60	Aug 6 1992
MAXIMUM PEAK FLOW			16	Apr 14	143	Jan 2 1997
MAXIMUM PEAK STAGE			a2.04	Dec 15	3.51	Jul 11 1996
ANNUAL RUNOFF (AC-FT)	1450		2230		4300	
10 PERCENT EXCEEDS	3.8		7.8		15	
50 PERCENT EXCEEDS	1.6		1.8		3.5	
90 PERCENT EXCEEDS	0.86		1.3		1.2	

e Estimated
a Backwater from ice

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.

REMARKS.--In November 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT									
05...	1045	1.4	--	--	--	--	74	16.0	10.0
NOV									
05...	1155	1.2	--	--	--	--	63	13.5	5.0
DEC									
04...	1210	4.1	597	11.0	98	7.0	67	.0	.5
JAN									
07...	1050	2.1	--	--	--	--	70	9.0	2.5
FEB									
04...	1040	2.1	--	--	--	--	66	.0	.0
MAR									
04...	1030	2.2	604	--	--	6.8	75	4.0	1.0
29...	1310	3.5	--	--	--	--	80	4.5	5.0
APR									
01...	1000	4.6	--	--	--	--	70	2.5	3.0
09...	1540	6.9	--	--	--	--	62	5.0	4.0
24...	1455	6.7	--	--	--	--	48	15.5	6.5
MAY									
06...	1240	7.6	--	--	--	--	41	13.0	5.5
13...	1515	9.4	--	--	--	--	37	14.0	8.0
16...	1545	10	--	--	--	--	35	17.5	9.0
JUN									
03...	1520	7.1	602	8.8	100	7.2	35	18.0	10.5
JUL									
01...	1150	3.1	--	--	--	--	46	22.5	10.0
AUG									
13...	1045	1.5	609	8.6	98	7.0	50	20.0	11.0
SEP									
16...	1115	1.6	--	--	--	--	53	13.5	7.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT								
05...	<.003	.17	.003	.029	.010	693	6	.02
NOV								
05...	<.003	.12	.007	.019	.011	423	3	.01
DEC								
04...	.006	.18	.007	.022	.005	90	6	.07
JAN								
07...	.006	.23	.013	.038	.009	881	6	.03
FEB								
04...	.008	.13	.031	.021	.005	626	5	.03
MAR								
04...	.008	.19	.043	--	.007	805	6	.04
29...	.006	.51	.050	.045	.010	1420	11	.10
APR								
01...	.003	.45	.060	.041	.009	1150	14	.17
09...	.004	.22	.066	.037	.010	1020	48	.89
24...	.006	.31	.041	.037	.010	772	10	.18
MAY								
06...	<.003	.29	.037	.034	.010	861	15	.31
13...	<.003	.35	.027	.059	.011	1250	38	.96
16...	<.003	.31	.027	.055	.011	989	34	.92
JUN								
03...	.004	.26	.013	.029	.010	631	15	.29
JUL								
01...	<.003	.07	.016	.033	.010	493	6	.05
AUG								
13...	<.003	.17	.025	.028	.011	608	4	.02
SEP								
16...	.003	.05	.012	.027	.011	536	3	.01

Remark Codes Used in This report:
< -- Less than

PYRAMID AND WINNEMUCCA LAKES BASIN

103366997 INCLINE CREEK TRIBUTARY AT COUNTRY CLUB DRIVE NEAR INCLINE VILLAGE, NV

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 39°15'52", long 119°56'32", in NW$^1/_4$ SE$^1/_4$ sec.10, T.16 N., R.18 E., Washoe County, Hydrologic Unit 16050101, on right bank, 20 feet upstream of culvert on Country Club Drive, 300 ft upstream of junction of Country Club Drive and Village Boulevard, and 1.2 mi north of Incline Village.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--August 1989, water years 1991 to current year.

REMARKS.--In April 1991, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
MAR									
18...	1525	1.3	588	10.0	97	7.3	295	1.5	3.0
APR									
09...	1300	3.2	--	--	--	--	216	6.5	5.5
MAY									
06...	1755	1.7	--	--	--	--	192	11.5	9.0
JUN									
11...	1545	.92	597	8.2	96	7.9	164	21.5	11.5
AUG									
06...	1120	1.1	597	8.6	96	7.2	142	15.0	9.5

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAR								
18...	.006	.24	.085	.019	.004	615	7	.02
APR								
09...	.004	.20	.092	.036	.007	740	20	.17
MAY								
06...	.003	.21	.042	.029	.007	619	9	.04
JUN								
11...	.004	.15	.029	.022	.009	643	5	.01
AUG								
06...	.013	.09	.043	.042	.009	364	5	.01

PYRAMID AND WINNEMUCCA LAKES BASIN

10336700 INCLINE CREEK NEAR CRYSTAL BAY, NV

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 39°14'25", long 119°56'38", in $SW^1/_4\ NE^1/_4$ sec.22, T.16 N., R.18 E., Washoe County, Hydrologic Unit 16050101, on right bank, 500 ft upstream from culvert on Lakeshore Boulevard, 1,000 ft upstream from mouth, just below confluence with major tributary, and 3 mi east of Crystal Bay.

DRAINAGE AREA.--6.69 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1966 to September 1975, November 1987 to current year (low flow, partial-record site only, October 1966 to September 1969, October 1973 to February 1975).

GAGE.--Water-stage recorder. Datum of gage is 6,246.90 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regular diversion above station. Possibly some light pumping or diversion of water for construction or irrigation. Flow temporarily diverted to Third Creek beginning August 23, 1999 to October 1, 1999, for Incline Creek restoration project. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 179 ft^3/s, January 2, 1997, gage height, 3.87 ft; minimum daily, 0.18 ft^3/s, September 1, 3, 1999 (during diversion to Third Creek).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 22.0 ft^3/s, April 14, gage height, 2.19 ft; minimum daily, 1.7 ft^3/s, October 1-5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	2.1	2.9	3.3	e3.3	4.5	9.7	8.8	10	4.0	2.4	2.0
2	1.7	2.0	3.4	3.9	3.3	4.4	11	9.1	9.9	3.9	2.4	2.0
3	1.7	1.9	2.8	3.6	3.3	4.3	12	10	9.7	3.9	2.4	1.9
4	1.7	1.9	3.1	3.1	3.3	4.2	13	11	9.5	3.8	2.4	1.9
5	1.7	1.9	2.7	3.2	3.1	4.3	12	12	9.4	3.8	2.4	2.0
6	1.8	1.9	2.7	5.2	2.9	5.5	12	13	9.2	3.7	2.4	2.3
7	1.8	1.9	2.7	4.3	2.8	4.7	12	13	8.9	3.6	2.4	2.3
8	1.9	1.9	2.7	3.8	2.8	4.4	12	12	8.6	3.5	2.3	2.3
9	2.0	1.9	2.7	3.5	2.8	4.2	11	13	8.4	3.2	2.2	2.2
10	2.0	1.9	2.6	3.3	2.9	3.9	11	12	8.2	3.2	2.2	2.1
11	2.0	3.0	2.6	3.2	3.0	4.0	12	12	7.9	3.2	2.2	2.0
12	2.0	2.7	2.6	3.3	3.0	4.3	13	12	7.4	3.2	2.1	2.0
13	2.0	2.4	2.5	3.3	3.0	4.0	14	13	7.2	3.3	2.0	2.0
14	2.0	2.4	3.4	3.2	3.0	3.8	16	13	6.7	3.2	2.1	2.0
15	2.0	2.3	2.6	e3.2	e3.1	4.0	14	13	6.5	3.1	2.1	1.9
16	2.0	2.2	3.0	e3.1	3.4	3.8	12	13	6.2	3.1	2.1	2.0
17	2.0	2.1	2.6	e3.1	3.4	3.6	11	14	6.0	3.9	2.0	2.1
18	2.1	2.1	2.5	e3.1	3.3	3.8	9.8	14	6.0	3.9	2.0	2.1
19	2.3	2.0	2.5	e3.1	3.3	3.9	9.5	14	5.8	3.4	2.0	2.0
20	2.2	2.0	2.5	e2.9	4.0	4.2	9.1	13	5.6	3.2	2.1	2.0
21	2.2	2.9	2.5	2.9	4.3	4.7	9.3	12	5.6	3.1	2.2	2.0
22	2.3	4.7	2.5	2.9	4.9	5.1	9.5	12	5.4	3.0	2.2	1.9
23	2.3	2.6	2.5	e2.9	5.0	5.0	10	11	5.2	2.9	2.2	1.9
24	2.0	6.7	2.7	e2.8	4.4	4.3	10	11	5.0	2.8	2.1	1.9
25	1.8	3.1	2.5	2.8	4.5	4.2	11	11	4.9	2.8	2.1	1.9
26	1.8	2.7	2.5	2.8	4.7	4.6	11	11	4.7	2.7	2.1	1.9
27	1.8	2.6	2.6	2.7	4.6	5.3	10	11	4.6	2.6	2.1	1.9
28	1.8	2.6	2.9	3.1	4.6	6.3	9.7	11	4.4	2.5	2.1	2.0
29	1.8	2.6	3.3	e3.0	---	7.5	10	11	4.3	2.4	2.1	2.2
30	2.4	2.5	3.5	e3.1	---	8.2	9.4	11	4.2	2.5	2.1	2.3
31	2.3	---	4.0	e3.2	---	8.9	---	11	---	2.4	2.1	---
TOTAL	61.1	75.5	86.6	100.9	100.0	147.9	336.0	367.9	205.4	99.8	67.6	61.0
MEAN	1.971	2.517	2.794	3.255	3.571	4.771	11.20	11.87	6.847	3.219	2.181	2.033
MAX	2.4	6.7	4.0	5.2	5.0	8.9	16	14	10	4.0	2.4	2.3
MIN	1.7	1.9	2.5	2.7	2.8	3.6	9.1	8.8	4.2	2.4	2.0	1.9
AC-FT	121	150	172	200	198	293	666	730	407	198	134	121

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2002, BY WATER YEAR (WY)

MEAN	3.937	4.162	4.353	5.298	5.288	8.120	11.20	16.64	14.95	8.007	4.474	3.510
MAX	6.79	6.76	8.78	19.6	12.2	16.9	23.1	36.7	48.4	35.0	14.4	8.66
(WY)	1996	1999	1997	1997	1996	1997	1997	1996	1995	1995	1995	1995
MIN	1.35	1.82	2.07	2.06	2.64	3.72	3.55	2.71	2.04	1.19	0.99	0.44
(WY)	1989	1993	1993	1993	1991	1992	1988	1988	1988	1988	1988	1999

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1970 - 2002	
ANNUAL TOTAL	1091.8		1709.7			
ANNUAL MEAN	2.991		4.684		7.692	
HIGHEST ANNUAL MEAN					15.4	1995
LOWEST ANNUAL MEAN					2.51	1992
HIGHEST DAILY MEAN	7.5	Mar 28	16	Apr 14	112	Jan 2 1997
LOWEST DAILY MEAN	1.1	Aug 18	1.7	Oct 1	0.18	Sep 1 1999
ANNUAL SEVEN-DAY MINIMUM	1.2	Aug 13	1.7	Oct 1	0.21	Aug 30 1999
MAXIMUM PEAK FLOW			22	Apr 14	179	Jan 2 1997
MAXIMUM PEAK STAGE			2.19	Apr 14	3.87	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	2170		3390		5570	
10 PERCENT EXCEEDS	5.4		11		17	
50 PERCENT EXCEEDS	2.6		3.1		5.1	
90 PERCENT EXCEEDS	1.3		2.0		2.0	

e Estimated

10336700 INCLINE CREEK NEAR CRYSTAL BAY, NV--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970-73, 1978-79, 1988 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: April 1998 to November 2000 (discontinued).

INSTRUMENTATION.--Water temperature recorder since April 1998, two times per hour.

REMARKS.--In November 1987, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 16.0°C, September 7, 10, 11, 15, 1999; minimum, freezing point many days during winter months.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT									
05...	1230	1.9	--	--	--	--	91	17.5	10.5
NOV									
05...	1355	1.9	--	--	--	--	92	15.0	7.0
DEC									
04...	1445	2.8	599	11.2	99	7.4	117	.0	.5
JAN									
07...	1210	4.0	--	--	--	--	138	10.5	3.5
FEB									
04...	1215	3.3	--	--	--	--	117	5.1	.5
MAR									
04...	1230	4.0	605	--	--	7.7	141	6.0	3.0
21...	1145	4.2	--	--	--	--	148	12.0	3.5
29...	1425	7.4	--	--	--	--	151	14.5	7.0
APR									
01...	1240	8.2	--	--	--	--	135	10.5	6.0
02...	1840	14	--	--	--	--	108	8.0	5.0
05...	1750	14	--	--	--	--	106	7.0	5.0
09...	1640	11	--	--	--	--	109	6.5	4.5
22...	1555	9.5	--	--	--	--	91	14.0	8.0
24...	1120	9.3	--	--	--	--	83	11.5	4.5
24...	1630	10	--	--	--	--	81	14.0	7.5
MAY									
06...	1340	11	--	--	--	--	68	16.0	7.5
13...	1605	13	--	--	--	--	56	16.5	9.0
16...	1645	14	--	--	--	--	53	18.0	9.5
17...	1655	16	--	--	--	--	50	17.5	10.5
JUN									
03...	1640	9.5	605	8.9	103	7.3	52	19.0	11.5
JUL									
01...	1250	4.4	--	--	--	--	67	22.5	11.5
17...	1600	4.4	--	--	--	--	82	12.5	9.5
AUG									
13...	1250	2.3	610	8.4	100	7.0	79	23.0	13.0
SEP									
16...	1200	2.3	--	--	--	--	88	15.5	8.0

10336700 INCLINE CREEK NEAR CRYSTAL BAY, NV--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT									
05...	<.003	.07	.005	.034	.010	772	--	12	.06
NOV									
05...	.003	.09	.006	.018	.009	376	--	3	.02
DEC									
04...	.007	.32	.009	.044	.005	1110	--	7	.05
JAN									
07...	.011	.24	.020	.030	.008	769	--	5	.05
FEB									
04...	.006	.10	.035	.017	.004	526	--	4	.04
MAR									
04...	.007	--	.052	.024	.006	732	--	7	.08
21...	.003	.22	.037	.020	.005	829	--	3	.03
29...	.005	.52	.057	.055	.011	420	--	19	.38
APR									
01...	<.003	.42	.068	.040	.009	1190	--	13	.29
02...	.004	1.3	.068	.072	.009	346	64	143	5.4
05...	.004	.37	.056	.088	.010	448	--	34	1.3
09...	<.003	.29	.063	.033	.009	882	--	8	.24
22...	.004	.31	.039	.037	.009	1030	--	11	.28
24...	.005	.31	.039	.026	.007	754	--	6	.15
24...	.005	.42	.039	.100	.008	543	--	35	.95
MAY									
06...	.003	.35	.032	.053	.010	1170	--	13	.39
13...	<.003	.23	.025	.068	.010	2270	--	26	.91
16...	<.003	.11	.022	.076	.010	1110	--	20	.76
17...	<.003	.66	.021	.080	.011	812	32	41	1.8
JUN									
03...	.004	.17	.010	.036	.010	650	--	16	.41
JUL									
01...	.003	.11	.015	.052	.010	676	--	4	.05
17...	.007	1.6	.012	.176	.030	5700	70	82	.97
AUG									
13...	<.003	.19	.021	.032	.012	586	--	5	.03
SEP									
16...	<.003	.12	.012	.028	.011	526	--	2	.01

Remark Codes Used in This report:
< -- Less than

10336710 MARLETTE LAKE NEAR CARSON CITY, NV

LOCATION.--Lat 39°10'22", long 119°54'15", in SW $^1/_4$ SE $^1/_4$ sec.12, T.15 N., R.18 E., Washoe County, Hydrologic Unit 16050101, in Toiyabe National Forest, on west shore, about 1,000 ft east from left side of dam on Marlette Creek, and 7.5 mi west of Carson City.

DRAINAGE AREA.--2.86 mi^2.

PERIOD OF RECORD.--November 1973 to current year.

REVISED RECORDS.--WDR NV-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is above NGVD of 1929 (spillway elevation furnished in written communication, 1971).

REMARKS.--Lake is formed by earthfill dam across the outlet of a small natural lake (at one time called Goodwin Lake) on Marlette Creek, built in 1873 to provide water for fluming lumber from Spooner Summit to Carson City. The dam was built higher in 1876 and used to divert water by flume and siphon to Virginia City, until the flume was abandoned prior to 1963. The dam was raised to its present elevation in 1959. Present capacity, 11,780 acre-ft at spillway; elevation, 7,838.0 ft. Figures given herein represent total contents. Stored water is used for spawning cutthroat trout and in dry years is pumped over the mountain to the Hobart system for municipal and domestic use outside the basin in Virginia City and Carson City. Lake freezes over in winter. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded contents, 12,320 acre-ft, February 19, 1986, elevation, 7,839.23 ft; minimum, 10,970 acre-ft, November 10-13, 1976, elevation, 7,835.8 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 11,970 acre-ft, April 18, elevation, 7,838.44 ft; minimum, 10,980 acre-ft, November 7, and 22, elevation, 7,835.88 ft.

Capacity table (elevation, in feet, contents, in acre-feet)

7,835	10,650	7,838	11,790
7,836	11,030	7,839	12,220
7,837	11,410	7,840	12,650

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11120	11010	11170	11470	11610	11720	11870	11950	11910	11800	11620	11320
2	11110	11000	11270	11480	11620	11730	11880	11940	11900	11800	11610	11310
3	11110	11000	11270	11500	11620	11730	11880	11950	11900	11790	11600	11300
4	11110	11000	11270	11510	11620	11730	11880	11950	11900	11790	11580	11280
5	11110	11000	11270	11520	11620	11730	11880	11950	11900	11780	11570	11270
6	11100	11000	11280	11530	11620	11790	11890	11950	11890	11780	11570	11250
7	11100	11000	11280	11530	11630	11810	11890	11950	11880	11770	11550	11250
8	11090	10990	11280	11530	11640	11820	11890	11950	11890	11770	11540	11240
9	11090	10990	11280	11540	11640	11810	11890	11940	11870	11760	11530	11220
10	11080	10990	11290	11540	11650	11830	11900	11950	11860	11750	11520	11220
11	11070	11000	11290	11540	11650	11830	11900	11940	11870	11740	11520	11210
12	11060	11010	11290	11540	11650	11830	11900	11940	11860	11740	11510	11200
13	11050	11020	11310	11540	11650	11840	11910	11940	11860	11730	11500	11200
14	11050	11020	11330	11540	11650	11850	11910	11940	11860	11720	11490	11190
15	11040	11020	11330	11540	11660	11850	11930	11940	11850	11710	11480	11170
16	11040	11020	11340	11540	11660	11850	11940	11940	11850	11700	11470	11170
17	11030	11010	11370	11550	11680	11860	11960	11950	11850	11730	11460	11160
18	11030	11010	11370	11550	11690	11860	11970	11950	11840	11730	11450	11150
19	11030	11010	11360	11560	11710	11860	11970	11940	11840	11730	11440	11140
20	11030	11000	11390	11560	11710	11860	11960	11950	11830	11720	11420	11130
21	11020	11030	11390	11560	11710	11860	11950	11950	11830	11710	11410	11120
22	11020	11050	11410	11570	11710	11860	11950	11940	11830	11710	11410	11120
23	11010	11050	11420	11570	11720	11880	11940	11940	11830	11700	11390	11110
24	11010	11100	11420	11570	11720	11880	11940	11930	11830	11690	11390	11100
25	11010	11110	11420	11570	11720	11880	11940	11940	11830	11680	11380	11090
26	11010	11100	11420	11580	11720	11880	11940	11930	11820	11670	11370	11080
27	11000	11110	11430	11590	11720	11880	11940	11930	11820	11660	11360	11080
28	11000	11110	11440	11610	11720	11870	11940	11920	11810	11650	11350	11060
29	11000	11140	11450	11610	---	11870	11960	11920	11810	11650	11340	11060
30	11010	11140	11470	11610	---	11870	11950	11910	11810	11630	11330	11050
31	11010	---	11470	11620	---	11870	---	11910	---	11630	11330	---
MAX	11120	11140	11470	11620	11720	11880	11970	11950	11910	11800	11620	11320
MIN	11000	10990	11170	11470	11610	11720	11870	11910	11810	11630	11330	11050
#	7835.94	7836.28	7837.16	7837.54	7837.81	7838.21	7838.39	7838.29	7838.04	7837.57	7836.78	7836.05
##	-110	+130	+330	+150	+100	+150	+80	-40	-100	-180	-300	-280

CAL YR 2001 MAX 12010 MIN 10990 ## -420
WTR YR 2002 MAX 11970 MIN 10990 ## -70

\# Elevation, in feet above NGVD 1929, at end of month.
Change in contents, in acre-feet.

PYRAMID AND WINNEMUCCA LAKES BASIN

10336715 MARLETTE CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°10'20", long 119°54'25", in SE $^1/_4$ SW $^1/_4$ sec.12, T.15 N., R.18 E., Washoe County, Hydrologic Unit 16050101, in Toiyabe National Forest, on left bank, about 300 ft below dam on Marlette Lake (station 10336710), 0.7 mi upstream from Marlette Reservoir, and 7 mi west of Carson City.

DRAINAGE AREA.--2.90 mi^2.

PERIOD OF RECORD.--October 1973 to current year.

REVISED RECORDS.-- WDR NV-00-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,760 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Flow regulated at Marlette Lake 300 ft upstream. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70 ft^3/s, February 20, 1986, gage height, 3.20 ft; no flow at times, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6.3 ft^3/s, April 19, gage height, 2.06 ft; minimum daily, 0.01 ft^3/s, many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.04	0.09	e0.04	e0.03	e0.02	0.01	0.71	4.1	1.9	0.10	0.05	0.03
2	0.05	0.11	e0.04	e0.03	e0.02	0.01	0.83	3.9	1.6	0.13	0.04	0.03
3	0.04	0.14	e0.04	e0.03	e0.01	0.01	1.8	3.7	1.5	0.16	0.04	0.04
4	0.04	0.13	e0.04	e0.03	e0.01	0.01	2.0	3.3	1.4	0.11	0.04	0.04
5	0.04	0.12	e0.04	e0.03	e0.01	0.01	2.1	3.3	1.2	0.05	0.05	0.04
6	0.04	0.12	e0.03	e0.03	e0.01	0.01	2.1	3.4	1.2	0.05	0.05	0.04
7	0.03	0.12	e0.03	e0.03	e0.01	0.02	2.2	3.6	1.2	0.05	0.05	0.04
8	0.03	0.12	e0.03	e0.02	e0.01	0.02	2.4	3.4	1.2	0.05	0.05	0.04
9	0.04	0.12	e0.03	e0.04	e0.01	0.02	2.8	3.4	0.97	0.05	0.05	0.04
10	0.05	0.12	e0.03	e0.05	e0.01	0.02	2.6	3.3	0.83	0.05	0.05	0.03
11	0.05	0.12	e0.03	e0.05	e0.01	0.02	2.7	3.2	0.77	0.05	0.05	0.03
12	0.06	0.12	e0.03	e0.06	e0.01	0.52	2.8	3.1	0.65	0.05	0.05	0.03
13	0.06	0.13	e0.03	e0.06	e0.01	0.71	3.0	3.1	0.58	0.05	0.05	0.03
14	0.06	0.21	e0.03	e0.06	e0.01	0.65	3.6	3.1	0.56	0.05	0.06	0.03
15	0.06	0.23	e0.03	e0.06	e0.01	0.65	3.9	2.9	0.53	0.05	0.06	0.04
16	0.06	0.10	e0.03	e0.05	0.01	0.65	4.3	2.7	0.51	0.05	0.06	0.04
17	0.06	0.04	e0.03	e0.05	0.01	0.65	5.5	2.3	0.49	0.10	0.06	0.05
18	0.06	0.04	e0.04	e0.04	0.01	0.65	5.9	2.8	0.46	0.16	0.06	0.05
19	0.06	0.04	e0.04	e0.04	0.01	0.65	6.0	3.2	0.40	0.14	0.05	0.05
20	0.05	e0.04	e0.04	e0.04	0.01	0.65	5.6	3.7	0.35	0.08	0.05	0.05
21	0.07	e0.08	e0.04	e0.03	0.01	0.65	5.2	4.1	0.31	0.04	0.05	0.04
22	0.06	e0.08	e0.04	e0.03	0.01	0.65	4.7	3.9	0.30	0.04	0.06	0.05
23	0.06	e0.06	e0.04	e0.03	0.01	0.65	4.4	3.5	0.25	0.04	0.05	0.06
24	0.06	e0.05	e0.03	e0.03	0.01	0.65	4.2	3.1	0.25	0.04	0.05	0.06
25	0.06	e0.05	e0.03	e0.02	0.01	0.65	4.1	3.0	0.24	0.04	0.04	0.06
26	0.06	e0.04	e0.03	e0.02	0.01	0.65	3.5	2.8	0.24	0.04	0.03	0.06
27	0.06	e0.04	e0.04	e0.02	0.01	0.65	3.9	2.8	0.19	0.05	0.04	0.04
28	0.06	e0.04	e0.04	e0.02	0.01	0.65	3.8	2.7	0.15	0.05	0.04	0.03
29	0.08	e0.04	e0.04	e0.02	---	0.65	4.2	2.7	0.14	0.05	0.03	0.04
30	0.08	e0.04	e0.04	e0.02	---	0.65	4.3	2.4	0.12	0.05	0.03	0.04
31	0.09	---	e0.04	e0.02	---	0.66	---	2.2	---	0.05	0.03	---
TOTAL	1.72	2.78	1.09	1.09	0.30	13.10	105.14	98.7	20.49	2.07	1.47	1.25
MEAN	0.055	0.093	0.035	0.035	0.011	0.423	3.505	3.184	0.683	0.067	0.047	0.042
MAX	0.09	0.23	0.04	0.06	0.02	0.71	6.0	4.1	1.9	0.16	0.06	0.06
MIN	0.03	0.04	0.03	0.02	0.01	0.01	0.71	2.2	0.12	0.04	0.03	0.03
AC-FT	3.4	5.5	2.2	2.2	0.6	26	209	196	41	4.1	2.9	2.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2002, BY WATER YEAR (WY)

MEAN	0.509	1.311	2.008	2.923	4.154	3.892	4.240	5.365	4.414	1.494	0.448	0.263
MAX	3.55	12.2	9.71	11.2	17.4	8.65	7.13	11.5	29.8	12.9	4.18	3.46
(WY)	1984	1984	1984	1997	1986	1995	1982	1999	1983	1983	1983	1983
MIN	0.022	0.030	0.022	0.010	0.000	0.040	0.019	0.11	0.040	0.014	0.022	0.020
(WY)	1988	1980	1991	1993	1993	1977	1991	1977	1976	1990	1990	1975

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1974 - 2002	
ANNUAL TOTAL	329.34		249.20			
ANNUAL MEAN	0.902		0.683		2.574	
HIGHEST ANNUAL MEAN					8.29	1983
LOWEST ANNUAL MEAN					0.058	1977
HIGHEST DAILY MEAN	5.8	Apr 21	6.0	Apr 19	63	Feb 19 1986
LOWEST DAILY MEAN	0.00	Aug 20	0.00	Feb 3	0.00	Jul 12 1975
ANNUAL SEVEN-DAY MINIMUM	0.02	Aug 16	0.01	Feb 3	0.00	Jan 22 1993
MAXIMUM PEAK FLOW			6.3	Apr 19	70	Feb 20 1986
MAXIMUM PEAK STAGE			2.06	Apr 19	3.20	Feb 20 1986
ANNUAL RUNOFF (AC-FT)	653		494		1860	
10 PERCENT EXCEEDS	3.1		3.1		6.8	
50 PERCENT EXCEEDS	0.23		0.05		0.88	
90 PERCENT EXCEEDS	0.03		0.02		0.03	

e Estimated

PYRAMID AND WINNEMUCCA LAKES BASIN

10336730 GLENBROOK CREEK AT GLENBROOK, NV

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 39°05'15", long 119°56'20", in NE $^1/_4$ SE $^1/_4$ sec.10, T.14 N., R.18 E., Douglas County, Hydrologic Unit 16050101, on right bank, 50 ft upstream from culvert, 100 ft upstream from mouth at Glenbrook, and 1.8 mi southwest of Spooner Lake.

DRAINAGE AREA.--4.11 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1967-1971. October 1971 to September 1975, November 1987 to current year.

REVISED RECORDS.--WDR NV-00-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,240 ft above NGVD of 1929, from topographic map. Prior to November 16, 1987, at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow may be affected by pumping or diverting for irrigation above station. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 144 ft^3/s, January 2, 1997, gage height, 6.46 ft; no flow August 12, 1994.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5.0 ft^3/s and maximum (*):

		Discharge	Gage height			Discharge	Gage height
Date	Time	(ft^3/s)	(ft)	Date	Time	(ft^3/s)	(ft)
Nov 24	1115	*11	*2.15	April 14	2000	5.5	2.01

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUE

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.18	0.55	0.70	1.4	1.1	1.6	2.5	2.1	1.0	0.29	0.13	0.08
2	0.17	0.60	0.98	1.8	1.0	1.8	2.7	1.9	0.96	0.25	0.13	0.07
3	0.17	0.63	0.83	1.9	0.97	1.4	2.9	2.0	0.92	0.22	0.11	0.06
4	0.18	0.63	0.75	1.5	0.98	1.2	3.1	2.7	0.83	0.20	0.11	0.05
5	0.21	0.66	0.77	1.5	1.00	1.2	3.0	2.6	0.80	0.19	0.10	0.10
6	0.23	0.68	0.87	2.4	0.98	1.7	2.7	2.3	0.87	0.16	0.10	0.15
7	0.25	0.71	0.87	1.9	1.0	1.4	2.8	2.4	0.81	0.12	0.10	0.22
8	0.25	1.1	0.84	1.7	1.0	1.3	2.7	2.2	0.77	0.14	0.10	0.26
9	0.26	1.5	0.84	1.5	0.99	1.2	2.8	1.9	0.80	0.10	0.08	0.23
10	0.28	1.8	0.84	1.4	1.00	1.2	2.8	1.8	0.96	0.09	0.08	0.20
11	0.29	2.3	0.84	1.3	1.0	1.3	2.7	1.8	0.97	0.07	0.07	0.14
12	0.29	2.7	0.83	1.3	1.0	1.5	2.8	1.8	0.92	0.16	0.06	0.12
13	0.29	0.62	0.85	1.2	1.0	1.5	2.9	1.8	0.90	0.32	0.05	0.12
14	0.27	0.58	0.88	e1.1	1.1	1.4	3.5	1.9	0.86	0.25	0.05	0.11
15	0.28	0.57	0.99	e1.0	1.1	1.5	3.1	1.8	0.84	0.13	0.04	0.09
16	0.27	0.64	0.92	e1.0	1.2	1.3	2.2	1.6	0.80	0.13	0.04	0.12
17	0.28	0.69	0.93	e1.0	1.2	1.3	2.2	1.6	0.76	0.32	0.05	0.16
18	0.31	0.76	0.91	e1.0	1.2	1.4	2.2	1.5	0.76	0.68	0.04	0.19
19	0.31	0.77	0.92	1.00	1.3	1.2	2.1	1.5	0.75	0.49	0.04	0.18
20	0.28	0.83	0.94	0.99	1.8	1.3	2.2	1.6	0.67	0.30	0.05	0.17
21	0.31	1.3	1.0	1.0	1.5	1.4	2.2	1.6	0.31	0.28	0.06	0.17
22	0.36	5.3	1.0	1.1	1.5	1.6	2.1	1.5	0.32	0.24	0.07	0.16
23	0.38	3.3	1.0	e1.0	1.7	1.8	2.2	1.6	0.35	0.19	0.08	0.15
24	0.41	4.9	1.0	1.0	1.4	1.6	2.1	1.5	0.33	0.18	0.08	0.14
25	0.41	1.0	1.0	1.0	1.4	1.5	2.2	1.7	0.31	0.17	0.09	0.14
26	0.39	0.61	1.1	1.1	1.4	1.5	2.2	1.2	0.29	0.17	0.10	0.14
27	0.41	0.54	1.1	1.1	1.4	1.7	2.0	1.4	0.27	0.17	0.09	0.16
28	0.44	0.57	1.2	1.3	1.4	1.8	2.0	1.2	0.29	0.15	0.08	0.19
29	0.46	0.64	1.2	1.1	---	2.1	2.3	1.5	0.29	0.14	0.09	0.26
30	0.60	0.69	1.3	1.3	---	2.2	2.2	1.2	0.31	0.13	0.09	0.29
31	0.63	---	1.7	1.1	---	2.4	---	1.0	---	0.13	0.09	---
TOTAL	9.85	38.17	29.90	39.99	33.62	47.3	75.4	54.2	20.02	6.56	2.45	4.62
MEAN	0.32	1.27	0.96	1.29	1.20	1.53	2.51	1.75	0.67	0.21	0.079	0.15
MAX	0.63	5.3	1.7	2.4	1.8	2.4	3.5	2.7	1.0	0.68	0.13	0.29
MIN	0.17	0.54	0.70	0.99	0.97	1.2	2.0	1.0	0.27	0.07	0.04	0.05
AC-FT	20	76	59	79	67	94	150	108	40	13	4.9	9.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2002, BY WATER YEAR (WY)

MEAN	0.79	1.02	1.10	1.52	1.37	2.45	3.23	4.68	2.57	0.96	0.58	0.55
MAX	1.80	1.87	2.25	8.31	3.08	5.43	7.80	14.0	12.0	3.68	1.95	1.93
(WY)	1999	1999	1997	1997	1997	1997	1997	1999	1998	1998	1999	1998
MIN	0.16	0.31	0.34	0.32	0.41	0.66	0.63	0.33	0.24	0.076	0.014	0.036
(WY)	1993	1993	1991	1991	1991	1991	1992	1992	1992	1991	1994	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1972 - 2002	
ANNUAL TOTAL	319.71		394.96			
ANNUAL MEAN	0.88		1.08		1.80	
HIGHEST ANNUAL MEAN					3.97	1998
LOWEST ANNUAL MEAN					0.36	1992
HIGHEST DAILY MEAN	5.3	Nov 22	5.3	Nov 22	85	Jan 2 1997
LOWEST DAILY MEAN	0.14	Sep 24	0.04	Aug 15	0.00	Aug 12 1994
ANNUAL SEVEN-DAY MINIMUM	0.17	Sep 22	0.04	Aug 13	0.00	Aug 11 1994
MAXIMUM PEAK FLOW			11	Nov 24	144	Jan 2 1997
MAXIMUM PEAK STAGE			2.16	Nov 24	6.46	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	634		783		1300	
10 PERCENT EXCEEDS	1.6		2.5		4.0	
50 PERCENT EXCEEDS	0.80		0.98		1.1	
90 PERCENT EXCEEDS	0.21		0.11		0.18	

e Estimated

10336730 GLENBROOK CREEK AT GLENBROOK, NV--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1971-74, July 1987, 1988 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: April 1998 to November 2000 (discontinued).

INSTRUMENTATION.--Water temperature recorder April 1998 to November 2000 (discontinued), two times per hour.

REMARKS.--In November 1987, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 16.0°C, June 15, 2000; minimum, freezing point several days in winter months.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT									
01...	1155	.20	--	--	--	--	476	18.0	8.0
NOV									
08...	0740	1.3	--	--	--	--	446	-1.0	3.6
DEC									
05...	1255	.80	601	10.5	96	7.8	486	2.5	1.5
JAN									
07...	1515	1.7	--	--	--	--	619	10.0	3.5
FEB									
04...	1525	1.0	--	--	--	--	518	3.5	.5
MAR									
04...	1750	1.2	--	--	--	7.8	559	4.0	3.0
26...	1555	1.5	--	--	--	--	565	7.0	5.5
APR									
01...	1715	2.4	--	--	--	--	505	9.5	7.5
03...	1850	3.2	--	--	--	--	482	9.0	8.0
05...	1305	2.6	--	--	--	--	442	11.5	6.0
10...	1705	2.6	--	--	--	--	421	10.5	8.0
22...	1420	2.1	--	--	--	--	413	13.0	7.5
23...	1605	2.1	--	--	--	--	394	14.5	9.0
26...	1725	2.2	--	--	--	--	341	5.0	6.0
MAY									
07...	1850	1.8	--	--	--	--	331	10.5	10.0
17...	1315	1.8	--	--	--	--	341	18.5	11.0
JUN									
03...	1120	.92	605	8.9	97	7.9	385	14.0	9.0
JUL									
01...	1520	.27	--	--	--	--	467	25.0	13.5
AUG									
14...	1825	.03	608	6.5	80	7.6	495	20.0	14.4
SEP									
13...	1430	.12	--	--	--	--	514	22.0	10.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT								
01...	.005	.10	.002	.032	.016	351	2	<.01
NOV								
08...	<.003	.09	.004	.028	.013	502	32	.11
DEC								
05...	.004	.19	.008	.023	.009	574	5	.01
JAN								
07...	.007	.16	.004	.026	.008	333	3	.01
FEB								
04...	.003	.10	.007	.015	.005	257	1	<.01
MAR								
04...	.005	.14	.026	.018	.006	394	4	.01
26...	.004	.19	.005	.016	.005	325	3	.01
APR								
01...	.003	.33	.004	.032	.006	748	7	.05
03...	<.003	1.2	.004	.085	.007	585	30	.26
05...	.003	.23	.008	.035	.007	710	10	.07
10...	.003	.17	.004	.030	.007	526	9	.06
22...	.004	.20	.004	.022	.006	394	2	.01
23...	.003	.23	.004	.037	.007	1070	10	.06
26...	.003	.32	.005	.027	.007	598	10	.06
MAY								
07...	<.003	.35	.004	.026	.009	466	5	.02
17...	<.003	.17	.004	.023	.011	324	2	.01
JUN								
03...	<.003	.24	.004	.022	.011	228	18	.04
JUL								
01...	.007	.18	.013	.044	.016	460	2	<.01
AUG								
14...	.020	.35	.020	.085	.012	2270	16	<.01
SEP								
13...	.007	.13	.008	.030	.015	445	1	<.01

Remark Codes Used in This report:
< -- Less than

PYRAMID AND WINNEMUCCA LAKES BASIN

10336735 NORTH LOGAN HOUSE CREEK AT HIGHWAY 50 NEAR GLENBROOK, NV

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 39°04'08", long 119°56'24", in NW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.22, T.14 N., R.18 E., Douglas County, Hydrologic Unit 16050101, on left bank, 200 ft upstream of culvert on U.S. Highway 50, 600 ft upstream of mouth, and 1.4 mi south of Glenbrook.

DRAINAGE AREA.--1.08 mi^2.

PERIOD OF RECORD.--Water years 1991 to current year.

REMARKS.--In April 1991, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
MAR									
20...	0815	1.1	609	11.3	100	7.7	84	-1.0	1.0
APR									
10...	1500	2.8	--	--	--	--	76	10.0	6.0
MAY									
07...	1700	1.6	--	--	--	--	81	12.0	8.0
JUN									
12...	1620	.53	607	8.8	99	7.9	93	22.5	10.5
AUG									
01...	1715	.28	607	9.0	105	7.7	99	22.5	12.0

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAR								
20...	<.003	.24	.039	.013	.004	271	6	.02
APR								
10...	.004	.43	.017	.033	.007	1120	15	.11
MAY								
07...	<.003	.41	.020	.023	.006	513	8	.03
JUN								
12...	.004	.09	.024	.018	.006	355	8	.01
AUG								
01...	.006	.11	.027	.019	.004	201	5	<.01

Remark Codes Used in This report:
< -- Less than

PYRAMID AND WINNEMUCCA LAKES BASIN

10336740 LOGAN HOUSE CREEK NEAR GLENBROOK, NV

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 39°04'00", long 119°56'04", in NW $^1/_4$ NW $^1/_4$ sec.23, T.14 N., R.18 E., Douglas County, Hydrologic Unit 16050101, Toiyabe National Forest, on right bank, 0.1 mi downstream from unnamed tributary, 0.3 mi upstream from U.S. Highway 50, and 1.6 mi south of Glenbrook.

DRAINAGE AREA.--2.09 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1983 to current year.

RECISED RECORDS.--WDR NV-00-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,640 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except estimated daily discharges, which are poor. One small diversion 50 ft upstream from station for domestic use. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12.0 ft^3/s, January 2, 1997 and June 12, 1998, gage height, 4.75 ft; no flow many days in 1992.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3.0 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
April 7	2015	4.0	4.47	No other peak above base discharge			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.13	0.24	0.26	0.38	0.40	0.39	0.80	0.62	0.11	0.04	0.06	0.13
2	0.13	0.23	0.26	0.42	0.40	0.37	0.97	0.67	0.13	0.04	0.06	0.11
3	0.13	0.22	0.27	0.41	0.40	0.37	1.4	0.66	0.13	0.04	0.07	0.09
4	0.14	0.23	0.27	0.38	0.39	0.36	1.6	0.66	0.15	0.04	0.06	0.09
5	0.15	0.23	0.26	0.39	0.40	0.37	1.5	0.59	0.12	0.04	0.06	0.09
6	0.15	0.23	0.26	0.64	0.40	0.37	2.1	0.59	0.12	0.04	0.08	0.10
7	0.15	0.22	0.26	0.47	0.39	0.36	1.8	0.57	0.12	0.03	0.08	0.11
8	0.17	0.22	0.26	0.45	0.39	0.33	1.5	0.47	0.11	0.03	0.07	0.11
9	0.17	0.22	0.27	0.44	0.40	0.32	1.7	0.45	0.11	0.04	0.07	0.11
10	0.18	0.22	0.27	0.45	0.39	0.28	1.8	0.38	0.11	0.04	0.07	0.11
11	0.19	0.27	0.26	0.47	0.41	0.30	1.6	0.32	0.13	0.04	0.06	0.11
12	0.19	0.27	0.25	0.47	0.41	0.37	1.4	0.30	0.10	0.04	0.06	0.10
13	0.19	0.29	0.26	0.47	0.42	0.40	1.5	0.31	0.10	0.04	0.07	0.10
14	0.19	0.32	0.27	0.47	0.41	0.38	2.0	0.32	0.10	0.04	0.07	0.09
15	0.19	0.29	0.28	e0.44	0.41	0.41	1.4	0.32	0.08	0.05	0.07	0.10
16	0.19	0.28	0.28	e0.44	0.42	0.37	0.84	0.29	0.05	0.04	0.09	0.11
17	0.19	0.26	0.30	e0.44	0.42	0.35	0.69	0.27	0.04	0.04	0.09	0.10
18	0.19	0.25	0.30	e0.44	0.39	0.31	0.58	0.26	0.05	0.10	0.08	0.10
19	0.20	0.25	0.30	e0.45	0.43	0.33	e0.60	0.22	0.05	0.11	0.08	0.10
20	0.19	0.25	0.30	e0.45	0.52	0.38	e0.50	0.25	0.04	0.07	0.09	0.10
21	0.20	0.32	0.30	e0.45	0.50	0.39	e0.55	0.27	0.04	0.06	0.09	0.10
22	0.20	0.38	0.30	0.44	0.52	0.44	e0.66	0.24	0.05	0.07	0.10	0.10
23	0.21	0.25	0.30	0.42	0.52	0.42	e0.66	0.20	0.05	0.14	0.10	0.10
24	0.20	0.43	0.30	0.39	0.45	0.39	e0.60	0.18	0.06	0.12	0.10	0.10
25	0.20	0.27	0.30	0.46	0.43	0.35	e0.60	0.19	0.05	0.12	0.10	0.09
26	0.21	0.25	0.32	0.45	0.44	0.34	e0.50	0.17	0.04	0.12	0.10	0.08
27	0.22	0.25	0.33	0.46	0.45	0.40	e0.50	0.15	0.05	0.12	0.11	0.08
28	0.21	0.25	0.34	0.46	0.44	0.47	e0.45	0.14	0.08	0.11	0.15	0.09
29	0.21	0.27	0.35	0.48	---	0.58	e0.60	0.13	0.05	0.17	0.16	0.10
30	0.28	0.25	0.37	0.41	---	0.64	0.65	0.12	0.04	0.13	0.13	0.10
31	0.29	---	0.42	0.39	---	0.71	---	0.11	---	0.07	0.11	---
TOTAL	5.84	7.91	9.07	13.78	11.95	12.25	32.05	10.42	2.46	2.18	2.69	3.00
MEAN	0.19	0.26	0.29	0.44	0.43	0.40	1.07	0.34	0.082	0.070	0.087	0.10
MAX	0.29	0.43	0.42	0.64	0.52	0.71	2.1	0.67	0.15	0.17	0.16	0.13
MIN	0.13	0.22	0.25	0.38	0.39	0.28	0.45	0.11	0.04	0.03	0.06	0.08
AC-FT	12	16	18	27	24	24	64	21	4.9	4.3	5.3	6.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2002, BY WATER YEAR (WY)

MEAN	0.37	0.44	0.43	0.44	0.41	0.67	1.36	1.55	0.90	0.40	0.25	0.27
MAX	1.10	1.48	1.49	1.29	1.00	1.59	2.96	4.89	3.81	1.53	1.02	1.06
(WY)	2000	1984	1984	1997	1984	2000	1999	1999	1998	1999	1999	1999
MIN	0.042	0.059	0.000	0.047	0.068	0.093	0.15	0.013	0.006	0.009	0.000	0.008
(WY)	1989	1992	1992	1992	1991	1991	1992	1992	1992	1991	1988	1988

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1984 - 2002	
ANNUAL TOTAL	136.75		133.98			
ANNUAL MEAN	0.37		0.37		0.62	
HIGHEST ANNUAL MEAN					1.73	1999
LOWEST ANNUAL MEAN					0.051	1992
HIGHEST DAILY MEAN	2.0	Mar 25	3.3	Apr 20	8.7	Jan 2 1997
LOWEST DAILY MEAN	0.10	Jul 6	0.03	Jul 7	0.00	Jul 13 1988
ANNUAL SEVEN-DAY MINIMUM	0.11	Aug 25	0.04	Jul 2	0.00	Jul 13 1988
MAXIMUM PEAK FLOW			4.0	Apr 7	12	Jan 2 1997
MAXIMUM PEAK STAGE			4.47	Apr 7	4.75	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	271		266		452	
10 PERCENT EXCEEDS	0.85		0.60		1.5	
50 PERCENT EXCEEDS	0.27		0.26		0.36	
90 PERCENT EXCEEDS	0.13		0.06		0.04	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1983 to current year.

REMARKS.--In November 1987, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT									
01...	1510	.12	--	--	--	--	149	21.0	7.5
NOV									
08...	1310	.25	--	--	--	--	133	7.0	3.7
DEC									
06...	1440	.25	599	10.9	99	7.6	130	3.5	1.5
JAN									
09...	1510	.45	--	--	--	--	131	1.5	2.0
FEB									
04...	1625	.40	--	--	--	--	130	-3.0	.0
MAR									
04...	1650	.36	--	--	--	7.6	130	4.0	1.5
26...	1455	.32	--	--	--	--	130	8.0	2.0
APR									
01...	1555	.86	--	--	--	--	116	16.5	2.5
04...	1445	1.6	--	--	--	--	111	13.0	2.5
10...	1550	1.8	--	--	--	--	103	8.5	3.5
22...	1320	3.0	--	--	--	--	111	10.0	4.0
23...	1440	E.66	--	--	--	--	108	9.5	4.5
MAY									
07...	1755	.49	--	--	--	--	113	10.5	6.5
17...	1540	.28	--	--	--	--	125	18.5	9.0
JUN									
03...	0955	.16	596	9.3	98	8.0	136	9.5	7.0
JUL									
01...	1640	.03	--	--	--	--	157	24.5	10.5
AUG									
14...	1625	.05	601	8.2	96	7.4	153	26.5	11.5
SEP									
13...	1340	.10	--	--	--	--	155	21.0	7.5

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT								
01...	.003	.19	.002	.013	.003	56	2	<.01
NOV								
08...	<.003	.16	.002	.006	.001	56	2	<.01
DEC								
06...	.004	.20	.004	.009	.002	65	2	<.01
JAN								
09...	.005	.28	.012	.016	.001	70	2	<.01
FEB								
04...	<.003	.24	.022	.010	.001	74	3	<.01
MAR								
04...	<.003	.26	.019	.019	.002	285	11	.01
26...	.003	.40	.021	.010	.002	85	4	<.01
APR								
01...	.004	.83	.025	.025	.004	497	13	.03
04...	.003	1.0	.020	.042	.005	--	22	.10
10...	.004	.43	.013	.021	.004	404	6	.03
22...	.003	.44	.011	.011	.001	116	3	.02
23...	.004	.32	.009	.013	.002	174	4	E.01
MAY								
07...	<.003	.62	.005	.014	.002	167	4	.01
17...	<.003	.31	.004	.014	.003	103	2	<.01
JUN								
03...	.003	.10	.007	.021	.002	96	5	<.01
JUL								
01...	<.003	.08	.013	.024	.003	50	1	<.01
AUG								
14...	.004	.08	.020	.012	.004	57	1	<.01
SEP								
13...	.003	.11	.013	.013	.004	70	<1	<.01

Remark Codes Used in This report:
< -- Less than
E -- Estimated

10336748 BURKE CREEK ABOVE MOUTH NEAR STATELINE, NV

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 38°58'35", long 119°56'56", in SW $^1/_4$ NW $^1/_4$ sec.22, T.13 N., R.18 E., Douglas County, Hydrologic Unit 16050101, on right upstream side of culvert wingwall, 500 feet above confluence with Lake Tahoe, 0.5 mi south of Elks Point Road, and 1.0 mi southwest of intersection of Elks Point Road and U. S. Highway 50.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--March 2001 to current year.

REMARKS.--In March 2001, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
MAR									
20...	0920	.85	614	10.6	105	7.8	162	4.0	5.5
APR									
13...	1710	.82	--	--	--	--	162	19.0	16.5
MAY									
09...	1045	.80	--	--	--	--	157	--	12.5
JUN									
12...	1425	.52	610	7.3	102	7.8	155	23.5	20.5
AUG									
01...	1345	.32	610	7.2	101	7.1	158	25.5	20.5

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAR								
20...	<.003	.28	.003	.010	.001	77	2	<.01
APR								
13...	<.003	.39	.005	.026	.004	313	7	.02
MAY								
09...	<.003	.31	.003	.015	.002	210	2	<.01
JUN								
12...	.004	.28	.006	.025	.006	866	7	.01
AUG								
01...	.005	.27	.003	.026	.004	270	6	.01

Remark Codes Used in This report:
< -- Less than

10336750 EDGEWOOD CREEK BELOW SOUTH BENJAMIN DRIVE NEAR DAGGETT PASS, NV

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 38°58'00", long 119°53'37", in NW $^1/_4$ NW $^1/_4$ sec.30, T.13 N., R.19 E., Douglas County, Hydrologic Unit 16050101, Toiyabe National Forest, on left bank, 10 ft downstream of junction of two channels, 800 ft downstream of culvert on South Benjamin Drive and parking lot of Boulder section of Heavenly Valley Ski Area, 0.7 mi south of Daggett Pass, and 2.4 mi east of Stateline.

DRAINAGE AREA.--0.73 mi^2.

PERIOD OF RECORD.--August 1989, water years 1991 to current year.

REMARKS.--In April 1991, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
MAR									
20...	1120	.29	594	10.3	97	7.7	128	10.5	2.6
APR									
13...	1040	.57	--	--	--	--	83	12.5	4.5
MAY									
07...	1150	.34	--	--	--	--	91	13.5	7.5
JUN									
12...	1025	.13	592	8.8	95	7.6	109	18.5	7.5
JUL									
11...	1235	E.05	--	--	--	7.3	114	28.5	9.5
AUG									
02...	0950	.05	591	8.5	94	7.0	117	15.0	8.5

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAR								
20...	.015	.23	.044	.021	.003	1040	10	.01
APR								
13...	.004	.33	.044	.044	.006	741	19	.03
MAY								
07...	<.003	.27	.030	.027	.007	1030	6	.01
JUN								
12...	.005	.13	.022	.016	.007	1880	2	<.01
JUL								
11...	.004	.07	.034	.023	.008	487	3	<.01
AUG								
02...	.009	.05	.031	.025	.006	545	6	<.01

Remark Codes Used in This report:
< -- Less than
E -- Estimated

103367585 EDGEWOOD CREEK AT PALISADES DRIVE NEAR KINGSBURY, NV--Continued

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 38°58'00", long 119°54'54", in NW $^1/_4$ NW $^1/_4$ sec.25, T.13 N., R.18 E., Douglas County, Hydrologic Unit 16050101, on left bank, 50 ft downstream from culvert at Palisades Drive, and 1.2 mi east of intersection of U.S. Highway 50 and State Highway 207 at Kingsbury.

DRAINAGE AREA.--3.13 mi^2.

PERIOD OF RECORD.--Water years 1990 to current year.

REMARKS.--In October 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
JUL								
11...	1400	E1.0	7.8	147	22.0	12.0	<.003	--
18...	1735	E1.5	7.2	194	13.5	9.0	.003	.23

Date	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
JUL								
11...	.19	.019	.026	--	.008	463	2	E.01
18...	.28	.026	.099	.033	.022	1890	27	E.11

Remark Codes Used in This report:
< -- Less than
E -- Estimated

PYRAMID AND WINNEMUCCA LAKES BASIN

103367592 EAGLE ROCK CREEK NEAR STATELINE, NV

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 38°57'24", long 119°55'36", in NE $^1/_4$ SW $^1/_4$ sec.26, T.13 N., R.18 E., Douglas County, Hydrologic Unit 16050101, on right bank, 0.2 mi upstream from confluence of Edgewood Creek, and 0.8 mi east of Stateline.

DRAINAGE AREA.--0.63 mi^2 .

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1989 to September 2000, August 2002 to September 2002.

GAGE.--Water-stage recorder. Elevation of gage is 6,480 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4.0 ft^3/s, January 2, 1997, gage height, 5.68 ft; minimum daily, 0.19 ft^3/s, September 16-25, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period August and September, 0.61 ft^3/s, August 8, gage height, 5.47 ft; minimum daily, 0.45 ft^3/s, August 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	e0.50	0.52
2	---	---	---	---	---	---	---	---	---	---	e0.50	0.55
3	---	---	---	---	---	---	---	---	---	---	e0.52	0.51
4	---	---	---	---	---	---	---	---	---	---	e0.55	0.53
5	---	---	---	---	---	---	---	---	---	---	e0.55	0.53
6	---	---	---	---	---	---	---	---	---	---	0.59	0.53
7	---	---	---	---	---	---	---	---	---	---	0.61	0.59
8	---	---	---	---	---	---	---	---	---	---	0.59	0.61
9	---	---	---	---	---	---	---	---	---	---	0.56	0.61
10	---	---	---	---	---	---	---	---	---	---	0.53	0.58
11	---	---	---	---	---	---	---	---	---	---	0.53	0.56
12	---	---	---	---	---	---	---	---	---	---	0.53	0.58
13	---	---	---	---	---	---	---	---	---	---	0.53	0.58
14	---	---	---	---	---	---	---	---	---	---	0.51	0.61
15	---	---	---	---	---	---	---	---	---	---	0.47	0.61
16	---	---	---	---	---	---	---	---	---	---	0.47	0.61
17	---	---	---	---	---	---	---	---	---	---	0.47	0.61
18	---	---	---	---	---	---	---	---	---	---	0.47	0.61
19	---	---	---	---	---	---	---	---	---	---	0.45	0.61
20	---	---	---	---	---	---	---	---	---	---	0.47	0.61
21	---	---	---	---	---	---	---	---	---	---	0.47	0.61
22	---	---	---	---	---	---	---	---	---	---	0.47	0.61
23	---	---	---	---	---	---	---	---	---	---	0.52	0.61
24	---	---	---	---	---	---	---	---	---	---	0.53	0.61
25	---	---	---	---	---	---	---	---	---	---	0.53	0.61
26	---	---	---	---	---	---	---	---	---	---	0.53	0.61
27	---	---	---	---	---	---	---	---	---	---	0.51	0.61
28	---	---	---	---	---	---	---	---	---	---	0.47	0.61
29	---	---	---	---	---	---	---	---	---	---	0.47	0.58
30	---	---	---	---	---	---	---	---	---	---	0.47	0.53
31	---	---	---	---	---	---	---	---	---	---	0.47	---
TOTAL	---	---	---	---	---	---	---	---	---	---	15.84	17.54
MEAN	---	---	---	---	---	---	---	---	---	---	0.51	0.58
MAX	---	---	---	---	---	---	---	---	---	---	0.61	0.61
MIN	---	---	---	---	---	---	---	---	---	---	0.45	0.51
AC-FT	---	---	---	---	---	---	---	---	---	---	31	35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2002, BY WATER YEAR (WY)

MEAN	0.84	0.84	0.82	0.85	0.85	0.89	0.93	0.86	0.74	0.69	0.71	0.76
MAX	1.51	1.45	1.47	1.72	1.50	1.49	1.52	1.53	1.28	1.25	1.38	1.50
(WY)	1998	2000	2000	1997	1997	1997	1999	1999	1999	1999	1999	1999
MIN	0.26	0.27	0.29	0.26	0.29	0.39	0.37	0.29	0.25	0.25	0.26	0.21
(WY)	1993	1993	1993	1992	1993	1991	1992	1992	1992	1993	1994	1991

SUMMARY STATISTICS WATER YEARS 1990 - 2002

ANNUAL MEAN	0.85		
HIGHEST ANNUAL MEAN	1.42		1999
LOWEST ANNUAL MEAN	0.31		1992
HIGHEST DAILY MEAN	3.6	Jan 2	1997
LOWEST DAILY MEAN	0.19	Sep 16	1991
ANNUAL SEVEN-DAY MINIMUM	0.19	Sep 16	1991
MAXIMUM PEAK FLOW	4.0	Jan 2	1997
MAXIMUM PEAK STAGE	5.68	Jan 2	1997
ANNUAL RUNOFF (AC-FT)	614		
10 PERCENT EXCEEDS	1.5		
50 PERCENT EXCEEDS	0.86		
90 PERCENT EXCEEDS	0.27		

e Estimated

PYRAMID AND WINNEMUCCA LAKES BASIN

103367592 EAGLE ROCK CREEK NEAR STATELINE, NV

(Lake Tahoe Interagency Monitoring Program)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.

REMARKS.--In November 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
JUL									
08...	1610	E.60	--	--	--	--	81	23.0	10.0
11...	1605	.60	--	--	--	--	75	25.0	12.0
17...	1915	E.60	--	--	--	--	66	13.0	10.0
18...	1515	.71	--	--	--	--	327	10.5	7.5
24...	1350	.54	--	--	--	--	91	25.5	10.5
AUG									
02...	1605	.49	604	8.2	96	7.0	77	21.0	12.0
14...	1325	.51	605	8.5	99	7.0	66	28.0	11.5
SEP									
13...	1205	.60	--	--	--	--	58	20.5	7.5

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
JUL											
08...	.018	--	.21	.032	.202	--	.165	212	--	3	<.01
11...	.006	--	.08	.024	.129	--	.110	181	--	1	<.01
17...	.003	--	.16	.019	.098	--	.076	215	--	4	E.01
18...	.252	5.2	25	.531	5.67	1.54	1.43	25800	72	1040	2.0
24...	.004	.18	.26	.023	.295	.231	.209	782	--	24	.03
AUG											
02...	.008	.27	.28	.024	.191	.145	.131	620	--	21	.03
14...	.003	.17	.25	.018	.135	.097	.087	598	--	17	.02
SEP											
13...	.003	.06	.11	.025	.092	.059	.054	470	--	15	.02

Remark Codes Used in This report:
< -- Less than
E -- Estimated

PYRAMID AND WINNEMUCCA LAKES BASIN

10336760 EDGEWOOD CREEK AT STATELINE, NV

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 38°57'58", long 119°56'10", in NE $^1/_4$ NE $^1/_4$ sec.27, T.13 N., R.18 E., Douglas County, Hydrologic Unit 16050101, on left bank, at upstream side of culvert on U.S. Highway 50, and 0.5 mi northeast of Stateline.

DRAINAGE AREA.--5.61 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1966 to February 1980 (operated as partial record site), October 1992 to current year.

REVISED RECORDS.--WDR: NV-00-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,280 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Discharge affected by slight regulation and diversion for irrigation. See schematic diagram of Pyramid and Winnemucca Lakes Basin section.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 136 ft^3/s, January 2, 1997, gage height, 6.14 ft; minimum daily, 0.14 ft^3/s, May 10, 2002, due to temporary diversion upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15 ft^3/s, April 11; gage height, 4.47 ft; minimum daily, 0.14 ft^3/s, May 10, due to temporary diversion upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	2.0	3.0	3.4	3.5	4.6	4.8	2.3	2.6	1.7	1.8	1.8
2	1.7	2.0	3.1	3.4	3.5	4.3	5.2	4.4	2.5	1.9	1.8	1.7
3	1.7	2.0	3.1	3.6	3.5	4.3	8.5	5.7	2.5	1.9	1.8	1.7
4	1.7	1.9	3.1	3.7	3.5	4.1	7.1	4.1	2.5	1.8	1.9	1.4
5	1.7	2.1	3.1	3.8	3.4	4.1	6.7	e0.81	2.4	1.8	1.8	2.2
6	1.8	2.1	3.1	4.0	3.4	4.2	7.2	e3.5	2.3	1.9	1.8	2.0
7	1.8	2.1	3.1	4.0	3.5	4.4	6.1	5.8	2.2	1.8	1.8	1.8
8	2.7	2.2	3.1	4.1	3.4	4.4	5.8	4.2	2.1	1.8	1.8	1.8
9	3.1	2.1	3.1	4.1	3.5	4.5	4.2	2.4	2.1	1.8	1.8	1.7
10	3.0	2.1	3.1	4.0	3.4	4.5	2.7	e0.14	2.0	1.6	1.7	1.7
11	2.4	2.1	3.1	4.1	3.4	4.4	6.9	3.7	2.6	2.0	1.7	1.9
12	1.6	2.1	3.1	4.1	3.5	4.4	6.7	4.3	2.3	1.8	1.7	1.7
13	1.5	2.3	3.1	4.1	3.5	4.5	4.5	2.4	2.1	1.8	1.6	1.7
14	1.5	3.3	3.2	4.3	3.7	4.4	3.9	1.2	2.0	1.8	1.6	1.7
15	1.5	3.7	3.1	4.2	3.7	4.4	6.2	1.4	2.0	1.7	1.7	1.7
16	1.6	3.5	3.1	4.1	3.7	4.4	4.7	1.7	1.9	1.7	1.7	1.9
17	1.6	3.9	3.1	4.1	3.2	4.4	3.6	2.6	1.9	1.8	1.7	2.0
18	1.6	3.7	3.1	4.0	3.2	4.3	5.9	3.2	1.6	3.2	1.6	1.8
19	1.6	3.2	3.1	3.8	3.4	4.3	5.6	3.1	2.1	2.7	1.7	2.1
20	1.6	2.9	3.2	3.8	3.6	4.3	2.9	3.3	1.8	2.1	1.7	2.0
21	1.6	3.0	3.2	3.8	7.3	4.4	3.1	3.4	1.7	2.1	1.8	2.0
22	2.8	2.9	3.2	3.8	7.9	4.4	3.4	3.0	1.7	2.0	1.8	2.0
23	3.1	2.8	3.2	3.8	7.5	4.4	5.3	2.8	1.7	1.9	1.8	2.0
24	3.0	2.9	3.1	3.6	6.4	4.5	1.3	2.7	1.6	1.8	1.8	2.0
25	2.6	3.0	3.1	3.5	4.9	4.5	3.1	2.7	1.6	1.8	1.8	2.0
26	2.4	3.0	3.1	3.5	3.9	4.4	5.6	2.7	1.6	1.8	1.7	2.1
27	2.3	3.1	3.1	3.4	4.5	4.6	7.1	2.6	1.6	1.9	1.7	2.1
28	2.1	3.1	3.1	3.4	4.6	4.4	3.5	2.6	1.5	1.8	1.8	2.1
29	1.9	3.1	3.2	3.5	---	4.4	e1.6	2.5	1.5	1.8	1.8	2.2
30	2.0	3.1	3.2	3.5	---	4.5	6.0	2.5	1.5	1.8	1.8	2.1
31	2.0	---	3.4	3.6	---	4.7	---	2.6	---	1.8	1.8	---
TOTAL	63.2	81.3	97.0	118.1	116.5	136.4	149.2	90.35	59.5	59.1	54.3	56.9
MEAN	2.039	2.710	3.129	3.810	4.161	4.400	4.973	2.915	1.983	1.906	1.752	1.897
MAX	3.1	3.9	3.4	4.3	7.9	4.7	8.5	5.8	2.6	3.2	1.9	2.2
MIN	1.5	1.9	3.0	3.4	3.2	4.1	1.3	0.14	1.5	1.6	1.6	1.4
AC-FT	125	161	192	234	231	271	296	179	118	117	108	113

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2002, BY WATER YEAR (WY)

MEAN	3.398	3.813	4.261	5.349	5.005	6.635	7.995	7.960	4.915	3.098	2.895	3.229
MAX	5.87	5.96	6.50	14.4	7.22	9.83	13.5	15.8	10.0	5.67	4.39	5.44
(WY)	1999	1999	1997	1997	2000	1998	1999	1999	1998	1998	1997	1997
MIN	1.49	1.69	1.48	2.10	2.15	2.57	2.92	2.34	1.57	1.38	1.62	1.47
(WY)	1993	1993	1993	1993	1993	1994	1994	1994	1994	1994	1994	1993

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1993 - 2002	
ANNUAL TOTAL	1190.23		1081.85			
ANNUAL MEAN	3.261		2.964		4.877	
HIGHEST ANNUAL MEAN					7.71	1999
LOWEST ANNUAL MEAN					2.17	1994
HIGHEST DAILY MEAN	8.2	Mar 25	8.5	Apr 3	102	Jan 2 1997
LOWEST DAILY MEAN	0.66	Jun 30	0.14	May 10	0.14	May 10 2002
ANNUAL SEVEN-DAY MINIMUM	1.4	Jun 25	1.6	Oct 12	1.3	Sep 23 1993
MAXIMUM PEAK FLOW			15	Apr 11	136	Jan 2 1997
MAXIMUM PEAK STAGE			4.47	Apr 11	6.14	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	2360		2150		3530	
10 PERCENT EXCEEDS	5.1		4.5		8.7	
50 PERCENT EXCEEDS	3.1		2.8		4.2	
90 PERCENT EXCEEDS	1.6		1.7		1.8	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1992 to current year.

REMARKS.--In August 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT									
01...	1355	1.6	--	--	--	--	93	17.0	9.0
NOV									
08...	1140	2.1	--	--	--	--	87	9.5	5.6
DEC									
06...	1325	3.1	607	10.5	98	7.2	100	5.0	3.0
JAN									
09...	1350	4.0	--	--	--	--	163	2.5	3.5
FEB									
05...	1605	3.4	--	--	--	--	126	3.0	2.0
MAR									
04...	1540	4.1	--	--	--	7.5	140	9.0	3.0
26...	1325	4.4	--	--	--	--	140	9.0	4.5
APR									
01...	1440	4.8	--	--	--	--	131	17.0	5.0
03...	1745	9.9	--	--	--	--	124	12.0	5.0
13...	1535	4.8	--	--	--	--	113	16.0	6.5
22...	1150	3.4	--	--	--	--	119	11.0	5.0
23...	1330	E5.3	--	--	--	--	110	15.5	6.0
26...	1615	5.6	--	--	--	--	103	6.0	7.0
MAY									
07...	1520	5.6	--	--	--	--	114	13.0	9.5
17...	1435	3.0	--	--	--	--	107	20.5	10.5
JUN									
03...	0805	2.6	603	7.8	92	7.8	122	10.5	12.0
JUL									
08...	1420	1.9	--	--	--	--	114	21.5	16.0
18...	1445	4.6	--	--	--	7.0	102	11.0	13.5
AUG									
14...	1035	1.7	609	7.5	91	6.9	102	21.0	14.0
SEP									
13...	1055	1.8	--	--	--	--	93	15.5	10.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT									
01...	.005	.16	.005	.024	--	.003	391	1	<.01
NOV									
08...	.004	.17	.005	.020	--	.009	390	3	.02
DEC									
06...	.005	.15	.014	.021	--	.011	461	5	.04
JAN									
09...	.015	.21	.014	.026	--	.011	398	2	.02
FEB									
05...	.014	.14	.022	.027	--	.009	371	2	.02
MAR									
04...	.009	.15	.021	.021	--	.010	373	2	.02
26...	.004	.20	.010	.030	--	.008	546	5	.06
APR									
01...	<.003	.25	.015	.182	--	.010	713	6	.08
03...	.003	.45	.011	.035	--	.008	739	9	.24
13...	<.003	.36	.014	.036	--	.007	572	4	.05
22...	.005	.31	.018	.023	--	.009	411	5	.05
23...	.004	.07	.017	.029	--	.009	639	14	E.20
26...	.004	.36	.016	.025	--	.008	466	8	.12
MAY									
07...	.003	.37	.004	.029	--	.009	402	3	.05
17...	<.003	.24	.004	.041	--	.021	213	3	.02
JUN									
03...	.003	.31	.003	.032	--	.012	361	5	.04
JUL									
08...	.009	.15	.007	.057	--	.027	586	4	.02
18...	.009	.30	.005	.082	.054	.037	1040	15	.19
AUG									
14...	.010	.29	.011	.054	--	.032	649	1	<.01
SEP									
13...	.005	.08	.008	.037	--	.019	484	2	.01

Remark Codes Used in This report:
  < -- Less than
  E -- Estimated

PYRAMID AND WINNEMUCCA LAKES BASIN

10336765 EDGEWOOD CREEK AT LAKE TAHOE NEAR STATELINE, NV

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 38°58'05", long 119°56'54", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ sec.27, T.13 N., R.18 E., Douglas County, Hydrologic Unit 16050101, on right bank, 800 ft above mouth, on Edgewood Golf Course at Stateline.

DRAINAGE AREA.--6.57 mi^2, revised.

PERIOD OF RECORD.--Water years 1984-85, 1989 to current year.

REMARKS.--In December 1988, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
MAR									
20...	1235	4.0	612	12.5	126	8.7	157	7.5	6.2
APR									
13...	1245	4.6	--	--	--	--	120	11.0	11.5
MAY									
07...	1410	5.7	--	--	--	--	124	12.5	14.0
JUN									
12...	1245	1.2	610	10.4	142	9.5	140	16.0	19.5
AUG									
02...	1325	.38	609	9.5	145	9.0	120	23.0	25.0

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAR								
20...	.005	.37	.007	.021	.007	626	5	.05
APR								
13...	.004	.34	.007	.030	.005	605	3	.04
MAY								
07...	<.003	.41	.006	.028	.006	596	3	.05
JUN								
12...	.007	.36	.010	.038	.015	247	7	.02
AUG								
02...	.009	.19	.005	.030	.006	273	5	.01

Remark Codes Used in This report:
< -- Less than

PYRAMID AND WINNEMUCCA LAKES BASIN

10336770 TROUT CREEK AT U.S. FOREST SERVICE ROAD 12N01 NEAR MEYERS, CA

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 38°51'48", long 119°57'26", in NE $^1/_4$ NW $^1/_4$ sec.26, T.12 N., R.18 E., El Dorado County, Hydrologic Unit 16050101, on right bank, 50 ft downstream from U.S. Forest Service Road 12N01, about 2.2 mi upstream from confluence of Saxon Creek, and 2.6 mi northeast of Meyers.

DRAINAGE AREA.--7.41 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,850 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 166 ft^3/s, June 27, 1995, gage height, 6.19 ft; minimum daily, 1.9 ft^3/s, December 21, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 1	1015	*38	4.99				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	3.3	3.3	3.8	e3.4	4.0	6.6	8.9	28	7.6	4.6	3.8
2	3.2	3.2	e3.4	4.1	3.3	e3.5	7.3	9.5	26	7.3	4.5	3.7
3	3.3	3.1	e3.4	4.0	3.3	e3.6	8.3	11	24	7.1	4.5	3.7
4	3.3	3.1	e3.5	3.9	3.3	3.7	9.1	12	23	6.9	4.5	3.8
5	3.3	3.1	e3.6	3.9	3.3	3.7	9.4	13	23	6.8	4.4	3.8
6	3.3	3.1	3.7	5.8	3.3	3.9	9.4	14	23	6.6	4.4	3.9
7	3.3	3.1	3.7	4.8	3.4	4.0	9.2	16	21	6.5	4.2	3.9
8	3.4	3.1	3.7	4.3	3.4	e3.8	9.3	16	20	6.3	4.1	3.9
9	3.4	3.1	3.7	4.0	3.3	3.8	9.3	16	18	6.1	4.0	3.8
10	3.4	3.1	3.6	4.0	3.3	3.6	9.8	16	17	5.9	4.0	3.8
11	3.4	3.5	3.6	3.9	3.4	3.7	11	15	16	5.8	4.0	3.7
12	3.4	3.4	3.6	3.9	3.4	3.9	12	16	15	6.1	4.0	3.7
13	3.4	3.4	3.6	3.8	3.4	3.7	12	17	16	6.2	3.9	3.7
14	3.4	3.4	3.7	3.8	3.4	4.1	16	19	14	5.9	3.9	3.6
15	3.4	3.4	3.6	e3.8	3.4	e3.6	15	20	13	5.6	3.9	3.4
16	3.4	3.3	3.6	e3.8	3.4	e3.6	12	21	13	5.5	3.8	3.5
17	3.4	3.3	3.6	e3.8	3.4	e3.6	10	23	13	5.4	3.8	3.5
18	3.5	3.1	3.6	e3.8	3.4	3.5	9.1	24	13	6.5	3.8	3.5
19	3.5	3.1	3.6	e3.8	3.6	3.6	8.5	23	12	6.2	3.8	3.5
20	3.5	3.1	3.6	3.8	4.2	3.7	8.3	21	12	5.7	3.8	3.5
21	3.6	5.4	3.6	3.6	3.9	3.9	8.6	18	12	5.5	3.8	3.5
22	3.6	6.3	3.6	3.5	3.9	4.0	9.3	17	11	5.3	3.9	3.5
23	3.6	3.6	3.6	3.6	3.9	4.0	10	16	11	5.2	3.9	3.5
24	3.6	5.7	3.6	3.4	3.8	3.8	11	17	11	5.0	3.8	3.4
25	3.6	5.2	3.6	3.4	3.7	3.7	12	19	11	5.0	3.8	3.4
26	3.6	7.4	3.6	3.5	3.9	3.7	11	19	11	4.9	3.8	3.4
27	3.6	6.2	3.6	3.4	3.9	4.0	11	20	9.0	4.9	3.8	3.4
28	3.6	3.5	3.7	3.4	3.9	4.3	10	21	8.5	4.8	3.8	3.5
29	3.6	3.4	3.8	e3.4	---	5.0	9.7	23	8.1	4.7	3.8	3.5
30	4.4	3.3	3.9	e3.4	---	5.5	9.3	24	7.8	4.7	3.9	3.6
31	3.6	---	4.3	e3.4	---	6.0	---	26	---	4.6	3.8	---
TOTAL	107.8	114.3	112.6	118.8	99.2	122.5	303.5	551.4	460.4	180.6	124.0	108.4
MEAN	3.477	3.810	3.632	3.832	3.543	3.952	10.12	17.79	15.35	5.826	4.000	3.613
MAX	4.4	7.4	4.3	5.8	4.2	6.0	16	26	28	7.6	4.6	3.9
MIN	3.2	3.1	3.3	3.4	3.3	3.5	6.6	8.9	7.8	4.6	3.8	3.4
AC-FT	214	227	223	236	197	243	602	1090	913	358	246	215

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2002, BY WATER YEAR (WY)

MEAN	5.015	5.284	5.655	6.572	5.305	6.524	10.39	25.01	29.75	15.37	7.239	5.517
MAX	7.87	8.20	14.2	24.9	11.4	14.2	22.3	48.1	84.9	62.1	20.0	10.7
(WY)	1999	1997	1997	1997	1997	1997	1997	1997	1995	1995	1995	1998
MIN	2.91	2.93	2.63	2.59	2.65	3.25	5.18	8.81	4.10	3.41	2.93	3.02
(WY)	1993	1993	1993	1991	1991	1991	1991	1992	1992	2001	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1990 - 2002	
ANNUAL TOTAL	1786.4		2403.5			
ANNUAL MEAN	4.894		6.585		10.92	
HIGHEST ANNUAL MEAN					19.8	1995
LOWEST ANNUAL MEAN					4.48	1992
HIGHEST DAILY MEAN	18	May 12	28	Jun 1	130	Jun 28 1995
LOWEST DAILY MEAN	2.8	Aug 18	3.1	Nov 3	1.9	Dec 21 1990
ANNUAL SEVEN-DAY MINIMUM	2.8	Aug 25	3.1	Nov 3	2.4	Dec 17 1990
MAXIMUM PEAK FLOW			38	Jun 1	166	Jun 27 1995
MAXIMUM PEAK STAGE			5.36	Dec 3	6.19	Jun 27 1995
ANNUAL RUNOFF (AC-FT)	3540		4770		7910	
10 PERCENT EXCEEDS	7.9		16		23	
50 PERCENT EXCEEDS	3.9		3.9		5.9	
90 PERCENT EXCEEDS	3.0		3.4		3.2	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: September 1997 to current year.

INSTRUMENTATION.--Water temperature recorder since September 1997 to current year, two times per hour.

REMARKS.--In November 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Water temperature monitor records represent water temperature at probe within 0.5°C. Water temperature records for September 1997 were not published but are available from the U.S. Geological Survey, in Carson City, NV.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 14.0°C, July 10, 2002; minimum, freezing point on many days.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 14.0°C, July 10; minimum, freezing point, many days November, January, and February.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT								
02...	1330	3.3	60	23.0	7.7	<.003	.14	.002
SEP								
11...	1620	3.6	54	17.5	7.5	.003	.16	.006

Date	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT						
02...	.016	--	.009	74	1	.01
SEP						
11...	.015	.014	.010	68	2	.02

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.0	6.0	7.0	4.0	2.0	3.0	1.0	0.5	1.0	3.0	2.0	2.5
2	8.5	6.0	7.5	4.0	2.5	3.0	1.0	0.5	0.5	2.5	2.5	2.5
3	8.5	6.0	7.5	4.0	2.0	3.0	0.5	0.5	0.5	2.5	1.0	2.0
4	8.0	6.0	7.0	4.0	2.5	3.5	0.5	0.5	0.5	1.5	0.5	1.0
5	7.5	5.5	6.5	4.0	2.5	3.5	1.0	0.5	0.5	2.5	1.5	2.0
6	7.5	5.5	6.5	4.0	2.5	3.5	1.5	1.0	1.5	2.5	2.5	2.5
7	7.5	5.0	6.5	3.0	2.0	2.5	1.5	1.0	1.5	2.5	2.0	2.5
8	7.0	5.0	6.0	3.0	1.5	2.5	2.0	1.0	1.5	3.0	2.0	2.5
9	6.0	3.5	4.5	3.0	1.5	2.5	2.0	1.5	1.5	2.0	1.5	2.0
10	5.5	2.5	4.0	3.5	1.5	2.5	1.5	1.0	1.5	2.0	1.0	1.5
11	6.0	4.5	5.5	4.5	3.5	4.0	1.5	1.0	1.5	2.0	1.0	1.5
12	6.0	3.5	5.0	4.0	2.5	3.0	1.5	1.0	1.5	2.0	1.5	2.0
13	6.0	3.0	4.5	3.0	2.5	2.5	2.0	1.5	2.0	1.5	0.5	1.0
14	6.5	4.0	5.5	3.5	2.5	3.0	1.5	1.0	1.0	1.0	0.5	1.0
15	6.5	4.0	5.5	4.0	2.5	3.0	1.0	0.5	0.5	0.5	0.5	0.5
16	6.5	4.5	5.5	4.0	3.0	3.5	2.0	1.0	1.5	0.5	0.5	0.5
17	6.5	4.0	5.5	3.5	2.5	3.0	2.0	1.5	1.5	0.5	0.5	0.5
18	6.0	4.0	5.0	2.5	1.5	2.0	1.5	0.5	1.0	0.5	0.5	0.5
19	6.0	3.5	5.0	3.5	1.5	2.5	2.0	1.5	1.5	0.5	0.5	0.5
20	6.0	4.0	5.0	4.0	3.0	3.5	2.0	1.5	1.5	1.0	0.5	0.5
21	5.5	4.0	5.0	4.0	3.0	3.5	1.5	1.0	1.5	1.0	1.0	1.0
22	5.0	3.0	4.0	3.5	1.0	2.0	1.5	1.5	1.5	1.0	0.5	0.5
23	5.5	4.0	4.5	1.5	0.5	1.0	2.0	1.0	1.5	0.5	0.5	0.5
24	4.5	2.5	3.5	2.0	0.0	1.0	1.5	0.5	1.0	1.5	0.5	0.5
25	5.0	3.0	4.0	0.0	0.0	0.0	2.5	1.0	1.5	1.5	1.5	1.5
26	5.0	3.5	4.5	0.0	0.0	0.0	2.5	2.0	2.5	1.5	1.5	1.5
27	5.5	4.0	5.0	0.0	0.0	0.0	2.5	2.5	2.5	1.5	1.0	1.5
28	5.5	4.0	5.0	1.0	0.0	0.5	2.5	2.5	2.5	1.0	0.5	0.5
29	6.0	4.0	5.0	1.0	0.5	0.5	3.0	2.5	2.5	0.5	0.5	0.5
30	6.0	4.0	5.5	1.0	0.5	0.5	3.0	2.5	3.0	0.5	0.0	0.0
31	4.0	3.5	4.0	---	---	---	2.5	2.5	2.5	0.5	0.0	0.0
MONTH	8.5	2.5	5.3	4.5	0.0	2.3	3.0	0.5	1.5	3.0	0.0	1.2

10336770 TROUT CREEK AT U.S. FOREST SERVICE ROAD 12N01 NEAR MEYERS, CA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.0	0.0	0.0	1.5	0.5	1.0	4.0	1.5	3.0	4.5	0.5	2.5
2	1.0	0.5	0.5	1.5	0.5	0.5	4.5	2.0	3.0	6.5	2.0	4.0
3	1.0	0.5	0.5	1.5	0.5	1.0	4.5	2.0	3.0	7.0	2.5	4.5
4	1.0	0.5	0.5	2.0	0.5	1.0	4.5	2.0	3.0	6.5	2.5	4.5
5	1.5	0.5	1.0	2.5	1.5	2.0	4.5	2.0	3.0	7.5	2.0	4.5
6	1.5	0.5	1.0	2.5	0.5	2.0	4.5	1.5	3.0	7.5	2.0	4.5
7	1.5	1.0	1.5	1.0	0.5	0.5	4.5	2.0	3.0	7.5	2.5	4.5
8	1.5	1.0	1.0	0.5	0.5	0.5	4.5	2.0	3.0	7.0	1.5	4.0
9	1.5	0.5	1.0	1.5	0.5	1.0	4.0	2.5	3.0	7.0	2.0	4.0
10	2.0	1.0	1.5	2.0	1.0	1.5	5.0	2.0	3.5	5.5	2.0	3.5
11	2.0	1.5	1.5	2.5	1.0	1.5	5.5	2.5	3.5	7.0	2.0	4.0
12	2.0	1.5	2.0	3.0	2.0	2.5	5.5	2.0	3.5	7.0	2.0	4.5
13	2.0	1.5	2.0	2.0	0.5	1.0	6.0	2.0	3.5	7.0	2.5	4.5
14	2.5	2.0	2.5	0.5	0.5	0.5	6.0	2.5	3.5	8.0	2.5	5.0
15	2.5	2.0	2.0	0.5	0.5	0.5	3.0	1.0	2.0	7.5	2.5	4.5
16	2.5	2.0	2.0	0.5	0.5	0.5	3.5	0.5	1.5	8.0	2.5	5.0
17	2.0	1.5	1.5	1.0	0.5	0.5	1.5	0.5	1.0	9.0	3.0	5.5
18	2.0	1.0	1.5	1.0	0.5	0.5	1.5	0.5	1.0	8.5	3.5	5.5
19	2.5	2.0	2.0	2.0	0.5	1.0	3.0	1.0	1.5	6.5	3.5	5.0
20	2.5	2.0	2.5	2.0	1.0	1.5	3.5	0.5	2.0	4.5	2.0	3.0
21	2.5	2.0	2.5	2.5	2.0	2.5	5.0	1.0	3.0	5.0	1.5	3.0
22	3.0	2.0	2.5	3.0	2.0	2.5	6.0	1.5	3.5	6.5	0.5	3.5
23	2.5	2.0	2.5	2.5	1.0	1.5	6.5	2.0	3.5	7.5	2.0	4.5
24	2.0	1.0	1.5	2.5	1.5	2.0	6.5	2.5	4.0	8.5	3.0	6.0
25	2.0	1.0	1.5	2.5	0.5	1.5	6.0	2.5	4.0	8.5	4.0	6.5
26	2.5	1.0	2.0	3.0	1.5	2.0	4.0	3.0	3.5	9.0	4.0	6.5
27	2.5	1.5	2.0	3.0	1.0	2.0	5.0	2.0	3.5	8.5	4.5	6.5
28	2.5	0.5	1.5	3.5	2.0	2.5	4.5	1.5	2.5	10.5	4.5	7.5
29	---	---	---	3.5	2.0	3.0	3.0	0.5	2.0	11.5	6.0	8.5
30	---	---	---	4.0	1.5	2.5	4.5	1.5	2.5	11.5	6.0	9.0
31	---	---	---	4.0	1.5	2.5	---	---	---	11.5	6.0	9.0
MONTH	3.0	0.0	1.6	4.0	0.5	1.5	6.5	0.5	2.9	11.5	0.5	5.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	10.0	7.0	8.5	13.5	7.5	10.5	12.5	8.5	10.5	10.0	7.0	8.5
2	9.5	4.0	7.0	13.0	8.5	11.0	13.0	9.0	11.0	10.0	7.0	9.0
3	10.0	5.0	8.0	12.5	8.0	10.5	12.0	7.5	10.0	10.0	7.5	8.5
4	11.0	6.0	8.5	12.5	7.5	10.0	11.5	8.0	9.5	9.5	8.0	9.0
5	12.0	6.5	9.5	12.5	7.5	10.0	11.0	7.5	9.0	9.5	8.0	8.5
6	12.0	6.0	9.0	12.0	7.0	10.0	10.5	7.0	8.5	9.0	7.0	8.0
7	11.5	6.5	9.0	12.5	8.5	10.5	9.5	5.5	8.0	7.0	4.5	6.0
8	10.5	6.5	8.0	12.0	7.5	10.0	10.0	6.0	8.0	7.0	4.0	5.5
9	8.0	4.0	6.0	13.0	8.0	10.5	11.0	6.5	9.0	7.5	4.0	6.0
10	9.5	4.0	6.5	14.0	9.0	11.5	11.5	7.5	9.5	8.0	4.5	6.5
11	10.5	5.0	8.0	13.0	9.5	11.5	11.0	7.5	9.5	8.0	5.0	6.5
12	11.0	6.0	8.5	12.0	10.5	11.5	12.0	8.0	10.0	8.5	5.5	7.0
13	11.5	7.0	9.5	13.0	9.5	11.0	12.0	8.5	10.5	8.5	5.5	7.0
14	12.0	6.0	9.0	13.5	10.0	11.5	13.0	9.0	10.5	9.0	6.0	7.5
15	11.5	5.5	8.5	13.0	9.5	11.5	12.5	8.5	10.5	9.0	7.0	8.0
16	11.5	5.5	8.5	13.0	9.0	11.0	12.0	8.0	10.5	8.0	5.0	6.5
17	12.0	7.0	9.5	12.0	9.5	10.5	11.0	7.5	9.5	7.5	5.0	6.5
18	12.5	8.0	10.0	10.5	8.5	9.0	11.0	7.0	9.0	7.5	5.0	6.5
19	12.0	7.5	9.5	11.5	7.0	9.5	10.0	6.5	8.5	7.5	4.5	6.0
20	11.5	7.5	9.5	12.5	8.5	10.5	9.5	6.0	8.0	8.0	5.0	6.5
21	11.5	7.0	9.5	12.0	9.0	10.5	8.5	4.5	7.0	8.5	5.5	7.0
22	11.5	6.5	9.0	12.0	8.0	10.0	9.0	5.5	7.5	8.5	5.5	7.0
23	12.5	7.5	10.0	11.0	7.0	9.5	9.0	5.0	7.0	8.5	5.5	7.0
24	12.0	6.5	9.5	12.5	8.5	10.0	9.0	5.0	7.0	8.0	5.5	7.0
25	13.0	8.0	10.5	11.5	7.0	9.5	8.5	4.5	7.0	8.0	5.5	7.0
26	13.0	8.5	11.0	11.0	6.0	9.0	9.0	5.0	7.0	7.5	5.0	6.5
27	12.5	7.5	10.0	12.0	7.5	10.0	9.5	6.5	8.0	7.5	6.0	6.5
28	12.5	7.5	10.0	12.0	8.5	10.5	9.5	6.5	8.5	7.0	5.0	6.0
29	12.5	7.5	10.0	12.5	8.5	10.5	9.5	6.5	8.0	6.5	4.0	5.0
30	13.0	7.0	10.0	13.0	9.0	11.0	9.5	7.0	8.5	5.5	3.0	4.5
31	---	---	---	12.5	8.5	10.5	10.0	7.0	8.5	---	---	---
MONTH	13.0	4.0	9.0	14.0	6.0	10.4	13.0	4.5	8.8	10.0	3.0	6.9
YEAR	14.0	0.0	4.7									

Remark Codes Used in This report:
  < -- Less than

PYRAMID AND WINNEMUCCA LAKES BASIN

10336775 TROUT CREEK AT PIONEER TRAIL NEAR SOUTH LAKE TAHOE, CA

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 38°54'13", long 119°58'04", in SE $^1/_4$ NE $^1/_4$ sec.10, T.12 N., R.18 E., El Dorado County, Hydrologic Unit 16050101, on left bank, 200 ft upstream of Pioneer Trail Road, 0.6 mi upstream of confluence of Cold Creek, and 2.8 mi south of South Lake Tahoe.

DRAINAGE AREA.--23.1 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,270 ft above sea level, from topographic map. Prior to May 1, 1992, at datum 0.12 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 525 ft^3/s, January 2, 1997, gage height, 7.59 ft; minimum daily, 2.0 ft^3/s, December 22, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 1	0115	49	2.38				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	6.0	8.4	e8.4	e7.7	e11	18	23	46	15	7.8	5.6
2	4.6	5.7	e8.4	11	e7.7	e11	20	23	40	15	7.7	5.5
3	4.5	5.6	e8.4	11	e7.7	e11	22	24	36	14	7.5	5.5
4	4.3	5.5	e8.4	e10	e7.7	e11	25	25	36	14	7.4	5.5
5	4.3	5.5	e8.4	11	e7.7	9.7	26	27	37	14	7.3	5.6
6	4.4	5.5	e8.4	14	e7.7	e10	25	28	37	14	7.3	5.7
7	4.4	5.5	e8.4	13	e7.7	e10	24	30	36	13	7.1	5.8
8	4.5	5.5	e8.4	11	e7.7	e10	24	29	34	13	7.0	5.8
9	4.5	5.9	e8.4	9.8	e7.7	e10	25	28	32	13	6.9	5.8
10	4.6	5.5	e8.4	9.7	e7.7	10	25	28	31	12	6.8	5.7
11	4.6	6.1	e8.4	e9.5	e7.7	e11	26	26	29	12	6.7	5.6
12	4.6	6.6	e8.4	e9.3	e7.7	10	28	27	28	12	6.6	5.5
13	4.6	6.6	e8.4	e9.3	e7.7	11	28	29	28	13	6.4	5.5
14	4.6	6.3	e8.4	e9.3	e7.7	9.7	33	30	27	12	6.4	5.5
15	4.5	6.3	e8.4	9.3	e7.7	e10	34	33	26	12	6.3	5.3
16	4.5	6.2	e8.4	9.3	e7.7	e11	28	33	25	11	6.1	5.4
17	4.5	5.9	e8.4	e9.3	7.6	11	27	35	24	12	6.0	5.5
18	4.5	5.8	e8.4	9.3	7.7	11	25	38	24	14	6.0	5.6
19	4.6	5.7	e8.4	e8.8	8.1	e11	23	39	23	14	6.0	5.6
20	4.6	5.7	e8.4	e8.4	e10	e11	23	35	22	12	5.9	5.5
21	4.5	7.9	e8.4	e8.0	e10	11	23	32	22	11	6.0	5.4
22	4.6	18	e8.4	e7.7	e10	11	24	28	21	10	6.1	5.3
23	4.7	9.0	e8.4	e7.7	e10	e11	24	27	20	9.8	6.1	5.3
24	4.6	13	e8.4	e7.7	e10	10	25	28	19	9.3	6.1	5.2
25	4.7	10	e8.4	e7.7	e10	11	26	30	18	8.9	6.0	5.2
26	4.7	14	e8.4	e7.7	e10	10	27	30	18	8.7	5.9	5.2
27	4.7	8.9	e8.4	e7.7	10	11	26	32	17	8.6	6.0	5.3
28	4.7	8.5	e8.4	e7.7	11	13	24	32	17	8.4	5.9	5.4
29	4.7	e8.5	e8.4	e7.7	---	14	25	35	16	8.1	5.8	5.5
30	5.8	e8.4	e8.4	e7.7	---	16	24	40	16	8.0	5.7	5.6
31	7.3	---	e8.4	e7.7	---	17	---	44	---	7.9	5.7	---
TOTAL	145.3	223.6	260.4	285.7	237.6	345.4	757	948	805	359.7	200.5	164.9
MEAN	4.687	7.453	8.400	9.216	8.486	11.14	25.23	30.58	26.83	11.60	6.468	5.497
MAX	7.3	18	8.4	14	11	17	34	44	46	15	7.8	5.8
MIN	4.3	5.5	8.4	7.7	7.6	9.7	18	23	16	7.9	5.7	5.2
AC-FT	288	444	517	567	471	685	1500	1880	1600	713	398	327

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2002, BY WATER YEAR (WY)

MEAN	9.126	10.06	11.97	17.72	15.05	20.78	29.95	55.13	59.03	32.08	12.85	9.238
MAX	15.4	18.7	34.2	87.8	38.2	42.0	54.9	107	158	142	35.8	19.0
(WY)	1999	1997	1997	1997	1997	1997	1996	1996	1995	1995	1995	1995
MIN	4.49	5.03	4.05	4.70	5.49	7.85	12.2	14.2	7.66	5.64	4.11	4.08
(WY)	1991	1991	1991	1991	1993	1992	1991	1992	1992	2001	2001	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1990 - 2002	
ANNUAL TOTAL	3356.0		4733.1			
ANNUAL MEAN	9.195		12.97		24.18	
HIGHEST ANNUAL MEAN					46.9	1995
LOWEST ANNUAL MEAN					7.71	1992
HIGHEST DAILY MEAN	28	May 12	46	Jun 1	457	Jan 2 1997
LOWEST DAILY MEAN	3.8	Aug 19	4.3	Oct 4	2.0	Dec 22 1990
ANNUAL SEVEN-DAY MINIMUM	3.9	Aug 26	4.4	Oct 3	2.8	Dec 21 1990
MAXIMUM PEAK FLOW			49	Jun 1	525	Jan 2 1997
MAXIMUM PEAK STAGE			2.38	Jun 1	7.59	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	6660		9390		17510	
10 PERCENT EXCEEDS	16		28		57	
50 PERCENT EXCEEDS	8.4		8.5		13	
90 PERCENT EXCEEDS	4.1		5.4		5.2	

e Estimated

10336775 TROUT CREEK AT PIONEER TRAIL NEAR SOUTH LAKE TAHOE, CA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: September 1997 to current year.

INSTRUMENTATION.--Water temperature recorder since September 1997, two times per hour.

REMARKS.--In November 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Water temperature records represent water temperature at probe within 0.5°C. Interruptions in water temperature record due to instrument malfunction and loss of communication between stream and sensor. Water temperature data for September 1997 were not published but are available from the U.S. Geological Survey, Carson City, NV.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 22.0°C, July 2, 2001; minimum, freezing point on many days.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, presumably not measured during instrument malfunction; minimum, freezing point, many days November to April.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT									
02...	1520	4.7	--	--	63	23.0	14.2	<.003	--
NOV									
07...	1040	5.5	--	--	61	9.5	2.6	<.003	--
DEC									
11...	0945	16	597	7.4	59	-1.5	.3	.004	.13
SEP									
11...	1510	5.8	--	--	57	23.0	11.9	<.003	--

Date	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT								
02...	.22	.002	.020	--	.009	161	1	.01
NOV								
07...	.17	.003	.012	--	.006	167	3	.04
DEC								
11...	.20	.003	.014	.015	.006	189	2	.09
SEP								
11...	<.04	.003	.015	.016	.009	147	1	.02

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.5	6.0	9.5	6.5	1.5	4.0	0.0	0.0	0.0	0.5	0.0	0.0
2	14.5	6.5	10.0	6.0	1.5	3.5	0.0	0.0	0.0	1.5	0.5	1.0
3	14.5	6.0	9.5	6.0	1.5	3.5	0.0	0.0	0.0	2.0	0.0	1.0
4	14.0	6.0	9.5	6.5	1.5	3.5	0.0	0.0	0.0	0.5	0.0	0.0
5	13.5	6.0	9.0	6.5	1.5	3.5	0.0	0.0	0.0	1.0	0.0	0.5
6	12.5	6.0	9.0	6.5	1.5	3.5	0.0	0.0	0.0	2.0	1.0	1.0
7	12.5	5.0	8.5	5.5	1.0	3.0	0.5	0.0	0.0	2.5	0.5	1.5
8	11.0	6.5	8.0	5.0	0.0	2.0	0.5	0.0	0.0	3.0	1.0	2.0
9	10.5	3.5	6.5	4.0	0.0	1.5	0.0	0.0	0.0	2.0	0.0	1.0
10	9.5	2.0	5.5	4.5	0.0	2.0	0.0	0.0	0.0	1.5	0.0	0.5
11	9.5	4.5	6.5	5.5	3.0	4.0	0.5	0.0	0.0	0.5	0.0	0.5
12	10.5	3.5	6.5	5.0	2.0	3.0	0.5	0.0	0.0	1.5	0.0	0.5
13	10.0	2.5	6.0	4.5	2.0	3.0	0.5	0.0	0.0	0.5	0.0	0.0
14	9.0	3.0	6.0	5.5	2.0	3.5	0.0	0.0	0.0	0.5	0.0	0.0
15	9.5	3.5	6.0	4.5	1.0	3.0	0.5	0.0	0.0	0.5	0.0	0.0
16	9.5	3.5	6.5	5.5	2.0	3.5	0.5	0.0	0.0	0.5	0.0	0.0
17	9.0	3.5	6.0	5.0	1.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
18	10.0	3.5	6.5	4.5	1.0	2.5	0.5	0.0	0.0	0.5	0.0	0.0
19	8.5	2.5	5.5	4.5	0.5	2.0	0.5	0.0	0.0	0.5	0.0	0.0
20	9.5	3.5	6.5	5.0	1.0	3.0	0.5	0.0	0.0	0.5	0.0	0.0
21	9.5	3.0	6.0	4.5	3.0	3.5	0.5	0.0	0.0	0.5	0.0	0.0
22	9.0	3.0	5.5	4.0	2.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0
23	9.5	4.0	6.0	3.0	0.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0
24	8.0	2.0	5.0	3.0	0.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0
25	8.0	2.0	4.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	8.5	2.5	5.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	8.5	3.0	5.5	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
28	8.5	3.0	5.5	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
29	8.0	3.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	7.5	5.5	6.0	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
31	7.5	4.0	5.5	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
MONTH	14.5	2.0	6.7	6.5	0.0	2.4	0.5	0.0	0.0	3.0	0.0	0.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	1.5	0.0	0.5	7.5	1.0	3.5	---	---	---
2	0.0	0.0	0.0	1.5	0.0	0.0	8.0	1.5	4.0	---	---	---
3	0.0	0.0	0.0	1.5	0.0	0.0	8.0	1.5	4.5	---	---	---
4	0.0	0.0	0.0	2.0	0.0	0.5	7.0	2.0	4.0	---	---	---
5	0.0	0.0	0.0	4.5	0.0	2.0	7.0	2.0	4.0	---	---	---
6	0.0	0.0	0.0	2.5	0.0	1.0	7.0	2.0	4.0	---	---	---
7	0.0	0.0	0.0	0.0	0.0	0.0	7.5	2.0	4.5	---	---	---
8	0.0	0.0	0.0	0.5	0.0	0.0	7.0	2.0	4.5	---	---	---
9	0.0	0.0	0.0	0.5	0.0	0.0	5.5	2.5	4.0	---	---	---
10	0.0	0.0	0.0	0.5	0.0	0.0	8.0	3.0	5.0	---	---	---
11	0.0	0.0	0.0	2.5	0.0	0.5	8.5	3.5	5.5	---	---	---
12	0.5	0.0	0.0	4.0	0.5	2.0	8.5	3.0	5.5	---	---	---
13	0.0	0.0	0.0	2.5	0.0	1.0	8.5	2.5	5.5	---	---	---
14	0.0	0.0	0.0	2.0	0.0	0.5	9.5	3.5	6.0	---	---	---
15	0.5	0.0	0.0	0.0	0.0	0.0	5.5	2.5	3.5	---	---	---
16	0.5	0.0	0.0	0.0	0.0	0.0	4.0	1.0	2.0	---	---	---
17	0.5	0.0	0.0	0.5	0.0	0.0	3.0	0.0	1.0	---	---	---
18	0.5	0.0	0.0	1.5	0.0	0.0	2.0	0.0	1.0	---	---	---
19	0.5	0.0	0.0	2.0	0.0	0.5	4.5	0.5	2.0	---	---	---
20	0.5	0.0	0.0	3.5	0.0	1.0	6.0	0.5	3.0	---	---	---
21	1.0	0.0	0.0	5.5	0.0	2.0	8.0	1.0	4.0	---	---	---
22	1.5	0.0	0.5	5.5	0.0	2.5	---	---	---	---	---	---
23	2.0	0.5	1.0	2.5	0.0	1.0	---	---	---	---	---	---
24	3.0	0.0	1.0	4.5	0.5	2.0	---	---	---	---	---	---
25	3.0	0.0	1.0	4.0	0.0	2.0	---	---	---	---	---	---
26	3.0	0.0	1.0	6.5	0.5	3.0	---	---	---	---	---	---
27	4.0	0.0	1.5	6.5	0.0	3.0	---	---	---	---	---	---
28	3.5	0.0	1.0	7.0	0.5	3.0	---	---	---	---	---	---
29	---	---	---	7.5	1.0	3.5	---	---	---	---	---	---
30	---	---	---	7.5	1.0	3.5	---	---	---	---	---	---
31	---	---	---	7.5	1.0	3.5	---	---	---	---	---	---
MONTH	4.0	0.0	0.2	7.5	0.0	1.2	---	---	---	---	---	---

Remark Codes Used in This report:
  < -- Less than

PYRAMID AND WINNEMUCCA LAKES BASIN

10336779 COLD CREEK AT MOUTH, CA

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 38°54'44", long 119°58'06", in SE $^{1}/_{4}$ SE$^{1}/_{4}$ sec.03, T.12 N., R.18 E., El Dorado County, Hydrologic Unit 16050101, on left bank, 600 ft upstream of mouth, about 0.5 mi downstream from Pioneer Trail Road, and 1.7 mi south of South Lake Tahoe, CA.

DRAINAGE AREA.--12.8 mi^2.

PERIOD OF RECORD.--September 1997 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: September 1997 to current year.

INSTRUMENTATION.--Water temperature recorder since September 1997, two times per hour.

REMARKS.--In September 1997, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor streamflows and water temperature within the Upper Truckee River-Trout Creek watershed. Records represent water temperature at probe within 0.5°C. Interruptions in record due to loss of communication between stream and sensor. Water temperature data for September 1997 were not published but are available from the U.S. Geological Survey, Carson City, NV.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 18.5°C, July 26, August 10, 2001; minimum, freezing point on many days.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 17.5°C, July 14; minimum, freezing point, many days November to April.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.0	7.0	9.5	6.5	2.5	4.5	1.0	0.0	0.5	3.5	2.0	2.5
2	13.0	7.0	9.5	6.5	3.0	4.5	0.5	0.0	0.5	4.0	2.5	3.0
3	12.5	7.0	9.5	6.5	3.0	4.5	0.0	0.0	0.0	3.5	1.0	2.5
4	12.5	7.0	9.0	7.0	3.0	4.5	0.0	0.0	0.0	1.5	0.0	1.0
5	12.0	6.5	9.0	7.0	3.0	4.5	0.0	0.0	0.0	3.0	0.5	2.0
6	11.0	6.5	8.5	6.5	3.0	4.5	1.0	0.0	0.5	4.0	2.0	3.0
7	11.0	6.0	8.5	5.5	2.0	4.0	1.5	0.5	1.0	4.0	2.0	2.5
8	10.5	6.5	8.0	5.5	2.0	3.5	2.0	0.0	1.0	4.5	2.0	2.5
9	9.0	4.5	6.5	4.5	1.5	3.0	2.0	1.0	1.5	3.0	1.0	2.0
10	8.5	3.5	6.0	5.0	2.0	3.5	1.5	0.5	1.0	3.0	1.0	1.5
11	9.5	5.5	7.0	6.5	4.0	5.0	1.5	0.5	1.0	2.5	0.5	1.5
12	10.0	5.0	7.0	5.0	3.0	4.0	1.5	0.0	0.5	3.5	1.0	2.0
13	9.0	3.5	6.0	5.5	3.0	4.0	2.5	0.5	1.5	2.0	0.0	1.0
14	9.0	4.5	6.5	6.0	3.0	4.0	1.5	0.0	0.5	2.0	0.0	0.5
15	9.0	4.5	7.0	5.5	2.5	4.0	0.0	0.0	0.0	1.0	0.0	0.5
16	9.5	5.0	7.0	6.0	3.5	4.5	1.0	0.0	0.5	0.5	0.0	0.0
17	8.5	4.5	6.5	5.0	3.0	4.0	1.5	0.5	1.0	0.0	0.0	0.0
18	9.0	4.5	6.5	4.5	2.0	3.0	1.0	0.0	0.5	0.0	0.0	0.0
19	8.5	4.0	6.5	4.5	2.0	3.0	2.0	0.5	1.0	0.0	0.0	0.0
20	9.0	5.0	7.0	5.5	2.5	4.0	1.5	0.0	1.0	0.0	0.0	0.0
21	9.0	4.5	6.5	5.0	3.5	4.5	1.5	0.5	1.0	0.0	0.0	0.0
22	8.0	4.0	6.0	5.0	3.0	4.5	1.5	0.5	1.0	0.5	0.0	0.0
23	9.0	4.5	6.5	3.5	1.5	2.5	2.0	0.5	1.5	0.0	0.0	0.0
24	7.5	3.0	5.5	3.5	0.5	2.5	0.5	0.0	0.0	0.0	0.0	0.0
25	8.0	3.5	5.5	1.5	0.0	0.5	1.5	0.0	0.5	0.5	0.0	0.5
26	8.0	4.0	5.5	0.5	0.0	0.5	3.0	1.5	2.5	1.5	0.5	1.0
27	8.5	4.5	6.0	0.5	0.0	0.5	3.5	2.0	2.5	1.5	0.0	1.0
28	8.5	4.5	6.5	1.5	0.0	1.0	3.0	2.0	2.5	0.0	0.0	0.0
29	8.0	4.5	6.0	1.5	0.0	0.5	3.5	2.0	3.0	0.0	0.0	0.0
30	8.0	6.0	7.0	2.0	0.5	1.0	3.5	2.0	3.0	0.0	0.0	0.0
31	7.0	4.5	5.5	---	---	---	4.0	2.0	2.5	0.0	0.0	0.0
MONTH	13.0	3.0	7.0	7.0	0.0	3.3	4.0	0.0	1.1	4.5	0.0	1.0

10336779 COLD CREEK AT MOUTH, CA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	4.0	0.0	1.5	9.5	2.0	5.5	7.5	1.0	4.0
2	0.0	0.0	0.0	4.5	0.0	1.5	10.0	2.5	5.5	10.5	2.0	6.0
3	0.0	0.0	0.0	5.0	0.0	1.5	10.0	2.5	6.0	11.0	3.5	7.0
4	0.0	0.0	0.0	6.0	0.0	2.5	10.0	3.0	5.5	10.0	4.0	7.0
5	0.0	0.0	0.0	7.0	1.0	3.5	8.0	2.5	5.0	11.0	3.5	7.0
6	0.5	0.0	0.0	4.5	0.0	2.5	9.0	2.5	5.5	11.5	3.5	7.5
7	2.0	0.0	0.5	2.5	0.0	1.0	9.5	2.5	5.5	11.5	4.0	7.5
8	2.5	0.0	1.0	2.0	0.0	0.5	8.0	3.0	5.5	10.0	2.5	6.0
9	2.0	0.0	0.5	3.0	0.0	1.0	6.0	3.5	4.5	11.0	3.0	6.5
10	2.5	0.0	1.0	3.5	0.5	1.5	10.0	3.0	5.5	9.0	3.5	6.0
11	3.5	0.5	1.5	6.0	1.0	3.0	10.0	3.5	6.0	11.0	3.5	6.5
12	4.0	1.0	2.0	7.0	2.5	4.0	10.0	3.0	6.0	10.5	3.5	7.0
13	3.5	1.0	2.0	4.5	1.0	2.0	10.0	3.0	6.0	11.5	4.0	7.5
14	4.5	1.5	2.5	2.0	0.0	1.0	11.0	4.0	6.5	12.5	5.0	8.5
15	4.0	1.0	2.5	1.5	0.0	0.5	5.5	2.5	4.0	12.5	5.5	8.5
16	5.0	1.5	2.5	1.5	0.0	0.5	4.5	1.0	2.5	12.5	5.0	8.5
17	3.0	1.0	1.5	3.5	0.0	1.0	4.5	0.0	2.0	13.5	6.0	9.5
18	4.5	1.0	2.0	3.0	0.0	1.0	2.5	0.5	1.5	13.5	6.5	10.0
19	4.0	1.5	2.5	6.5	0.0	2.5	5.5	0.5	2.5	12.0	6.0	8.5
20	5.5	2.0	3.5	7.5	1.0	3.5	7.5	1.0	3.5	8.0	4.0	6.0
21	5.5	1.0	3.0	8.5	1.5	4.0	9.0	1.5	4.5	8.5	2.5	5.0
22	6.0	1.0	3.0	8.5	1.5	4.5	10.0	2.0	5.5	10.0	2.0	5.5
23	5.5	2.0	3.0	4.5	1.0	2.5	10.0	2.5	6.0	11.5	3.5	7.0
24	5.5	0.5	2.5	7.5	1.5	3.5	10.0	3.5	6.5	12.0	4.0	8.0
25	6.0	0.5	2.5	7.5	0.5	3.5	9.5	4.0	6.5	12.0	6.0	9.0
26	6.0	0.5	2.5	9.0	1.5	4.5	7.0	4.0	5.5	13.0	5.5	9.0
27	6.5	1.0	3.0	9.5	1.5	4.5	8.0	3.0	5.0	12.0	6.5	9.0
28	6.0	0.5	2.5	10.0	2.0	5.0	7.0	1.5	4.0	13.5	6.0	10.0
29	---	---	---	10.5	2.0	5.5	4.0	0.5	2.5	15.0	7.5	11.0
30	---	---	---	9.5	2.0	5.0	8.5	1.5	4.0	15.5	8.5	12.0
31	---	---	---	9.5	2.0	5.0	---	---	---	15.0	8.5	12.0
MONTH	6.5	0.0	1.7	10.5	0.0	2.7	11.0	0.0	4.8	15.5	1.0	7.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.0	8.5	11.0	15.5	9.5	12.5	16.5	10.5	13.0	---	---	---
2	11.5	5.0	8.5	16.0	10.5	13.0	16.5	10.5	13.0	---	---	---
3	12.5	6.5	9.5	15.5	10.0	12.5	16.0	10.0	12.5	---	---	---
4	13.5	7.5	10.5	15.0	9.0	12.0	15.5	9.5	12.0	---	---	---
5	14.5	8.5	11.5	15.0	9.5	12.0	14.5	9.0	11.5	---	---	---
6	14.0	8.0	11.0	14.5	9.0	12.0	14.0	8.0	10.5	---	---	---
7	13.0	8.0	11.0	16.0	10.5	13.0	13.5	7.0	10.0	---	---	---
8	12.5	7.5	10.0	14.5	9.0	12.0	14.0	7.0	10.0	---	---	---
9	10.0	5.0	7.5	16.0	9.5	12.5	---	---	---	---	---	---
10	11.0	5.0	8.0	17.0	11.0	13.5	---	---	---	---	---	---
11	12.5	6.0	9.5	17.0	11.5	14.0	---	---	---	---	---	---
12	13.0	7.5	10.5	15.0	12.5	13.5	---	---	---	12.5	6.5	9.0
13	13.5	8.5	11.0	17.0	11.0	13.5	---	---	---	13.0	6.5	9.0
14	13.5	7.5	10.5	17.5	12.0	14.5	---	---	---	13.0	6.5	9.5
15	13.0	7.0	10.5	17.0	11.5	14.0	---	---	---	13.5	8.0	10.0
16	13.0	7.0	10.5	16.5	11.0	13.5	---	---	---	11.5	6.5	8.5
17	14.0	8.0	11.0	15.5	11.5	13.0	---	---	---	11.5	6.0	8.0
18	15.0	9.5	12.0	11.5	9.5	10.5	---	---	---	12.0	6.0	8.5
19	14.0	8.5	11.5	14.5	8.5	11.5	---	---	---	12.0	6.0	8.0
20	13.5	9.0	11.5	16.5	10.0	13.0	---	---	---	12.0	6.0	8.5
21	13.0	9.0	11.0	15.0	11.0	13.0	---	---	---	12.5	6.5	9.0
22	13.5	8.0	10.5	15.5	10.0	12.5	---	---	---	12.5	6.5	9.0
23	14.0	9.0	11.5	15.0	9.0	11.5	---	---	---	12.5	6.5	9.0
24	13.5	8.5	11.5	16.0	9.5	12.5	---	---	---	12.0	6.5	9.0
25	15.0	9.5	12.5	15.0	9.0	12.0	---	---	---	12.0	6.0	8.5
26	15.0	10.5	13.0	14.5	8.5	11.0	---	---	---	11.5	6.0	8.0
27	14.5	9.0	12.0	15.5	9.5	12.0	---	---	---	10.0	6.5	8.0
28	14.5	9.0	11.5	16.0	10.0	13.0	---	---	---	10.5	6.0	7.5
29	14.5	9.0	12.0	16.5	10.0	13.0	---	---	---	10.0	4.5	7.0
30	15.0	8.5	12.0	17.0	10.5	13.5	---	---	---	9.0	4.0	6.0
31	---	---	---	16.5	10.5	13.5	---	---	---	---	---	---
MONTH	15.0	5.0	10.8	17.5	8.5	12.7	---	---	---	---	---	---

PYRAMID AND WINNEMUCCA LAKES BASIN

10336780 TROUT CREEK NEAR TAHOE VALLEY, CA

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 38°55'12", long 119°58'17", in NW $^1/_4$ SE $^1/_4$ sec.3, T.12 N., R.18 E., El Dorado County, Hydrologic Unit 16050101, on left bank, 5 ft upstream from Martin Avenue Bridge, 500 ft upstream from Heavenly Valley Creek, and 1.8 mi east of Tahoe Valley.

DRAINAGE AREA.--36.7 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 6,241.57 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. Minor diversions for local water supply upstream from station. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 535 ft^3/s, February 1, 1963, gage height, 11.14 ft, and January 2, 1997, gage height, 9.33 ft, from rating curve extended above 250 ft^3/s on basis of computation of peak flow (weir formula); minimum daily, 2.5 ft^3/s, September 7, 1988.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 100 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
April 15	0045	*69	*5.92				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	10	13	14	e13	16	27	32	62	23	13	10
2	7.9	10	e12	15	e13	e15	30	31	63	22	13	9.9
3	7.8	10	e12	16	e13	e15	35	33	59	22	13	9.8
4	7.8	10	e12	16	e13	16	41	36	57	22	12	9.8
5	7.7	10	e12	19	e13	15	44	38	58	21	12	9.9
6	7.9	10	e12	20	e13	e15	42	40	58	20	12	10
7	7.9	10	e12	19	e13	e15	40	43	57	20	12	10
8	8.0	10	e12	16	e13	e15	41	42	57	19	12	10
9	8.0	10	e12	14	e13	e15	43	41	54	19	12	10
10	8.1	10	e12	13	e13	15	42	41	52	18	12	9.9
11	8.1	11	e12	14	e13	15	44	39	49	18	11	9.7
12	8.1	12	e12	14	e13	16	46	41	47	18	11	9.6
13	8.1	12	12	14	13	16	45	43	47	19	11	9.5
14	8.1	12	e12	e13	13	14	51	46	46	18	11	9.4
15	8.1	11	e12	e13	13	e14	56	50	44	17	11	9.2
16	8.1	11	e12	e13	13	e17	44	50	43	16	11	9.3
17	8.1	11	e12	e13	13	e15	42	53	41	16	11	9.4
18	8.1	11	e12	e13	13	16	39	57	41	19	10	9.5
19	8.1	10	e12	e13	14	17	35	57	40	21	11	9.5
20	7.9	11	13	e13	18	15	33	57	40	17	10	9.3
21	7.9	12	13	e13	16	15	32	52	39	17	11	9.3
22	8.0	26	13	e13	16	17	33	48	38	16	11	9.2
23	8.1	13	12	e13	17	17	34	46	36	16	11	9.1
24	8.0	20	e12	e13	16	15	35	46	34	15	11	9.0
25	8.1	14	e12	e13	16	15	37	47	32	15	10	8.9
26	8.1	17	12	e13	16	15	40	48	30	14	10	9.0
27	8.1	16	12	e13	16	16	37	48	28	14	10	9.0
28	8.1	13	12	e13	16	18	34	47	26	14	10	9.1
29	8.0	e12	13	e13	---	20	36	50	25	14	10	9.4
30	9.4	e12	13	e13	---	23	34	56	24	13	10	9.5
31	12	---	e13	e13	---	25	---	60	---	13	10	---
TOTAL	253.4	367	379	438	395	503	1172	1418	1327	546	345	285.2
MEAN	8.174	12.23	12.23	14.13	14.11	16.23	39.07	45.74	44.23	17.61	11.13	9.507
MAX	12	26	13	20	18	25	56	60	63	23	13	10
MIN	7.7	10	12	13	13	14	27	31	24	13	10	8.9
AC-FT	503	728	752	869	783	998	2320	2810	2630	1080	684	566

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2002, BY WATER YEAR (WY)

MEAN	17.21	19.54	20.98	24.39	24.92	29.87	43.48	77.73	91.53	49.16	24.00	17.26
MAX	37.6	61.1	64.0	115	68.7	85.0	81.9	184	286	188	88.7	49.6
(WY)	1983	1984	1984	1997	1986	1986	1982	1969	1983	1995	1983	1983
MIN	5.19	7.43	8.18	8.00	8.02	11.0	15.7	14.2	10.9	5.21	3.43	3.71
(WY)	1989	1978	1991	1991	1991	1977	1988	1988	1988	1988	1977	1977

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1961 - 2002	
ANNUAL TOTAL	5018.7		7428.6			
ANNUAL MEAN	13.75		20.35		36.69	
HIGHEST ANNUAL MEAN					85.3	1983
LOWEST ANNUAL MEAN					10.2	1977
HIGHEST DAILY MEAN	39	May 12	63	Jun 2	501	Jan 2 1997
LOWEST DAILY MEAN	5.9	Aug 29	7.7	Oct 1	2.5	Sep 7 1988
ANNUAL SEVEN-DAY MINIMUM	6.7	Aug 27	7.8	Oct 1	3.0	Sep 9 1977
MAXIMUM PEAK FLOW			69	Apr 15	535	Feb 1 1963
MAXIMUM PEAK STAGE			5.92	Apr 15	11.14	Feb 1 1963
ANNUAL RUNOFF (AC-FT)	9950		14730		26580	
10 PERCENT EXCEEDS	24		44		82	
50 PERCENT EXCEEDS	12		13		22	
90 PERCENT EXCEEDS	7.6		9.2		9.0	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974, 1978, 1980-85, 1988, 1997 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1981 to September 1983.

WATER TEMPERATURE: September 1997 to current year.

SUSPENDED-SEDIMENT DISCHARGE: October 1971 to June 1974, October 1977 to June 1978, March 1980 to September 1985, October 1987 to September 1988.

INSTRUMENTATION.--Water temperature recorder since September 1997 to current year, two times per hour.

REMARKS.--In October 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Water temperature records represent water temperature at probe within 0.5°C. Interruptions in record due to vandalism of sensor. Water temperature data for September 1997 were not published but are available from the U.S. Geological Survey, Carson City, NV.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 160 microsiemens, August 24, 1981; minimum recorded 14 microsiemens, May 28, 1982.

WATER TEMPERATURE: Maximum, 21.5°C, August 10, 12, 13, 17, 29, 2001; minimum, freezing point on many days during winter months.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 162 tons, February 16, 1982; minimum daily, 0 ton, October 15, 16, 1973

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum recorded, 20.5°C, July 14, August 14; minimum, freezing point, many days January to March.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
JUN									
28...	1620	27	7.4	34	23.5	16.5	.38	<.003	.39

Date	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
JUN								
28...	.16	.002	.031	.016	.009	310	8	.58

10336780 TROUT CREEK NEAR TAHOE VALLEY, CA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15.0	9.0	11.5	7.0	3.5	5.5	1.0	0.5	0.5	2.0	1.0	1.5
2	15.0	9.5	11.5	6.5	3.5	5.0	1.0	0.5	0.5	2.0	1.0	1.5
3	15.0	9.0	11.5	7.0	3.5	5.0	0.5	0.5	0.5	2.0	0.5	1.0
4	14.5	9.0	11.5	7.0	3.5	5.0	0.5	0.5	0.5	1.0	0.5	0.5
5	14.5	8.5	11.0	7.0	3.5	5.0	0.5	0.5	0.5	1.5	0.5	1.0
6	13.5	8.5	11.0	6.0	3.5	4.5	0.5	0.5	0.5	2.5	1.5	2.0
7	13.0	7.5	10.0	6.0	3.0	4.5	0.5	0.5	0.5	3.5	1.0	2.0
8	12.0	8.0	10.0	6.0	2.0	3.5	0.5	0.5	0.5	3.5	1.5	2.5
9	12.0	6.5	8.5	5.0	2.0	3.0	0.5	0.5	0.5	3.0	0.5	1.5
10	11.0	5.0	7.5	5.0	2.0	3.5	0.5	0.5	0.5	3.0	0.5	1.5
11	10.5	7.0	8.5	6.0	4.0	5.0	0.5	0.5	0.5	2.0	0.5	1.0
12	12.0	6.0	8.5	5.0	3.5	4.0	0.5	0.5	0.5	2.5	0.5	1.0
13	11.5	5.5	8.0	5.0	3.0	4.0	1.0	0.5	0.5	1.5	0.5	0.5
14	10.0	6.0	7.5	6.0	3.5	4.5	0.5	0.5	0.5	1.0	0.5	0.5
15	10.0	6.0	8.0	5.0	2.5	4.0	0.5	0.5	0.5	1.0	0.5	0.5
16	10.5	6.0	8.0	6.0	3.5	4.5	0.5	0.5	0.5	0.5	0.5	0.5
17	10.0	6.0	7.5	5.0	3.0	4.0	0.5	0.5	0.5	0.5	0.5	0.5
18	11.0	6.0	8.0	4.5	2.0	3.5	0.5	0.5	0.5	0.5	0.5	0.5
19	9.5	5.5	7.5	4.0	1.5	3.0	0.5	0.5	0.5	0.5	0.5	0.5
20	10.5	6.0	8.0	4.5	2.5	3.5	0.5	0.5	0.5	0.5	0.5	0.5
21	10.5	5.5	7.5	5.0	3.5	4.0	1.0	0.5	0.5	0.5	0.5	0.5
22	9.5	5.0	7.0	5.0	4.0	4.5	0.5	0.5	0.5	0.5	0.5	0.5
23	10.5	6.0	7.5	4.0	2.0	3.0	1.0	0.5	0.5	0.5	0.0	0.5
24	9.5	4.5	6.5	3.0	2.0	3.0	0.5	0.5	0.5	0.5	0.0	0.5
25	9.0	4.5	6.5	2.0	1.0	1.5	0.5	0.5	0.5	0.5	0.0	0.5
26	9.5	4.5	6.5	1.5	1.0	1.0	1.5	0.5	1.0	0.5	0.5	0.5
27	9.0	5.0	7.0	1.0	1.0	1.0	2.0	1.0	1.5	0.5	0.0	0.5
28	8.5	5.0	7.0	1.0	1.0	1.0	1.5	1.0	1.0	0.5	0.5	0.5
29	8.0	5.5	6.5	1.0	0.5	1.0	2.0	1.0	1.5	0.5	0.5	0.5
30	7.5	6.5	7.0	1.0	1.0	1.0	2.0	1.0	1.5	0.5	0.0	0.5
31	8.0	5.0	6.5	---	---	---	2.0	1.0	1.5	0.5	0.0	0.0
MONTH	15.0	4.5	8.4	7.0	0.5	3.5	2.0	0.5	0.7	3.5	0.0	0.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.5	0.0	0.0	2.5	0.5	1.0	---	---	---	---	---	---
2	0.5	0.0	0.0	2.5	0.0	1.0	---	---	---	---	---	---
3	0.5	0.0	0.0	2.5	0.0	1.0	---	---	---	---	---	---
4	0.5	0.0	0.0	3.0	0.5	1.5	---	---	---	---	---	---
5	0.5	0.0	0.0	6.0	0.5	2.5	---	---	---	---	---	---
6	0.5	0.0	0.0	---	---	---	---	---	---	---	---	---
7	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
8	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
9	0.5	0.0	0.0	---	---	---	---	---	---	---	---	---
10	0.5	0.0	0.0	---	---	---	---	---	---	---	---	---
11	0.5	0.0	0.0	---	---	---	---	---	---	---	---	---
12	0.5	0.0	0.0	---	---	---	---	---	---	---	---	---
13	0.5	0.0	0.0	---	---	---	---	---	---	---	---	---
14	2.0	0.5	1.0	---	---	---	---	---	---	---	---	---
15	1.5	0.0	1.0	---	---	---	---	---	---	11.5	5.0	8.0
16	2.5	0.0	1.0	---	---	---	---	---	---	12.0	5.0	8.0
17	1.0	0.0	0.5	---	---	---	---	---	---	13.0	5.5	9.0
18	2.0	0.0	0.5	---	---	---	---	---	---	12.5	6.0	9.0
19	2.0	0.5	1.0	---	---	---	---	---	---	10.0	5.5	7.5
20	2.5	0.5	1.5	---	---	---	---	---	---	8.0	4.0	6.0
21	3.0	0.0	1.0	---	---	---	---	---	---	8.0	2.5	5.0
22	3.5	0.0	1.5	---	---	---	---	---	---	9.5	2.5	5.5
23	3.0	1.0	2.0	---	---	---	---	---	---	11.0	3.5	7.0
24	3.5	0.5	1.5	---	---	---	---	---	---	11.5	4.0	7.5
25	3.5	0.0	1.5	---	---	---	---	---	---	12.0	6.0	8.5
26	3.5	0.0	1.5	---	---	---	---	---	---	12.5	5.5	8.5
27	4.5	0.5	2.0	---	---	---	---	---	---	12.0	6.5	9.0
28	4.0	0.5	2.0	---	---	---	---	---	---	13.0	6.0	9.5
29	---	---	---	---	---	---	---	---	---	14.5	7.5	10.5
30	---	---	---	---	---	---	---	---	---	14.5	8.0	11.0
31	---	---	---	---	---	---	---	---	---	14.5	8.5	11.0
MONTH	4.5	0.0	0.7	---	---	---	---	---	---	---	---	---

PYRAMID AND WINNEMUCCA LAKES BASIN

10336780 TROUT CREEK NEAR TAHOE VALLEY, CA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.0	8.5	10.5	18.0	9.5	13.5	19.0	11.5	15.0	18.5	10.0	13.5
2	12.0	6.0	8.5	18.5	10.5	14.0	19.0	11.5	15.0	18.0	10.0	13.5
3	13.0	6.5	9.5	18.0	10.0	13.5	19.0	11.0	14.5	17.5	10.0	13.0
4	14.0	7.5	10.5	17.5	9.0	13.0	18.0	10.5	14.0	15.5	10.5	12.5
5	15.0	8.5	11.5	18.0	9.5	13.5	17.5	10.5	13.5	16.5	9.5	12.5
6	14.5	8.5	11.0	17.5	9.5	13.5	17.0	9.0	12.5	16.5	10.0	12.5
7	14.0	8.5	11.0	19.0	10.5	14.5	16.5	8.5	12.0	14.5	7.0	10.0
8	13.5	8.0	10.0	18.0	9.5	13.5	17.0	8.5	12.0	14.0	6.5	9.5
9	11.0	5.5	8.0	19.0	9.5	14.0	17.5	9.0	13.0	14.5	6.0	9.5
10	12.5	5.0	8.5	20.0	10.5	15.0	18.0	10.0	13.5	15.0	6.5	10.0
11	13.5	6.0	9.5	19.0	11.5	15.0	16.5	10.5	13.5	15.5	7.0	10.5
12	14.0	7.5	10.5	16.0	13.0	14.5	19.0	10.5	14.0	15.5	7.5	11.0
13	14.0	8.5	11.0	18.5	11.5	14.5	19.5	11.5	15.0	16.0	7.5	11.0
14	15.0	8.0	11.0	20.5	12.5	16.0	20.5	12.0	15.5	15.0	8.0	11.0
15	14.5	7.0	10.5	19.5	12.0	15.5	20.0	12.0	15.5	15.0	8.5	11.0
16	14.5	7.0	10.5	19.5	11.5	15.0	20.0	11.5	15.0	15.0	7.5	10.5
17	16.0	8.0	11.5	16.5	12.0	14.5	18.5	10.5	14.5	13.5	7.0	9.5
18	17.0	9.5	12.5	13.5	10.0	11.5	19.0	10.0	14.0	14.5	6.5	10.0
19	16.0	9.0	12.0	17.5	9.0	12.5	18.0	9.5	13.0	14.5	6.5	10.0
20	15.5	9.0	12.0	18.0	10.5	14.0	16.5	9.0	12.5	14.5	6.5	10.0
21	14.5	9.0	11.5	16.5	11.5	14.0	16.0	7.5	11.5	15.0	7.0	10.5
22	15.5	8.0	11.5	19.0	10.5	14.5	16.5	8.5	12.0	15.0	7.5	10.5
23	16.5	8.5	12.0	18.0	9.5	13.5	16.5	8.0	11.5	15.0	7.5	10.5
24	16.0	8.0	12.0	18.5	9.5	13.5	16.5	7.5	11.5	14.5	7.0	10.5
25	17.5	9.5	13.0	18.0	9.5	13.5	16.5	8.0	11.5	14.5	7.0	10.0
26	16.5	10.5	13.5	17.5	9.0	13.0	16.0	7.5	11.5	14.0	6.5	9.5
27	17.5	9.0	13.0	18.5	10.0	14.0	17.0	8.5	12.0	11.5	7.0	8.5
28	17.0	9.0	12.5	19.0	11.0	14.5	17.0	9.0	12.5	13.0	6.5	8.5
29	17.5	9.0	13.0	18.5	11.0	14.5	16.5	9.0	12.5	12.0	5.5	8.0
30	17.5	8.5	13.0	19.5	11.5	15.5	17.5	10.0	13.0	11.0	5.0	7.5
31	---	---	---	19.5	12.0	15.5	18.0	10.0	13.0	---	---	---
MONTH	17.5	5.0	11.2	20.5	9.0	14.1	20.5	7.5	13.2	18.5	5.0	10.5

Remark Codes Used in This report:
<-- Less than

PYRAMID AND WINNEMUCCA LAKES BASIN

10336790 TROUT CREEK AT SOUTH LAKE TAHOE, CA

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 38°55'56", long 119°58'40", in SE 1/4 NW 1/4 sec.3, T.12 N., R.18 E., El Dorado County, Hydrologic Unit 16050101, on right bank, downstream side of U.S. Highway 50 bridge, 1.2 mi upstream from Lake Tahoe, and 1.4 mi southwest of South Lake Tahoe Post Office.

DRAINAGE AREA.--40.4 mi^2.

PERIOD OF RECORD.--Water years 1972-74, 1989 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Instantaneous: October 1971 to June 1974, October 1988 to September 1992. Continuous: September 1997 to current year.

SUSPENDED-SEDIMENT DISCHARGE: October 1971 to June 1974, October 1988 to September 1992.

INSTRUMENTATION.--Water temperature recorder since September 1997, two times per hour.

REMARKS.--In October 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Water temperature records represent water temperature at probe within 0.5°C. Water temperature data for September 1997 were not published but are available from the U.S. Geological Survey in Carson City, NV.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 22.0°C, July 8, 1990, August 2, 2001; minimum, freezing point on many days during winter months.

SEDIMENT CONCENTRATION: Maximum daily mean, 300 mg/L, January 15, 1974; minimum daily mean, 0 mg/L, at times in most years.

SEDIMENT LOAD: Maximum daily, 52 tons, January 15, 1974; minimum daily, 0 ton, at times in most years.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 21.0°C, July 14; minimum, freezing point, many days November to April.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT								
02...	1030	7.8	65	18.5	10.8	--	<.003	.17
NOV								
07...	1210	10	62	12.0	4.6	--	.008	.11
JAN								
09...	0850	15	60	-2.5	.8	2.0	.005	.23
SEP								
11...	1220	10	54	20.5	11.0	--	.003	.09

Date	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT							
02...	.003	.023	--	.009	342	3	.06
NOV							
07...	.003	.015	--	.008	263	5	.14
JAN							
09...	.006	.025	.017	.007	431	5	.20
SEP							
11...	.003	.019	.015	.009	350	4	.11

10336790 TROUT CREEK AT SOUTH LAKE TAHOE, CA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	12.5	10.0	11.5	6.5	3.5	5.0	0.0	0.0	0.0	1.0	0.5	1.0
2	13.0	10.0	12.0	6.0	3.0	4.5	0.0	0.0	0.0	1.5	0.5	1.0
3	13.0	10.0	11.5	6.0	3.0	4.5	0.0	0.0	0.0	2.0	0.0	1.0
4	12.5	10.0	11.5	6.0	3.0	5.0	0.0	0.0	0.0	1.0	0.0	0.5
5	12.0	9.5	11.0	6.0	3.5	5.0	0.0	0.0	0.0	1.0	0.0	0.5
6	12.0	10.0	11.0	6.0	3.0	4.5	0.0	0.0	0.0	2.5	1.0	1.5
7	11.0	8.5	10.0	5.5	3.0	4.0	0.5	0.0	0.0	3.0	0.5	1.5
8	11.0	9.0	9.5	4.5	2.0	3.5	0.5	0.0	0.0	3.0	1.0	2.0
9	9.0	7.0	8.5	4.0	1.5	3.0	0.0	0.0	0.0	2.5	0.5	1.5
10	8.5	6.0	7.5	4.5	1.5	3.0	0.0	0.0	0.0	2.0	0.5	1.5
11	8.5	7.0	8.0	6.0	3.5	5.0	0.0	0.0	0.0	1.5	0.0	1.0
12	9.0	6.5	8.0	5.5	3.5	4.0	0.0	0.0	0.0	2.5	0.0	1.0
13	8.5	6.5	8.0	5.0	3.0	3.5	0.0	0.0	0.0	1.0	0.0	0.5
14	8.5	6.5	7.5	5.5	3.5	4.5	0.0	0.0	0.0	1.0	0.0	0.5
15	8.0	6.5	7.5	5.0	3.0	4.0	0.5	0.0	0.0	1.0	0.0	0.5
16	8.5	6.5	8.0	5.5	3.0	4.5	0.5	0.0	0.0	1.0	0.0	0.5
17	8.5	6.5	7.5	5.0	3.5	4.5	0.0	0.0	0.0	0.5	0.0	0.5
18	8.5	6.0	7.5	4.0	2.0	3.5	0.5	0.0	0.0	1.0	0.0	0.5
19	8.0	6.0	7.5	3.5	1.5	2.5	0.5	0.0	0.0	0.5	0.0	0.5
20	8.5	6.5	8.0	4.0	2.5	3.0	0.5	0.0	0.0	0.5	0.0	0.0
21	8.5	7.0	8.0	4.5	3.0	4.0	0.5	0.5	0.5	1.0	0.0	0.5
22	8.0	6.5	7.0	5.0	3.5	4.5	0.5	0.5	0.5	1.0	0.0	0.0
23	8.5	6.5	7.5	3.5	1.5	2.5	0.5	0.5	0.5	0.5	0.0	0.0
24	7.5	6.0	6.5	3.0	1.0	2.5	0.5	0.5	0.5	0.5	0.0	0.0
25	7.0	5.5	6.5	1.0	0.0	0.5	0.5	0.5	0.5	0.5	0.0	0.5
26	7.5	5.5	6.5	0.5	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0
27	7.5	6.0	6.5	1.0	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0
28	7.5	5.5	6.5	0.5	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0
29	7.0	6.0	6.5	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0
30	7.5	6.5	6.5	0.5	0.0	0.0	0.5	0.5	0.5	0.5	0.0	0.0
31	7.5	4.5	6.0	---	---	---	1.0	0.5	0.5	0.5	0.0	0.0
MONTH	13.0	4.5	8.2	6.5	0.0	3.2	1.0	0.0	0.2	3.0	0.0	0.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.5	0.0	0.0	3.0	0.0	1.5	9.0	1.5	5.0	7.0	2.0	4.5
2	0.5	0.0	0.0	3.0	0.0	1.0	9.0	2.0	5.5	10.5	2.5	6.0
3	0.0	0.0	0.0	3.5	0.0	1.5	9.5	2.0	5.5	11.5	4.0	7.5
4	0.0	0.0	0.0	4.5	0.0	2.0	8.0	3.0	5.5	11.0	4.5	8.0
5	0.0	0.0	0.0	5.5	0.0	3.0	7.5	2.5	5.0	11.5	4.5	7.5
6	0.5	0.0	0.0	4.0	0.0	2.5	8.5	2.5	5.5	11.5	4.5	8.0
7	0.0	0.0	0.0	1.0	0.0	0.0	9.0	2.5	5.5	11.5	5.0	8.0
8	0.5	0.0	0.0	1.5	0.0	0.5	7.5	3.0	5.5	10.0	4.0	7.0
9	0.5	0.0	0.0	1.5	0.0	0.5	6.0	3.5	4.5	11.0	4.0	7.0
10	0.5	0.0	0.0	1.5	0.0	0.5	9.5	3.0	6.0	9.5	4.5	6.5
11	0.5	0.0	0.0	4.5	0.0	2.0	9.5	4.0	6.5	11.0	4.0	7.0
12	0.5	0.0	0.0	5.0	1.5	3.0	9.5	3.5	6.5	10.5	4.0	7.5
13	0.5	0.0	0.0	4.0	0.0	2.0	10.0	3.5	6.5	11.5	5.5	8.5
14	0.5	0.0	0.0	2.5	0.0	1.0	10.5	4.5	7.0	12.5	5.5	8.5
15	0.0	0.0	0.0	0.5	0.0	0.0	7.0	3.0	4.5	12.0	6.0	9.0
16	1.0	0.0	0.0	1.0	0.0	0.0	4.5	1.5	2.5	12.0	5.5	9.0
17	0.5	0.0	0.0	1.5	0.0	0.5	4.5	0.0	2.0	13.5	6.5	9.5
18	1.0	0.0	0.5	2.5	0.0	1.0	2.0	0.0	1.5	13.0	7.0	10.0
19	1.5	0.0	0.5	4.5	0.0	2.0	5.5	0.0	2.5	11.0	6.5	8.5
20	4.0	0.5	2.0	5.5	0.0	2.5	7.0	1.0	4.0	8.5	5.0	6.5
21	4.0	0.0	1.5	6.5	0.5	3.5	9.0	1.5	5.0	8.5	3.0	5.5
22	4.5	0.0	2.0	7.0	1.0	4.0	10.0	2.5	6.0	10.0	3.0	6.5
23	4.5	1.0	2.5	4.5	0.5	2.5	10.5	3.0	6.5	11.5	4.5	7.5
24	4.5	0.0	2.0	6.0	1.0	3.0	9.5	4.0	6.5	12.0	5.0	8.5
25	5.0	0.0	2.0	5.5	0.5	3.0	10.5	4.5	7.5	12.5	7.0	9.5
26	5.0	0.0	2.0	8.0	1.0	4.5	7.5	5.0	6.0	12.5	6.5	9.5
27	5.0	0.0	2.5	8.0	1.5	4.5	9.0	3.5	5.5	12.5	7.5	9.5
28	5.0	0.0	2.5	8.5	1.5	5.0	7.0	2.5	5.0	14.0	7.0	10.0
29	---	---	---	9.0	1.5	5.0	4.5	1.5	3.0	15.0	8.5	11.5
30	---	---	---	8.5	1.5	5.0	8.0	1.5	4.5	15.0	9.0	12.0
31	---	---	---	8.5	1.0	5.0	---	---	---	15.0	9.5	12.0
MONTH	5.0	0.0	0.7	9.0	0.0	2.3	10.5	0.0	5.1	15.0	2.0	8.3

10336790 TROUT CREEK AT SOUTH LAKE TAHOE, CA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.5	10.0	11.5	19.0	11.5	15.5	19.5	13.5	16.5	16.5	12.5	14.5
2	12.5	6.5	9.5	19.5	12.5	16.0	19.5	13.5	16.5	16.5	12.5	14.5
3	13.5	7.5	10.0	19.0	12.0	15.5	19.0	13.5	16.0	16.0	12.5	14.5
4	14.5	8.5	11.0	18.5	11.0	15.0	18.0	13.0	15.5	15.5	13.0	14.0
5	16.0	9.5	12.5	18.5	11.5	15.0	17.0	12.0	15.0	14.5	11.5	13.0
6	15.5	9.0	12.0	18.5	11.5	15.0	16.5	11.5	14.0	14.5	12.0	13.0
7	15.0	9.5	12.0	19.5	12.5	16.0	16.0	10.5	13.5	14.0	9.5	11.5
8	14.0	9.0	11.0	19.0	11.5	15.0	16.0	10.0	13.5	12.5	8.5	10.5
9	12.0	6.5	9.0	19.5	11.5	15.5	17.0	11.0	14.0	12.0	8.5	10.5
10	12.5	6.0	9.0	20.5	13.0	16.5	17.5	12.0	14.5	12.5	9.0	11.0
11	14.0	7.0	10.0	20.0	13.5	17.0	17.0	12.5	14.5	13.0	10.0	11.5
12	15.0	8.0	11.5	17.5	15.0	16.0	18.0	12.0	15.0	13.0	10.5	12.0
13	15.0	9.5	12.0	19.0	12.5	16.0	18.5	13.0	16.0	14.0	11.0	12.5
14	16.0	9.0	12.0	21.0	14.0	17.5	19.0	14.0	16.5	13.5	10.0	12.0
15	15.5	8.5	12.0	20.5	14.0	17.0	19.0	14.0	16.5	13.5	11.0	12.0
16	15.5	8.5	12.0	20.0	13.5	17.0	18.5	14.0	16.5	12.5	10.0	11.5
17	16.5	9.0	12.5	18.0	14.0	16.0	18.5	13.5	15.5	12.5	8.5	11.0
18	17.5	10.5	13.5	15.5	12.0	13.0	17.0	12.5	15.0	12.5	7.5	10.5
19	17.0	10.0	13.5	18.0	9.5	13.5	17.0	12.0	14.5	12.5	8.0	10.5
20	16.0	10.5	13.0	19.0	12.5	15.5	16.0	11.5	13.5	13.0	8.5	11.0
21	15.5	10.0	13.0	18.0	13.5	15.5	14.5	10.5	12.5	13.5	9.0	11.5
22	16.5	9.0	12.5	19.0	12.5	15.5	15.0	10.5	13.0	13.5	9.5	11.5
23	17.0	10.0	13.5	18.5	12.0	15.0	15.0	10.5	13.0	13.0	9.5	11.5
24	17.0	10.0	13.5	18.5	11.5	15.0	14.5	10.5	12.5	13.0	9.5	11.5
25	18.0	10.5	14.5	18.0	11.5	15.0	15.0	10.5	13.0	13.0	9.0	11.0
26	17.5	12.0	15.0	18.0	11.5	14.5	14.5	10.0	12.5	12.5	9.0	10.5
27	18.0	11.0	14.5	19.0	12.0	15.5	15.0	10.5	13.0	12.0	9.0	10.0
28	18.0	11.0	14.5	19.0	13.0	16.0	15.5	11.5	13.5	10.5	7.5	9.0
29	18.0	11.0	14.5	19.5	13.0	16.0	15.5	11.5	13.5	10.5	7.5	9.0
30	18.5	11.0	14.5	20.0	13.5	17.0	16.0	12.0	14.0	10.0	6.5	8.5
31	---	---	---	19.5	14.0	17.0	16.5	12.5	14.5	---	---	---
MONTH	18.5	6.0	12.3	21.0	9.5	15.7	19.5	10.0	14.4	16.5	6.5	11.5
YEAR	21.0	0.0	6.9									

Remark Codes Used in This report:
< -- Less than

PYRAMID AND WINNEMUCCA LAKES BASIN

10337000 LAKE TAHOE AT TAHOE CITY, CA

LOCATION.--Lat 39°10'51", long 120°07'06", in NE $^1/_4$ NE $^1/_4$ sec.5, T.15 N., R.17 E., Placer County, Hydrologic Unit 16050101, on U.S. Coast Guard pier at Lake Forest, 1.1 mi northeast of Tahoe City, 1.8 mi northeast of Lake Tahoe outlet dam on Truckee River at Tahoe City and at mi 116.27 upstream from Marble Bluff Dam.

DRAINAGE AREA.--506 mi^2, at lake outlet.

PERIOD OF RECORD.--April 1900 to current year. Monthend elevations only for October 1943 to September 1957, published in WSP 1734. Prior to October 1961, published as "at Tahoe."
CHEMICAL DATA: Water year 1969, bimonthly; 1978, biannually; 1979, annually.

REVISED RECORDS.--WDR CA-78-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,220.00 ft above U.S. Bureau of Reclamation datum, 6,218.86 ft above NGVD of 1929. Prior to October 1, 1957, nonrecording gages at several sites near outlet of lake at same datum except for water years 1907 and 1908, which were at a datum 5.5 ft higher. October 1, 1957, to May 8, 1958, water-stage recorder on left wingwall of dam at outlet of lake at same datum. May 9, 1958, to September 30, 1968, water-stage recorder on pier, 1,000 ft east of dam at lake outlet.

REMARKS.--Lake levels regulated by a 17-gate concrete dam at outlet of lake; storage began about 1874. Monthly figures given represent usable contents. Usable capacity, 744,600 acre-ft between elevations 6,223 ft, natural rim of lake, and 6,229.1 ft, maximum permissible elevation by Federal Court decree. Lake elevations are referred to U.S. Bureau of Reclamation datum because that datum is used as the official reference point by all local, State, and Federal agencies. There are minor diversions for domestic purposes, irrigation, and power. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 6,231.26 ft, July 14, 15, 17, 18, 1907; minimum, 6220.26 ft, November 30, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 6,225.11 ft, June 7, 12, 15; minimum, 6,223.52 ft, September 30.

Capacity table (elevation, in feet, and contents, in acre-feet)

(Based on topographic information available in April 1959)

6,223	0	6,225	243,000	6,227	486,800	6,229.1	744,600
6,224	121,400	6,226	364,800	6,228	609,300		

GAGE HEIGHT, FEET , WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

AY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.52	4.02	3.95	4.14	4.15	4.18	4.37	4.72	5.01	5.05	4.67	4.06
2	4.52	4.01	4.15	4.21	4.14	4.18	4.37	4.73	5.03	5.03	4.65	4.04
3	4.50	3.98	4.14	4.21	4.14	4.17	4.38	4.73	e5.06	5.01	4.62	4.02
4	4.49	3.98	4.12	4.21	4.14	4.16	4.40	4.74	5.09	5.01	4.59	3.99
5	4.47	3.97	4.11	4.23	4.13	4.16	4.40	4.74	5.10	4.99	4.53	3.95
6	4.46	3.96	4.12	4.25	4.12	4.30	4.41	4.75	5.10	4.99	4.51	3.92
7	4.43	3.93	4.11	4.24	4.17	4.31	4.43	4.77	5.11	4.95	4.50	3.88
8	4.41	3.93	4.09	4.25	4.15	4.31	4.43	4.76	5.07	4.96	4.48	3.86
9	4.39	3.90	4.08	4.26	4.14	4.30	4.44	4.75	5.10	4.95	4.47	3.85
10	4.37	3.90	4.07	4.25	4.14	4.33	4.45	4.77	5.10	4.94	4.44	3.83
11	4.35	3.89	4.06	4.24	4.13	4.32	4.46	4.77	5.09	4.93	4.43	3.82
12	4.31	3.92	4.05	4.24	4.13	4.32	4.48	4.78	5.11	4.93	4.43	3.82
13	4.29	3.89	4.07	4.24	4.13	4.32	4.49	4.79	5.10	4.92	4.42	3.81
14	4.29	3.89	4.11	4.23	4.13	4.31	4.52	4.81	5.10	4.90	4.40	3.79
15	4.26	3.87	4.08	4.22	4.13	4.31	4.51	4.82	5.11	4.89	4.39	3.77
16	4.26	3.85	4.07	4.21	4.13	4.31	4.55	4.84	5.09	4.87	4.38	3.73
17	4.23	3.83	4.10	4.19	4.16	4.31	4.58	4.85	5.09	4.90	4.35	3.73
18	4.23	3.84	4.09	4.20	4.15	4.31	4.61	4.86	5.09	4.89	4.34	3.70
19	4.21	e3.80	4.09	4.19	4.19	4.30	4.61	4.88	5.10	4.88	4.31	3.69
20	4.18	3.80	4.09	4.19	4.21	4.31	4.61	4.90	5.10	4.87	4.27	3.68
21	4.18	3.86	4.09	4.18	4.20	4.31	4.61	4.92	5.10	4.84	4.23	3.67
22	4.16	3.90	4.09	4.18	4.21	4.32	4.62	4.92	5.10	4.83	4.23	3.66
23	4.13	3.84	4.10	4.18	4.20	4.35	4.62	4.93	5.09	4.81	4.20	3.65
24	4.12	3.97	4.08	4.16	4.20	4.35	4.63	4.92	5.10	4.78	4.18	3.64
25	4.10	3.96	4.07	4.17	4.19	4.35	4.64	4.93	5.10	4.76	4.17	3.64
26	4.09	3.94	4.08	4.19	4.20	4.35	4.65	4.94	5.09	4.76	4.15	3.61
27	4.07	3.92	4.06	4.17	4.20	4.35	4.64	4.94	5.07	4.74	4.13	3.60
28	4.04	3.91	4.11	4.18	4.19	4.34	4.65	4.95	5.06	4.73	4.11	3.57
29	4.03	3.96	4.13	4.17	---	4.35	4.72	e4.96	5.06	4.72	4.08	3.55
30	4.05	3.93	4.16	4.16	---	4.35	4.71	e4.97	5.05	4.70	4.08	3.52
31	4.03	---	4.15	4.15	---	4.36	---	4.98	---	4.69	4.07	---
MEAN	4.26	3.91	4.09	4.20	4.16	4.30	4.53	4.84	5.09	4.88	4.35	3.77
MAX	4.52	4.02	4.16	4.26	4.21	4.36	4.72	4.98	5.11	5.05	4.67	4.06
MIN	4.03	3.80	3.95	4.14	4.12	4.16	4.37	4.72	5.01	4.69	4.07	3.52
a	124,600	110,800	137,800	137,800	142,500	163,400	206,400	240,400	248,700	204,000	128,900	62,500
b	-59,800	-13,800	+27,000	0	+4,700	+20,900	+43,000	+34,000	+8,300	-44,700	-75,100	-66,400

CAL YR 2001 MEAN 5.53 MAX 6.55 MIN 3.80 b -293,900
WTR YR 2002 MEAN 4.37 MAX 5.11 MIN 3.52 b -121,900

e Estimated
a Elevation, in feet, at end of month.
b Change in contents, in acre-feet.

PYRAMID AND WINNEMUCCA LAKES BASIN

10337500 TRUCKEE RIVER AT TAHOE CITY, CA

(Lake Tahoe Interagency Monitoring Program)

LOCATION.--Lat 39°09'59", long 120°08'36", in NE $^1/_4$ NW $^1/_4$ sec.7, T.15 N., R.17 E., Placer County, Hydrologic Unit 16050102, on left bank, 510 ft downstream from dam at outlet of Lake Tahoe at Tahoe City, and at mi 116.2 upstream from Marble Bluff Dam.

DRAINAGE AREA.--507 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1895 to February 1896, March 1900 to current year. Monthly discharge only for some periods, published in WSP 1314 and 1734. Prior to October 1961, published as "at Tahoe."

REVISED RECORDS.--WDR CA-78-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,216.59 ft above NGVD of 1929. Prior to November 12, 1912, nonrecording gage at site 370 ft upstream at different datum. November 12, 1912, to September 30, 1937, nonrecording gage; October 1, 1937, to August 21, 1957, water-stage recorder at datum 2.26 ft higher; and August 22, 1957, to July 10, 1960, at datum 2.42 ft higher; all at site 270 ft upstream.

REMARKS.--Records good. Flow completely regulated by dam at outlet of Lake Tahoe (station 10337000), 510 ft upstream. There are several diversions for irrigation, power, and domestic water supply. In addition, sewer effluent is pumped from the Lake Tahoe basin. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 2,690 ft^3/s, January 2, 1997, gage height, 9.59 ft; no flow for parts of many years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	305	203	171	100	57	54	68	71	71	230	293	228
2	292	198	143	101	57	54	71	72	71	288	293	222
3	290	192	102	102	57	54	73	72	71	294	292	210
4	289	187	131	101	57	54	75	72	71	302	289	197
5	288	185	156	100	78	54	75	72	71	311	287	180
6	287	176	156	103	128	57	73	72	71	311	285	170
7	286	174	139	79	127	56	72	72	71	324	284	162
8	284	163	79	57	127	54	73	71	71	332	289	154
9	258	161	58	57	127	54	71	71	71	332	294	147
10	213	157	85	56	138	53	71	70	71	338	294	144
11	212	157	104	56	148	53	71	70	71	349	294	141
12	214	159	104	56	148	54	70	70	71	351	293	137
13	233	161	104	56	148	54	70	70	71	352	293	135
14	233	157	104	56	148	53	71	70	71	358	298	131
15	233	155	104	73	142	53	69	70	71	361	302	124
16	232	145	110	71	136	53	66	70	71	360	301	120
17	238	139	117	55	126	53	65	70	71	361	300	112
18	233	136	117	56	119	53	64	71	71	363	298	109
19	233	130	121	57	119	53	63	70	71	363	296	100
20	232	124	133	57	81	53	64	70	88	362	298	96
21	233	125	138	58	52	55	64	70	95	362	306	95
22	244	153	141	57	53	56	64	70	126	361	301	94
23	247	155	141	57	53	55	70	70	144	365	294	91
24	242	167	150	57	53	55	74	70	158	367	288	89
25	240	189	161	58	53	55	75	70	217	374	274	86
26	233	182	163	57	53	56	75	70	230	379	270	81
27	220	177	161	57	54	57	74	70	230	378	259	75
28	214	166	143	58	54	58	73	70	229	378	247	70
29	202	181	100	58	---	59	82	71	229	377	246	65
30	204	178	100	57	---	59	78	71	202	377	238	59
31	207	---	102	57	---	60	---	71	---	328	232	---
TOTAL	7571	4932	3838	2080	2693	1701	2124	2189	3297	10688	8828	3824
MEAN	244.2	164.4	123.8	67.10	96.18	54.87	70.80	70.61	109.9	344.8	284.8	127.5
MAX	305	203	171	103	148	60	82	72	230	379	306	228
MIN	202	124	58	55	52	53	63	70	71	230	232	59
AC-FT	15020	9780	7610	4130	5340	3370	4210	4340	6540	21200	17510	7580

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2002, BY WATER YEAR (WY)

MEAN	181.8	196.0	232.3	239.9	295.6	260.4	178.0	167.1	237.1	276.0	313.0	266.1
MAX	413	1575	2209	2561	2375	2235	1806	1746	1673	1071	638	687
(WY)	1910	1983	1984	1997	1997	1986	1983	1958	1969	1983	1918	1983
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
(WY)	1932	1927	1925	1925	1925	1925	1919	1919	1921	1931	1931	1931

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1909 - 2002	
ANNUAL TOTAL	88978		53765			
ANNUAL MEAN	243.8		147.3		234.7	
HIGHEST ANNUAL MEAN					1150	1983
LOWEST ANNUAL MEAN					0.15	1994
HIGHEST DAILY MEAN	424	Aug 31	379	Jul 26	2630	Jan 3 1997
LOWEST DAILY MEAN	58	Dec 9	52	Feb 21	0.00	Jan 4 1914
ANNUAL SEVEN-DAY MINIMUM	74	May 2	53	Feb 21	0.00	Jan 23 1914
MAXIMUM PEAK FLOW			383	Jul 25	2690	Jan 2 1997
MAXIMUM PEAK STAGE			4.32	Jul 25	9.59	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	176500		106600		170000	
10 PERCENT EXCEEDS	398		298		471	
50 PERCENT EXCEEDS	233		109		142	
90 PERCENT EXCEEDS	78		56		0.00	

PRECIPITATION RECORDS

PERIOD OF RECORD.— January to September 2002.

INSTRUMENTATION.—Heated tipping-bucket gage.

EXTREMES FOR PERIOD OF RECORD.—Maximum recorded daily precipitation, 1.49 in., March 6, 2002; no precipitation for many days.

PRECIPITATION, INCHES, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	---	---	---	---	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00
6	---	---	---	---	0.00	1.49	0.00	0.00	0.00	0.00	0.00	0.00
7	---	---	---	---	0.35	0.28	0.00	0.00	0.00	0.00	0.00	0.00
8	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	---	---	---	---	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
11	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00
13	---	---	---	---	0.12	0.08	0.00	0.00	0.00	0.00	0.00	0.00
14	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	---	---	---	---	0.12	0.04	0.00	0.00	0.00	0.00	0.00	0.00
16	---	---	---	---	0.08	0.03	e0.15	0.00	0.00	0.00	0.00	0.00
17	---	---	---	---	0.08	0.00	e0.06	0.00	0.00	0.12	0.00	0.00
18	---	---	---	0.00	0.00	0.00	e0.06	0.00	0.00	0.04	0.00	0.00
19	---	---	---	0.00	0.74	0.00	0.00	0.08	0.00	0.00	0.00	0.00
20	---	---	---	0.00	0.08	0.00	0.00	0.24	0.00	0.00	0.00	0.00
21	---	---	---	0.08	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
22	---	---	---	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00
23	---	---	---	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00
24	---	---	---	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
25	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	---	---	---	0.51	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00
27	---	---	---	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
28	---	---	---	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	---	---	---	0.00	---	0.00	0.16	0.00	0.00	0.00	0.00	0.00
30	---	---	---	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	---	---	---	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	---	---	---	---	1.61	2.52	0.59	0.36	0.00	0.16	0.00	0.00
MAX	---	---	---	---	0.74	1.49	0.16	0.24	0.00	0.12	0.00	0.00
MIN	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

e Estimated

10337500 TRUCKEE RIVER AT TAHOE CITY, CA--Continued

(Lake Tahoe Interagency Monitoring Program)

PERIOD OF RECORD.—Water years 1978–81, 1994, 2002.

CHEMICAL DATA: Water years 1978–81.

WATER TEMPERATURE: June 1993 to September 1994.

AIR TEMPERATURE: July to September 2002.

INSTRUMENTATION.—Air temperature sensor and digital recorder.

EXTREMES FOR PERIOD OF RECORD.—Maximum recorded temperature, 31.6°C, August 13, 2002; minimum recorded, –0.7°C, September 30, 2002.

AIR TEMPERATURE, DEGREES C, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	---	---	---	---	27.8	9.5	28.1	8.0
2	---	---	---	---	---	---	---	---	26.8	10.3	28.1	8.1
3	---	---	---	---	---	---	---	---	23.9	8.7	25.2	8.2
4	---	---	---	---	---	---	---	---	20.8	8.3	20.5	9.0
5	---	---	---	---	---	---	---	---	19.4	7.8	18.7	11.3
6	---	---	---	---	---	---	---	---	20.3	3.7	13.7	4.2
7	---	---	---	---	---	---	---	---	21.9	4.7	14.5	-0.5
8	---	---	---	---	---	---	---	---	24.4	4.6	18.4	1.3
9	---	---	---	---	---	---	---	---	28.0	5.7	21.2	2.4
10	---	---	---	---	---	---	---	---	28.6	7.5	24.1	3.2
11	---	---	---	---	---	---	---	---	28.0	8.0	24.5	4.1
12	---	---	---	---	---	---	---	---	29.3	8.8	24.9	4.6
13	---	---	---	---	---	---	28.3	11.4	31.6	9.7	25.4	5.0
14	---	---	---	---	---	---	28.0	11.5	30.7	10.8	26.0	5.4
15	---	---	---	---	---	---	26.5	10.2	30.0	10.4	23.6	6.8
16	---	---	---	---	---	---	27.2	9.2	29.6	9.0	19.6	2.3
17	---	---	---	---	---	---	24.1	10.3	27.8	7.7	18.6	4.3
18	---	---	---	---	---	---	19.7	8.6	26.8	6.7	18.3	4.1
19	---	---	---	---	---	---	23.9	7.7	23.8	5.7	21.7	3.1
20	---	---	---	---	---	---	26.4	9.8	18.9	5.3	24.4	3.8
21	---	---	---	---	---	---	27.4	10.4	20.7	2.7	25.3	4.0
22	---	---	---	---	---	---	25.5	8.1	21.7	4.8	26.1	5.0
23	---	---	---	---	---	---	26.5	5.2	21.1	3.9	26.8	4.8
24	---	---	---	---	---	---	27.4	9.3	23.8	3.2	24.7	4.6
25	---	---	---	---	---	---	25.4	5.5	23.7	3.7	23.8	2.1
26	---	---	---	---	---	---	27.4	5.5	22.4	5.5	23.1	2.4
27	---	---	---	---	---	---	28.2	9.5	21.6	6.2	18.6	5.7
28	---	---	---	---	---	---	29.7	9.9	24.8	6.5	15.5	2.8
29	---	---	---	---	---	---	29.5	9.4	24.9	6.0	14.2	1.3
30	---	---	---	---	---	---	30.1	10.1	24.0	7.5	14.1	-0.7
31	---	---	---	---	---	---	28.4	9.3	25.1	8.3	---	---
MONTH	---	---	---	---	---	---	---	---	31.6	2.7	28.1	-0.7

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1978 to September 1980, June 1983, December 2000 to September 2001.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June 1993 to September 1994.

REMARKS.--In December 2000, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor nutrient and sediment outflow from Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 22.0°C, July 24, 27, August 2, 1993; minimum, freezing point on several days in February, 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
DEC									
31...	1200	102	608	10.0	102	90	8.0	6.5	.004
MAR									
05...	1025	53	607	10.2	100	92	7.5	5.0	<.003
JUN									
06...	1220	71	609	8.8	113	91	--	16.5	.003
SEP									
19...	1120	100	610	8.2	107	94	18.5	17.0	.004

Date	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	IRON, BIO. REACT-IVE TOTAL (UG/L AS FE) (46568)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
DEC							
31...	.05	.003	.009	<.001	51	<1	<.28
MAR							
05...	.08	.003	.008	.001	17	<1	<.14
JUN							
06...	.11	.002	.011	.001	69	2	.38
SEP							
19...	.07	.002	.005	.001	31	4	1.1

Remark Codes Used in This report:
< -- Less than

PYRAMID AND WINNEMUCCA LAKES BASIN

10338000 TRUCKEE RIVER NEAR TRUCKEE, CA

LOCATION.--Lat 39°17'17", long 120°12'16", in SW $^1/_4$ NE $^1/_4$ sec.28, T.17 N., R.16 E., Placer County, Hydrologic Unit 16050102, Tahoe National Forest, on left bank 1.4 mi downstream from Cabin Creek, 2.5 mi southwest of Truckee, and at mi 103.62 upstream from Marble Bluff Dam.

DRAINAGE AREA.--553 mi^2.

PERIOD OF RECORD.--December 1944 to September 1961, June 1977 to September 1982, October 1992 to September 1995, October 1996 to current year. Monthly discharge only for some periods, published in WSP 1314.
SPECIFIC CONDUCTANCE: July 1977 to September 1982.
WATER TEMPERATURE: July 1977 to September 1982, March 1993 to September 1994.

REVISED RECORDS.--WDR CA-77-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,857.66 ft above NGVD of 1929.

REMARKS.--Records good. Flow regulated by Lake Tahoe (station 10337000), operating capacity, 744,600 acre-feet. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 11,900 ft^3/s, January 2, 1997, gage height, 9.97 ft, from rating curve extended above 3,100 ft^3/s on basis of slope-area measurements at gage heights 7.62 ft and 7.92 ft; minimum daily, 3.4 ft^3/s, several days in August 1994.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	312	207	188	e129	100	133	235	222	393	254	310	239
2	294	202	e168	e129	100	123	264	220	327	345	311	236
3	291	197	133	e131	99	119	313	251	299	352	309	223
4	290	189	140	e131	98	118	354	291	312	351	308	208
5	290	188	173	e131	98	119	e368	328	336	361	304	191
6	290	181	175	e130	182	180	344	356	329	360	303	181
7	290	175	173	e114	153	168	333	369	311	368	298	172
8	290	167	113	e107	153	140	345	348	278	380	299	162
9	277	164	80	e101	151	128	359	329	234	376	305	157
10	220	160	e90	e98	157	124	350	308	208	378	305	154
11	219	166	e115	e95	172	118	362	280	204	390	305	150
12	216	166	121	e95	174	125	389	294	210	390	305	144
13	233	169	121	e94	176	122	394	332	222	389	304	143
14	236	159	126	e95	178	116	498	362	219	390	309	137
15	236	159	124	108	178	112	482	383	200	391	314	133
16	235	152	125	e106	170	112	338	384	188	391	313	126
17	238	144	139	95	166	108	286	418	183	390	312	114
18	236	137	137	94	153	102	248	444	192	393	310	114
19	232	136	135	92	162	100	223	396	184	391	308	105
20	232	124	152	91	189	104	210	336	190	389	307	99
21	232	139	152	85	141	109	208	279	201	385	318	97
22	239	e159	157	86	142	120	213	247	210	384	312	94
23	245	e161	160	87	e144	130	227	233	237	385	310	93
24	241	e175	162	87	137	119	249	237	235	389	300	92
25	240	e196	173	84	134	116	289	263	292	391	289	86
26	233	e188	177	80	134	118	320	292	320	400	283	84
27	226	e184	177	88	136	127	287	320	313	397	273	79
28	216	e178	180	90	135	142	252	348	304	395	261	73
29	207	194	129	88	---	168	262	376	298	394	258	68
30	215	e190	e128	96	---	192	247	405	292	393	250	62
31	216	---	e128	109	---	210	---	417	---	361	244	---
TOTAL	7667	5106	4451	3146	4112	4022	9249	10068	7721	11703	9237	4016
MEAN	247.3	170.2	143.6	101.5	146.9	129.7	308.3	324.8	257.4	377.5	298.0	133.9
MAX	312	207	188	131	189	210	498	444	393	400	318	239
MIN	207	124	80	80	98	100	208	220	183	254	244	62
AC-FT	15210	10130	8830	6240	8160	7980	18350	19970	15310	23210	18320	7970

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	200.6	206.2	287.5	336.9	366.6	345.1	406.3	562.7	486.4	308.1	288.4	258.3
MAX	387	551	1483	3190	2537	1421	1734	2403	1843	635	492	453
(WY)	1948	1951	1997	1997	1997	1952	1958	1958	1998	1998	1959	1954
MIN	7.27	11.3	14.2	8.82	12.2	58.1	98.3	122	34.5	6.40	3.56	4.72
(WY)	1995	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1945 - 2002	
ANNUAL TOTAL	103416		80498			
ANNUAL MEAN	283.3		220.5		342.5	
HIGHEST ANNUAL MEAN					941	1997
LOWEST ANNUAL MEAN					32.4	1994
HIGHEST DAILY MEAN	444	Aug 18	498	Apr 14	8900	Jan 1 1997
LOWEST DAILY MEAN	80	Dec 9	62	Sep 30	3.4	Aug 18 1994
ANNUAL SEVEN-DAY MINIMUM	109	Dec 8	78	Sep 24	3.4	Aug 22 1994
MAXIMUM PEAK FLOW			690	Apr 14	11900	Jan 2 1997
MAXIMUM PEAK STAGE			2.58	Apr 14	9.97	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	205100		159700		248100	
10 PERCENT EXCEEDS	408		372		569	
50 PERCENT EXCEEDS	288		204		249	
90 PERCENT EXCEEDS	160		100		54	

e Estimated

PYRAMID AND WINNEMUCCA LAKES BASIN

10338400 DONNER LAKE NEAR TRUCKEE, CA

LOCATION.--Lat 39°19'30", long 120°16'53", in SE $^1/_4$ NW $^1/_4$ sec.14, T.17 N., R.15 E., Nevada County, Hydrologic Unit 16050102, on north shore, 2.5 mi upstream from outlet gates, and 4.9 mi west of Truckee.

DRAINAGE AREA.--14.0 mi^2.

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--January 1989 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Westpac Utilities).

REMARKS.--Lake levels regulated by a concrete dam at the outlet constructed in 1928. Usable capacity, 9,490 acre-ft between elevations 5,923.8 and 5,935.8 ft, maximum storage level. Water is used for irrigation and power development downstream. Records, including extremes, represent usable contents. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 12,800 acre-ft, January 2 1997, elevation, 5,938.64 ft; minimum, 2,510 acre-ft, January 24, 28-31, 1991, elevation, 5,927.23 ft.

EXTREMES FOR CURRENT YEAR.—Maximum contents, 9,620 acre-ft, May 30 and 31, maximumelevation, 5,935.95 ft; minimum, May 30, minimum 3,080 acre-ft, November 20, elevation, 5,928.02 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by Westpac Utilities, dated Aug. 22, 1980)

5,923.8	0	5,930.0	4,690	5,934	7,970	5,938	12,000
5,926.0	1,600	5,932	6,310	5,936	9,670	5,940	14,700
5,928.0	3,120						

RESERVOIR STORAGE (ACRE-FEET) , WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

AY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4820	3210	3530	3520	3550	3790	4080	4970	9540	9360	8940	8390
2	4710	3210	3720	3590	3530	3770	4190	5000	9460	9340	8940	8360
3	4610	3210	3720	3650	3510	3770	4350	5090	9460	9340	8940	8340
4	4510	3200	3650	3660	3500	3760	4490	5210	9470	9310	8870	8320
5	4410	3180	3650	3680	3510	3770	4610	5380	9510	9310	8870	8280
6	4320	3180	3620	3790	3460	3970	4630	5530	9540	9340	8870	8250
7	4220	3170	3590	3860	3510	4020	4660	5750	9550	9330	8840	8220
8	4140	3140	3550	3880	3520	3990	4770	5920	9550	9310	8820	8220
9	4050	3140	3530	3870	3510	3950	4760	6130	9540	9290	8810	8200
10	3970	3140	3500	3870	3500	3970	4800	6280	9510	9280	8790	8180
11	3890	3170	3480	3870	3490	3950	4870	6440	9490	9270	8810	8140
12	3830	3180	3450	3830	3480	3950	4900	6630	9480	9270	8770	8080
13	3760	3190	3450	3830	3490	3950	5000	6850	9470	9260	8770	7960
14	3700	3180	3490	3800	3490	3920	5150	7040	9460	9230	8730	7810
15	3650	3190	3470	3780	3500	3890	5160	7260	9430	9220	8700	7680
16	3590	3180	3450	3770	3490	3860	5120	7500	9400	9210	8660	7530
17	3540	3160	3510	3750	3510	3860	5010	7740	9370	9200	8650	7400
18	3490	3140	3480	3720	3500	3820	4880	7990	9350	9190	8660	7260
19	3450	3130	3450	3700	3570	3820	4770	8190	9380	9170	8600	7130
20	3410	3080	3480	3670	3610	3800	4680	8370	9400	9160	8590	6980
21	3380	3310	3470	3670	3680	3820	4580	8490	9400	9150	8560	6800
22	3340	3450	3480	3640	3730	3840	4510	8610	9390	9110	8540	6640
23	3300	3450	3460	3620	3770	3870	4480	8700	9390	9100	8530	6480
24	3280	3620	3450	3610	3780	3870	4510	8810	9380	9070	8500	6330
25	3260	3620	3440	3560	3770	3860	4590	8940	9380	9050	8490	6170
26	3240	3570	3410	3670	3800	3860	4690	9100	9370	9040	8480	6000
27	3210	3540	3410	3640	3780	3850	4770	9270	9370	9030	8480	5920
28	3190	3520	3420	3630	3760	3860	4800	9440	9370	9020	8450	5780
29	3180	3520	3450	3590	---	3890	4900	9550	9360	9000	8440	5690
30	3240	3490	3480	e3580	---	3950	4930	9620	9360	8990	8420	5690
31	3230	---	3530	e3560	---	4030	---	9620	---	8970	8410	---
MAX	4820	3620	3720	3880	3800	4030	5160	9620	9550	9360	8940	8390
MIN	3180	3080	3410	3520	3460	3760	4080	4970	9350	8970	8410	5690
a	5928.15	5928.50	5928.55		5928.83	5929.18	5930.31	5935.94	5935.65	5935.19	5934.53	5931.25
b	-1700	+260	+40	+30	+200	+270	+900	+4690	-260	-390	-560	-2720

CAL YR 2001 MAX 9500 MIN 3060 b +440
WTR YR 2002 MAX 9620 MIN 3080 b +760

e Estimated
a Elevation, in feet, at end of month.
b Change in contents, in acre-feet.

PERIOD OF RECORD.—October 2001 to September 2002.
INSTRUMENTATION.—Heated tipping-bucket gage.
EXTREMES FOR PERIOD OF RECORD.—Maximum daily precipitation, 2.50 in., Dec. 2, 2001; no precipitation for many days.

PRECIPITATION, INCHES, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	0.78	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	---	0.00	2.50	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	---	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00
5	---	0.00	0.08	0.54	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00
6	---	0.00	0.00	0.47	0.00	2.23	0.00	0.00	0.00	0.00	0.00	0.08
7	---	0.00	0.00	0.00	0.66	0.54	0.00	0.00	0.00	0.00	0.00	0.00
8	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	---	0.00	0.04	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00
10	---	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00
11	---	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	---	0.78	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.24	0.00	0.20	0.15	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.11	0.08	0.31	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	1.09	0.04	0.16	0.04	0.11	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.04	0.00	0.00
19	0.00	0.00	0.00	0.00	1.01	0.00	0.00	0.15	0.00	0.00	0.00	0.00
20	0.00	0.00	0.50	0.00	0.12	0.00	0.00	0.32	0.00	0.00	0.00	0.00
21	0.00	2.42	0.04	0.27	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
22	0.00	1.29	0.43	0.00	0.00	0.35	0.00	0.04	0.00	0.00	0.00	0.00
23	0.00	0.03	0.00	0.00	0.04	0.35	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	1.96	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.04	1.56	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.04	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00
28	0.00	0.43	0.51	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.35	0.11	0.00	---	0.00	0.39	0.00	0.00	0.00	0.00	0.00
30	1.60	0.04	0.67	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.15	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	---	8.03	8.19	4.05	2.34	4.64	1.29	0.58	0.00	0.04	0.00	0.08

10338500 DONNER CREEK AT DONNER LAKE, NEAR TRUCKEE, CA

LOCATION.--Lat 39°19'25", long 120°14'00", in SW $^1/_4$ NW $^1/_4$ sec.17, T.17 N., R.16 E., Nevada County, Hydrologic Unit 16050102, in Donner Memorial State Park, on left bank, 10 ft downstream from bridge on Donner Memorial State Park road, 0.2 mi downstream from outlet of Donner Lake, 0.7 mi upstream from Cold Creek, and 2.5 mi west of Truckee.

DRAINAGE AREA.--14.3 mi^2.

PERIOD OF RECORD.--November 1909 to August 1910, January 1929 to October 1935, January 1936 to March 1938, July to October 1938, January 1939 to February 1943, June 1943 to December 1953, May 1955 to December 1957, October 1958 to current year. Monthly discharge only prior to October 1958, published in WSP 1314 and 1734.

REVISED RECORDS.--WDR CA-79-3: Drainage area.

GAGE.--Water-stage recorder and concrete control, completed October 3, 1989. Datum of gage is 5,924.40 ft above NGVD of 1929. November 1, 1909, to August 31, 1910, nonrecording gage at different datum. January 1929 to December 1957, water-stage recorder at same site at unknown datum.

REMARKS.--Records good. Flow completely regulated at dam at outlet of Donner Lake (station 10338400) since 1928. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 863 ft^3/s, January 2, 1997, gage height, 6.69 ft; no flow at times in many years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	7.5	20	20	e21	33	54	44	107	2.5	1.5	2.8
2	57	7.5	26	22	20	33	59	44	90	2.6	1.7	2.6
3	54	7.2	31	24	19	32	67	44	50	2.2	1.8	2.6
4	52	6.4	28	24	19	31	79	46	39	2.0	1.2	3.0
5	50	6.1	25	24	18	31	93	46	34	2.0	1.1	3.2
6	48	6.1	24	30	17	38	99	50	30	1.7	1.6	2.9
7	45	5.8	24	35	17	47	100	31	30	1.4	1.8	2.9
8	44	4.8	22	36	19	49	105	12	28	2.0	2.0	2.8
9	40	4.5	20	36	19	47	110	8.0	26	2.8	2.2	2.8
10	37	4.3	19	36	19	45	114	6.0	26	2.4	2.2	4.7
11	35	4.8	19	36	17	44	120	2.4	26	2.3	e2.1	12
12	32	5.5	18	35	17	44	124	1.5	26	3.1	e2.1	29
13	31	5.7	17	33	17	44	128	0.97	26	2.8	2.0	55
14	29	5.1	18	33	17	42	136	4.1	26	2.7	1.8	66
15	26	5.1	17	31	17	41	151	3.7	26	2.6	1.9	66
16	25	4.6	17	29	17	39	146	1.3	26	2.5	1.9	66
17	23	4.2	18	29	18	39	139	0.99	25	2.9	e1.9	66
18	21	3.9	18	28	18	36	129	0.79	16	2.9	e1.9	64
19	19	3.8	17	26	19	34	120	0.81	5.7	2.7	e1.9	64
20	18	3.8	17	25	23	33	111	2.4	1.8	2.7	e2.0	71
21	15	5.2	17	24	25	33	102	1.8	4.1	2.7	1.7	84
22	14	16	17	24	28	34	97	1.4	6.0	2.4	2.0	83
23	13	16	17	24	31	39	92	1.2	5.9	2.3	2.2	80
24	11	20	17	22	32	39	91	2.7	5.6	1.6	2.0	79
25	10	24	16	22	32	39	92	2.5	5.6	2.3	2.0	76
26	9.4	22	16	23	32	39	73	2.1	3.8	2.6	2.2	74
27	8.7	21	15	26	32	37	46	1.6	1.6	1.5	3.0	60
28	7.8	19	15	25	32	38	46	1.5	1.5	1.4	3.6	48
29	7.0	19	16	e24	---	39	46	22	1.2	1.5	3.6	47
30	7.4	19	16	e23	---	43	45	64	1.1	2.1	3.2	38
31	7.8	---	19	e22	---	49	---	88	---	2.4	2.8	---
TOTAL	854.1	287.9	596	851	612	1211	2914	538.76	700.9	71.6	64.9	1258.3
MEAN	27.55	9.597	19.23	27.45	21.86	39.06	97.13	17.38	23.36	2.310	2.094	41.94
MAX	57	24	31	36	32	49	151	88	107	3.1	3.6	84
MIN	7.0	3.8	15	20	17	31	45	0.79	1.1	1.4	1.1	2.6
AC-FT	1690	571	1180	1690	1210	2400	5780	1070	1390	142	129	2500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2002, BY WATER YEAR (WY)

MEAN	29.87	27.04	30.36	32.98	32.69	37.38	53.27	84.83	46.35	12.13	7.792	25.47
MAX	85.7	195	214	284	198	182	144	243	244	67.2	52.7	99.1
(WY)	1973	1951	1951	1997	1986	1986	1940	1952	1983	1934	1932	1983
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
(WY)	1930	1930	1930	1929	1929	1929	1929	1929	1929	1937	1936	1930

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1929 - 2002	
ANNUAL TOTAL	4741.2		9960.46			
ANNUAL MEAN	12.99		27.29		35.86	
HIGHEST ANNUAL MEAN					83.3	1982
LOWEST ANNUAL MEAN					7.71	1977
HIGHEST DAILY MEAN	77	Sep 21	151	Apr 15	820	Jan 2 1997
LOWEST DAILY MEAN	1.0	Jun 11	0.79	May 18	0.00	Jan 1 1929
ANNUAL SEVEN-DAY MINIMUM	2.0	Jul 22	1.3	May 17	0.00	Jan 1 1929
MAXIMUM PEAK FLOW			153	Apr 15	863	Jan 2 1997
MAXIMUM PEAK STAGE			4.03	Apr 15	6.69	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	9400		19760		25980	
10 PERCENT EXCEEDS	39		66		99	
50 PERCENT EXCEEDS	5.4		19		15	
90 PERCENT EXCEEDS	2.7		2.0		0.10	

e Estimated

10338700 DONNER CREEK AT HIGHWAY 89, NEAR TRUCKEE, CA

LOCATION.--Lat 39°19'16", long 120°12'25", in NE $^1/_4$ SW $^1/_4$ sec.16, T.17 N., R.16 E., Nevada County, Hydrologic Unit 16050102, on right bank, 50 ft upstream from State Highway 89 bridge, 0.5 mi upstream from mouth, and 1.4 mi southwest of Truckee.

DRAINAGE AREA.--29.1 mi^2.

PERIOD OF RECORD.--March 1993 to current year.
WATER TEMPERATURE: August 1993 to September 1994.

GAGE.--Water-stage recorder. Elevation of gage is 5,870 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. About half the drainage area is regulated at dam at outlet of Donner Lake (station 10338400) 2.0 mi upstream. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, about 2,500 ft^3/s, January 2, 1997, gage height, 12.76 ft, backwater from debris, on the basis of the flood routing the peak discharge between Truckee River near Truckee and Truckee River above Prosser Creek; minimum daily, 2.3 ft^3/s, August 21, 22, 1994.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	8.6	23	31	28	56	113	96	229	20	4.1	4.3
2	50	8.2	32	34	26	54	128	97	184	19	4.1	4.1
3	48	7.9	35	38	26	52	152	111	143	17	4.1	4.0
4	46	7.2	32	35	25	52	189	130	135	15	3.6	4.3
5	44	7.1	30	35	25	52	197	144	139	14	3.4	4.5
6	41	6.7	29	62	24	74	187	157	136	13	3.7	4.4
7	39	6.2	28	64	25	81	186	148	128	12	3.9	4.4
8	37	5.7	26	60	27	77	200	120	109	12	e4.2	4.3
9	35	5.6	24	56	25	72	213	110	91	12	4.7	4.2
10	33	5.3	23	52	25	70	222	99	82	11	4.7	5.7
11	31	6.6	22	51	25	69	232	91	81	10	4.7	13
12	29	7.3	21	49	25	73	244	101	84	11	4.5	27
13	27	6.9	20	47	25	70	249	113	88	9.6	4.4	51
14	26	6.3	e21	46	25	66	310	127	83	9.1	4.1	63
15	24	6.1	20	44	25	63	307	136	74	8.5	4.2	62
16	22	5.9	20	41	26	61	238	132	69	8.1	4.2	61
17	21	5.6	22	40	26	59	214	145	68	8.0	3.8	62
18	19	5.3	21	38	26	56	193	152	62	8.2	4.0	60
19	18	5.2	20	36	31	54	176	128	49	7.7	4.1	60
20	16	5.2	20	35	47	54	163	106	43	7.2	4.5	66
21	15	10	20	34	50	56	154	83	41	6.6	3.9	78
22	14	37	20	34	53	60	149	74	39	6.1	4.0	79
23	12	21	20	32	59	65	151	71	37	5.8	4.2	75
24	11	42	19	31	56	64	158	78	35	5.1	4.0	72
25	10	35	18	31	55	63	175	90	33	5.4	3.9	70
26	9.5	29	18	31	56	62	158	99	32	5.7	4.0	68
27	9.0	25	19	e32	57	63	118	110	27	4.7	4.6	55
28	8.2	23	20	32	57	66	107	124	24	4.3	5.2	43
29	7.4	24	21	31	---	75	107	151	22	4.0	5.1	43
30	9.1	23	23	29	---	84	100	202	21	4.7	4.8	36
31	9.5	---	33	29	---	97	---	214	---	5.1	4.4	---
TOTAL	771.7	397.9	720	1240	980	2020	5490	3739	2388	289.9	131.1	1188.2
MEAN	24.89	13.26	23.23	40.00	35.00	65.16	183.0	120.6	79.60	9.352	4.229	39.61
MAX	51	42	35	64	59	97	310	214	229	20	5.2	79
MIN	7.4	5.2	18	29	24	52	100	71	21	4.0	3.4	4.0
AC-FT	1530	789	1430	2460	1940	4010	10890	7420	4740	575	260	2360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2002, BY WATER YEAR (WY)

MEAN	33.30	22.60	42.58	86.95	73.61	103.7	148.7	230.8	157.8	48.29	10.65	41.62
MAX	49.0	45.5	201	438	200	251	220	379	398	180	38.1	60.2
(WY)	2000	1999	1997	1997	1996	1995	1993	1995	1995	1995	1995	1993
MIN	15.8	8.35	9.73	8.37	11.6	30.9	39.8	64.8	12.4	4.48	3.24	11.6
(WY)	1995	1994	2000	2001	1994	1994	1994	1994	2001	2001	1994	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1993 - 2002	
ANNUAL TOTAL	9437.5		19355.8			
ANNUAL MEAN	25.86		53.03		80.56	
HIGHEST ANNUAL MEAN					142	1995
LOWEST ANNUAL MEAN					25.9	1994
HIGHEST DAILY MEAN	121	May 16	310	Apr 14	2380	Jan 2 1997
LOWEST DAILY MEAN	2.8	Aug 22	3.4	Aug 5	2.3	Aug 21 1994
ANNUAL SEVEN-DAY MINIMUM	2.9	Aug 28	3.8	Aug 1	2.5	Aug 19 1994
MAXIMUM PEAK FLOW			412	Apr 14	2500	Jan 2 1997
MAXIMUM PEAK STAGE			5.63	Apr 14	12.76	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	18720		38390		58360	
10 PERCENT EXCEEDS	67		137		203	
50 PERCENT EXCEEDS	15		32		42	
90 PERCENT EXCEEDS	4.1		4.7		7.2	

e Estimated

PYRAMID AND WINNEMUCCA LAKES BASIN

10339400 MARTIS CREEK NEAR TRUCKEE, CA

LOCATION.--Lat 39°19'44", long 120°07'00", in NE $^1/_4$ NW $^1/_4$ sec.17, T.17 N., R.17 E., Nevada County, Hydrologic Unit 16050102, on left bank 0.2 mi downstream from Martis Creek Lake Dam, 1.8 mi upstream from mouth, and 3.5 mi east of Truckee.

DRAINAGE AREA.--39.9 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1958 to November 1990, June 1993 to current year.

REVISED RECORDS.--WDR CA-79-3: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,730 ft above NGVD of 1929, from topographic map. Prior to July 10, 1972, at site 1.0 mi downstream at different datum.

REMARKS.--Records good. Flow is completely regulated by Martis Creek Lake (station 10339380) since October 7, 1971. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 1,880 ft^3/s, February 1, 1963, gage height, 6.16 ft, site and datum then in use; minimum, 1.3 ft^3/s, July 30, 1961. Maximum discharge since construction of Martis Creek Lake Dam in 1971, 663 ft^3/s, February 28, 1986, gage height, 5.66 ft; maximum gage height, 6.01 ft, April 2, 1974; minimum daily, 0.20 ft^3/s, November 9–14, 1977.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	7.3	9.2	17	8.9	26	49	e26	9.3	4.2	3.1	3.6
2	4.8	6.7	e21	18	8.4	21	54	23	8.9	4.1	3.3	3.5
3	4.8	6.5	22	30	8.0	20	60	23	9.0	4.0	3.1	3.5
4	4.9	6.1	18	22	8.1	22	63	22	8.9	3.8	3.1	3.1
5	5.1	6.0	14	17	8.4	23	64	23	8.0	3.8	2.9	3.0
6	5.4	6.2	12	25	8.1	49	64	22	7.5	3.8	2.9	3.1
7	5.6	6.1	12	33	8.7	61	63	22	7.3	3.7	3.0	3.1
8	5.8	6.1	11	30	10	39	63	21	6.6	3.6	3.2	3.3
9	5.7	6.1	11	23	9.5	32	62	20	6.5	3.6	3.3	3.4
10	5.0	6.3	10	19	9.2	30	55	19	7.2	3.5	3.3	3.5
11	5.2	8.1	9.9	16	9.1	29	51	19	7.1	3.5	3.3	3.5
12	5.1	9.3	9.6	15	9.2	39	52	17	6.6	3.6	2.6	3.5
13	5.0	9.8	9.6	13	9.6	39	50	17	6.5	3.7	2.5	3.5
14	5.0	8.4	9.9	12	9.9	32	50	17	6.0	3.7	4.1	3.5
15	5.0	7.4	9.2	11	11	27	55	17	5.4	3.5	4.4	3.4
16	5.2	6.9	9.1	9.8	12	24	44	16	5.2	3.3	3.9	3.3
17	5.2	6.4	9.7	9.8	14	23	40	15	5.0	3.1	3.8	3.4
18	5.1	6.0	9.5	9.5	12	21	37	15	5.0	3.5	3.6	2.8
19	5.5	5.8	9.3	9.4	13	22	34	14	5.0	3.9	3.6	3.7
20	5.3	6.0	9.5	9.2	28	24	32	15	5.0	3.9	3.3	3.6
21	5.3	7.2	9.4	9.5	34	26	29	15	5.0	3.8	3.3	3.5
22	5.2	19	9.4	9.5	36	30	28	14	4.8	3.7	3.3	3.5
23	5.3	14	9.4	8.8	50	38	26	14	4.9	3.5	3.4	3.4
24	5.1	28	8.2	8.7	38	35	26	13	4.7	3.4	3.5	3.4
25	e5.2	26	8.3	8.9	33	30	26	12	4.7	3.2	3.5	3.3
26	e5.2	13	9.1	9.3	31	29	28	11	4.7	3.1	3.5	3.3
27	5.3	9.6	9.1	9.7	31	31	27	10	4.7	3.1	3.5	3.4
28	5.5	9.2	9.7	9.1	29	34	24	10	4.6	3.0	3.6	3.5
29	5.4	9.6	11	9.0	---	39	e32	10	4.4	3.0	3.5	3.7
30	6.5	8.8	12	8.6	---	43	e30	9.6	4.3	3.0	3.6	3.9
31	8.6	---	17	8.5	---	46	---	9.4	---	3.0	3.6	---
TOTAL	166.2	281.9	348.1	448.3	497.1	984	1318	511.0	182.8	109.6	104.6	102.2
MEAN	5.361	9.397	11.23	14.46	17.75	31.74	43.93	16.48	6.093	3.535	3.374	3.407
MAX	8.6	28	22	33	50	61	64	26	9.3	4.2	4.4	3.9
MIN	4.8	5.8	8.2	8.5	8.0	20	24	9.4	4.3	3.0	2.5	2.8
AC-FT	330	559	690	889	986	1950	2610	1010	363	217	207	203

e Estimated

10339400 MARTIS CREEK NEAR TRUCKEE, CA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1971, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	8.05	12.0	18.5	30.6	28.0	36.5	60.2	59.5	22.6	6.40	4.90	5.51
MAX	16.4	18.0	86.5	116	83.4	78.8	148	202	96.6	18.0	10.8	10.1
(WY)	1963	1971	1965	1970	1963	1967	1969	1967	1967	1967	1967	1967
MIN	3.73	4.81	5.38	4.28	9.60	11.1	15.4	9.80	3.21	1.79	1.81	2.37
(WY)	1962	1962	1962	1962	1964	1961	1961	1961	1960	1961	1964	1960

SUMMARY STATISTICS	WATER YEARS 1959 - 1971	
ANNUAL MEAN	24.4	
HIGHEST ANNUAL MEAN	47.2	1969
LOWEST ANNUAL MEAN	6.89	1961
HIGHEST DAILY MEAN	903	Jan 31 1963
LOWEST DAILY MEAN	1.3	Jul 30 1961
ANNUAL SEVEN-DAY MINIMUM	1.4	Jul 29 1961
MAXIMUM PEAK FLOW	1880	Feb 1 1963
MAXIMUM PEAK STAGE	6.16	Feb 1 1963
ANNUAL RUNOFF (AC-FT)	17650	
10 PERCENT EXCEEDS	57	
50 PERCENT EXCEEDS	11	
90 PERCENT EXCEEDS	2.7	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2002, BY WATER YEAR (WY)

MEAN	9.110	16.31	20.57	29.60	35.53	46.81	52.31	56.10	34.59	14.20	9.918	8.923
MAX	20.8	80.0	95.5	214	149	181	139	219	169	75.0	76.0	40.2
(WY)	1983	1984	1982	1997	1986	1986	1982	1983	1983	1986	1995	1995
MIN	3.09	1.57	1.25	6.42	8.10	8.35	8.52	7.40	3.96	2.67	2.01	2.40
(WY)	1972	1978	1978	1978	1994	1974	1980	1994	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1972 - 2002	
ANNUAL TOTAL	3315.59		5053.8			
ANNUAL MEAN	9.084		13.85		27.83	
HIGHEST ANNUAL MEAN					74.5	1983
LOWEST ANNUAL MEAN					6.90	1977
HIGHEST DAILY MEAN	30	Mar 22	64	Apr 5	626	Mar 1 1986
LOWEST DAILY MEAN	0.89	Jun 27	2.5	Aug 13	0.20	Nov 9 1977
ANNUAL SEVEN-DAY MINIMUM	3.3	Aug 2	3.0	Aug 7	0.21	Nov 9 1977
MAXIMUM PEAK FLOW			70	Mar 6	663	Feb 28 1986
MAXIMUM PEAK STAGE			2.98	Mar 6	6.01	Apr 2 1974
ANNUAL RUNOFF (AC-FT)	6580		10020		20160	
10 PERCENT EXCEEDS	18		32		69	
50 PERCENT EXCEEDS	8.3		8.9		12	
90 PERCENT EXCEEDS	3.9		3.4		4.4	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
CHEMICAL DATA: Water years 1975-95.
WATER TEMPERATURE: Water years 1975 to current year.
SEDIMENT DATA: Water years 1975-95.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1974 to current year.

INSTRUMENTATION.--Digital water-temperature recorder since October 1974.

REMARKS.—Interruption in the record was due to recording equipment damage caused by vandals. Water temperature is affected by regulation from Martis Creek Lake Dam (station 10339380). Unpublished chemical-quality, water-temperature, and sediment data prior to October 1974, available at the U.S. Geological Survey office in Carson City, NV

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum recorded, 25.5°C, July 11, 12, 1993; minimum recorded, 0.0°C, February 16, 17, 1982, January 11-13, 16, 1995.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum recorded, 22.0°C, July 10, 11, 14–16; minimum recorded, 1.5°C, January 30.

CROSS-SECTION ANALYSES, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DEPTH BOTTOM AT SAMPLE LOC-ATION, (FEET) (81903)	SAM-PLING DEPTH (FEET) (00003)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)
NOV					
01...*	1445	--	.30	10.5	2.00
01...*	1446	--	.30	10.5	5.00
01...*	1447	--	.30	10.5	9.00
01...*	1448	--	.30	10.5	11.0
01...*	1449	--	.30	10.5	14.0
MAR					
01...*	1045	--	.30	3.8	2.00
01...*	1046	--	.30	3.8	6.00
01...*	1047	--	.30	3.8	10.0
01...*	1048	--	.30	3.9	14.0
01...*	1049	--	.30	3.9	18.0
AUG					
01...*	1440	1.00	.30	23.6	2.00
01...*	1442	1.30	.30	22.5	4.00
01...*	1446	1.20	.30	23.0	6.00
01...*	1448	1.35	.30	23.0	8.00
01...*	1450	.92	.30	22.5	10.0
01...*	1452	.67	.30	22.5	12.0
01...*	1454	.80	.30	22.5	14.0
01...*	1456	.82	.30	23.0	16.0
01...*	1458	.80	.30	23.0	18.0
01...*	1500	.72	.30	23.6	20.0

* Instantaneous discharge at the time of cross-sectional measurements: Nov. 1, 7.4 ft^3/s; Mar.1, 25 ft^3/s; Aug. 1, 3.3 ft^3/s.

10339400 MARTIS CREEK NEAR TRUCKEE, CA--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	11.0	10.0	4.0	3.5	3.0	3.0	3.5	2.5	4.0	3.0
2	15.5	13.5	10.5	9.5	3.5	2.0	3.0	2.5	3.5	2.5	4.5	3.5
3	15.5	13.5	10.5	9.0	3.0	2.0	2.5	2.5	3.5	2.0	4.5	3.5
4	15.5	13.5	10.5	9.0	3.0	2.5	3.0	2.0	3.5	2.5	4.5	3.5
5	15.0	13.5	10.5	9.0	3.5	2.5	3.0	2.5	3.5	2.0	5.0	4.0
6	15.0	13.5	10.0	9.0	3.5	3.0	3.0	2.0	3.5	2.5	4.5	4.0
7	14.5	13.0	10.0	8.5	3.5	3.0	2.5	2.0	3.5	2.5	4.0	3.0
8	14.5	13.0	9.5	8.0	4.0	3.0	2.5	2.0	3.5	2.5	3.5	2.5
9	14.0	12.5	9.0	8.0	4.0	3.0	3.0	2.5	3.5	2.5	3.5	2.5
10	13.5	12.0	9.0	8.0	4.0	3.0	3.0	2.5	3.5	2.5	3.5	2.5
11	13.0	12.0	8.5	8.0	4.0	3.0	3.5	2.5	3.5	2.5	3.5	2.5
12	13.0	11.5	9.0	8.0	4.0	3.0	3.5	2.5	3.5	2.5	3.5	3.0
13	13.0	11.5	8.5	8.0	4.0	3.0	3.5	2.5	3.0	2.5	4.0	3.0
14	12.5	11.0	8.5	8.0	3.5	3.0	3.5	2.5	3.5	2.5	4.0	3.5
15	12.0	11.0	8.5	8.0	3.5	3.0	3.5	2.5	3.0	2.5	4.0	3.0
16	12.5	11.0	8.5	7.5	4.0	3.0	4.0	2.5	3.5	2.5	4.0	3.0
17	12.0	11.0	8.5	7.5	3.5	3.0	4.0	2.5	3.0	2.5	4.0	3.0
18	12.0	10.5	8.0	7.5	3.5	3.0	4.0	2.5	3.5	2.5	4.0	3.0
19	11.5	10.5	7.5	7.0	4.0	3.0	3.5	2.5	3.0	2.5	4.0	3.0
20	11.5	10.5	7.5	7.0	3.5	3.0	3.5	2.5	3.0	2.5	4.0	3.0
21	11.5	10.5	7.0	6.5	3.5	3.0	3.5	2.0	3.0	2.5	4.5	3.5
22	11.5	10.5	7.0	6.5	3.5	3.0	3.5	2.0	3.0	2.5	5.0	3.5
23	11.5	10.5	6.5	6.5	3.5	3.0	3.5	2.0	3.0	2.5	5.0	4.0
24	11.0	10.0	6.5	5.0	3.5	3.0	3.5	2.0	3.0	2.5	5.0	4.0
25	---	---	5.0	4.5	3.5	3.0	3.5	2.5	3.0	2.5	5.5	4.5
26	---	---	5.0	4.0	3.5	3.0	3.0	2.0	3.5	2.5	5.5	4.5
27	11.5	10.0	4.5	4.0	3.5	3.0	3.5	2.0	3.5	2.5	5.5	4.5
28	11.5	10.0	4.5	3.5	3.5	3.0	3.0	2.0	4.0	3.0	6.0	4.5
29	11.5	10.0	4.5	3.5	3.5	3.0	3.5	2.0	---	---	5.5	4.5
30	11.0	10.0	4.0	3.5	3.5	3.0	3.5	1.5	---	---	6.5	5.5
31	11.5	10.0	---	---	---	---	3.5	2.0	---	---	9.0	5.5
MONTH	---	---	11.0	3.5	---	---	4.0	1.5	4.0	2.0	9.0	2.5
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	18.5	16.5	21.5	18.0	21.0	18.0	18.0	15.5
2	---	---	10.5	9.0	19.0	16.0	21.5	18.0	21.0	18.0	17.5	15.5
3	---	---	12.5	9.5	19.0	16.0	21.5	18.0	21.0	18.0	20.0	15.5
4	---	---	12.5	10.5	19.5	16.5	21.5	18.0	21.0	18.0	19.5	15.5
5	---	---	14.0	11.0	20.0	16.5	21.5	18.0	20.5	18.0	19.5	15.0
6	---	---	14.0	11.5	20.5	16.5	21.5	18.0	20.0	16.5	19.0	14.5
7	---	---	14.0	12.0	20.0	17.0	21.5	18.0	20.0	16.5	18.5	13.5
8	---	---	14.0	12.0	20.0	16.5	21.5	18.0	20.0	16.0	18.0	---
9	---	---	14.5	12.0	19.0	16.5	21.5	18.0	20.0	16.0	18.0	13.5
10	---	---	13.5	12.5	18.5	16.0	22.0	18.0	20.0	16.5	18.0	13.5
11	---	---	13.5	12.0	19.0	15.5	22.0	18.5	20.0	16.5	18.0	13.5
12	---	---	14.5	11.5	19.0	15.5	21.0	19.0	20.5	16.5	18.0	13.5
13	---	---	15.5	12.5	19.5	16.0	21.5	18.5	21.0	16.0	18.0	14.0
14	---	---	15.5	13.0	20.0	16.0	22.0	18.5	20.0	16.5	17.5	14.0
15	---	---	15.5	13.0	20.0	16.0	22.0	18.5	20.0	17.0	18.0	14.5
16	---	---	16.0	13.5	20.0	16.5	22.0	18.5	20.0	17.0	18.0	14.0
17	---	---	17.0	14.0	20.0	16.5	21.0	18.5	19.5	16.5	17.5	14.0
18	---	---	17.5	14.5	20.5	17.0	20.0	18.5	19.5	16.0	18.5	13.5
19	---	---	17.0	14.5	20.5	17.0	21.0	18.5	19.5	16.0	17.0	13.5
20	---	---	15.0	13.5	20.5	17.5	21.0	18.0	19.0	16.0	17.0	13.5
21	---	---	14.5	13.0	20.5	17.5	21.0	18.5	19.0	16.0	17.0	13.5
22	---	---	14.5	12.5	20.5	17.5	21.0	18.0	18.5	16.0	17.0	13.5
23	---	---	14.5	12.5	21.0	17.5	21.0	18.0	18.5	15.5	17.0	13.5
24	---	---	15.0	12.5	21.0	17.5	21.0	18.0	18.0	15.5	17.0	13.5
25	---	---	16.0	13.0	21.0	17.5	21.0	17.5	18.0	15.5	16.5	13.0
26	---	---	16.5	13.5	21.0	18.0	20.5	17.5	18.0	15.5	16.5	13.0
27	---	---	17.0	14.0	21.0	17.5	21.0	17.5	18.0	15.5	16.5	13.5
28	---	---	17.5	14.5	21.0	18.0	21.0	17.5	18.0	15.5	16.0	13.5
29	---	---	18.0	15.0	21.0	18.0	21.0	17.5	18.0	15.5	16.0	13.0
30	---	---	18.5	15.5	21.0	18.0	20.5	18.0	17.5	15.5	15.5	13.0
31	---	---	19.0	16.0	---	---	21.0	18.0	18.0	15.5	---	---
MONTH	---	---	---	---	21.0	15.5	22.0	17.5	21.0	15.5	20.0	---

PYRAMID AND WINNEMUCCA LAKES BASIN

10340300 PROSSER CREEK RESERVOIR NEAR TRUCKEE, CA

LOCATION.--Lat 39°22'46", long 120°08'12", in NW $^1/_4$ SW $^1/_4$ sec.30, T.18 N., R.17 E., Nevada County, Hydrologic Unit 16050102, in control house on Prosser Creek Dam on Prosser Creek, 1.4 mi upstream from mouth, and 4.2 mi northeast of Truckee.

DRAINAGE AREA.--50.3 mi^2.

PERIOD OF RECORD.--January 1963 to current year. January 1963 to September 1987 (monthend elevations and contents only). Prior to October 1976, published as "near Boca."

REVISED RECORDS.--WDR CA-76-3: 1975. WDR CA-79-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Bureau of Reclamation).

REMARKS.--Records good. Reservoir is formed by rolled-earth and rockfill dam. Storage began January 30, 1963. Usable capacity, 28,641 acre-ft between elevations 5,660.6 ft, top of inactive contents, and 5,741.2 ft, crest of spillway. Inactive contents, 1,201 acre-ft, includes 83 acre-ft dead contents below elevation 5,637.0 ft. Figures given represent total contents at 0800 hours. Reservoir is used for flood control, enhancement of fishery, and recreation. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES (at 0800) FOR PERIOD OF RECORD.--Maximum contents, 33,719 acre-ft, May 19, 1996, elevation, 5,746.11 ft; minimum since reservoir first filled, 66 acre-ft, October 10-12, 1983, elevation, 5,635.75 ft.

EXTREMES (at 0800 hours) FOR CURRENT YEAR.—Maximum contents, 22,600 acre-ft, June 20, 21, maximum elevation, 5,730.55 ft, June 20; minimum, 8,050 acre-ft, December 21, elevation, 5,698.09 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by U.S. Bureau of Reclamation, dated August 1962)

5,630	17	5,670	2,230	5,700	8,636	5,730	22,220
5,640	143	5,680	3,791	5,710	12,147	5,740	28,949
5,650	491	5,690	5,901	5,720	16,643	5,750	37,046
5,660	1,148						

RESERVOIR STORAGE (ACRE-FEET) , WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8180	8200	e8740	8300	8300	8730	e9930	13900	20000	22400	20100	17400
2	8180	8210	e8790	8360	8300	8700	9910	13900	20200	22400	20000	17200
3	8170	8220	e8820	8440	8310	8680	9910	14000	20400	22400	19900	17100
4	8160	8220	e8860	8490	8310	8640	10000	14100	20500	22400	19800	16900
5	8150	8230	8870	8550	8310	8560	10200	14400	20700	22300	19700	16800
6	8140	8240	8890	8630	8320	8500	10400	14600	20900	22300	e19600	16600
7	8120	8230	8910	8830	8320	8560	10400	14900	21100	22200	19500	16500
8	8120	8230	8920	8990	8340	8550	10500	e15200	21300	22200	19500	16400
9	8110	8240	8940	9100	8350	8480	10500	15400	21400	22100	19400	16200
10	8100	8230	8950	9180	8360	8430	10700	15600	21400	22000	19300	16100
11	8100	8260	8850	9180	8370	8350	10800	15700	21500	22000	19300	15900
12	8100	8270	8740	9160	8380	8370	11000	e15900	21600	21900	19200	15800
13	8110	8290	8640	9130	8390	8450	11200	16000	21800	21800	19100	15700
14	8110	8310	e8520	9100	8410	8510	11500	16300	22000	21800	19100	15500
15	8110	8320	e8410	9060	8420	8600	11900	16500	22100	21700	19000	15400
16	8110	8330	e8310	9020	8440	8720	12200	16800	22300	21600	18900	15200
17	8110	8310	e8210	8980	8470	8830	12200	17100	22400	21500	18900	15100
18	8110	8280	8180	8920	8480	8930	12200	17400	22400	21400	18800	15000
19	8120	8260	8120	8870	8500	9030	12300	17700	22500	21300	18700	14800
20	8120	8230	8100	8820	8580	9140	12400	18000	22600	21300	18700	14700
21	8120	8210	8050	8770	8710	9260	12500	18200	22600	21200	18600	14500
22	e8130	8330	8060	8730	8710	9390	12600	18200	22500	21100	18500	14400
23	8120	8460	8080	8670	8740	9510	12800	18300	22500	21000	18500	14300
24	8130	8490	8080	8610	8760	9570	13000	18400	22500	20900	18400	14100
25	8130	8650	8080	8550	8760	e9610	13200	18400	22400	20800	18300	13900
26	8140	8680	8090	8500	8750	9640	13400	18600	22400	20700	18100	13800
27	8140	8690	8100	8460	8740	9680	13500	18700	22400	20600	18000	13700
28	8140	8700	8120	8400	8740	9720	13600	18900	22400	20500	17900	13600
29	8150	e8740	8140	8350	---	9760	13700	19100	22400	20400	e17800	13400
30	8150	e8740	8170	8280	---	9850	13800	19400	22400	20300	17600	13300
31	8180	---	8220	8290	---	9880	---	19700	---	20200	17500	---
MEAN	8131	8360	8450	8733	8485	8988	11742	16752	21787	21506	18894	15310
MAX	8180	8740	8950	9180	8760	9880	13800	19700	22600	22400	20100	17400
MIN	8100	8200	8050	8280	8300	8350	9910	13900	20000	20200	17500	13300
a	5698.53		5698.67	5698.89	5700.34	5703.88	5714.04	5725.74	5730.35	5726.64	5721.71	5712.77
b	-20	+560	-520	+70	+450	+1140	+3920	+5900	+2700	-2200	-2700	-4200

CAL YR 2001 MEAN 9892 MAX 12500 MIN 8050 b -1690
WTR YR 2002 MEAN 13119 MAX 22600 MIN 8050 b +5100

e Estimated
a Gage height, in feet, at end of month.
b Change in contents, in acre-feet.

10340500 PROSSER CREEK BELOW PROSSER CREEK DAM, NEAR TRUCKEE, CA

LOCATION.—Lat 39°22'24", long 120°07'50", in NW $^1/_4$ NE $^1/_4$ sec.31, T.18 N., R.17 E., Nevada County, Hydrologic Unit 16050102, on left bank, 300 ft downstream from Station Creek, 0.5 mi downstream from Prosser Creek Dam, 0.9 mi upstream from mouth, and 4.2 mi northeast of Truckee.

DRAINAGE AREA.—52.9 mi^2.

PERIOD OF RECORD.—October 1902 to June 1903 (gage heights only), October 1942 to December 1950, June 1951 to current year. Prior to October 1976, published as "near Boca." Monthly discharge only for October 1942 to December 1950 published in WSP 1734; daily discharge in files of U.S. Geological Survey. Records for April 1889 to November 1890, published in the 11th and 12th Annual Reports, Part 2, have been found to be unreliable and should not be used.
WATER TEMPERATURE: Water years 1993–98.

REVISED RECORDS.—WDR CA-79-3: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 5,602.31 ft above NGVD of 1929 (levels by U.S. Bureau of Reclamation). See WSP 2127 for history of changes prior to September 1956. October 1956 to May 1976, water-stage recorder at site 0.8 mi downstream at datum 29.69 ft lower.

REMARKS.—Records good. Flow regulated by Prosser Creek Reservoir (station 10340300) since January 30, 1963. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Water years 1943–63, prior to construction of Prosser Creek Dam, maximum discharge, 4,560 ft^3/s, December 23, 1955, gage height, 10.13 ft, present datum, from rating curve extended above 910 ft^3/s on basis of slope-area measurement of peak flow; maximum gage height, 11.0 ft from floodmarks, present datum, November 20, 1950; minimum discharge, 0.4 ft^3/s, July 18, 1961, result of work on dam upstream. Maximum discharge since construction of Prosser Creek Dam in 1963, 2,030 ft^3/s, January 3, 1997, gage height, 6.72 ft, from rating curve extended above 880 ft^3/s on basis of valve setting at Prosser Creek Dam; minimum daily, 0.02 ft^3/s, January 2, 1975, result of temporary closing of Prosser Creek Dam for spillway maintenance.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	4.9	19	20	23	66	173	95	87	54	54	69
2	9.3	4.9	21	21	23	66	197	80	87	55	54	69
3	9.2	4.9	19	21	23	66	197	80	88	55	53	68
4	9.1	5.0	19	20	23	78	198	80	89	54	53	68
5	9.2	6.3	20	21	23	94	198	81	89	54	53	68
6	9.2	7.1	20	21	23	96	198	81	89	54	43	68
7	9.2	7.3	20	21	23	94	199	81	89	54	34	68
8	9.0	7.3	19	21	23	95	199	81	89	54	34	68
9	7.7	7.3	19	20	23	94	183	81	89	54	34	69
10	5.5	7.2	45	38	23	93	170	81	72	55	34	69
11	4.5	7.5	65	51	23	72	171	82	45	55	34	71
12	4.6	7.5	64	50	23	52	171	82	33	54	33	71
13	4.8	7.4	64	50	23	51	172	82	33	54	33	70
14	4.7	7.4	63	49	23	33	172	82	33	54	33	70
15	4.6	7.2	63	50	23	13	172	83	33	53	33	70
16	4.5	14	63	50	23	11	172	83	33	54	33	70
17	4.5	19	50	49	23	11	158	83	51	53	33	69
18	4.6	19	39	49	23	11	125	83	64	54	32	69
19	4.6	19	39	49	23	11	74	84	64	54	32	69
20	4.8	19	39	49	25	11	61	84	81	54	32	69
21	4.9	19	28	49	51	15	61	84	93	54	32	69
22	5.0	20	19	49	67	31	61	84	93	54	32	69
23	5.0	19	19	49	67	47	61	85	93	54	32	69
24	4.8	20	19	49	67	55	72	85	85	54	47	69
25	4.6	19	19	49	67	55	93	85	76	54	58	68
26	4.6	19	19	49	67	55	103	85	71	53	58	68
27	4.5	19	19	48	67	67	104	85	71	53	58	68
28	4.6	19	20	48	66	88	104	86	65	54	57	67
29	4.8	19	20	48	---	98	105	87	55	54	57	67
30	5.0	19	20	35	---	124	104	87	55	54	64	67
31	4.9	---	20	23	---	145	---	87	---	54	69	---
TOTAL	185.7	381.2	992	1216	981	1898	4228	2589	2095	1674	1338	2063
MEAN	5.990	12.71	32.00	39.23	35.04	61.23	140.9	83.52	69.83	54.00	43.16	68.77
MAX	9.4	20	65	51	67	145	199	95	93	55	69	71
MIN	4.5	4.9	19	20	23	11	61	80	33	53	32	67
AC-FT	368	756	1970	2410	1950	3760	8390	5140	4160	3320	2650	4090

10340500 PROSSER CREEK BELOW PROSSER CREEK DAM, NEAR TRUCKEE, CA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1962, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	13.1	34.5	47.9	36.1	45.1	75.4	203	261	157	48.5	12.1	8.45
MAX	22.4	268	321	155	89.7	175	406	669	395	176	44.5	19.6
(WY)	1946	1951	1956	1956	1943	1943	1952	1952	1952	1952	1952	1952
MIN	6.63	8.62	9.81	10.0	11.0	20.0	94.5	106	55.9	10.0	3.79	3.90
(WY)	1961	1960	1960	1948	1948	1948	1955	1959	1947	1961	1961	1947

SUMMARY STATISTICS	WATER YEARS 1943 - 1962	
ANNUAL MEAN	76.8	
HIGHEST ANNUAL MEAN	162	1952
LOWEST ANNUAL MEAN	38.1	1961
HIGHEST DAILY MEAN	3490	Dec 23 1955
LOWEST DAILY MEAN	2.7	Aug 24 1961
ANNUAL SEVEN-DAY MINIMUM	3.1	Aug 19 1947
MAXIMUM PEAK FLOW	4560	Dec 23 1955
MAXIMUM PEAK STAGE	11.00	Nov 20 1950
ANNUAL RUNOFF (AC-FT)	55620	
10 PERCENT EXCEEDS	212	
50 PERCENT EXCEEDS	27	
90 PERCENT EXCEEDS	7.0	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2002, BY WATER YEAR (WY)

MEAN	90.15	39.14	54.85	76.98	73.33	115.8	123.9	207.7	108.6	59.01	48.99	106.3
MAX	282	214	361	564	397	371	372	545	494	167	151	477
(WY)	1983	1982	1965	1997	1986	1986	1969	1983	1983	1985	1995	1983
MIN	5.41	6.84	5.32	7.96	17.5	27.1	21.7	17.2	8.39	6.33	2.55	1.96
(WY)	1989	1989	1989	1989	1991	1977	1977	1985	1966	1966	1994	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1964 - 2002	
ANNUAL TOTAL	12391.2		19640.9			
ANNUAL MEAN	33.95		53.81		92.18	
HIGHEST ANNUAL MEAN					214	1983
LOWEST ANNUAL MEAN					24.4	1977
HIGHEST DAILY MEAN	164	Mar 27	199	Apr 7	1790	Feb 21 1986
LOWEST DAILY MEAN	4.5	Oct 11	4.5	Oct 11	0.02	Jan 2 1975
ANNUAL SEVEN-DAY MINIMUM	4.6	Oct 11	4.6	Oct 11	0.30	Apr 13 1977
MAXIMUM PEAK FLOW			204	Apr 6	2030	Jan 3 1997
MAXIMUM PEAK STAGE			3.70	Apr 6	6.72	Jan 3 1997
ANNUAL RUNOFF (AC-FT)	24580		38960		66780	
10 PERCENT EXCEEDS	88		93		209	
50 PERCENT EXCEEDS	23		53		49	
90 PERCENT EXCEEDS	7.5		7.5		9.5	

10342900 INDEPENDENCE LAKE NEAR TRUCKEE, CA

LOCATION.--Lat 39°27'07", long 120°17'23", in NW $^1/_4$ SW $^1/_4$ sec.35, T.19 N., R.15 E., Sierra County, Hydrologic Unit 16050102, on right bank, of outlet channel, 60 ft upstream from outlet gates, and 10.5 mi northwest of Truckee.

DRAINAGE AREA.--7.51 mi^2.

PERIOD OF RECORD.--November 1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Sierra Pacific Power Co.).

REMARKS.--Lake levels regulated by an earthfill dam at the outlet constructed in 1939. Usable capacity, 17,300 acre-ft between elevations 6,921.0 ft, invert of outlet gate and 6,949.0 ft, normal maximum storage level. Water is used for irrigation and power development downstream. Records, including extremes, represent usable contents. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum contents, 18,300 acre-ft, June 5, 2002, elevation, 6,950.38 ft; minimum, 4,750 acre-ft, November 10, 11, 1988, elevation, 6,929.39 ft.

EXTREMES FOR CURRENT YEAR.—Maximum contents, 18,300 acre-ft, June 5, elevation, 6,950.38 ft; minimum, 14,700 acre-ft, November 20, elevation, 6945.29 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by Sierra Pacific Power Co., dated November 5, 1941)

6,921	0	6,930	5,110	6,940	11,240	6,950	18,000
6,925	2,220	6,935	8,110	6,945	14,530		

RESERVOIR STORAGE (ACRE-FEET) , WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15400	14900	15200	15700	16100	16300	17000	17000	18100	18200	17900	17500
2	15300	14900	15400	15700	16100	16300	17000	17000	18200	18200	17900	17500
3	15300	14800	15400	15800	16100	16300	17100	17000	18200	18100	17900	17500
4	15200	14800	15400	15800	16100	16300	17200	17000	18200	18100	17800	17400
5	15200	14800	15500	15800	16100	16400	17300	17100	18300	18100	17800	17400
6	15100	14800	15500	15900	16100	16500	17300	17100	18200	18100	17800	17300
7	15100	14800	15500	15900	16100	16600	17300	17100	18200	18000	17800	17300
8	15000	14800	15500	15900	16100	16600	17300	17200	18100	18000	17800	17300
9	15100	14800	15400	15900	16100	16600	17300	17200	18100	18100	17800	17300
10	15100	14800	15400	15900	16100	16600	17300	17200	18000	18100	17800	17300
11	15000	14800	15400	15900	16100	16600	17300	17200	18000	18100	17800	17300
12	15000	14800	15400	15900	16100	16600	17300	17200	18000	18000	17800	17300
13	15000	14800	15500	15900	16100	16700	17300	17300	17900	18000	17700	17200
14	15000	14800	15500	15900	16100	16700	17400	17300	18000	18000	17700	17100
15	15000	14800	15500	15900	16100	16700	17400	17300	18000	18000	17700	17000
16	e15000	14800	15500	15900	16100	16700	17300	17400	18000	18000	17700	17000
17	e15000	14800	15600	15900	16200	16700	17300	17400	18000	18000	17700	16900
18	e15000	14800	15600	15900	16200	16700	17300	17500	18000	18000	17700	16800
19	15000	14800	15600	15900	16200	16700	17300	17500	18000	18000	17600	16700
20	15000	14700	15600	15900	16200	16700	17200	e17400	18100	18000	17600	16600
21	14900	14900	15600	15900	16200	16800	17100	e17400	18100	18000	17600	16600
22	14900	14900	15600	15900	16300	16800	17100	e17400	18100	18000	17600	16400
23	14900	14900	15600	15900	16300	16800	17100	17400	18200	18000	17600	16300
24	14900	15100	15600	15900	16300	16800	17000	17300	18200	18000	17600	16100
25	14900	15100	15600	15900	16300	16900	17100	17300	18200	18000	17500	16000
26	14900	15100	15600	16100	16300	16900	17100	17400	18200	18000	17500	15900
27	14900	15100	15600	16100	16300	16900	17100	17500	18200	18000	17500	15800
28	14800	15100	15700	16100	16300	16900	17000	17500	18200	17900	17500	15700
29	14800	15100	15700	16100	---	16900	17100	17700	18200	17900	17500	15500
30	14900	15100	15700	16100	---	16900	17000	17800	18200	17900	17500	15400
31	14900	---	15700	16100	---	16900	---	18000	---	17900	17500	---
MAX	15400	15100	15700	16100	16300	16900	17400	18000	18300	18200	17900	17500
MIN	14800	14700	15200	15700	16100	16300	17000	17000	17900	17900	17500	15400
a	6945.50	6945.84	6946.70	6947.24	6947.61	6948.47	6948.61	6949.96	6950.27	6949.88	6949.28	6946.26
b	+100	+200	+600	+400	+200	+600	+100	+1000	+200	-300	-400	-2100

CAL YR 2001 MAX 17500 MIN 13400 b +2300
WTR YR 2002 MAX 18300 MIN 14700 b +600

e Estimated
a Elevation, in feet, at end of month.
b Change in contents, in acre-feet.

10343000 INDEPENDENCE CREEK NEAR TRUCKEE, CA

LOCATION.--Lat 39°27'24", long 120°17'10", in SW $^1/_4$ NW $^1/_4$ sec.35, T.19 N., R.15 E., Sierra County, Hydrologic Unit 16050102, on left bank, 0.4 mi downstream from Independence Lake outlet, and 10.5 mi northwest of Truckee.

DRAINAGE AREA.--8.10 mi^2.

PERIOD OF RECORD.--November 1902 to September 1907, November 1909 to June 1910, August 1968 to current year.

REVISED RECORDS.--WDR CA-79-3: Drainage area.

GAGE.- - Water-stage recorder. Elevation of gage is 6,920 ft above NGVD of 1929, from topographic map. July 1, 1904, to June 30, 1910, nonrecording gage 75 ft downstream from Independence Lake outlet; prior to July 1, 1904, nonrecording gage 600 ft downstream at approximately same datum.

REMARKS.--Records good. Flow regulated by Independence Lake (station 10342900) since 1939. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 325 ft^3/s, January 3, 1997, gage height, 6.17 ft; maximum gage height, 8.16 ft, April 16, 1993, backwater from snow and ice; no flow September 28 to November 10, 1905, June 1, 1906.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	4.4	4.0	4.2	4.2	4.2	5.5	41	28	e15	2.9	1.7
2	21	4.4	e4.2	4.2	4.3	4.2	5.6	40	28	e15	2.6	e1.6
3	21	4.4	4.2	4.2	4.3	4.2	13	40	44	e14	2.7	e1.5
4	21	4.4	e4.0	4.2	4.2	4.2	20	41	59	14	2.8	e2.7
5	20	4.4	e4.0	4.4	4.2	4.2	21	42	74	12	2.7	3.5
6	21	4.4	4.0	4.4	4.2	4.3	33	43	83	11	2.7	3.4
7	21	4.2	4.0	4.4	4.3	4.3	43	45	81	10	2.6	3.3
8	12	4.2	4.1	4.4	4.2	4.2	44	46	78	7.3	2.1	3.2
9	3.5	4.2	4.2	4.4	4.2	4.2	51	47	74	4.2	2.2	3.1
10	3.2	4.2	4.2	4.4	4.4	4.3	58	48	69	3.5	2.2	5.0
11	3.1	4.2	4.2	4.4	4.4	4.3	61	47	66	3.3	2.1	8.6
12	3.1	4.3	4.2	4.4	4.4	4.4	61	47	63	3.2	2.2	17
13	3.1	4.2	4.2	4.4	4.4	4.4	62	48	49	3.3	2.5	31
14	3.1	4.2	4.3	4.4	4.4	4.4	67	50	34	3.1	2.6	40
15	3.1	4.2	4.2	4.4	4.4	4.4	77	54	34	3.0	2.7	39
16	3.1	4.1	4.2	4.3	4.4	4.4	74	58	34	3.1	2.5	39
17	3.0	4.0	4.2	4.3	4.4	4.4	71	62	33	3.1	2.7	39
18	2.9	4.0	4.2	4.3	4.4	4.4	66	69	25	2.7	2.8	38
19	2.8	4.0	4.1	4.2	4.4	4.4	60	72	14	2.2	2.5	38
20	2.8	4.0	4.2	4.2	4.4	4.4	55	72	5.6	2.2	2.2	39
21	2.6	4.0	4.2	4.3	4.4	4.7	51	69	5.3	2.0	2.1	51
22	2.3	4.1	4.3	4.2	4.4	5.0	49	65	5.0	1.8	2.4	61
23	2.2	4.0	4.2	4.2	4.4	5.0	48	62	5.0	2.0	2.5	62
24	3.3	4.1	4.2	4.2	4.4	5.0	47	60	4.7	1.6	2.1	61
25	4.4	4.0	4.2	4.2	4.3	5.0	46	41	4.4	2.4	1.7	61
26	4.4	4.0	4.2	4.4	4.2	5.0	47	27	11	2.8	2.2	61
27	4.4	4.0	4.2	4.3	4.2	5.2	44	27	18	2.4	2.4	61
28	4.4	4.0	4.2	4.4	4.2	5.2	42	27	17	2.0	2.3	60
29	4.4	4.0	4.2	4.4	---	5.2	43	27	17	1.9	2.0	60
30	4.4	4.0	4.2	4.4	---	5.2	42	28	16	2.2	1.7	60
31	4.4	---	4.2	4.3	---	5.3	---	29	---	3.0	1.7	---
TOTAL	235.0	124.6	129.2	133.8	121.0	142.0	1407.1	1474	1079.0	159.3	73.4	955.6
MEAN	7.581	4.153	4.168	4.316	4.321	4.581	46.90	47.55	35.97	5.139	2.368	31.85
MAX	21	4.4	4.3	4.4	4.4	5.3	77	72	83	15	2.9	62
MIN	2.2	4.0	4.0	4.2	4.2	4.2	5.5	27	4.4	1.6	1.7	1.5
AC-FT	466	247	256	265	240	282	2790	2920	2140	316	146	1900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2002, BY WATER YEAR (WY)

MEAN	15.20	20.32	11.90	12.96	11.64	14.89	20.56	43.57	54.62	25.89	19.14	21.21
MAX	45.8	97.6	58.2	161	58.0	94.5	72.9	112	188	89.2	114	133
(WY)	1976	1984	1982	1997	1986	1996	1986	1982	1983	1983	1988	1973
MIN	0.47	1.36	0.70	1.04	1.07	1.45	1.50	1.51	2.09	1.78	2.05	0.58
(WY)	1980	1989	1993	1993	1974	1977	1977	1977	1977	1977	1976	1979

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1968 - 2002	
ANNUAL TOTAL	2585.6		6034.0			
ANNUAL MEAN	7.084		16.53		22.64	
HIGHEST ANNUAL MEAN					46.7	1983
LOWEST ANNUAL MEAN					7.07	2001
HIGHEST DAILY MEAN	26	May 19	83	Jun 6	295	Jan 4 1997
LOWEST DAILY MEAN	1.9	Jul 24	1.5	Sep 3	0.02	Sep 26 1973
ANNUAL SEVEN-DAY MINIMUM	2.3	Jul 18	1.8	Aug 28	0.02	Sep 26 1973
MAXIMUM PEAK FLOW			85	Jun 5	325	Jan 3 1997
MAXIMUM PEAK STAGE			3.68	Jun 5	8.16	Apr 16 1993
ANNUAL RUNOFF (AC-FT)	5130		11970		16400	
10 PERCENT EXCEEDS	21		58		61	
50 PERCENT EXCEEDS	4.7		4.4		11	
90 PERCENT EXCEEDS	3.2		2.6		2.2	

e Estimated

PYRAMID AND WINNEMUCCA LAKES

10343500 SAGEHEN CREEK NEAR TRUCKEE, CA

(Hydrologic Benchmark Station)

LOCATION.--Lat 39°25'54", long 120°14'13", in NE $^1/_4$ NE $^1/_4$ sec.7, T.18 N., R.16 E., Nevada County, Hydrologic Unit 16050102, on left bank, 2.2 mi upstream from bridge on State Highway 89, and 7.5 mi north of Truckee.

DRAINAGE AREA.--10.5 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1953 to current year.
PRECIPITATION DATA: October 1990 to September 1996.

REVISED RECORDS.--WDR CA-79-3: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,320 ft above NGVD of 1929, from topographic map. Prior to December 2, 1953, nonrecording gage at site 100 ft upstream at different datum.

REMARKS.--Records good including estimated daily discharge. No storage or diversion upstream from station. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 1,230 ft^3/s, January 1, 1997, gage height, 5.20 ft, from poor high-water mark on gage house. Rating curve extended above 160 ft^3/s on basis of slope-area measurement at gage height 4.28 ft; minimum daily, 1.0 ft^3/s, September 13, 1960.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 50 ft^3/s and maximum(*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 14	1730	68	2.80				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	2.1	3.0	4.6	2.9	5.2	15	17	14	3.2	1.8	1.6
2	1.8	2.1	3.5	5.7	2.9	e5.3	17	18	12	3.1	1.8	1.5
3	1.8	2.1	4.0	6.1	2.9	e5.1	21	20	12	2.9	1.8	1.5
4	1.8	2.0	3.4	4.8	2.9	4.7	24	22	11	2.9	1.8	1.5
5	1.8	2.0	3.3	4.7	2.9	4.8	28	24	11	2.8	1.7	1.5
6	1.8	2.0	3.3	10	2.9	9.3	26	25	11	2.8	1.8	1.6
7	1.8	2.0	3.5	8.0	3.0	8.3	25	26	10	2.7	1.8	1.7
8	1.8	2.1	3.3	6.6	3.0	6.7	27	24	9.8	2.6	1.7	1.7
9	1.8	2.1	3.3	5.8	e3.0	5.9	28	23	9.1	2.6	1.7	1.7
10	1.8	2.1	3.3	5.2	e2.9	5.6	30	22	8.4	2.5	1.6	1.6
11	1.9	3.7	3.1	4.9	2.9	5.7	30	20	7.8	2.4	1.6	1.6
12	1.8	3.4	3.1	4.6	2.9	6.4	32	20	7.3	2.4	1.6	1.6
13	1.9	2.9	3.1	4.5	3.0	6.0	33	20	7.0	2.4	1.6	1.6
14	1.9	2.6	3.2	4.3	3.0	5.5	44	21	6.6	2.3	1.6	1.5
15	1.9	2.4	3.0	e4.2	3.0	e5.4	38	21	6.2	2.2	1.6	1.5
16	1.8	2.4	3.0	e4.1	3.0	5.3	27	20	5.8	2.2	1.6	1.6
17	1.8	2.3	3.1	3.8	3.1	4.9	23	20	5.6	2.2	1.6	1.6
18	1.8	2.3	3.0	e3.7	3.1	e4.9	19	21	5.5	2.4	1.5	1.6
19	1.9	2.3	3.0	3.5	3.6	4.9	17	19	5.4	2.4	1.5	1.6
20	1.9	2.3	3.1	3.6	6.4	5.1	16	21	5.2	2.3	1.6	1.6
21	1.9	5.2	3.0	3.3	5.9	5.8	17	18	4.9	2.2	1.6	1.6
22	1.9	11	3.0	e3.2	6.0	6.7	18	16	4.7	2.0	1.6	1.5
23	1.9	4.1	3.0	3.2	6.8	6.6	20	15	4.5	2.0	1.6	1.5
24	1.9	12	3.0	3.1	5.8	5.8	21	14	4.3	1.9	1.6	1.5
25	1.9	5.4	3.0	3.1	5.5	5.6	23	14	4.1	1.9	1.6	1.5
26	1.9	3.8	3.0	3.1	5.5	5.8	24	13	4.0	1.9	1.6	1.6
27	1.9	3.3	3.0	3.2	5.5	6.7	21	13	3.8	1.9	1.6	1.6
28	1.9	3.1	3.3	e3.1	5.4	8.2	19	13	3.7	1.8	1.6	1.6
29	1.9	3.1	3.5	3.1	---	10	22	13	3.5	1.8	1.6	1.6
30	2.9	2.9	3.7	3.0	---	12	19	13	3.4	1.8	1.6	1.7
31	2.4	---	5.6	2.9	---	13	---	14	---	1.8	1.6	---
TOTAL	59.0	101.1	101.7	137.0	109.7	201.2	724	580	211.6	72.3	50.9	47.4
MEAN	1.903	3.370	3.281	4.419	3.918	6.490	24.13	18.71	7.053	2.332	1.642	1.580
MAX	2.9	12	5.6	10	6.8	13	44	26	14	3.2	1.8	1.7
MIN	1.8	2.0	3.0	2.9	2.9	4.7	15	13	3.4	1.8	1.5	1.5
AC-FT	117	201	202	272	218	399	1440	1150	420	143	101	94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3.448	5.067	7.088	8.529	8.131	10.67	24.50	43.42	25.19	7.209	3.127	2.734
MAX	11.9	27.7	44.0	87.3	51.0	50.1	51.6	117	142	37.4	11.8	7.56
(WY)	1963	1984	1965	1997	1963	1986	1986	1969	1983	1983	1983	1983
MIN	1.46	1.83	2.03	1.81	2.54	2.74	6.13	3.45	1.82	1.36	1.20	1.11
(WY)	1995	1993	1977	1962	1994	1962	1975	1988	1992	1994	1994	1960

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1954 - 2002	
ANNUAL TOTAL	1436.7		2395.9			
ANNUAL MEAN	3.936		6.564		12.44	
HIGHEST ANNUAL MEAN					30.0	1983
LOWEST ANNUAL MEAN					2.65	1977
HIGHEST DAILY MEAN	16	Apr 26	44	Apr 14	800	Jan 1 1997
LOWEST DAILY MEAN	1.6	Jul 27	1.5	Aug 18	1.0	Sep 13 1960
ANNUAL SEVEN-DAY MINIMUM	1.6	Aug 3	1.5	Aug 30	1.1	Sep 9 1960
MAXIMUM PEAK FLOW			68	Apr 14	1230	Jan 1 1997
MAXIMUM PEAK STAGE			2.80	Apr 14	5.20	Jan 1 1997
ANNUAL RUNOFF (AC-FT)	2850		4750		9010	
10 PERCENT EXCEEDS	9.4		20		32	
50 PERCENT EXCEEDS	3.0		3.1		4.5	
90 PERCENT EXCEEDS	1.7		1.6		1.9	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.—
CHEMICAL DATA: Water years 1968–72, 1986–96.
SPECIFIC CONDUCTANCE: November 2000 to current year.
WATER TEMPERATURE: Water years 1970–1974, November 2000 to current year.
SEDIMENT DATA: Water years 1968–75, 1981–96.

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: November 2000 to current year.
WATER TEMPERATURE: October 1970 to September 1974, November 2000 to current year.

INSTRUMENTATION.—Water-temperature and specific conductance recorder since November 2000.

REMARKS.—Specific conductance records rated fair. Temperature records are excellent.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 212 microsiemens, August 6, 2002; minimum recorded, 46 microsiemens, April 14, 2002.
WATER TEMPERATURE: Maximum recorded, 20.5°C, June 28, 30, 1973; minimum recorded, –0.5°C, many days in November 2000 through March 2001.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 212 microsiemens, August 6; minimum recorded, 46 microsiemens, April 14.
WATER TEMPERATURE: Maximum recorded, 20.0°C, July 10, 14; minimum recorded, 0.0°C, many days October–March.

SPECIFIC CONDUCTANCE, (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	138	134	136	133	115	108	103	100	115	112	93	91
2	138	135	135	132	112	94	103	84	116	112	95	92
3	138	136	135	132	109	102	97	86	116	113	96	93
4	138	136	134	131	112	109	101	97	117	113	95	93
5	138	135	134	131	112	108	102	92	117	113	95	91
6	138	135	133	130	113	109	92	76	116	113	92	73
7	138	135	133	130	112	109	85	80	115	109	82	77
8	137	134	133	130	112	110	90	85	115	110	85	82
9	137	135	133	129	113	111	93	90	117	114	87	85
10	137	134	132	129	114	112	95	93	117	113	89	84
11	137	133	131	121	115	113	97	95	116	113	89	84
12	137	134	127	116	115	114	98	97	115	113	86	82
13	136	134	126	119	115	110	100	98	115	111	86	83
14	136	133	128	124	115	108	101	99	114	112	90	86
15	136	133	129	126	117	113	103	100	114	111	92	86
16	136	133	129	126	117	113	105	102	113	111	92	89
17	136	133	130	127	115	109	106	102	113	110	92	90
18	136	134	130	127	115	114	109	104	113	110	96	89
19	137	133	130	126	116	114	109	105	113	96	94	89
20	136	133	130	126	115	112	110	105	96	89	92	89
21	136	133	129	88	116	115	109	104	94	91	90	84
22	136	133	98	78	116	111	111	107	94	88	86	82
23	136	133	110	98	116	114	114	109	90	86	86	81
24	136	133	111	68	117	115	114	108	91	89	88	86
25	135	132	100	83	117	114	112	109	92	91	89	86
26	135	132	108	100	116	114	111	106	92	90	89	85
27	136	131	112	108	116	113	112	108	91	90	86	81
28	135	132	113	109	115	109	115	110	92	90	82	76
29	135	132	114	108	112	109	116	111	---	---	79	73
30	144	134	116	114	110	98	116	111	---	---	75	71
31	137	134	---	---	100	91	116	111	---	---	72	68
MONTH	144	131	136	68	117	91	116	76	117	86	96	68

SPECIFIC CONDUCTANCE, (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	70	65	58	56	58	55	105	99	143	135	153	150
2	68	62	58	55	60	56	106	101	182	141	153	150
3	65	60	56	53	61	58	108	102	165	145	153	150
4	63	57	56	51	62	60	110	104	180	149	152	150
5	59	55	54	50	63	60	111	106	200	150	152	149
6	58	56	55	49	62	60	113	107	212	150	152	149
7	58	55	53	50	63	60	114	109	191	151	151	149
8	58	54	54	51	65	62	115	110	192	152	151	148
9	56	53	54	51	68	64	118	112	188	152	150	148
10	56	53	55	52	68	67	120	114	160	153	151	148
11	56	52	56	53	71	68	121	115	168	155	151	148
12	55	51	55	52	73	71	160	116	165	156	151	148
13	54	50	54	51	75	73	133	117	171	157	151	148
14	53	46	54	51	77	74	162	118	200	158	151	148
15	51	48	54	51	78	75	129	119	190	158	152	148
16	53	51	54	52	79	76	124	119	181	157	151	148
17	55	53	54	51	81	78	141	119	159	155	151	147
18	56	55	54	51	82	78	124	118	160	155	150	147
19	57	56	54	51	84	79	163	118	156	154	150	147
20	58	57	56	54	86	81	151	120	155	153	150	147
21	58	56	57	55	87	83	165	120	154	152	150	147
22	58	55	58	56	88	84	130	123	155	152	150	147
23	57	54	58	57	90	86	134	123	154	152	150	147
24	56	54	59	57	93	87	132	124	153	151	149	147
25	56	53	59	57	94	89	154	125	153	151	149	146
26	54	53	60	57	95	91	161	124	153	151	149	146
27	56	53	60	58	97	92	148	125	153	150	149	146
28	56	55	60	57	99	93	157	127	152	150	149	145
29	56	55	61	57	101	95	175	131	152	150	149	145
30	57	55	60	56	103	97	175	132	153	150	148	144
31	---	---	58	55	---	---	139	134	152	150	---	---
MONTH	70	46	61	49	103	55	175	99	212	135	153	144

WATER-QUALITY RECORDS

WATER TEMPERATURE, (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	10.5	6.0	5.5	2.0	1.5	0.0	3.5	2.5	1.5	0.5	2.5	0.0
2	11.5	6.0	6.0	2.5	1.0	0.0	3.0	1.5	1.5	0.0	2.5	0.0
3	11.5	0.0	5.5	2.5	0.0	0.0	2.0	1.0	1.5	0.0	3.0	0.0
4	10.5	5.5	6.0	2.5	1.0	0.0	2.0	0.0	1.5	0.0	3.5	0.5
5	9.5	5.0	6.0	3.0	2.0	0.5	3.5	1.5	1.5	0.0	4.0	1.0
6	10.0	5.5	6.0	2.5	2.5	1.5	2.5	1.5	1.5	0.0	2.0	0.0
7	9.5	5.0	5.0	2.0	2.0	1.0	3.0	1.5	2.5	0.0	1.5	0.0
8	9.5	5.5	4.5	1.5	2.5	1.0	3.0	1.5	2.0	0.5	2.5	0.0
9	8.0	3.5	4.5	1.0	3.0	2.0	3.5	2.0	1.5	0.0	3.0	0.0
10	7.5	2.5	5.0	2.0	2.5	1.5	2.5	1.5	2.0	0.0	3.0	0.0
11	9.0	5.5	6.0	4.0	2.5	1.0	3.0	0.5	3.0	0.5	4.5	1.0
12	8.0	3.5	6.0	4.0	2.5	1.0	2.5	1.5	3.0	1.5	3.5	1.5
13	8.0	3.0	5.5	3.5	3.0	0.0	1.5	0.0	3.5	1.5	3.0	0.0
14	8.0	3.5	6.0	3.5	0.5	0.0	1.5	0.0	3.5	2.0	2.5	0.0
15	8.5	3.5	5.5	2.5	1.0	0.0	1.0	0.0	3.5	1.5	1.5	0.0
16	8.5	4.5	6.0	4.0	2.5	0.0	0.5	0.0	3.5	1.5	2.0	0.0
17	8.5	5.0	5.5	3.5	2.5	0.5	1.5	0.0	3.5	1.5	2.5	0.0
18	8.0	3.5	4.5	2.0	1.5	0.5	0.0	0.0	3.5	1.5	2.0	0.0
19	8.0	3.5	5.5	2.0	3.0	1.5	0.5	0.0	3.5	2.0	4.0	0.0
20	8.0	3.5	6.0	4.0	2.5	1.0	1.5	0.0	3.5	1.5	5.0	0.5
21	8.5	4.0	5.0	3.5	2.5	1.5	1.5	0.0	3.5	1.0	5.5	1.5
22	7.5	3.5	4.0	2.5	2.0	1.0	0.5	0.0	4.0	1.5	5.0	1.0
23	7.5	4.5	4.0	1.0	2.5	1.5	0.0	0.0	3.5	1.5	3.0	0.5
24	6.5	2.0	3.0	1.0	2.0	0.5	1.0	0.0	3.5	0.5	3.5	1.5
25	6.5	3.0	3.0	0.5	2.5	0.0	2.0	1.0	3.5	0.5	4.5	0.0
26	7.0	3.0	2.0	0.0	3.5	2.5	1.5	0.0	4.0	0.5	5.5	1.0
27	8.0	4.5	1.5	0.0	3.5	2.5	1.5	0.0	3.5	1.0	5.5	0.5
28	8.0	5.0	2.5	0.0	3.5	2.5	0.5	0.0	3.5	0.0	5.5	1.0
29	7.0	5.0	2.0	0.0	3.5	2.5	0.0	0.0	---	---	5.5	1.0
30	7.0	5.5	2.5	0.5	3.5	2.5	0.0	0.0	---	---	5.5	1.0
31	6.5	4.0	---	---	2.5	2.0	0.5	0.0	---	---	5.5	1.0
MONTH	11.5	0.0	6.0	0.0	3.5	0.0	3.5	0.0	4.0	0.0	5.5	0.0
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	5.5	1.0	6.5	2.0	12.0	7.0	18.5	8.0	18.5	9.5	15.0	7.5
2	5.5	1.0	9.5	2.0	13.0	4.0	18.5	9.5	18.0	9.5	15.5	8.0
3	5.5	1.0	10.0	2.5	14.0	5.0	18.0	9.0	17.5	9.0	14.5	8.0
4	6.0	1.0	10.0	2.5	15.0	6.0	18.0	8.0	17.0	10.0	14.5	8.5
5	5.0	1.0	10.0	2.5	16.0	6.5	18.0	8.0	16.0	8.5	14.0	8.5
6	5.5	1.0	10.0	2.5	16.0	6.5	18.5	8.0	15.5	7.0	12.0	7.5
7	6.0	1.0	9.0	2.5	15.5	6.5	18.5	9.0	15.5	6.5	11.0	4.5
8	6.0	1.5	9.0	2.0	14.0	6.5	18.5	8.0	15.5	6.0	11.5	4.5
9	4.0	2.0	9.5	2.5	12.5	4.5	19.5	8.5	16.0	7.0	12.0	5.0
10	6.5	2.0	7.5	3.0	14.0	4.5	20.0	9.5	16.5	7.5	12.0	5.0
11	6.0	1.5	10.0	2.5	15.0	5.0	18.0	10.0	16.5	8.0	12.5	6.0
12	7.0	1.5	10.5	2.5	16.0	6.5	16.5	11.0	17.5	8.5	12.5	6.0
13	7.5	1.5	9.0	3.5	16.5	7.0	19.5	10.5	17.5	9.0	13.0	6.0
14	7.5	2.0	11.5	3.5	16.5	7.0	20.0	10.5	17.5	9.5	12.5	6.0
15	4.0	1.0	11.5	4.0	16.0	5.5	18.5	10.0	17.5	9.5	13.0	8.0
16	3.5	0.5	12.0	3.5	16.0	5.5	19.5	10.5	17.0	9.0	11.5	5.5
17	3.5	0.5	12.5	4.5	16.5	7.5	17.0	9.5	16.5	8.0	11.0	5.5
18	3.0	1.0	12.0	5.5	17.0	8.0	13.5	9.5	16.0	7.0	11.5	5.0
19	5.0	1.0	10.0	5.0	17.0	7.5	16.5	9.0	15.0	7.0	11.5	5.0
20	6.0	0.5	6.5	3.5	17.0	8.0	18.0	9.0	14.0	6.5	12.0	5.0
21	8.5	1.0	9.0	3.0	17.0	8.0	18.0	10.0	14.0	5.5	12.0	5.5
22	9.0	1.0	10.5	2.0	15.5	8.0	18.5	9.0	14.0	6.0	12.0	6.0
23	9.5	1.5	11.0	3.0	17.0	7.5	17.5	7.5	14.0	5.5	12.0	6.0
24	8.5	2.0	12.0	3.5	17.0	7.0	18.0	9.0	14.0	5.5	11.5	5.5
25	9.0	3.0	12.5	4.5	17.5	8.0	17.0	7.5	14.0	5.5	11.0	4.5
26	6.5	3.0	12.5	4.0	18.5	9.5	17.5	7.5	14.0	6.0	10.5	4.5
27	6.5	2.0	12.5	5.0	18.0	8.0	18.0	9.0	14.0	6.5	11.0	7.0
28	7.0	2.0	14.0	5.5	18.0	8.5	18.5	9.0	14.0	6.5	9.0	5.0
29	6.0	1.5	15.0	5.5	18.5	8.5	18.0	8.5	14.5	7.0	9.0	4.5
30	7.5	2.0	15.0	6.0	18.5	8.5	17.5	9.5	15.0	7.5	8.5	4.0
31	---	---	14.5	5.5	---	---	18.5	9.0	14.5	8.0	---	---
MONTH	9.5	0.5	15.0	2.0	18.5	4.0	20.0	7.5	18.5	5.5	15.5	4.0

WATER-QUALITY RECORDS

CROSS SECTION ANALYSES, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DEPTH BOTTOM AT SAMPLE LOCATION, (FEET) (81903)	SAMPLING DEPTH (FEET) (00003)	TEMPERATURE WATER (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)
JUL						
09...*	1300	1.10	.50	15.5	113	1.00
09...*	1301	1.20	.50	15.5	114	3.00
09...*	1302	1.30	.50	15.5	114	5.00
09...*	1303	1.30	.50	15.5	114	7.00
09...*	1304	1.20	.50	15.0	114	9.00
09...*	1305	1.10	.50	15.0	114	11.0

* Instantaneous discharge at the time of cross-sectional measurements: July 9, 26 ft^3/s.

10344300 STAMPEDE RESERVOIR NEAR TRUCKEE, CA

LOCATION.--Lat 39°28'14", long 120°06'11", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.29, T.19 N., R.17 E., Sierra County, Hydrologic Unit 16050102, Tahoe National Forest, in control house near base of spillway of Stampede Dam on Little Truckee River, 0.2 mi upstream from Worn Mill Canyon, and 11.0 mi northeast of Truckee.

DRAINAGE AREA.--136 mi^2.

PERIOD OF RECORD.--August 1969 to current year. August 1969 to September 1977 (monthend elevations and contents only). October 1977 to September 1987 (daily contents). Prior to October 1976, published as "near Boca."

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Bureau of Reclamation).

REMARKS.--Records good. Reservoir is formed by rolled-earth and rockfill dam. Storage began August 1, 1969. Total capacity, 226,500 acre-ft at elevation 5,948.7 ft, spillway crest. Inactive contents, 5,010 acre-ft, includes 660 acre-ft dead contents below elevation 5,798.3 ft. Figures given, including extremes, represent total contents at 0800 hours. Reservoir is used for flood control, municipal water supply, enhancement of fishery, and recreation. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES (at 0800 hours) FOR PERIOD OF RECORD.—Maximum contents, 254,493 acre-ft, June 1, 1983, elevation, 5,956.55 ft; minimum since reservoir first filled, 30,772 acre-ft, January 31, February 1, 1978, elevation, 5,853.60 ft.

EXTREMES (at 0800 hours) FOR CURRENT YEAR.—Maximum contents, 160,200 acre-ft, October 1, elevation, 5,927.51 ft, October 1; minimum, 109,700 acre-ft, September 19, elevation, 5,907.35 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by U.S. Bureau of Reclamation, dated July 1971)

5,850	27,915	5,880	60,185	5,910	115,865	5,940	197,630
5,860	36,470	5,890	76,008	5,920	140,141	5,950	231,005
5,870	47,090	5,900	94,535	5,930	167,355	5,960	267,386

RESERVOIR STORAGE (ACRE-FEET) , WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	160200	156500	155500	154100	153900	153500	151800	143200	133000	120600	113600	110800
2	160100	156500	155800	154200	154000	153400	151900	e142100	132400	120500	113500	110700
3	160000	156300	156000	154200	154000	153300	152100	141000	131800	120300	113300	110700
4	159800	156300	156000	154200	154000	153300	152400	140100	131200	120100	113200	110500
5	159700	156200	156000	154200	154000	153300	152900	139300	130500	119900	113000	110400
6	159600	156100	155800	154200	154000	153300	153300	138600	129900	119700	e112800	110300
7	159400	156000	155700	154200	154000	e153600	153700	138200	129400	119500	112700	110200
8	159300	155900	155600	154200	154200	153600	154100	137900	128800	119200	112600	110100
9	159100	155900	155500	154300	154100	153500	154400	137700	128100	119000	112500	110000
10	158900	155800	155400	154200	154100	153400	154600	137400	127300	118800	112400	110000
11	158800	155800	155300	154200	154100	e153300	154500	137000	126500	118600	112400	109900
12	158600	155800	155100	154200	154100	153300	154400	e136600	125800	118400	e112300	109900
13	158500	155800	155000	154100	154000	153200	154200	136200	125400	118100	112300	109800
14	158400	155700	155200	154200	154000	153100	154100	136000	124800	117900	112200	109800
15	158200	155600	155000	154100	153900	153000	154300	136000	124200	117700	112100	109900
16	158100	155600	154800	154000	153900	152800	154400	136000	123800	117400	112100	109800
17	158000	155500	e154900	154000	153900	152700	154100	136000	123200	117200	112000	109800
18	157900	155400	154700	153900	153800	152500	153600	135900	122800	117000	111900	109800
19	e157800	155300	154700	153900	153700	152300	153100	136100	122400	116800	111800	109700
20	157700	155200	154700	153800	153700	152200	152500	136200	122200	116500	111700	109800
21	157600	155100	154500	153900	153700	152100	151900	136100	122000	116100	e111600	109800
22	e157400	155400	154400	153900	153700	152000	151200	135800	121800	115800	e111500	109800
23	157400	155500	154400	153800	153700	e152000	150500	135600	121700	115400	111400	109900
24	157100	155700	154300	153700	153700	152000	149600	135200	121700	115000	111300	e109900
25	157100	155800	154200	153800	153600	e152000	148900	134900	121500	114700	111300	109900
26	156900	155700	154200	153800	153600	151900	148000	134500	121400	114400	111200	110000
27	156900	155600	154100	154000	153600	151900	147200	134100	121200	e114300	111100	110100
28	156800	155700	154200	153900	153600	151800	146100	133900	121100	114200	111000	110100
29	156700	e155700	154200	153900	---	151700	145200	133700	120900	114000	111000	110100
30	156700	155600	154200	153900	---	151700	144300	133700	120800	113900	110900	110100
31	156600	---	154200	153900	---	151700	---	133300	---	113800	110800	---
MAX	160200	156500	156000	154300	154200	153600	154600	143200	133000	120600	113600	110800
MIN	156600	155100	154100	153700	153600	151700	144300	133300	120800	113800	110800	109700
a	5926.27	5925.88	5925.37	5925.28	5925.16	5924.48	5921.64	5917.38	5912.18	5909.10	5907.82	5907.49
b	-3700	-1000	-1400	-300	-300	-1900	-7400	-11000	-12500	-7000	-3000	-700

CAL YR 2001 MAX 200700 MIN 154100 b -46800
WTR YR 2002 MAX 160200 MIN 109700 b -50200

e Estimated
a Elevation, in feet, at end of month.
b Change in contents, in acre-feet.

10344400 LITTLE TRUCKEE RIVER ABOVE BOCA RESERVOIR, NEAR TRUCKEE, CA

LOCATION.--Lat 39°26'09", long 120°05'00", in SW $^1/_4$ SW $^1/_4$ sec.3, T.18 N., R.17 E., Nevada County, Hydrologic Unit 16050102, on left bank, 1 mi upstream from Boca Reservoir, 1.5 mi upstream from Dry Creek, 3.0 mi downstream from Stampede Dam, and 5.5 mi northeast of Truckee.

DRAINAGE AREA.--146 mi^2.

PERIOD OF RECORD.--June 1903 to October 1910, September 1939 to current year. Monthly discharge only for some periods, published in WSP 1314 and 1734. Published as "at Pine Station," June 1903 to December 1907, as "at Starr," January 1908 to October 1910, and as "near Boca," September 1939 to September 1976.

REVISED RECORDS.--WSP 1564: 1903-4, 1906-7, 1910, drainage area at site used in 1903-7.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 5,618.67 ft above NGVD of 1929 (U.S. Bureau of Reclamation Benchmark). June 1903 to October 1910, nonrecording gages at different sites and datums.

REMARKS.--Records good. Flow regulated by Independence Lake (station 10342900) since 1939 and Stampede Reservoir (station 10344300) since 1969. There is one transbasin diversion to Sierra Valley. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Water years 1939–68, prior to construction of Stampede Dam, maximum discharge, 13,300 ft^3/s, February 1, 1963, gage height, 9.00 ft, from rating curve extended above 1,600 ft^3/s, on basis of slope-area measurement of peak flow; minimum daily, 3.0 ft^3/s, November 30, 1954. Maximum discharge since construction of Stampede Dam in 1969, 3,850 ft^3/s, January 3, 1997, gage height, 5.26 ft; minimum daily, 0.30 ft^3/s, September 16–21, 1969.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	52	86	67	e34	105	230	781	590	97	68	32
2	83	54	90	68	e34	104	225	781	590	97	68	32
3	83	54	67	68	e34	104	222	735	589	97	67	32
4	83	54	81	67	e34	104	222	702	589	97	67	32
5	83	54	83	67	e34	105	225	701	588	110	67	32
6	83	54	85	67	e34	112	224	641	588	118	59	32
7	83	54	85	67	e34	133	223	521	587	118	41	32
8	83	54	85	67	33	147	268	480	585	118	33	32
9	83	54	86	67	e34	147	355	479	584	118	33	32
10	83	54	86	67	e34	147	441	485	583	118	32	32
11	83	55	86	67	60	148	536	490	525	118	33	32
12	71	55	86	67	80	153	581	489	428	118	32	32
13	62	54	86	66	80	153	581	442	388	118	32	32
14	62	54	86	65	80	150	582	393	387	118	32	32
15	62	54	85	65	81	149	584	393	387	117	32	32
16	62	54	86	65	81	149	585	393	387	117	32	32
17	62	54	86	65	81	149	584	393	328	118	32	32
18	62	54	86	58	81	147	584	393	272	143	32	32
19	62	54	86	52	82	148	583	393	223	164	32	32
20	62	54	85	52	83	149	582	393	169	159	32	32
21	62	55	73	51	84	151	581	393	121	163	32	32
22	62	57	65	52	97	155	581	391	100	163	32	32
23	77	54	65	e51	107	151	638	392	99	163	32	32
24	64	59	65	e51	107	150	676	391	99	162	32	32
25	58	56	65	51	106	148	739	391	99	127	32	32
26	51	54	65	52	106	149	782	390	98	75	32	32
27	50	54	65	51	107	150	784	390	98	67	32	32
28	50	70	66	e44	106	196	782	388	98	68	32	32
29	50	86	66	e34	---	231	786	388	98	68	32	32
30	51	84	67	e34	---	231	783	442	98	68	32	32
31	51	---	67	e34	---	230	---	545	---	68	32	---
TOTAL	2094	1709	2421	1799	1948	4645	15549	14979	10375	3570	1208	960
MEAN	67.55	56.97	78.10	58.03	69.57	149.8	518.3	483.2	345.8	115.2	38.97	32.00
MAX	83	86	90	68	107	231	786	781	590	164	68	32
MIN	50	52	65	34	33	104	222	388	98	67	32	32
AC-FT	4150	3390	4800	3570	3860	9210	30840	29710	20580	7080	2400	1900

e Estimated

10344400 LITTLE TRUCKEE RIVER ABOVE BOCA RESERVOIR, NEAR TRUCKEE, CA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1968, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	76.0	83.5	123	87.3	131	170	399	543	310	78.1	29.8	25.8
MAX	394	630	725	264	835	374	855	1304	1045	433	180	76.5
(WY)	1963	1951	1965	1956	1963	1967	1952	1952	1967	1967	1940	1959
MIN	13.5	13.0	11.6	9.45	22.0	39.0	106	171	45.7	6.06	4.45	5.93
(WY)	1962	1940	1960	1962	1948	1948	1961	1961	1954	1949	1949	1948

SUMMARY STATISTICS	WATER YEARS 1939 - 1968		
ANNUAL MEAN	170		
HIGHEST ANNUAL MEAN	321		1952
LOWEST ANNUAL MEAN	58.9		1961
HIGHEST DAILY MEAN	8810	Feb 1	1963
LOWEST DAILY MEAN	3.0	Nov 30	1954
ANNUAL SEVEN-DAY MINIMUM	4.0	Jul 17	1949
MAXIMUM PEAK FLOW	13300	Feb 1	1963
MAXIMUM PEAK STAGE	9.00	Feb 1	1963
ANNUAL RUNOFF (AC-FT)	123200		
10 PERCENT EXCEEDS	454		
50 PERCENT EXCEEDS	70		
90 PERCENT EXCEEDS	13		

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	72.92	42.44	73.08	105.5	86.66	140.0	309.2	542.7	332.0	170.7	115.8	57.84
MAX	503	132	711	1089	400	418	923	1371	1733	1301	573	359
(WY)	1974	1975	1984	1997	1996	1996	1986	1969	1983	1983	1975	1971
MIN	0.56	0.75	2.85	16.7	10.6	13.8	25.6	30.6	28.1	24.1	1.65	0.47
(WY)	1970	1970	1970	1980	1970	1970	1970	1988	1988	1981	1969	1969

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1969 - 2002	
ANNUAL TOTAL	39752		61257			
ANNUAL MEAN	108.9		167.8		171.2	
HIGHEST ANNUAL MEAN					427	1983
LOWEST ANNUAL MEAN					53.4	1992
HIGHEST DAILY MEAN	246	May 14	786	Apr 29	2590	Jan 12 1997
LOWEST DAILY MEAN	50	Oct 27	32	Aug 10	0.30	Sep 16 1969
ANNUAL SEVEN-DAY MINIMUM	51	Oct 26	32	Aug 12	0.31	Sep 15 1969
MAXIMUM PEAK FLOW			797	Apr 29	3850	Jan 3 1997
MAXIMUM PEAK STAGE			2.42	Apr 29	5.26	Jan 3 1997
ANNUAL RUNOFF (AC-FT)	78850		121500		124000	
10 PERCENT EXCEEDS	148		540		476	
50 PERCENT EXCEEDS	100		83		53	
90 PERCENT EXCEEDS	57		32		28	

10344490 BOCA RESERVOIR NEAR TRUCKEE, CA

LOCATION.--Lat 39°23'20", long 120°05'43", in NE $^1/_4$ NW $^1/_4$ sec.28, T.18 N., R.17 E., Nevada County, Hydrologic Unit 16050102, in control house at Boca Dam on Little Truckee River, 1,800 ft upstream from mouth, and 6.3 mi northeast of Truckee.

DRAINAGE AREA.--172 mi^2.

PERIOD OF RECORD.--December 1938 to current year. Prior to October 1976 published as "at Boca." Monthend contents only for December 1938 to September 1957, published in WSP 1734.

REVISED RECORDS.--WSP 1634: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Bureau of Reclamation).

REMARKS.--Reservoir is formed by earthfill, rock-faced dam. Storage began December 8, 1938. Usable capacity, 40,868 acre-ft between elevations 5,521 ft, outlet sill, and 5,605 ft, top of spillway gates. Elevation of spillway (gate open) is 5,589.01 ft. Dead contents, 241 acre-ft. Records, including extremes, represent usable contents at 0800 hours. Water is used for irrigation in the State of Nevada and for power development. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES (at 0800) FOR PERIOD OF RECORD.--Maximum contents, 41,440 acre-ft, December 23, 1955, elevation, 5,605.55 ft; minimum, 37 acre-ft, March 4-9, 1955, elevation, 5,521.65 ft.

EXTREMES (at 0800 hours) FOR CURRENT YEAR.—Maximum contents, 40,100 acre-ft, July 25–27, maximum elevation, 5,604.27 ft, July 25; minimum, 5,020 acre-ft, November 22, elevation, 5,550.21 ft.

Capacity table (elevation, in feet, and contents in acre-feet)
(Based on table provided by U.S. Bureau of Reclamation, dated November 1970)

5,540	2,356	5,555	6,725	5,580	20,002	5,600	36,128
5,545	3,513	5,560	8,778	5,590	27,488	5,605	40,868
5,550	4,970	5,570	13,768				

RESERVOIR STORAGE (ACRE-FEET) , WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8580	7650	5520	6660	7890	8790	17400	31800	35100	38800	39800	39000
2	8520	7570	5640	6740	7750	8960	17900	32500	34800	38900	39800	38800
3	8480	7490	5810	6890	7620	9120	18300	33200	34500	38900	39700	38600
4	8420	7420	5870	7040	7490	9270	18700	33700	34400	38900	39700	38400
5	8370	7350	5950	7150	7360	9430	19200	34200	34300	38800	39700	38000
6	8330	7270	6030	7250	7240	9620	19600	34700	34400	38800	39700	37700
7	8280	7190	6120	7400	7250	9900	20000	35100	34600	38900	39700	37300
8	8230	7070	6210	7540	7220	10200	20400	35300	34700	38900	39700	36900
9	8180	6930	6300	7680	7150	10400	20800	35500	34900	38900	39700	36500
10	8120	6760	6390	7810	7080	10700	21400	35600	35100	38900	39700	36000
11	8080	6610	6480	7940	7020	11000	21900	35800	35500	38900	39700	e35600
12	8050	6480	6540	8080	7030	11300	22600	e36000	35900	38900	39700	35200
13	8000	6360	6570	8210	7060	11600	23300	36300	36200	39000	39700	34700
14	7980	6240	6630	8290	7100	11900	e23900	36300	36400	39000	39700	34400
15	7980	6120	6660	8370	7120	12100	24500	36400	36700	39000	39700	34000
16	7970	5970	6700	8450	7160	12400	25100	36500	36900	39100	39700	33600
17	7950	5820	6730	8500	7190	12600	25800	36600	37200	39100	39700	33300
18	7950	5670	6760	8530	7230	12800	26400	36500	37300	39200	39700	32900
19	7930	5520	6790	8540	7260	13000	26900	36500	37400	39400	39700	32500
20	7920	5340	6830	8540	7320	13200	27400	36500	e37600	39500	39700	32100
21	7910	5160	6850	8530	7390	13400	27900	36500	37800	39600	39700	31700
22	e7900	5020	6840	8540	7520	13700	28300	36500	37800	39800	39700	31300
23	7890	5060	6840	8490	7710	14000	28600	36200	37900	39900	39700	30900
24	7910	5110	6820	8440	7900	14300	29000	35800	38000	40000	39600	30500
25	7900	5180	6800	8400	8080	e14600	29300	35600	38100	40100	39600	30100
26	7900	5210	6780	8360	8250	14900	29700	35400	38200	40100	39600	e29700
27	7910	5240	6760	8340	8440	15200	30200	35300	38300	40100	39600	29300
28	7910	5260	6750	8290	8620	15500	30600	35300	38400	40000	39600	28800
29	7860	5360	6750	8220	---	15900	30900	35400	38500	39900	39400	28400
30	7810	5440	6700	8140	---	16400	31200	35500	38700	39900	39300	27900
31	7740	---	6620	8020	---	16900	---	35400	---	39800	39100	---
MAX	8580	7650	6850	8540	8620	16900	31200	36600	38700	40100	39800	39000
MIN	7740	5020	5520	6660	7020	8790	17400	31800	34300	38800	39100	27900
a	5557.62	5551.45	5554.77	5558.31	5559.70	5575.34	5594.54	5599.26	5602.73	5603.93	5603.20	5590.49
b	-830	-2300	+1180	+1400	+600	+8280	+14300	+4200	+3300	+1100	-700	-11200

CAL YR 2001 MAX 21500 MIN 5020 b -4680
WTR YR 2002 MAX 40100 MIN 5020 b +19330

e Estimated
a Elevation, in feet, at end of month.
b Change in contents, in acre-feet.

10344500 LITTLE TRUCKEE RIVER BELOW BOCA DAM, NEAR TRUCKEE, CA

LOCATION.--Lat 39°23'13", long 120°05'40", in NE $^1/_4$ NW $^1/_4$ sec.28, T.18 N., R.17 E., Nevada County, Hydrologic Unit 16050102, on right bank, 800 ft upstream from mouth, 1,000 ft downstream from Boca Dam, and 6.2 mi northeast of Truckee.

DRAINAGE AREA.--173 mi^2.

PERIOD OF RECORD.--April to October 1890 (monthly discharge only), January 1911 to September 1915, January 1939 to current year. Prior to October 1976 published as "at Boca." Monthly discharge only for January 1939 to September 1957, published in WSP 1734.

REVISED RECORDS.--WDR CA-79-3: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,500 ft above NGVD of 1929, from topographic map. January 1, 1911, to September 30, 1915, nonrecording gage at site 650 ft downstream at different datum. January 1939 to September 1957, records computed from daily log of rated settings of needle valve in dam, and from computed flow over spillway.

REMARKS.--Records good. Flow regulated by Boca Reservoir (station 10344490) since 1938, Independence Lake (station 10342900) since 1939, and Stampede Reservoir (station 10344300) since 1969. There is one transmountain diversion to Sierra Valley of about 6,000 acre-ft per year. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 8,800 ft^3/s, December 24, 1955, from records of Washoe County Water Conservation District; no flow for many days in many years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	94	43	47	107	45	45	445	744	19	70	118
2	105	94	44	21	107	44	45	445	742	65	70	122
3	105	94	44	0.65	107	43	45	447	678	92	70	131
4	105	94	44	14	106	43	45	447	643	107	70	163
5	105	94	44	22	105	43	45	444	585	107	53	213
6	105	93	44	10	54	43	45	432	526	107	5.1	229
7	105	111	44	0.55	55	44	45	401	505	107	19	233
8	105	120	44	0.54	71	44	71	401	505	107	19	233
9	104	132	44	0.50	71	44	152	401	479	107	19	250
10	103	139	44	0.48	70	44	170	401	416	107	19	257
11	101	131	52	0.45	70	44	255	401	341	107	19	256
12	86	126	72	0.44	71	45	270	401	298	104	19	250
13	70	118	72	15	71	45	313	401	281	93	19	229
14	62	113	72	26	71	45	314	376	281	93	19	222
15	62	128	72	26	71	45	302	335	279	93	19	219
16	62	135	74	32	71	45	255	377	261	93	19	227
17	62	135	76	50	71	56	296	415	262	93	19	230
18	62	135	76	50	71	74	351	415	245	94	19	230
19	62	145	76	51	71	80	331	414	120	94	19	237
20	62	149	76	52	72	80	375	415	71	94	19	238
21	62	148	76	53	53	63	378	415	65	94	19	228
22	62	81	76	67	43	48	399	497	61	94	19	227
23	62	43	76	75	43	44	480	551	42	94	19	229
24	62	43	76	75	43	44	520	522	42	94	19	238
25	58	43	76	75	44	44	536	504	39	94	19	240
26	43	43	76	75	44	44	553	477	23	94	32	249
27	43	43	76	75	44	45	544	434	22	94	39	259
28	61	43	77	75	44	45	665	399	20	94	64	286
29	74	43	85	75	---	45	644	359	19	94	110	286
30	87	43	120	e89	---	45	561	374	19	94	107	285
31	94	---	77	e104	---	45	---	702	---	88	107	---
TOTAL	2433	2953	2048	1257.61	1921	1508	9050	13448	8614	2911	1158.1	6814
MEAN	78.48	98.43	66.06	40.57	68.61	48.65	301.7	433.8	287.1	93.90	37.36	227.1
MAX	105	149	120	104	107	80	665	702	744	107	110	286
MIN	43	43	43	0.44	43	43	45	335	19	19	5.1	118
AC-FT	4830	5860	4060	2490	3810	2990	17950	26670	17090	5770	2300	13520

e Estimated

10344500 LITTLE TRUCKEE RIVER BELOW BOCA DAM, NEAR TRUCKEE, CA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1915, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	22.8	38.1	29.2	83.4	75.5	196	721	790	582	169	36.5	26.3
MAX	34.2	58.4	39.3	283	173	558	1367	1260	1211	435	66.3	35.7
(WY)	1915	1913	1914	1914	1914	1914	1914	1911	1911	1911	1911	1912
MIN	14.1	28.4	23.2	20.5	28.4	56.3	106	379	212	50.7	20.1	14.4
(WY)	1914	1915	1912	1913	1912	1912	1912	1912	1913	1912	1915	1915

SUMMARY STATISTICS	WATER YEARS 1911 - 1915		
ANNUAL MEAN	193		
HIGHEST ANNUAL MEAN	387		1914
LOWEST ANNUAL MEAN	94.7		1912
HIGHEST DAILY MEAN	2360	Apr 15	1914
LOWEST DAILY MEAN	.00	Sep 26	1911
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 26	1911
ANNUAL RUNOFF (AC-FT)	140100		
10 PERCENT EXCEEDS	800		
50 PERCENT EXCEEDS	49		
90 PERCENT EXCEEDS	16		

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1969, BY WATER YEAR (WY)

MEAN	89.7	106	144	156	160	132	264	426	315	159	146	120
MAX	303	611	856	649	606	442	808	1647	974	389	408	414
(WY)	1968	1951	1951	1965	1963	1967	1952	1952	1967	1967	1958	1952
MIN	.000	.12	.20	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1940	1967	1960	1939	1939	1939	1939	1939	1939	1939	1939	1939

SUMMARY STATISTICS	WATER YEARS 1939 - 1969		
ANNUAL MEAN	190		
HIGHEST ANNUAL MEAN	435		1952
LOWEST ANNUAL MEAN	65.8		1961
HIGHEST DAILY MEAN	5520	Dec 24	1955
LOWEST DAILY MEAN	.00	Jan 1	1939
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	1939
MAXIMUM PEAK FLOW	8800	Dec 24	1955
ANNUAL RUNOFF (AC-FT)	137700		
10 PERCENT EXCEEDS	430		
50 PERCENT EXCEEDS	107		
90 PERCENT EXCEEDS	.02		

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2002, BY WATER YEAR (WY)

MEAN	106.7	77.33	96.20	115.9	91.44	126.5	277.1	479.6	308.9	204.3	152.8	115.4
MAX	441	327	568	1296	433	522	975	1148	1788	1131	585	418
(WY)	1972	1984	1984	1997	1997	1996	1986	1985	1983	1983	1975	1971
MIN	0.000	0.020	0.11	0.001	1.60	0.13	0.39	0.31	2.63	0.75	13.6	0.55
(WY)	1995	1991	1978	1995	1995	1995	1988	1988	1977	1981	1984	1970

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1970 - 2002	
ANNUAL TOTAL	42950.55		54115.71			
ANNUAL MEAN	117.7		148.3		179.8	
HIGHEST ANNUAL MEAN					470	1983
LOWEST ANNUAL MEAN					55.6	1992
HIGHEST DAILY MEAN	252	Jun 8	744	Jun 1	2530	Jan 9 1997
LOWEST DAILY MEAN	0.24	Apr 26	0.44	Jan 12	0.00	Sep 13 1994
ANNUAL SEVEN-DAY MINIMUM	0.28	Apr 21	1.9	Jan 6	0.00	Sep 13 1994
MAXIMUM PEAK FLOW			749	May 31	2720	Jan 8 1997
MAXIMUM PEAK STAGE			3.91	May 31	6.14	Jan 8 1997
ANNUAL RUNOFF (AC-FT)	85190		107300		130300	
10 PERCENT EXCEEDS	203		406		457	
50 PERCENT EXCEEDS	126		77		91	
90 PERCENT EXCEEDS	31		22		0.60	

PYRAMID AND WINNEMUCCA LAKES BASIN

10344505 TRUCKEE RIVER AT BOCA BRIDGE, NEAR TRUCKEE, CA

LOCATION.—Lat 39°23'07", long 120°05'12", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.28, T.18 N., R.17 E., Nevada County, Hydrologic Unit 16050102, on right bank, 0.4 mi downstream from mouth of Little Truckee River, 0.7 mi southeast of Boca Dam, 6.5 mi northeast of Truckee, and 10.6 mi north of Kings Beach.

DRAINAGE AREA.—173 mi^2.

PERIOD OF RECORD.—August to September 2002.

GAGE.—Water-stage recorder. Elevation of gage is 5,527 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good. Flow regulated by Lake Tahoe and Donner, Martis Creek, and Independence Lakes, and Prosser Creek, Stampede, and Boca Reservoirs (stations 10337000, 10338400, 10339380, 10342900, 10340300, 10344300, and 10344490, respectively), and by several powerplants. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 563 ft^3/s, September 6, 2002; minimum, 373 ft^3/s, August 28, 2002.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	450
2	---	---	---	---	---	---	---	---	---	---	---	448
3	---	---	---	---	---	---	---	---	---	---	---	450
4	---	---	---	---	---	---	---	---	---	---	---	468
5	---	---	---	---	---	---	---	---	---	---	---	507
6	---	---	---	---	---	---	---	---	---	---	---	514
7	---	---	---	---	---	---	---	---	---	---	---	508
8	---	---	---	---	---	---	---	---	---	---	---	495
9	---	---	---	---	---	---	---	---	---	---	---	510
10	---	---	---	---	---	---	---	---	---	---	---	510
11	---	---	---	---	---	---	---	---	---	---	---	512
12	---	---	---	---	---	---	---	---	---	---	---	517
13	---	---	---	---	---	---	---	---	---	---	---	519
14	---	---	---	---	---	---	---	---	---	---	---	525
15	---	---	---	---	---	---	---	---	---	---	---	518
16	---	---	---	---	---	---	---	---	---	---	---	517
17	---	---	---	---	---	---	---	---	---	---	---	509
18	---	---	---	---	---	---	---	---	---	---	---	504
19	---	---	---	---	---	---	---	---	---	---	---	505
20	---	---	---	---	---	---	---	---	---	---	---	497
21	---	---	---	---	---	---	---	---	---	---	---	502
22	---	---	---	---	---	---	---	---	---	---	---	497
23	---	---	---	---	---	---	---	---	---	---	---	494
24	---	---	---	---	---	---	---	---	---	---	---	497
25	---	---	---	---	---	---	---	---	---	---	---	494
26	---	---	---	---	---	---	---	---	---	---	---	497
27	---	---	---	---	---	---	---	---	---	---	---	494
28	---	---	---	---	---	---	---	---	---	---	412	497
29	---	---	---	---	---	---	---	---	---	---	449	491
30	---	---	---	---	---	---	---	---	---	---	444	481
31	---	---	---	---	---	---	---	---	---	---	443	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	14927
MEAN	---	---	---	---	---	---	---	---	---	---	---	497.6
MAX	---	---	---	---	---	---	---	---	---	---	---	525
MIN	---	---	---	---	---	---	---	---	---	---	---	448
AC-FT	---	---	---	---	---	---	---	---	---	---	---	29610

PYRAMID AND WINNEMUCCA LAKES BASIN

10345490 GRAY CREEK NEAR FLORISTON, CA

LOCATION.—Lat 39°22'22", long 120°01'49", in NE $^1/_4$NE $^1/_4$ sec.36, T.18 N., R.17 E., Nevada County, Hydrologic Unit 16050102, on left bank, about 400 ft upstream from Truckee River, and about 1.6 mi southwest of Floriston.

DRAINAGE AREA.—17.6 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 2001 to September 2002.

GAGE.—Water-stage recorder. Elevation of gage is 5,420 ft above sea level, from topographic map.

REMARKS.—Records fair, including estimated daily discharges. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 116 ft^3/s, May 30, 2002, gage height, 2.79 ft, maximum gage height, 3.87 ft, backwater from ice, January 24, 2002; minimum, 5.7 ft^3/s, Jan. 25, 2002, gage height, 2.01 ft.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 100 ft^3/s, or maximum:

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 30	1815	116	2.79

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	e7.4	7.8	e7.4	e8.0	16	21	57	19	11	8.3
2	---	---	e7.8	8.9	7.2	e8.0	16	20	50	19	11	8.3
3	---	---	e8.5	9.2	7.3	e7.4	18	22	43	18	11	8.3
4	---	---	e8.0	e8.2	e7.1	e7.4	20	24	48	18	11	8.3
5	---	---	e7.8	8.1	6.9	8.1	18	28	56	18	11	8.3
6	---	---	e7.9	9.9	6.7	9.6	17	33	61	18	11	8.5
7	---	---	7.9	10	7.0	e9.8	17	34	62	18	10	8.6
8	---	---	e7.5	9.6	7.0	e8.3	18	32	58	17	10	8.5
9	---	---	7.4	9.0	7.6	e7.4	18	32	52	17	10	8.3
10	---	---	7.9	8.6	7.5	8.5	18	31	44	16	9.8	8.1
11	---	---	7.9	e8.0	7.0	8.7	19	29	41	16	9.7	8.0
12	---	---	7.9	8.1	7.1	9.2	20	32	37	16	9.5	8.0
13	---	---	7.3	e8.0	7.2	e8.5	22	36	36	16	9.4	7.9
14	---	---	e7.3	e8.0	7.3	e8.2	30	40	34	15	9.3	7.9
15	---	---	e8.2	e8.0	7.4	e7.8	40	46	32	15	9.3	7.8
16	---	---	e8.2	e7.8	7.4	e7.8	29	50	28	14	9.1	7.9
17	---	---	e7.5	e8.0	7.4	e7.7	26	55	26	15	9.0	7.9
18	---	---	e7.3	e7.8	7.4	e7.9	24	49	26	e16	9.1	7.9
19	---	---	7.1	e7.8	7.5	e8.0	22	57	26	14	9.0	7.8
20	---	---	7.4	e7.8	8.0	8.3	21	41	26	14	9.0	7.8
21	---	---	7.2	e7.6	8.2	8.6	20	33	25	13	9.1	7.8
22	---	---	7.3	e7.4	8.6	9.1	21	27	25	13	9.1	7.7
23	---	---	7.9	e7.0	9.0	9.6	23	23	24	13	9.0	7.7
24	---	---	e7.7	e7.0	8.6	9.4	24	24	24	12	8.9	7.6
25	---	---	e7.5	e7.0	9.4	9.2	26	28	23	12	8.8	7.6
26	---	---	e7.3	6.9	9.4	9.4	27	32	22	12	8.7	7.6
27	---	---	7.2	7.1	8.5	9.9	24	32	21	12	8.7	7.6
28	---	e7.3	7.4	e7.2	e8.2	11	23	39	20	12	8.7	7.7
29	---	7.2	7.5	e7.2	---	12	24	56	19	11	8.6	7.8
30	---	e7.3	7.7	e7.2	---	15	22	68	20	11	8.5	7.8
31	---	---	7.7	e7.2	---	16	---	59	---	11	8.4	---
TOTAL	---	---	236.6	247.4	215.3	283.8	663	1133	1066	461	294.7	239.3
MEAN	---	---	7.632	7.981	7.689	9.155	22.10	36.55	35.53	14.87	9.506	7.977
MAX	---	---	8.5	10	9.4	16	40	68	62	19	11	8.6
MIN	---	---	7.1	6.9	6.7	7.4	16	20	19	11	8.4	7.6
AC-FT	---	---	469	491	427	563	1320	2250	2110	914	585	475

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 2001 to September 2002.
WATER TEMPERATURE: December 2001 to September 2002.
SPECIFIC CONDUCTANCE: December 2001 to September 2002.
PH: December 2001 to September 2002.
TURBIDITY: December 2001 to September 2002.
SEDIMENT: November 2001 to September 2002.

PERIOD OF DAILY RECORD.—December 2001 to September 2002.
WATER TEMPERATURE: December 2001 to September 2002.
SPECIFIC CONDUCTANCE: December 2001 to September 2002.
PH: December 2001 to September 2002.
TURBIDITY: December 2001 to September 2002.

INSTRUMENTATION.—Water-quality monitor since December 2001.

REMARKS.—Water temperature records rated excellent. Specific conductance, pH, and turbidity records rated good. Interruptions in record due to malfunction of recording equipment.

EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: Maximum recorded, 21.5°C, July 10, 2002; minimum recorded, 0.0°C, several days in December 2001 and many days in 2002.
SPECIFIC CONDUCTANCE: Maximum recorded, 215 microsiemens, January 16, 2002; minimum recorded, 76 microsiemens, May 29, 2002.
PH: Maximum recorded, 8.7 standard units, March 26, 27, 2002; minimum recorded, 7.7 standard units, May 19, 2002.
TURBIDITY: Maximum recorded, 3400 NTU, Apr. 14, 2002; minimum recorded, 0.0 NTU, September 11, 14, 15, 21, 2002.

EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURE: Maximum recorded, 21.5°C, July 10; minimum recorded, 0.0°C, many days.
SPECIFIC CONDUCTANCE: Maximum recorded, 215 microsiemens, January 16; minimum recorded, 76 microsiemens, May 29.
PH: Maximum recorded, 8.7 standard units, MarchJanuary 26, 27; minimum recorded, 7.7 standard units, May 19.
TURBIDITY: Maximum recorded, 3400 NTU, Apr. 14; minimum recorded, 0.0 NTU, September 11, 14, 15, 21.

WATER TEMPERATURE, DEGREES C, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	4.5	2.0	1.0	0.0	2.0	0.0
2	---	---	---	---	---	---	4.5	2.5	1.0	0.0	2.0	0.0
3	---	---	---	---	---	---	3.0	0.0	1.0	0.0	3.5	0.0
4	---	---	---	---	---	---	1.0	0.0	0.5	0.0	6.0	0.0
5	---	---	---	---	---	---	4.0	0.0	1.0	0.0	7.0	0.5
6	---	---	---	---	---	---	5.0	2.5	1.5	0.0	4.5	0.0
7	---	---	---	---	2.0	0.0	5.0	2.0	2.0	1.0	4.5	0.0
8	---	---	---	---	3.0	0.0	4.5	1.5	2.0	0.0	2.0	0.0
9	---	---	---	---	2.5	0.5	4.5	1.5	1.5	0.0	5.0	0.0
10	---	---	---	---	1.5	0.0	2.5	0.0	2.0	0.0	4.5	1.0
11	---	---	---	---	1.5	0.0	3.0	0.0	3.0	0.5	8.0	1.0
12	---	---	---	---	1.0	0.0	3.0	0.0	3.5	1.0	6.0	1.5
13	---	---	---	---	3.5	0.5	0.0	0.0	3.0	1.0	3.5	0.0
14	---	---	---	---	1.5	0.0	0.0	0.0	4.0	1.5	4.0	0.0
15	---	---	---	---	0.0	0.0	0.0	0.0	3.5	0.5	0.0	0.0
16	---	---	---	---	0.0	0.0	0.0	0.0	4.5	1.0	1.0	0.0
17	---	---	---	---	2.0	0.0	0.0	0.0	3.0	0.5	3.5	0.0
18	---	---	---	---	0.5	0.0	0.0	0.0	4.0	1.0	2.0	0.0
19	---	---	---	---	2.5	0.0	0.0	0.0	4.5	1.5	7.0	0.0
20	---	---	---	---	2.0	0.0	0.0	0.0	5.5	2.0	8.5	0.5
21	---	---	---	---	1.5	0.5	0.0	0.0	6.0	1.0	9.0	1.5
22	---	---	---	---	2.5	0.5	0.0	0.0	6.5	1.5	9.0	1.5
23	---	---	---	---	2.0	0.0	0.0	0.0	4.5	1.5	6.0	1.5
24	---	---	---	---	0.0	0.0	0.0	0.0	5.5	0.0	7.5	1.5
25	---	---	---	---	0.0	0.0	1.5	0.0	5.0	0.0	8.0	0.5
26	---	---	---	---	3.5	0.0	1.5	0.5	6.0	0.0	9.5	1.0
27	---	---	---	---	3.5	2.0	2.0	0.0	6.0	0.5	10.0	0.5
28	---	---	---	---	3.0	1.5	0.0	0.0	5.5	0.0	10.5	1.5
29	---	---	---	---	4.5	2.0	0.0	0.0	---	---	10.5	2.0
30	---	---	---	---	4.0	2.5	0.0	0.0	---	---	10.5	1.5
31	---	---	---	---	4.0	2.5	0.0	0.0	---	---	11.0	1.5
MONTH	---	---	---	---	---	---	5.0	0.0	6.5	0.0	11.0	0.0

10345490 GRAY CREEK NEAR FLORISTON, CA--Continued

WATER TEMPERATURE, DEGREES C, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	11.0	2.0	7.0	1.5	11.0	5.5	19.0	7.5	20.5	10.5	18.0	9.5
2	11.5	2.5	11.5	2.0	13.0	3.5	19.5	9.5	20.5	11.0	19.0	9.5
3	14.0	3.0	13.0	3.5	13.5	5.0	18.5	9.0	20.0	10.5	18.0	9.5
4	11.5	3.5	12.0	3.5	15.5	5.5	18.0	7.5	18.5	9.5	17.0	10.0
5	9.0	3.0	13.0	3.0	16.0	6.0	18.5	8.0	18.0	9.0	16.5	9.5
6	10.0	2.5	13.0	3.0	15.5	6.0	19.0	8.0	17.5	7.5	16.0	8.5
7	11.0	3.0	12.0	3.5	15.0	5.0	19.5	10.0	17.5	7.0	13.0	5.5
8	11.0	3.5	10.5	1.5	13.0	5.0	18.5	8.0	17.5	7.0	14.0	4.5
9	7.0	4.0	11.5	2.5	11.5	3.0	20.0	9.0	18.0	7.5	15.0	5.5
10	10.5	3.5	8.5	3.0	13.0	3.5	21.5	10.0	19.5	8.5	15.5	5.5
11	11.5	4.5	12.0	2.0	15.0	4.5	20.5	11.0	19.5	9.0	16.0	6.5
12	12.0	3.0	13.0	2.5	16.0	5.5	18.5	12.5	20.0	10.0	16.5	7.0
13	12.5	3.0	12.0	4.0	16.5	6.5	20.0	11.5	20.5	10.5	16.5	7.5
14	12.0	4.5	13.0	4.0	16.0	5.5	20.5	11.5	21.0	11.5	16.0	7.5
15	5.0	1.5	13.0	4.0	15.5	4.5	20.5	11.0	20.5	11.0	16.5	9.0
16	4.0	1.0	13.5	3.5	15.5	5.0	20.5	10.5	20.5	11.0	14.5	6.5
17	5.0	0.5	14.0	4.5	16.5	6.5	16.0	11.0	18.5	9.5	14.0	7.0
18	4.5	0.5	13.5	5.0	17.0	8.0	14.5	10.0	19.0	8.0	14.5	6.5
19	7.0	1.0	11.5	5.0	16.5	7.0	19.5	9.5	17.5	7.5	14.5	5.5
20	7.5	0.5	6.0	3.0	17.0	7.5	21.0	10.5	16.5	7.5	15.5	6.5
21	11.5	1.5	7.5	2.0	15.0	7.5	19.0	11.0	16.5	6.0	15.5	7.0
22	12.0	2.0	11.0	1.0	16.0	7.0	19.0	9.5	16.5	7.5	16.0	7.0
23	12.5	2.0	12.5	2.0	17.0	7.5	19.0	8.0	16.5	7.0	15.5	7.0
24	11.0	3.0	13.5	3.0	17.0	6.5	19.5	9.5	17.0	6.5	15.0	6.5
25	11.5	4.0	13.5	4.5	17.0	8.0	18.5	8.0	17.0	6.5	14.0	5.5
26	7.5	4.5	13.5	3.5	18.5	9.0	19.0	8.0	17.0	7.0	13.5	5.0
27	9.5	3.0	12.5	4.0	18.0	7.5	20.0	10.0	17.0	7.5	14.0	7.5
28	9.0	1.5	14.5	5.0	18.0	8.0	20.0	10.0	17.5	8.5	11.5	5.5
29	6.5	1.5	15.5	5.0	18.5	8.5	20.5	9.5	16.5	8.5	11.5	5.0
30	5.5	1.5	15.0	5.5	18.5	7.5	19.5	11.0	17.0	9.0	11.0	4.5
31	---	---	14.5	5.5	---	---	20.5	10.5	18.5	9.5	---	---
MONTH	14.0	0.5	15.5	1.0	18.5	3.0	21.5	7.5	21.0	6.0	19.0	4.5

10345490 GRAY CREEK NEAR FLORISTON, CA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS/CM AT 25 DEG. C, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	188	183	174	166	193	165
2	---	---	---	---	---	---	189	173	174	162	203	171
3	---	---	---	---	---	---	193	186	172	161	194	163
4	---	---	---	---	---	---	205	179	171	161	171	157
5	---	---	---	---	---	---	191	183	177	164	171	165
6	---	---	---	---	---	---	184	177	178	172	168	154
7	---	---	---	---	182	144	196	183	177	157	168	161
8	---	---	---	---	184	172	198	196	179	166	174	163
9	---	---	---	---	177	171	198	193	179	167	177	165
10	---	---	---	---	176	162	198	187	180	166	173	169
11	---	---	---	---	179	168	192	174	178	175	174	171
12	---	---	---	---	180	168	190	185	180	175	175	170
13	---	---	---	---	170	129	203	177	180	173	178	171
14	---	---	---	---	137	112	199	177	182	176	182	172
15	---	---	---	---	136	123	207	193	182	174	195	166
16	---	---	---	---	136	130	215	197	184	178	188	168
17	---	---	---	---	146	134	200	181	181	176	180	170
18	---	---	---	---	151	144	202	184	178	174	190	165
19	---	---	---	---	152	146	192	182	177	157	184	170
20	---	---	---	---	153	147	192	177	165	155	179	175
21	---	---	---	---	161	150	182	177	163	153	181	176
22	---	---	---	---	172	161	186	180	157	152	183	177
23	---	---	---	---	172	160	191	181	176	154	184	177
24	---	---	---	---	174	164	185	177	178	170	185	181
25	---	---	---	---	175	170	180	162	180	156	186	181
26	---	---	---	---	181	161	174	155	179	138	188	183
27	---	---	---	---	166	159	159	152	178	176	187	184
28	---	---	---	---	176	163	160	153	188	172	188	172
29	---	---	---	---	181	175	166	160	---	---	172	153
30	---	---	---	---	184	176	171	165	---	---	155	122
31	---	---	---	---	186	176	173	157	---	---	147	127
MONTH	---	---	---	---	---	---	215	152	188	138	203	122
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	143	113	130	121	91	83	105	101	133	129	---	---
2	171	102	131	128	94	85	105	101	132	129	---	---
3	167	120	136	122	95	89	106	103	133	130	---	---
4	162	131	123	111	97	86	107	103	133	130	---	---
5	155	138	136	111	95	82	108	104	132	129	138	---
6	154	143	133	117	93	84	108	105	132	128	137	133
7	161	147	126	104	96	86	109	105	132	127	135	132
8	162	138	113	103	97	90	110	106	133	130	132	130
9	152	139	107	100	97	92	112	107	133	129	132	129
10	154	141	111	100	97	91	113	108	133	130	132	129
11	147	127	118	109	94	88	115	109	134	130	132	127
12	144	128	118	99	93	86	112	110	135	132	132	130
13	149	123	111	95	92	86	113	110	136	133	132	129
14	143	120	107	96	93	87	116	111	137	134	132	131
15	139	123	106	95	93	89	116	112	138	134	132	130
16	148	139	108	88	93	90	117	113	138	135	135	128
17	154	147	103	90	94	90	116	114	138	135	135	133
18	157	154	95	84	94	90	---	---	139	135	134	133
19	164	157	98	85	93	90	123	120	139	135	134	133
20	170	164	95	90	95	91	125	121	138	134	133	132
21	170	143	99	94	95	92	125	122	137	132	136	130
22	154	134	102	99	96	92	126	122	136	133	136	134
23	136	110	102	97	98	95	127	122	136	132	135	134
24	118	109	103	91	99	96	129	125	138	133	134	133
25	115	107	100	84	100	96	128	125	139	135	133	127
26	112	104	93	82	102	97	129	126	139	134	138	127
27	112	104	92	81	102	99	130	126	138	---	139	138
28	117	111	91	79	103	100	131	127	---	---	139	136
29	123	113	89	76	102	101	132	128	---	---	138	137
30	123	119	88	78	103	100	132	129	---	---	138	137
31	---	---	86	81	---	---	132	129	---	---	---	---
MONTH	171	102	136	76	103	82	---	---	---	---	---	---

10345490 GRAY CREEK NEAR FLORISTON, CA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	8.3	8.2	8.3	8.2	8.5	8.4
2	---	---	---	---	---	---	8.3	8.2	8.3	8.3	8.5	8.4
3	---	---	---	---	---	---	8.3	8.2	8.3	8.3	8.4	8.4
4	---	---	---	---	---	---	8.3	8.2	8.3	8.3	8.5	8.4
5	---	---	---	---	---	---	8.3	8.2	8.3	8.3	8.5	8.4
6	---	---	---	---	---	---	8.3	8.2	8.3	8.3	8.5	8.4
7	---	---	---	---	8.3	8.3	8.3	8.2	8.4	8.3	8.5	8.4
8	---	---	---	---	8.4	8.3	8.3	8.3	8.3	8.3	8.5	8.4
9	---	---	---	---	8.4	8.3	8.3	8.3	8.3	8.3	8.5	8.4
10	---	---	---	---	8.4	8.3	8.3	8.2	8.3	8.3	8.5	8.4
11	---	---	---	---	8.4	8.3	8.3	8.2	8.4	8.3	8.6	8.4
12	---	---	---	---	8.3	8.3	8.3	8.2	8.4	8.3	8.6	8.4
13	---	---	---	---	8.4	8.0	8.3	8.2	8.4	8.3	8.5	8.4
14	---	---	---	---	8.2	8.2	8.3	8.2	8.4	8.3	8.5	8.4
15	---	---	---	---	8.2	8.2	8.3	8.3	8.4	8.3	8.5	8.4
16	---	---	---	---	8.2	8.1	8.3	8.3	8.4	8.3	8.5	8.4
17	---	---	---	---	8.2	8.2	8.3	8.2	8.4	8.3	8.5	8.4
18	---	---	---	---	8.2	8.2	8.3	8.2	8.4	8.3	8.5	8.4
19	---	---	---	---	8.2	8.2	8.3	8.2	8.4	8.3	8.6	8.4
20	---	---	---	---	8.2	8.2	8.3	8.2	8.4	8.3	8.6	8.4
21	---	---	---	---	8.2	8.2	8.3	8.2	8.5	8.3	8.6	8.4
22	---	---	---	---	8.2	8.2	8.3	8.2	8.5	8.3	8.6	8.4
23	---	---	---	---	8.2	8.2	8.3	8.2	8.5	8.4	8.6	8.4
24	---	---	---	---	8.2	8.2	8.2	8.2	8.5	8.4	8.6	8.4
25	---	---	---	---	8.2	8.2	8.3	8.2	8.5	8.4	8.6	8.4
26	---	---	---	---	8.2	8.2	8.3	8.3	8.5	8.3	8.7	8.4
27	---	---	---	---	8.3	8.2	8.3	8.3	8.5	8.4	8.7	8.4
28	---	---	---	---	8.3	8.2	8.3	8.3	8.5	8.3	8.6	8.2
29	---	---	---	---	8.3	8.2	8.3	8.2	---	---	8.4	8.1
30	---	---	---	---	8.3	8.2	8.2	8.2	---	---	8.4	8.1
31	---	---	---	---	8.3	8.2	8.3	8.2	---	---	8.3	8.1
MONTH	---	---	---	---	---	---	8.3	8.2	8.5	8.2	8.7	8.1
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.3	8.1	8.3	8.2	7.9	7.8	8.1	8.0	8.3	8.1	8.3	8.2
2	8.3	8.1	8.4	8.2	7.9	7.8	8.1	8.0	8.3	8.1	8.4	8.2
3	8.3	8.1	8.4	8.2	8.0	7.8	8.1	8.0	8.3	8.1	8.4	8.2
4	8.3	8.1	8.4	8.2	8.0	7.8	8.1	8.0	8.2	8.1	8.4	8.2
5	8.2	8.1	8.4	8.2	8.0	7.8	8.1	8.0	8.2	8.1	8.3	8.2
6	8.3	8.1	8.3	8.2	8.0	7.8	8.1	8.0	8.2	8.1	8.3	8.2
7	8.3	8.1	8.3	8.2	7.9	7.8	8.1	8.0	8.3	8.1	8.3	8.2
8	8.3	8.1	8.3	8.1	8.0	7.8	8.2	8.0	8.3	8.1	8.3	8.2
9	8.2	8.1	8.3	8.2	7.9	7.8	8.2	8.0	8.3	8.1	8.3	8.2
10	8.3	8.2	8.3	8.2	8.0	7.9	8.2	8.0	8.3	8.1	8.3	8.2
11	8.3	8.1	8.3	8.2	8.0	7.9	8.2	8.1	8.3	8.2	8.3	8.2
12	8.3	8.1	8.3	8.2	8.0	7.9	8.2	8.1	8.3	8.2	8.3	8.2
13	8.3	8.1	8.3	8.1	8.1	7.9	8.2	8.1	8.3	8.2	8.3	8.2
14	8.3	8.0	8.2	8.1	8.0	7.9	8.3	8.1	8.3	8.2	8.3	8.2
15	8.1	7.9	8.2	7.9	8.0	7.9	8.3	8.1	8.3	8.2	8.3	8.2
16	8.1	8.0	8.1	7.8	8.0	7.9	8.3	8.1	8.3	8.2	8.3	8.2
17	8.1	8.0	8.1	7.8	8.0	7.9	8.2	8.1	8.3	8.2	8.3	8.2
18	8.2	8.1	7.9	7.8	8.0	7.9	8.2	8.0	8.3	8.2	8.3	8.2
19	8.3	8.1	7.9	7.7	8.1	7.9	8.3	8.0	8.3	8.2	8.3	8.2
20	8.3	8.2	7.9	7.9	8.1	7.9	8.3	8.1	8.3	8.2	8.3	8.2
21	8.3	8.2	8.0	7.9	8.0	7.9	8.2	8.1	8.3	8.2	8.4	8.2
22	8.4	8.2	8.0	7.9	8.0	7.9	8.2	8.1	8.3	8.2	8.4	8.2
23	8.4	8.2	8.0	7.9	8.1	7.9	8.2	8.1	8.3	8.2	8.4	8.2
24	8.3	8.2	8.1	7.9	8.1	7.9	8.2	8.1	8.3	8.2	8.4	8.2
25	8.3	8.2	8.0	7.9	8.1	8.0	8.2	8.1	8.3	8.2	8.4	8.2
26	8.3	8.2	8.0	7.9	8.1	7.9	8.2	8.1	8.3	8.2	8.4	8.2
27	8.3	8.2	8.0	7.9	8.1	8.0	8.3	8.1	8.4	8.2	8.4	8.2
28	8.3	8.2	8.0	7.8	8.1	8.0	8.2	8.1	8.4	8.2	8.3	8.2
29	8.3	8.2	8.0	7.8	8.1	8.0	8.3	8.1	8.4	8.2	8.3	8.2
30	8.3	8.2	8.0	7.8	8.1	8.0	8.2	8.1	8.3	8.2	8.3	8.2
31	---	---	8.0	7.8	---	---	8.3	8.1	8.4	8.2	---	---
MONTH	8.4	7.9	8.4	7.7	8.1	7.8	8.3	8.0	8.4	8.1	8.4	8.2

10345490 GRAY CREEK NEAR FLORISTON, CA--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	21	6.0	---	---	280	2.1
2	---	---	---	---	---	---	98	0.1	---	---	210	1.6
3	---	---	---	---	---	---	44	9.0	---	---	140	1.8
4	---	---	---	---	---	---	97	2.8	---	---	31	4.2
5	---	---	---	---	---	---	22	6.3	---	---	110	5.7
6	---	---	---	---	---	---	42	11	---	---	150	6.3
7	---	---	---	---	64	7.5	42	11	29	2.8	42	6.5
8	---	---	---	---	73	4.6	20	7.6	22	2.9	210	2.0
9	---	---	---	---	25	6.6	29	5.4	62	3.8	68	2.4
10	---	---	---	---	29	6.0	22	4.6	29	3.2	98	4.6
11	---	---	---	---	28	4.4	52	4.0	12	3.1	31	3.8
12	---	---	---	---	52	3.4	11	2.6	12	2.9	23	6.8
13	---	---	---	---	19	4.9	32	1.7	33	2.9	50	5.1
14	---	---	---	---	34	1.4	13	1.3	32	3.9	42	3.4
15	---	---	---	---	18	0.6	6.8	0.7	19	3.4	85	1.3
16	---	---	---	---	28	1.3	8.3	0.7	24	3.6	83	1.9
17	---	---	---	---	80	7.7	13	2.3	50	3.0	37	1.7
18	---	---	---	---	39	3.8	11	1.5	38	2.9	150	0.9
19	---	---	---	---	18	5.1	18	2.3	31	3.3	65	2.3
20	---	---	---	---	16	4.1	13	2.6	47	7.0	76	4.9
21	---	---	---	---	21	3.6	19	4.5	25	6.4	82	4.8
22	---	---	---	---	14	2.6	7.8	1.9	48	5.3	75	6.5
23	---	---	---	---	12	3.7	8.5	1.9	62	7.7	25	6.4
24	---	---	---	---	19	1.4	8.3	2.1	120	5.4	30	5.2
25	---	---	---	---	24	1.4	---	---	22	4.3	18	4.4
26	---	---	---	---	71	7.4	---	---	24	4.2	13	4.2
27	---	---	---	---	22	5.3	---	---	170	5.0	31	4.1
28	---	---	---	---	98	5.3	---	---	40	3.6	57	6.7
29	---	---	---	---	22	5.3	---	---	---	---	150	12
30	---	---	---	---	49	4.1	8.4	2.3	---	---	160	21
31	---	---	---	---	46	8.9	16	1.8	---	---	190	25
MONTH	---	---	---	---	---	---	---	---	---	---	280	0.9

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	280	25	50	3.5	94	30	11	3.5	4.6	0.9	7.6	0.6
2	440	32	21	3.2	79	20	11	3.3	37	1.0	5.6	0.3
3	930	6.5	32	3.2	230	19	19	3.4	7.6	1.1	8.1	0.3
4	550	69	40	5.0	74	14	14	3.1	6.9	0.5	7.4	0.7
5	160	38	93	5.9	110	16	23	2.6	13	0.9	7.5	0.6
6	60	25	110	12	660	26	9.8	2.5	16	0.9	15	0.6
7	49	18	72	15	260	21	11	2.7	6.7	0.9	6.9	0.2
8	60	17	40	12	180	24	10	2.4	6.6	0.6	7.5	0.1
9	43	15	290	9.1	88	14	16	1.5	4.8	0.8	19	0.3
10	33	11	33	8.5	42	12	10	1.5	7.6	1.2	2.9	0.1
11	87	12	22	4.5	34	11	13	2.4	12	1.2	6.2	0.0
12	79	16	91	6.4	22	8.5	6.8	1.7	17	1.4	24	0.3
13	440	15	220	10	29	7.9	8.8	2.1	6.1	1.3	4.8	0.2
14	3400	34	---	---	25	7.6	17	1.9	9.7	1.1	8.1	0.0
15	---	---	---	---	18	7.7	6.0	1.6	7.3	1.1	14	0.0
16	---	---	---	---	16	7.0	12	1.7	9.9	1.1	9.8	0.1
17	---	---	---	---	19	7.2	9.7	0.7	7.1	0.7	6.7	0.1
18	---	---	---	---	18	7.2	---	---	10	0.6	13	0.1
19	---	---	---	---	16	7.5	180	2.0	7.3	0.6	4.8	0.1
20	31	8.0	130	15	20	6.1	10	2.0	9.5	0.9	16	0.1
21	32	5.7	26	10	18	7.3	8.6	1.5	6.9	0.5	8.5	0.0
22	29	6.7	19	7.6	19	5.5	7.3	1.3	7.5	0.5	7.9	0.3
23	40	6.8	220	6.0	32	5.7	11	1.7	4.1	0.5	6.0	0.1
24	56	7.6	52	8.1	16	4.5	6.9	1.6	7.1	0.5	6.1	0.0
25	47	8.3	77	7.1	31	5.5	9.2	1.4	6.3	0.1	4.7	0.2
26	36	10	190	9.8	19	5.6	8.5	1.2	15	0.7	8.7	0.1
27	26	7.4	110	11	17	4.7	7.9	1.3	12	0.5	14	0.1
28	20	4.9	110	11	17	4.3	11	1.6	8.0	0.5	4.0	0.1
29	21	5.5	400	17	14	3.8	12	1.7	6.9	0.6	7.2	0.2
30	16	4.2	590	24	16	3.5	12	1.4	5.6	0.4	14	0.1
31	---	---	220	35	---	---	16	1.4	5.9	0.5	---	---
MONTH	---	---	---	---	660	3.5	---	---	37	0.1	24	0.0

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV						
27...	1410	e7.8	0.0	102	e2.1	--
DEC						
06...	1720	e7.9	3.0	100	e2.1	--
JAN						
03...	1520	9.2	1.5	70	1.7	--
25...	1115	e7.0	0.0	26	e.49	--
FEB						
28...	1200	e8.2	4.0	112	e2.5	--
MAR						
28...	1340	10	10.0	34	.92	--
APR						
19...	1310	21	3.5	46	2.6	--
MAY						
07...	1835	33	9.0	286	25.5	--
16...	1740	60	12.5	596	96.6	28
16...	1940	66	9.5	864	154	39
19...	1935	49	7.5	314	41.5	20
31...	1005	35	7.5	245	23.2	--
JUN						
12...	1450	30	15.0	21	1.7	--
JUL						
16...	1255	15	18.0	6.0	.24	--
AUG						
07...	1400	11	16.5	4.0	.12	--
27...	1305	8.9	15.0	3.0	.07	--

CROSS-SECTIONAL DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DEPTH BOTTOM AT SAMPLE LOC-ATION, (FEET) (81903)	SAM-PLING DEPTH (FEET) (00003)	TUR-BID-ITY (NTU) (00076)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)
JUL								
16...*	1251	1.50	.70	4.0	8.2	120	17.9	.50
16...*	1252	1.50	.70	4.0	8.2	120	17.9	1.50
16...*	1253	1.60	.70	4.0	8.2	120	17.9	2.50
16...*	1254	1.50	.70	4.0	8.2	120	18.0	3.50
16...*	1255	1.50	.70	4.0	8.2	120	18.0	4.50

* Instantaneous discharge at time of cross-sectional measurement: 15 ft^3/s.
e Estimated

PYRAMID AND WINNEMUCCA LAKES BASIN

10346000 TRUCKEE RIVER AT FARAD, CA

LOCATION.--Lat 39°25'41", long 120°01'59", in SE $^1/_4$ NE $^1/_4$ sec.12, T.18 N., R.17 E., Nevada County, Hydrologic Unit 16050102, on left bank, 0.5 mi upstream from Mystic Canyon, 0.7 mi downstream from Farad Powerplant, 2.5 mi north of Floriston, 3.5 mi upstream from California-Nevada State line and at mi 81.89 upstream from Marble Bluff Dam.

DRAINAGE AREA.--932 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March to October 1890 (monthly discharge only), September 1899 to current year. Monthly discharge only for January 1944 to July 1957, published in WSP 1734. Published as "near Boca," March to October 1890, "at or near Nevada-California State Line," September 1899 to August 1912, and as "at Iceland," August 1912 to December 1937.

CHEMICAL DATA: Water years 1951–61, 1964–81. Published as Truckee River at Floriston (station 10345900) January 1964 to September 1971.

BIOLOGICAL DATA: Water years 1975–77.

SPECIFIC CONDUCTANCE: Water years 1964–80, 1993–98.

WATER TEMPERATURE: Water years 1964–81, 1993–98.

SUSPENDED SEDIMENT: Water years 1974, 1978.

REVISED RECORDS.--WSP 1714: Drainage area. WDR CA-88-3: 1906-07 (monthly runoff).

GAGE.--Water-stage recorder. Datum of gage is 5,153.21 ft above NGVD of 1929 (U.S. Bureau of Reclamation benchmark). See WSP 2127 for history of changes prior to August 26, 1957.

REMARKS.--Records good. Flow regulated by Lake Tahoe and Donner, Martis Creek, and Independence Lakes, and Prosser Creek, Stampede, and Boca Reservoirs (stations 10337000, 10338400, 10339380, 10342900, 10340300, 10344300, and 10344490), and by several powerplants. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 17,500 ft^3/s, November 21, 1950, gage height, 14.5 ft, present datum, from floodmarks, from slope-area measurement of peak flow; minimum, 37 ft^3/s, September 15, 1933.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	494	344	316	330	e285	402	708	965	1640	384	468	447
2	483	339	393	301	284	384	798	932	1530	520	466	447
3	481	335	312	328	284	372	869	966	1370	550	465	444
4	479	324	280	301	280	377	989	1040	1320	557	460	450
5	475	323	319	293	275	400	1070	1100	1290	566	451	490
6	474	319	320	364	281	486	996	1140	1220	563	391	496
7	470	322	320	426	300	554	966	1130	1170	563	395	494
8	468	327	279	339	331	485	990	1080	1110	577	392	485
9	465	328	226	297	320	456	1120	1040	1010	571	399	494
10	410	334	226	282	318	446	1070	1010	874	569	398	495
11	395	342	297	286	340	417	1210	942	757	580	398	496
12	373	336	322	279	344	413	1270	953	704	580	397	502
13	370	339	322	282	348	424	1330	1010	693	568	388	499
14	366	317	336	291	350	391	1430	1050	702	565	388	510
15	364	325	320	281	355	343	1550	1040	673	568	398	502
16	360	329	320	296	350	329	1200	1090	629	566	395	502
17	359	327	340	301	354	328	1120	1170	627	569	393	499
18	361	320	319	279	333	334	1070	1240	642	587	392	494
19	356	327	315	277	339	336	921	1200	520	573	390	496
20	353	325	332	273	417	344	913	1080	450	567	388	491
21	348	330	327	279	398	342	892	975	473	562	398	495
22	351	474	321	289	401	361	901	989	463	555	395	492
23	359	329	321	291	448	411	1010	1040	474	553	397	490
24	354	424	316	298	423	411	1100	1010	463	556	394	492
25	352	430	332	293	408	397	1190	1030	481	554	402	491
26	326	357	339	294	406	392	1320	1050	501	566	403	493
27	319	333	341	290	412	409	1180	1040	489	563	404	491
28	316	319	349	284	408	452	1260	1040	473	561	410	495
29	326	327	320	295	---	512	1270	1060	452	561	451	490
30	338	325	341	292	---	578	1180	1150	446	561	445	483
31	363	---	366	e285	---	646	---	1560	---	550	446	---
TOTAL	12108	10230	9887	9296	9792	12932	32893	33122	23646	17285	12757	14645
MEAN	390.6	341.0	318.9	299.9	349.7	417.2	1096	1068	788.2	557.6	411.5	488.2
MAX	494	474	393	426	448	646	1550	1560	1640	587	468	510
MIN	316	317	226	273	275	328	708	932	446	384	388	444
AC-FT	24020	20290	19610	18440	19420	25650	65240	65700	46900	34280	25300	29050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	385.9	420.9	534.4	598.2	661.6	803.3	1273	1722	1267	659.5	512.9	469.0
MAX	982	2469	3596	6115	3254	4073	3887	5674	5214	2921	1084	1482
(WY)	1972	1984	1984	1997	1997	1986	1952	1952	1983	1983	1975	1983
MIN	51.0	55.6	80.4	77.7	85.3	142	369	349	142	53.9	53.9	47.3
(WY)	1978	1991	1991	1991	1933	1933	1977	1934	1931	1931	1931	1933

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1909 - 2002	
ANNUAL TOTAL	182936		198593			
ANNUAL MEAN	501.2		544.1		768.8	
HIGHEST ANNUAL MEAN					2443	1983
LOWEST ANNUAL MEAN					184	1931
HIGHEST DAILY MEAN	713	May 16	1640	Jun 1	13400	Dec 23 1955
LOWEST DAILY MEAN	226	Dec 9	226	Dec 9	37	Sep 15 1933
ANNUAL SEVEN-DAY MINIMUM	281	Dec 4	281	Dec 4	40	Sep 9 1933
MAXIMUM PEAK FLOW			1770	Apr 14	17500	Nov 21 1950
MAXIMUM PEAK STAGE			5.39	Apr 14	14.50	Nov 21 1950
ANNUAL RUNOFF (AC-FT)	362900		393900		557000	
10 PERCENT EXCEEDS	593		1070		1680	
50 PERCENT EXCEEDS	530		424		505	
90 PERCENT EXCEEDS	327		301		205	

e Estimated

10346000 TRUCKEE RIVER AT FARAD, CA--Continued

PRECIPITATION RECORDS

PERIOD OF RECORD.— April 1999 to current year.
INSTRUMENTATION.—Recording-weighing gage.
EXTREMES FOR PERIOD OF RECORD.—Maximum daily precipitation, 1.97 in., January 24, 2000, December 2, 2001; no precipitation for many days in each year.
EXTREMES FOR CURRENT YEAR.—Maximum daily precipitation, 1.97 in., December 2; no precipitation for many days.

PRECIPITATION, TOTAL, INCHES , WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	1.97	0.70	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
3	0.00	0.00	0.50	0.03	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.07	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.05	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.04	0.50	0.29	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.03	0.07	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.04	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.03	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
12	0.00	0.46	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.15	0.00	0.00
13	0.00	0.00	0.10	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.46	0.00	0.03	0.13	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.03	0.00	0.11	0.00	0.09	0.00	0.00	0.00	0.00	0.00
16	0.00	0.04	0.00	0.00	0.00	0.07	0.15	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.44	0.03	0.14	0.00	0.09	0.00	0.00	0.49	0.00	0.00
18	0.00	0.00	0.00	0.03	0.00	0.03	0.14	0.03	0.00	0.03	0.00	0.00
19	0.00	0.00	0.00	0.00	0.36	0.00	0.06	0.00	0.00	0.00	0.00	0.00
20	0.00	0.03	0.18	0.00	0.04	0.00	0.03	0.10	0.00	0.00	0.00	0.00
21	0.00	0.70	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.82	0.15	0.00	0.00	0.11	0.00	0.11	0.00	0.00	0.00	0.00
23	0.00	0.00	0.05	0.00	0.03	0.14	0.00	0.06	0.00	0.04	0.00	0.00
24	0.00	1.27	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
26	0.00	0.03	0.00	0.32	0.00	0.00	0.22	0.09	0.03	0.00	0.00	0.00
27	0.00	0.00	0.00	0.16	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00
28	0.00	0.18	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.23	0.07	0.00	---	0.03	0.60	0.00	0.00	0.00	0.00	0.00
30	0.40	0.00	0.26	0.03	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.03	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.40	4.10	4.87	1.55	1.27	2.55	1.59	0.46	0.07	0.71	0.00	0.00

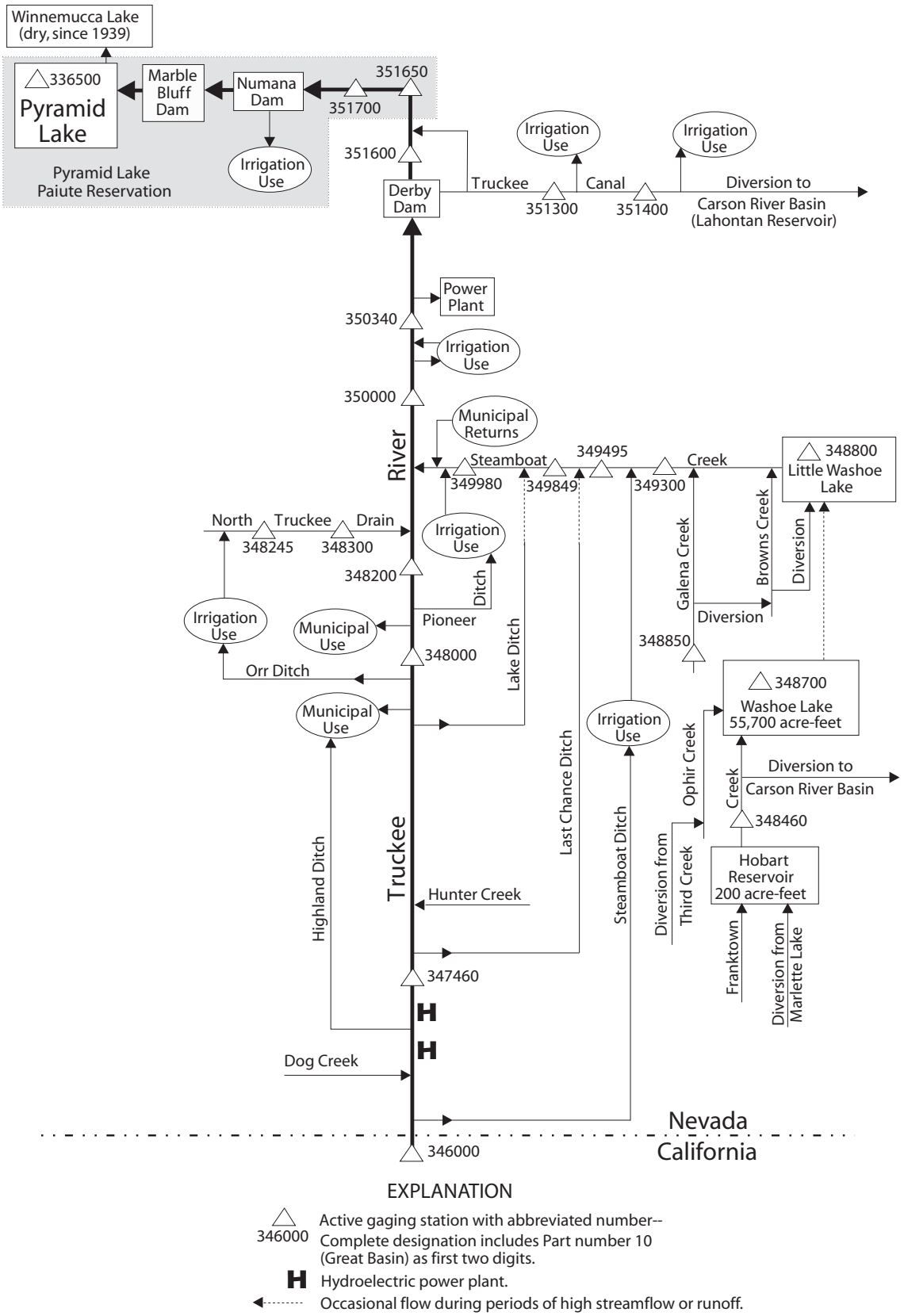

Figure 26. Schematic diagram of flow system and gaging stations in the Pyramid and Winnemucca Lakes basin downstream from station 346000.

PYRAMID AND WINNEMUCCA LAKES BASIN

10347460 TRUCKEE RIVER NEAR MOGUL, NV

LOCATION.--Lat 39°30'26", long 119°55'51", in SW $^1/_4$ SW $^1/_4$ sec.14 T.19 N., R.18 E., Washoe County, Hydrologic Unit 16050102, on left bank, at bridge crossing,0.5 mi southwest of Mogul, and at mi 68.74, upstream from Marble Bluff Dam.

DRAINAGE AREA.--1,035 mi^2.

PERIOD OF RECORD.--February 1993 to September 1995, October 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,690 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lake Tahoe (station 10337000), Martis Creek Lake (station 10339380), Prosser Creek (station 103403000, Stampede (station 10344300) and Boca (station 10344490) Reservoirs, Donner (station 10338400) and Independence (station 10342900) Lakes, and several power plants. Many diversions above station. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,500 ft^3/s, January 2, 1997, gage height, 15.85 ft; minimum daily, 2.4 ft^3/s, October 30, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,670 ft^3/s, April 15, gage height, 7.52 ft; minimum daily, 258 ft^3/s, August 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	383	391	369	398	364	385	665	939	1480	294	353	324
2	402	386	470	364	351	367	762	893	1380	393	333	330
3	397	377	412	405	345	356	829	890	1220	428	327	323
4	393	372	354	368	322	354	935	930	1150	443	322	307
5	390	369	362	364	327	376	1020	988	1130	449	314	356
6	389	366	382	390	322	437	942	1030	1070	449	271	358
7	384	362	381	513	344	570	907	1030	1030	446	258	359
8	382	373	351	424	385	486	915	984	987	462	260	354
9	386	368	296	365	367	449	1050	943	907	461	266	354
10	379	383	280	342	369	436	998	931	788	454	267	358
11	356	387	350	352	380	424	1110	861	658	466	267	361
12	344	384	377	342	393	403	1160	872	601	465	266	367
13	383	387	379	335	395	424	1220	917	580	455	263	366
14	402	368	395	350	403	400	1290	957	591	451	262	385
15	399	376	375	341	401	332	1480	933	562	497	267	381
16	397	372	384	337	402	328	1140	980	526	454	267	379
17	393	364	410	359	401	309	1070	1020	516	455	266	384
18	398	359	381	338	387	316	1040	1100	543	473	264	377
19	392	361	374	333	368	322	897	1090	450	479	264	376
20	390	366	379	349	419	327	888	979	356	455	263	374
21	384	363	387	333	408	330	870	882	361	455	269	374
22	387	508	371	335	392	338	865	875	355	452	271	373
23	395	397	376	338	432	389	961	936	363	447	276	371
24	393	433	368	362	421	406	1040	910	359	447	272	368
25	389	515	374	347	394	389	1110	901	355	438	287	370
26	368	419	388	351	383	382	1250	924	396	446	281	366
27	360	389	389	344	394	387	1110	919	385	444	296	365
28	345	377	395	340	392	418	1190	918	373	440	291	367
29	370	377	393	352	---	473	1210	922	351	436	328	365
30	371	379	378	340	---	533	1130	1010	332	431	328	360
31	408	---	422	338	---	605	---	1350	---	423	336	---
TOTAL	11909	11628	11702	11149	10661	12451	31054	29814	20155	13788	8855	10852
MEAN	384.2	387.6	377.5	359.6	380.8	401.6	1035	961.7	671.8	444.8	285.6	361.7
MAX	408	515	470	513	432	605	1480	1350	1480	497	353	385
MIN	344	359	280	333	322	309	665	861	332	294	258	307
AC-FT	23620	23060	23210	22110	21150	24700	61600	59140	39980	27350	17560	21520

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2002, BY WATER YEAR (WY)

MEAN	322.2	313.6	607.4	1170	971.8	1108	1190	1667	1312	683.7	448.2	392.4
MAX	565	487	2124	6233	3291	2313	1961	2939	2934	1537	763	602
(WY)	1999	1997	1997	1997	1997	1997	1998	1999	1998	1995	1995	1998
MIN	14.9	39.2	109	121	142	285	487	460	481	63.8	18.0	13.5
(WY)	1995	1994	1995	1994	1994	1994	2001	2001	2001	1994	1994	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1993 - 2002	
ANNUAL TOTAL	169857		184018			
ANNUAL MEAN	465.4		504.2		858.3	
HIGHEST ANNUAL MEAN					1707	1997
LOWEST ANNUAL MEAN					297	1994
HIGHEST DAILY MEAN	659	Mar 26	1480	Apr 15	15200	Jan 2 1997
LOWEST DAILY MEAN	280	Dec 10	258	Aug 7	2.4	Oct 30 1994
ANNUAL SEVEN-DAY MINIMUM	343	Dec 5	264	Aug 7	3.3	Oct 29 1994
MAXIMUM PEAK FLOW			1670	Apr 15	17500	Jan 2 1997
MAXIMUM PEAK STAGE			7.52	Apr 15	15.85	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	336900		365000		621800	
10 PERCENT EXCEEDS	553		979		2120	
50 PERCENT EXCEEDS	483		387		491	
90 PERCENT EXCEEDS	377		326		120	

PRECIPITATION RECORDS

PERIOD OF RECORD.— October 1998 to current year.

INSTRUMENTATION.—Recording-weighing gage since October 15, 1998.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily precipitation, 1.69 in., January 24, 2000; no precipitation most days.

EXTREMES FOR CURRENT YEAR.—Maximum daily precipitation, 1.50 in., December 2; no precipitation most days.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.05	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	1.50	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.09	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	---	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	---	0.50	0.15	0.00	0.00	0.00	0.00	0.00	0.00
8	0.02	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	---	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	---	0.00	0.03	0.00	0.08	0.00	0.00	0.00	0.00
11	0.00	0.16	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.23	0.00	---	0.00	0.01	0.00	0.00	0.00	0.04	0.00	0.00
13	0.00	0.00	0.04	---	0.07	0.04	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.28	---	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.01	---	0.15	0.00	0.01	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.01	---	0.07	0.00	0.02	0.00	0.00	0.04	0.00	0.00
18	0.00	0.00	0.00	---	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00
20	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
21	0.00	0.26	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.60	0.01	0.00	0.00	0.02	0.00	0.07	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	1.07	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
26	0.00	0.00	0.00	0.25	0.00	0.00	0.10	0.00	0.13	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.06	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.07	0.00	0.01	---	0.00	0.49	0.00	0.00	0.00	0.00	0.00
30	0.25	0.00	0.02	0.00	---	0.00	0.10	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.27	2.46	2.03	---	0.84	0.87	0.87	0.21	0.15	0.08	0.00	0.00

PYRAMID AND WINNEMUCCA LAKES BASIN

10348000 TRUCKEE RIVER AT RENO, NV

LOCATION.--Lat 39°31'49", long 119°47'41", in SW $^1/_4$ NE $^1/_4$ sec.12, T.19 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on left bank, adjacent to Scott Island, 700 ft downstream from Kirman Avenue bridge, 0.4 mi upstream from Kietzke Lane bridge, 5.4 mi upstream from Steamboat Creek, and at mi 59.52 upstream from Marble Bluff Dam.

DRAINAGE AREA.--1,067 mi^2, approximately.

PERIOD OF RECORD.--July 1906 to September 1921, June 1925 to September 1926, January 1930 to December 1934, January to December 1943, January 1946 to current year.

REVISED RECORDS.--WDR NV-97-1: 1996.

GAGE.--Water-stage recorder. Datum of gage is 4,444.53 ft above NGVD of 1929. July 1906 to September 1946, staff gages at sites 0.5 mi to 1.0 mi upstream at different datums. January 1946 to July 1999 at site 0.5 mi downstream, at datum 12.56 ft lower.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lake Tahoe (station 10337000), Martis Creek Lake (station 10339380), Prosser Creek (station 10340300), Stampede (station 10344300) and Boca (station 10344490) Reservoirs, Donner (station 10338400) and Independence (station 10342900) Lakes, and several power plants. Many diversions above station. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,800 ft^3/s, December 23, 1955, gage height, 13.63 ft; maximum gage height 14.94 ft, January 2, 1997; no flow September 12, 14-24, 26-30, 1926.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,500 ft^3/s, April 15, gage height, 6.47 ft; minimum daily, 173 ft^3/s, August 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUE

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	327	322	317	352	306	386	633	917	1310	230	279	231
2	337	316	468	321	295	372	730	856	1230	263	255	235
3	319	309	395	357	291	361	778	840	1110	300	248	235
4	321	300	308	316	283	358	870	894	1020	317	246	229
5	321	297	307	312	281	373	958	942	1010	322	235	268
6	325	283	334	316	278	421	897	980	953	325	202	283
7	321	277	335	444	295	588	857	997	897	322	173	284
8	328	306	310	376	357	507	855	935	844	345	182	280
9	326	293	246	319	329	464	985	882	791	340	181	278
10	341	308	230	299	317	444	927	889	698	333	185	275
11	303	327	277	305	321	425	1010	829	587	336	184	285
12	294	320	318	295	335	402	1050	820	511	339	187	282
13	292	329	329	283	346	424	1090	840	479	336	183	278
14	296	313	348	303	350	404	1130	877	487	329	180	292
15	299	301	328	290	352	346	1360	853	462	356	185	285
16	302	316	335	285	347	340	1100	896	420	331	183	287
17	293	322	355	317	351	317	994	898	404	342	184	296
18	300	318	326	302	335	319	980	962	425	371	179	279
19	298	309	322	298	315	323	862	966	360	371	182	276
20	302	311	328	292	378	326	839	894	260	332	184	289
21	289	308	340	291	414	331	818	813	260	329	183	308
22	288	450	317	296	390	334	824	765	260	337	190	307
23	300	364	326	295	423	382	877	839	267	324	185	321
24	300	383	315	296	427	405	945	815	270	326	183	311
25	294	502	316	312	401	394	1010	801	257	321	198	312
26	280	375	333	302	388	378	1170	832	285	342	192	317
27	271	335	337	295	393	379	1060	841	277	356	202	315
28	258	323	340	290	403	417	1120	823	273	339	192	312
29	290	329	352	283	---	467	1160	818	255	335	231	319
30	283	330	327	280	---	519	1100	882	235	334	231	325
31	336	---	368	280	---	591	---	1170	---	325	234	---
TOTAL	9434	9876	10187	9602	9701	12497	28989	27366	16897	10208	6238	8594
MEAN	304.3	329.2	328.6	309.7	346.5	403.1	966.3	882.8	563.2	329.3	201.2	286.5
MAX	341	502	468	444	427	591	1360	1170	1310	371	279	325
MIN	258	277	230	280	278	317	633	765	235	230	173	229
AC-FT	18710	19590	20210	19050	19240	24790	57500	54280	33520	20250	12370	17050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907 - 2002, BY WATER YEAR (WY)

MEAN	281.2	418.6	563.4	668.8	740.1	901.4	1232	1510	1062	432.0	257.8	254.0
MAX	977	2513	3638	6177	3336	4448	4138	5679	4883	2500	1261	1302
(WY)	1908	1984	1984	1997	1997	1986	1907	1952	1983	1983	1907	1983
MIN	27.7	36.1	53.9	64.9	85.5	127	198	95.4	44.7	16.0	10.4	5.03
(WY)	1993	1933	1933	1933	1933	1933	1977	1934	1931	1931	1931	1926

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1907 - 2002	
ANNUAL TOTAL	140992		159589			
ANNUAL MEAN	386.3		437.2		695.7	
HIGHEST ANNUAL MEAN					2350	1983
LOWEST ANNUAL MEAN					106	1931
HIGHEST DAILY MEAN	557	Mar 26	1360	Apr 15	16200	Dec 23 1955
LOWEST DAILY MEAN	230	Dec 10	173	Aug 7	0.00	Sep 12 1926
ANNUAL SEVEN-DAY MINIMUM	282	Oct 24	182	Aug 7	0.00	Sep 14 1926
MAXIMUM PEAK FLOW			1500	Apr 15	20800	Dec 23 1955
MAXIMUM PEAK STAGE			6.47	Apr 15	14.94	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	279700		316500		504000	
10 PERCENT EXCEEDS	485		895		1710	
50 PERCENT EXCEEDS	374		326		383	
90 PERCENT EXCEEDS	308		247		121	

PYRAMID AND WINNEMUCCA LAKES BASIN

10348200 TRUCKEE RIVER NEAR SPARKS, NV

LOCATION.--Lat 39°31'11", long 119°44'27", in NW $^1/_4$ NE $^1/_4$ sec.16, T.19 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on left bank, 400 ft upstream from McCarran Boulevard bridge, 1 mi south of Southern Pacific Railroad in Sparks, 2.5 mi upstream from Steamboat Creek, and at mi 56.15 upstream from Marble Bluff Dam.

DRAINAGE AREA.--1,070 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,382.41 ft above NGVD of 1929 (U.S. Army Corps of Engineers benchmark).

REMARKS.--Records good. Flow regulated by Lake Tahoe (station 10337000), Martis Creek Lake (station 10339380), Prosser Creek (station 10340300), Stampede (station 10344300) and Boca (station 10344490) Reservoirs, Donner (station 10338400) and Independence (station 10342900) Lakes, and several powerplants. Many diversions above station. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 18,000 ft^3/s (comparison with upstream and downstream stations), January 2, 1997, recorded gage height, 17.06 ft (flow overbank and around gage); no flow many days August, September, and October 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,760 ft^3/s, April 15, gage height, 7.17 ft; minimum daily, 128 ft^3/s, August 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	267	284	279	313	e278	352	603	942	1370	196	241	181
2	282	280	454	289	261	338	719	865	1290	197	208	197
3	268	274	375	318	254	327	780	834	1140	246	196	196
4	271	265	275	282	247	324	909	888	1020	259	195	168
5	268	261	271	276	243	342	1020	938	1020	265	184	e210
6	271	248	299	277	242	383	957	979	949	271	157	241
7	268	240	303	402	257	555	908	1010	891	267	128	239
8	284	263	280	344	315	473	903	937	849	304	135	234
9	287	257	218	291	290	432	1050	877	790	292	131	235
10	300	264	201	264	280	410	993	883	685	284	136	238
11	262	283	238	263	282	396	1110	824	548	283	134	237
12	253	280	277	251	297	374	1160	804	467	281	143	e229
13	245	286	290	239	307	393	1230	828	428	281	134	e234
14	244	267	312	257	313	376	1280	863	437	277	131	247
15	247	256	290	246	314	322	1550	830	414	302	133	239
16	257	272	297	240	309	314	1200	882	376	282	131	244
17	242	279	317	274	313	291	1070	886	360	288	133	250
18	245	278	289	262	302	293	1050	949	383	337	131	232
19	242	271	281	258	279	296	904	960	324	339	132	230
20	247	279	288	262	335	300	869	889	219	294	133	241
21	235	273	302	250	381	e302	842	797	216	274	133	263
22	250	417	281	255	353	e314	848	711	218	274	142	263
23	269	343	289	256	383	347	914	800	224	269	136	284
24	270	366	278	259	393	371	994	774	245	268	141	273
25	264	480	278	269	367	362	1070	757	212	264	e140	273
26	252	350	295	264	355	348	1240	786	239	281	e137	273
27	238	303	301	259	357	348	1100	797	237	298	153	274
28	227	290	307	256	368	381	1160	777	223	284	146	271
29	249	291	320	254	---	428	1240	773	206	281	177	278
30	245	288	288	e251	---	480	1150	846	187	277	182	289
31	293	---	328	e258	---	558	---	1180	---	271	183	---
TOTAL	8042	8788	9101	8439	8675	11530	30823	26866	16167	8586	4716	7263
MEAN	259.4	292.9	293.6	272.2	309.8	371.9	1027	866.6	538.9	277.0	152.1	242.1
MAX	300	480	454	402	393	558	1550	1180	1370	339	241	289
MIN	227	240	201	239	242	291	603	711	187	196	128	168
AC-FT	15950	17430	18050	16740	17210	22870	61140	53290	32070	17030	9350	14410

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2002, BY WATER YEAR (WY)

MEAN	247.9	437.8	624.1	759.1	870.1	1076	1163	1526	1017	431.9	234.8	258.2
MAX	728	2573	3716	6500	3342	4590	3104	3965	5039	2586	802	1199
(WY)	1983	1984	1984	1997	1997	1986	1983	1982	1983	1983	1983	1983
MIN	2.53	33.9	54.2	71.6	66.4	218	225	132	30.7	27.6	0.27	0.000
(WY)	1995	1991	1991	1991	1991	1992	1992	1992	1992	1992	1994	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1977 - 2002	
ANNUAL TOTAL	128942		148996			
ANNUAL MEAN	353.3		408.2		729.2	
HIGHEST ANNUAL MEAN					2373	1983
LOWEST ANNUAL MEAN					88.7	1992
HIGHEST DAILY MEAN	633	Mar 26	1550	Apr 15	15000	Jan 2 1997
LOWEST DAILY MEAN	201	Dec 10	128	Aug 7	0.00	Aug 13 1992
ANNUAL SEVEN-DAY MINIMUM	244	May 22	132	Aug 14	0.00	Sep 4 1992
MAXIMUM PEAK FLOW			1760	Apr 15	18000	Jan 2 1997
MAXIMUM PEAK STAGE			7.17	Apr 15	17.06	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	255800		295500		528200	
10 PERCENT EXCEEDS	492		906		2030	
50 PERCENT EXCEEDS	318		283		340	
90 PERCENT EXCEEDS	265		199		84	

e Estimated

PERIOD OF RECORD.--Water years 1988 to September 1995; October 2000 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: August 1993 to September 1995; October 2000 to current year.
WATER TEMPERATURE: June 1988 to September 1995; October 2000 to current year.

INSTRUMENTATION.--Specific-conductance recorder from August 1993 to September 1995, four times per hour; October 2000 to April 2001, hourly; May 2001 to current year, four times per hour. Temperature recorder from June 1988 to July 1993, hourly; August 1993 to September 1995, four times per hour; October 2000 to April 2001, hourly; May 2001 to current year, four times per hour.

REMARKS.--Records represent water temperature at probe within 0.5°C. Interruptions in the record were due to instrument malfunction.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 687 microsiemens, January 5, 1995; minimum recorded, 69 microsiemens, May 19 and 31, 2002.
WATER TEMPERATURE: Maximum, 30.5°C, August 12, 1991; minimum, freezing point on many days during winter months of most years.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 352 microsiemens, January 29; minimum recorded, 69 microsiemens, May 19 and 31.
WATER TEMPERATURE: Maximum recorded, 25.5°C, August 14; minimum, freezing point on many days during winter months.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	156	147	151	127	122	124	146	140	143	160	152	157
2	171	123	147	127	122	125	206	138	163	181	160	164
3	172	119	141	128	122	126	345	151	208	198	167	172
4	126	124	125	130	122	127	206	163	172	182	174	178
5	125	122	124	132	121	127	182	164	172	182	174	178
6	125	122	123	134	121	129	180	160	166	178	168	172
7	129	121	123	137	112	128	168	154	159	171	146	161
8	126	120	123	138	111	127	161	156	159	159	145	151
9	125	119	122	139	111	127	171	159	164	184	159	168
10	128	117	121	139	108	126	209	158	177	175	168	172
11	124	121	123	135	111	126	187	153	172	177	170	173
12	125	120	122	136	105	127	164	139	154	172	166	170
13	127	122	124	137	110	129	156	124	145	173	167	171
14	123	118	121	144	104	128	202	147	174	174	167	170
15	123	116	120	145	101	132	168	130	149	169	163	167
16	122	117	120	145	114	132	152	144	148	171	164	168
17	122	111	118	143	110	130	172	143	150	171	161	166
18	121	117	119	142	107	130	150	142	147	165	156	161
19	121	119	120	141	124	133	149	144	147	170	160	165
20	122	118	121	131	126	129	149	144	147	174	163	170
21	122	118	120	131	127	129	147	142	145	168	158	163
22	124	120	122	153	121	129	161	143	147	168	159	163
23	123	119	121	133	122	125	218	148	164	169	156	164
24	122	118	121	222	133	157	151	144	147	168	158	164
25	124	120	122	159	137	145	150	147	149	164	150	160
26	127	120	123	148	136	141	149	143	146	164	153	159
27	128	124	126	147	143	146	145	141	143	168	152	159
28	132	126	128	147	144	146	196	142	153	162	156	159
29	133	124	128	150	145	147	176	149	156	352	162	205
30	149	124	128	149	142	145	164	155	157	225	146	184
31	142	122	127	---	---	---	169	149	156	203	168	178
MONTH	172	111	125	222	101	132	345	124	157	352	145	168

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	178	158	170	164	140	152	128	121	125	---	---	---
2	176	160	168	147	142	145	124	117	121	112	97	102
3	175	159	167	153	143	148	124	112	116	101	99	100
4	176	157	168	154	141	148	118	105	111	119	95	99
5	180	164	170	150	140	145	107	100	104	150	119	143
6	183	161	172	164	139	144	112	103	107	154	130	140
7	250	152	160	160	134	145	116	106	109	170	85	116
8	270	148	174	168	139	146	---	---	---	88	84	86
9	160	153	156	---	---	---	---	---	---	90	85	87
10	161	150	154	---	---	---	---	---	---	105	88	93
11	152	147	149	---	---	---	---	---	---	91	87	88
12	148	143	146	---	---	---	---	---	---	90	87	89
13	152	145	147	---	---	---	---	---	---	89	84	86
14	152	144	148	---	---	---	---	---	---	85	82	84
15	158	145	149	---	---	---	---	---	---	83	78	81
16	157	145	150	---	---	---	---	---	---	80	76	78
17	168	148	154	---	---	---	---	---	---	80	74	77
18	155	147	152	---	---	---	---	---	---	78	70	74
19	168	150	156	---	---	---	---	---	---	76	69	73
20	164	150	156	---	---	---	---	---	---	78	74	77
21	167	152	159	156	146	152	---	---	---	84	78	81
22	166	152	159	157	155	156	---	---	---	84	82	83
23	160	152	157	157	150	154	---	---	---	95	82	83
24	167	145	157	163	150	153	---	---	---	117	83	105
25	180	148	160	154	147	151	---	---	---	93	81	85
26	196	147	175	155	148	152	---	---	---	97	76	85
27	172	148	159	153	147	150	---	---	---	80	77	79
28	162	150	157	154	142	148	---	---	---	86	72	79
29	---	---	---	145	136	141	---	---	---	76	71	74
30	---	---	---	142	132	135	---	---	---	77	73	75
31	---	---	---	133	125	129	---	---	---	78	69	73
MONTH	270	143	159	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	80	72	75	173	126	145	146	118	123	130	116	123
2	88	74	78	165	149	154	135	118	126	129	120	125
3	97	88	93	178	156	166	126	124	125	124	112	119
4	102	90	96	227	155	180	127	122	124	129	122	124
5	90	81	85	227	144	175	128	122	124	124	116	120
6	93	83	88	236	160	198	136	125	128	118	115	117
7	93	89	92	220	142	171	141	135	137	118	115	117
8	92	85	88	146	128	138	144	135	138	118	115	116
9	98	85	91	150	134	142	140	135	137	118	115	117
10	95	85	87	148	130	141	142	134	137	117	113	115
11	99	90	93	141	121	131	142	134	137	119	114	116
12	113	99	104	210	123	156	140	133	136	118	112	116
13	119	113	117	161	115	137	140	134	137	120	112	116
14	119	106	110	177	146	160	140	134	137	119	114	116
15	116	111	114	149	114	132	142	134	137	121	115	117
16	117	114	115	123	115	118	139	132	136	126	117	120
17	117	92	101	188	123	175	139	131	134	121	114	116
18	102	93	96	173	116	136	138	132	135	119	114	116
19	106	98	101	193	120	145	138	132	136	119	115	117
20	114	106	111	239	118	177	137	130	134	118	115	117
21	222	114	149	169	120	143	136	131	134	118	115	116
22	219	181	192	168	121	136	137	128	134	118	114	116
23	189	170	180	180	117	131	138	130	133	118	115	116
24	185	104	116	121	118	119	136	133	134	118	114	116
25	179	114	146	121	118	119	136	129	133	118	113	115
26	222	126	148	120	117	118	133	127	129	118	113	116
27	304	217	245	119	116	117	134	127	129	120	110	115
28	220	146	173	119	116	117	129	126	128	120	110	115
29	217	162	177	118	116	117	130	120	126	120	108	114
30	221	157	174	119	115	117	123	118	120	128	113	116
31	---	---	---	121	116	118	125	118	123	---	---	---
MONTH	304	72	121	239	114	143	146	118	132	130	108	117

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.0	14.0	16.0	10.0	8.0	9.5	5.0	3.5	4.0	5.5	4.5	5.5
2	18.0	14.0	16.0	10.0	7.5	9.0	4.5	1.5	3.5	6.0	4.5	5.0
3	18.0	14.0	16.0	10.0	7.5	9.0	2.5	0.5	1.5	5.5	4.0	5.0
4	17.5	14.5	16.0	10.0	7.5	9.0	2.0	0.5	1.5	4.0	2.5	3.0
5	16.0	14.0	15.0	10.5	8.0	9.5	3.0	1.0	2.0	4.0	2.0	3.0
6	16.5	13.0	14.5	10.5	8.0	9.0	5.5	2.5	4.0	6.0	3.5	4.5
7	16.5	12.5	14.5	9.5	7.5	8.5	4.5	3.0	4.0	6.0	4.0	5.0
8	16.0	13.0	14.0	8.5	6.5	7.5	3.5	2.5	3.0	5.0	3.5	4.5
9	14.0	11.5	13.0	8.0	5.5	7.0	3.5	2.0	2.5	5.0	4.0	4.5
10	13.0	10.0	11.5	8.5	5.5	7.0	3.0	2.0	2.5	5.0	3.0	4.5
11	13.0	11.0	12.0	10.0	7.0	8.5	3.0	2.0	2.5	4.5	2.5	3.5
12	13.5	10.0	11.5	8.5	7.5	8.0	3.5	1.5	2.5	5.0	2.5	4.0
13	13.5	10.0	12.0	8.0	6.5	7.5	4.0	2.5	3.5	4.0	2.0	3.0
14	13.5	10.0	12.0	9.0	6.5	8.0	4.0	1.5	3.0	3.0	1.0	2.0
15	13.5	10.0	12.0	8.5	6.5	7.5	1.5	0.0	0.5	2.0	0.5	1.0
16	13.5	10.5	12.0	9.5	7.5	8.0	1.0	0.0	0.5	2.0	0.0	1.0
17	13.0	11.5	12.5	8.5	7.0	8.0	3.0	0.5	2.0	1.0	0.0	0.5
18	13.0	10.0	12.0	7.5	6.0	7.0	3.0	1.0	2.0	1.5	0.0	0.5
19	13.0	9.5	11.5	7.0	5.0	6.0	3.0	1.0	2.0	0.5	0.0	0.0
20	13.5	10.5	12.0	7.5	5.5	6.5	4.0	2.5	3.0	1.5	0.0	0.5
21	13.0	10.0	11.5	7.5	6.0	7.0	3.5	2.0	3.0	3.0	0.0	1.5
22	13.0	10.0	11.5	8.0	6.0	7.5	3.0	2.0	2.5	2.0	0.5	1.5
23	13.0	10.5	11.5	6.0	4.5	5.5	3.5	2.0	3.0	1.0	0.0	0.5
24	11.0	9.0	10.0	5.5	3.5	4.5	3.0	1.5	2.5	1.5	0.0	0.5
25	11.0	8.0	9.5	5.0	3.0	3.5	1.5	0.5	1.0	3.0	0.0	1.5
26	12.0	8.5	10.0	3.5	2.0	3.0	2.5	1.0	2.0	4.5	2.0	3.0
27	11.5	9.5	10.5	3.5	2.0	2.5	4.5	2.5	3.5	2.5	0.5	1.5
28	11.5	10.0	10.5	3.5	2.0	2.5	4.5	3.5	4.0	1.0	0.0	0.0
29	12.0	9.5	11.0	4.5	3.0	3.5	5.0	4.0	4.5	1.0	0.0	0.5
30	12.0	10.5	11.5	4.5	3.0	3.5	5.5	5.0	5.5	0.5	0.0	0.0
31	11.0	8.0	9.5	---	---	---	6.5	5.0	5.5	0.5	0.0	0.0
MONTH	18.0	8.0	12.4	10.5	2.0	6.8	6.5	0.0	2.8	6.0	0.0	2.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.5	0.0	0.5	5.5	3.0	4.0	12.0	7.5	9.5	9.5	7.0	8.0
2	2.0	0.0	1.0	5.5	2.0	3.5	12.0	8.0	10.0	12.0	7.5	9.5
3	2.5	0.0	1.0	6.5	2.0	4.0	12.0	8.5	10.0	13.5	9.0	11.0
4	2.5	0.0	1.5	7.5	3.0	5.0	12.0	9.0	10.5	13.0	10.0	11.5
5	3.5	0.0	1.5	8.5	4.5	6.5	10.5	8.5	9.5	13.5	9.5	11.5
6	3.5	0.0	2.0	9.5	5.5	7.0	10.5	7.5	9.0	13.5	9.5	11.5
7	4.5	0.5	2.5	6.5	3.5	5.0	11.0	8.0	9.5	12.5	9.5	11.0
8	4.5	2.0	3.0	5.5	1.5	3.5	12.0	8.5	10.0	11.5	8.0	9.5
9	4.0	1.5	2.5	7.0	2.5	4.5	10.0	7.5	9.0	12.5	8.5	10.5
10	4.5	1.0	2.5	7.5	3.5	5.0	11.0	7.0	9.0	10.5	8.5	9.5
11	5.0	2.0	3.5	8.5	4.0	6.0	11.0	8.5	10.0	12.5	7.5	10.0
12	6.0	3.5	4.5	9.5	6.5	7.5	11.5	8.0	10.0	13.5	9.0	11.5
13	5.0	4.0	4.5	6.5	4.0	5.5	11.5	8.5	10.0	13.5	10.5	12.0
14	6.5	4.0	5.0	6.0	3.0	4.5	12.5	9.0	10.5	14.5	10.0	12.0
15	6.0	4.0	5.0	4.5	2.5	3.5	9.0	6.5	7.5	14.5	10.0	12.5
16	7.0	4.0	5.5	5.0	2.0	3.0	8.5	5.0	6.5	14.0	10.0	12.5
17	6.0	5.0	5.5	5.0	1.5	3.0	7.0	4.5	5.5	15.0	11.0	13.0
18	6.5	4.0	5.5	6.5	2.0	4.0	6.0	5.0	5.5	14.0	11.0	12.5
19	7.5	5.0	6.0	8.5	3.0	6.0	7.5	5.5	6.5	13.0	10.5	12.0
20	8.5	5.5	7.0	10.0	5.5	8.0	10.0	6.0	8.0	11.5	9.0	10.0
21	8.5	5.5	7.0	---	---	---	11.5	6.5	9.0	12.0	7.0	9.5
22	8.0	5.5	6.5	---	---	---	12.0	8.0	10.0	13.0	8.0	10.0
23	8.0	5.5	6.5	9.5	7.5	8.0	12.5	8.5	10.5	13.5	9.5	11.5
24	7.5	4.0	6.0	9.0	6.0	7.5	12.0	8.5	10.5	14.5	10.0	12.0
25	7.5	4.0	5.5	9.5	5.5	7.0	13.0	9.0	11.0	15.0	11.5	13.5
26	7.5	3.5	5.5	11.0	6.0	8.5	10.5	8.5	9.5	15.0	11.0	13.0
27	8.0	4.5	6.0	11.5	6.5	9.0	11.0	7.5	9.0	14.0	11.5	12.5
28	7.5	4.0	5.5	12.0	7.0	9.5	10.5	6.5	8.5	16.5	11.5	13.5
29	---	---	---	12.5	7.5	10.0	9.0	8.0	8.5	17.0	12.5	14.5
30	---	---	---	12.0	7.5	9.5	8.5	6.5	7.5	17.0	13.0	15.0
31	---	---	---	11.5	7.5	9.5	---	---	---	15.5	13.0	14.5
MONTH	8.5	0.0	4.2	---	---	---	13.0	4.5	9.0	17.0	7.0	11.6

10348200 TRUCKEE RIVER AT SPARKS, NV--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.0	12.5	13.5	24.0	18.0	21.0	22.5	19.0	21.0	22.5	17.0	20.0
2	14.0	10.5	12.5	24.0	19.0	21.5	22.5	18.5	20.5	22.5	17.0	19.5
3	15.5	11.5	13.5	23.0	17.5	20.0	24.0	18.0	21.0	20.5	16.0	18.5
4	16.5	12.5	14.5	22.5	16.5	19.0	22.5	17.0	20.0	19.5	15.5	17.5
5	17.0	13.0	15.0	22.5	17.0	19.5	22.0	17.0	19.5	19.5	15.0	17.0
6	17.0	13.5	15.5	23.0	17.0	19.5	21.0	15.0	18.0	19.0	15.5	16.5
7	17.0	13.5	15.0	23.0	18.0	20.5	21.5	15.0	18.5	17.0	12.5	15.0
8	15.5	12.5	14.0	23.0	17.0	20.0	22.0	15.5	19.0	17.5	12.5	15.0
9	14.5	11.0	13.0	23.5	17.5	20.5	22.5	16.0	19.5	18.0	12.5	15.0
10	15.5	11.0	13.0	25.0	18.5	21.5	23.5	17.0	20.5	18.0	13.0	15.5
11	17.0	12.0	14.5	24.5	19.5	22.0	24.0	18.0	21.5	19.0	14.0	16.5
12	18.5	14.0	16.0	23.0	20.0	21.5	24.5	18.5	22.0	19.0	14.5	16.5
13	20.0	15.0	17.5	22.5	19.0	20.5	25.0	19.0	22.5	19.5	14.5	17.0
14	20.0	15.5	17.5	24.5	19.0	21.5	25.5	19.5	23.0	19.0	15.0	17.0
15	19.5	14.5	17.0	24.0	19.0	21.5	25.0	19.5	22.5	19.0	15.0	16.5
16	19.5	14.5	17.0	24.5	19.0	21.5	25.0	19.0	22.0	18.0	13.5	16.0
17	19.5	14.5	17.0	21.0	18.0	20.0	23.0	18.0	21.0	17.5	14.0	16.0
18	20.5	15.5	18.0	19.5	16.5	18.0	23.0	17.0	20.0	18.0	13.5	15.5
19	20.5	15.5	18.0	22.0	16.0	19.0	21.5	16.5	19.5	17.5	13.0	15.5
20	21.5	15.5	18.5	24.0	18.5	21.0	20.5	15.5	18.0	18.5	13.5	16.0
21	20.5	16.0	18.5	24.5	19.5	21.5	20.5	14.5	17.5	19.0	14.5	17.0
22	22.0	15.5	19.0	23.5	18.0	20.5	21.0	15.0	18.0	19.0	14.5	17.0
23	22.5	16.5	19.5	23.0	17.0	20.0	21.0	15.0	18.5	19.0	15.0	17.0
24	22.5	16.0	19.0	23.0	17.5	20.0	21.5	15.5	18.5	18.5	14.5	16.5
25	24.0	17.0	20.0	22.0	17.0	19.5	21.0	15.0	18.5	17.5	14.0	15.5
26	22.5	17.5	20.0	22.0	16.5	19.0	21.0	15.5	18.5	17.0	13.0	15.0
27	23.0	16.5	19.5	23.0	18.0	20.5	21.0	15.5	18.5	17.5	14.0	15.5
28	23.0	17.0	20.0	24.0	18.5	21.0	21.5	16.0	19.0	16.5	13.5	15.0
29	23.0	16.5	19.5	24.0	18.0	21.0	21.5	16.5	19.0	16.5	12.5	14.5
30	24.0	17.5	21.0	23.5	19.0	21.0	21.0	16.5	19.0	15.5	12.0	13.5
31	---	---	---	24.0	18.5	21.0	22.0	16.5	19.5	---	---	---
MONTH	24.0	10.5	16.9	25.0	16.0	20.5	25.5	14.5	19.8	22.5	12.0	16.3

PYRAMID AND WINNEMUCCA LAKES BASIN

10348245 NORTH TRUCKEE DRAIN AT SPANISH SPRINGS ROAD NEAR SPARKS, NV

LOCATION.--Lat 39°34'08", long 119°43'32", in NE $^1/_4$ SW $^1/_4$ sec.27, T.20 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on right bank upstream of culvert crossing Spanish Springs Road, at south end of Spanish Springs Valley, and 2.4 mi north of Sparks.

DRAINAGE AREA.--80 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1992 to September 1994; October 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,410 ft above NGVD of 1929 from topographic map. Prior to November 1, 1993, at a site in same vicinity, at different datum.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by Orr Ditch, many diversions for irrigation in Spanish Springs Valley. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43 ft^3/s, August 1, 2002, gage height, 3.73 ft; minimum daily, 0.02 ft^3/s, September 20, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 43 ft^3/s, August 1, gage height, 3.73 ft; minimum daily, 0.24 ft^3/s, April 7-8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	0.42	0.64	1.7	0.88	0.73	0.28	0.34	11	17	19	20
2	1.0	0.44	3.7	2.1	0.85	0.67	0.29	0.32	11	16	19	20
3	0.96	0.45	2.1	2.1	0.88	0.63	0.29	0.32	10	16	14	17
4	0.87	0.45	1.3	1.7	0.86	0.67	0.44	3.7	12	14	14	17
5	0.72	0.52	1.3	1.7	0.86	0.64	0.35	4.2	12	15	14	19
6	0.70	0.58	1.4	1.7	0.86	0.85	0.29	0.42	12	17	14	19
7	0.74	0.54	1.3	1.6	0.89	0.86	0.24	0.65	13	17	15	19
8	0.72	0.49	1.3	1.6	1.2	0.65	0.24	1.1	12	17	15	20
9	0.72	0.56	1.2	1.6	0.81	0.46	0.50	2.1	11	18	14	19
10	0.71	0.58	1.3	1.5	0.77	0.45	0.31	4.2	11	15	16	18
11	0.68	0.63	1.2	1.4	0.81	0.51	0.26	4.6	14	15	17	18
12	0.65	0.66	1.2	1.4	0.83	0.47	0.25	4.9	14	19	17	18
13	0.68	0.64	1.2	1.4	0.83	0.47	0.27	5.8	16	15	18	22
14	0.72	0.65	1.6	1.3	0.84	0.51	0.27	5.4	17	11	18	21
15	0.62	0.72	1.1	1.2	0.99	0.48	0.30	5.2	17	12	17	24
16	0.57	0.81	1.1	1.6	0.91	0.46	0.27	5.7	14	13	17	23
17	0.56	0.76	1.3	1.2	1.0	0.46	0.28	5.8	13	15	18	21
18	0.57	0.74	1.2	1.1	0.91	0.46	0.32	7.6	14	16	17	17
19	0.57	0.75	1.2	1.0	0.87	0.45	0.36	9.0	17	17	16	18
20	0.62	0.76	1.2	1.1	0.90	0.41	0.31	9.6	16	18	17	17
21	0.61	0.65	1.2	1.0	0.87	0.37	0.27	7.4	22	20	17	10
22	0.52	0.84	1.2	1.1	0.85	0.42	0.28	7.8	20	19	19	6.7
23	0.49	0.81	1.3	1.2	0.83	0.43	0.27	9.0	14	18	17	5.9
24	0.44	2.1	1.3	1.1	0.81	0.48	0.29	9.8	11	14	18	5.3
25	0.39	1.1	1.2	0.95	0.80	0.45	0.27	11	14	12	16	4.6
26	0.40	0.81	1.2	0.98	0.75	0.42	0.69	10	14	12	15	4.2
27	0.46	0.76	1.2	0.96	0.74	0.40	0.32	9.8	14	8.8	14	3.9
28	0.48	0.78	1.5	0.87	0.75	0.37	0.30	10	15	7.1	12	3.6
29	0.45	0.74	2.0	0.99	---	0.28	1.6	10	15	9.1	13	3.3
30	0.49	0.67	1.7	0.85	---	0.28	0.41	10	16	16	14	2.8
31	0.47	---	1.9	0.81	---	0.27	---	11	---	15	16	---
TOTAL	19.58	21.41	43.54	40.81	24.15	15.46	10.82	186.75	422	464.0	497	437.3
MEAN	0.632	0.714	1.405	1.316	0.863	0.499	0.361	6.024	14.07	14.97	16.03	14.58
MAX	1.0	2.1	3.7	2.1	1.2	0.86	1.6	11	22	20	19	24
MIN	0.39	0.42	0.64	0.81	0.74	0.27	0.24	0.32	10	7.1	12	2.8
AC-FT	39	42	86	81	48	31	21	370	837	920	986	867

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2002, BY WATER YEAR (WY)

MEAN	0.534	0.699	1.065	1.083	1.095	3.073	3.304	8.638	9.699	7.607	7.725	6.876
MAX	1.02	1.32	1.99	1.89	2.33	7.89	6.59	17.4	14.1	15.0	16.0	14.6
(WY)	2001	2001	2001	2001	1995	1995	1994	1994	2002	2002	2002	2002
MIN	0.049	0.081	0.10	0.14	0.13	0.42	0.36	4.66	1.77	0.11	0.069	0.037
(WY)	1993	1993	1993	1993	1993	1993	2002	1993	1992	1994	1994	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1992 - 2002	
ANNUAL TOTAL	1843.38		2182.82			
ANNUAL MEAN	5.050		5.980		4.788	
HIGHEST ANNUAL MEAN					5.98	2002
LOWEST ANNUAL MEAN					3.46	1993
HIGHEST DAILY MEAN	19	Sep 6	24	Sep 15	27	Jul 15 1993
LOWEST DAILY MEAN	0.22	Apr 18	0.24	Apr 7	0.02	Sep 20 1992
ANNUAL SEVEN-DAY MINIMUM	0.35	Apr 12	0.27	Apr 11	0.02	Sep 20 1992
MAXIMUM PEAK FLOW			43	Aug 1	43	Aug 1 2002
MAXIMUM PEAK STAGE			3.73	Aug 1	3.73	Aug 1 2002
ANNUAL RUNOFF (AC-FT)	3660		4330		3470	
10 PERCENT EXCEEDS	14		17		14	
50 PERCENT EXCEEDS	1.7		1.2		1.4	
90 PERCENT EXCEEDS	0.46		0.41		0.10	

PRECIPITATION RECORDS

PERIOD OF RECORD.— October 2000 to current year.

INSTRUMENTATION.—Recording-weighing gage since October 6, 2000.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily precipitation, 0.73 in., December 2, 2001; no precipitation most days.

EXTREMES FOR CURRENT YEAR.—Maximum daily precipitation, 0.73 in., December 2; no precipitation most days.

PRECIPITATION, TOTAL, INCHES , WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
2	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
3	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.01	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00
8	0.02	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.03	0.02	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00
11	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.06	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
13	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
14	0.00	0.00	0.06	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
22	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
23	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.45	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.01	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.01	0.02	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.01	0.01	0.03	---	0.00	0.24	0.00	0.00	0.00	0.00	0.00
30	0.10	0.00	0.00	0.01	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.12	0.66	1.20	0.18	0.10	0.26	0.48	0.09	0.06	0.03	0.02	0.00

CAL YR 2001 TOTAL 3.47
WTR YR 2002 TOTAL 3.20

10348300 NORTH TRUCKEE DRAIN AT KLEPPE LANE NEAR SPARKS, NV

LOCATION.--Lat 39°31'36", long 119°42'30", in NE $^1/_4$ SW $^1/_4$ sec.11, T.19 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on right bank, 0.2 mi above Kleppe Lane bridge in Sparks.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1992 to December 1996, January 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,390 ft above NGVD of 1929, from topographic map. Gage formerly operated by Federal Court Watermaster at site 0.2 mi downstream.

REMARKS.--No estimated daily discharges. Records poor. Flow regulated by Orr Ditch, many diversions in Spanish Springs Valley, and by pumping from the Helms Pit. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 670 ft^3/s, May 18, 1996, gage height, 7.74 ft; maximum gage height, 8.57 ft, backwater from Truckee River; minimum daily, 1.2 ft^3/s, December 27, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 282 ft^3/s, August 1, gage height, 4.90 ft; minimum daily, 3.0 ft^3/s, September 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	5.0	9.0	5.3	12	19	16	5.6	20	21	51	29
2	7.5	4.7	67	12	13	19	17	4.9	19	20	37	31
3	7.8	4.3	19	7.4	13	17	18	5.1	19	22	24	26
4	7.3	4.1	9.1	5.7	13	16	19	7.7	22	20	21	26
5	6.5	4.3	9.1	5.3	13	17	20	10	22	20	20	28
6	6.3	4.3	8.1	5.4	13	19	19	6.4	22	24	21	29
7	6.0	4.1	8.2	6.6	14	13	20	6.7	23	25	21	30
8	6.4	4.0	7.9	7.5	14	7.3	21	6.3	22	26	21	31
9	6.1	4.0	7.6	13	13	6.5	27	7.0	20	28	22	28
10	6.5	4.0	11	9.4	12	6.1	25	12	18	26	21	26
11	5.7	4.1	9.1	7.4	13	6.3	24	9.3	22	26	23	26
12	14	4.1	9.5	7.9	13	7.1	24	9.2	22	34	23	25
13	28	3.7	8.8	8.4	14	7.1	26	9.4	25	29	25	31
14	27	3.3	15	8.6	15	7.9	25	9.3	31	23	26	29
15	14	4.4	9.4	9.0	16	6.9	26	9.0	30	21	25	33
16	5.4	5.1	8.9	9.6	15	7.1	25	9.1	27	22	25	32
17	5.1	5.3	10	9.3	17	6.9	28	9.7	24	23	26	29
18	5.1	5.4	9.2	9.4	16	7.4	30	11	25	31	26	24
19	5.1	5.6	8.9	9.7	16	9.1	28	12	28	26	25	24
20	5.0	6.1	8.7	9.4	16	9.6	27	14	30	26	25	23
21	5.0	6.2	21	9.6	16	10	26	12	36	27	26	14
22	4.6	6.3	29	11	16	11	25	12	36	26	27	8.9
23	4.5	7.1	28	12	17	11	25	13	25	27	26	7.3
24	4.3	29	27	12	18	12	25	13	18	25	26	6.8
25	4.8	9.2	27	12	17	12	25	15	19	22	24	5.8
26	4.9	7.9	16	13	17	13	27	15	20	22	21	5.1
27	4.4	7.4	5.5	13	17	14	8.4	14	18	18	21	4.8
28	4.0	8.1	11	12	18	14	8.5	15	18	16	20	4.2
29	4.3	8.2	9.7	12	---	15	42	16	19	18	21	3.5
30	4.8	9.1	6.1	9.1	---	16	6.7	17	21	24	22	3.0
31	5.5	---	7.4	9.1	---	17	---	19	---	25	26	---
TOTAL	232.6	188.4	441.2	291.1	417	360.3	683.6	334.7	701	743	768	623.4
MEAN	7.503	6.280	14.23	9.390	14.89	11.62	22.79	10.80	23.37	23.97	24.77	20.78
MAX	28	29	67	13	18	19	42	19	36	34	51	33
MIN	4.0	3.3	5.5	5.3	12	6.1	6.7	4.9	18	16	20	3.0
AC-FT	461	374	875	577	827	715	1360	664	1390	1470	1520	1240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2002, BY WATER YEAR (WY)

MEAN	12.50	11.29	13.40	12.19	13.24	16.31	15.89	31.18	26.01	19.96	24.16	21.94
MAX	30.7	26.2	33.4	17.5	30.3	42.4	23.2	79.8	41.6	28.8	43.5	35.3
(WY)	1997	1997	1997	1996	1996	1995	1998	1996	1993	1996	1999	1999
MIN	7.07	6.17	4.98	7.12	6.44	5.47	6.49	8.13	18.5	9.46	8.92	10.3
(WY)	2001	2000	2001	2001	2001	2001	2000	2001	1998	1994	1994	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1993 - 2002	
ANNUAL TOTAL	4083.3		5784.3			
ANNUAL MEAN	11.19		15.85		17.48	
HIGHEST ANNUAL MEAN					27.1	1996
LOWEST ANNUAL MEAN					10.7	2001
HIGHEST DAILY MEAN	67	Dec 2	67	Dec 2	316	May 18 1996
LOWEST DAILY MEAN	3.1	Sep 24	3.0	Sep 30	1.2	Dec 27 1994
ANNUAL SEVEN-DAY MINIMUM	3.7	Sep 20	3.9	Nov 8	3.5	Mar 13 2000
MAXIMUM PEAK FLOW			282	Aug 1	670	May 18 1996
MAXIMUM PEAK STAGE			4.90	Aug 1	8.57	Mar 24 1998
ANNUAL RUNOFF (AC-FT)	8100		11470		12660	
10 PERCENT EXCEEDS	20		27		30	
50 PERCENT EXCEEDS	7.7		14		14	
90 PERCENT EXCEEDS	4.8		5.1		5.7	

PYRAMID AND WINNEMUCCA LAKES BASIN

10348460 FRANKTOWN CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°12'12", long 119°52'17", in SW $^1/_4$ SE $^1/_4$ sec.32, T.16 N., R.19 E., Washoe County, Hydrologic Unit 16050102, in Toiyabe National Forest, on right bank, 300 ft upstream from Red House diversion dam, 0.2 mi upstream from Red House, and 6.1 mi northwest of Carson City.

DRAINAGE AREA.--3.24 mi^2.

PERIOD OF RECORD.--June 1974 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,380 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Hobart Reservoir, and by pumping from Marlette Lake (station 10336710) during dry years. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

REVISIONS.--WDR NV-94-1: 1980 (P), 1982-1985(P).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 89 ft^3/s, February 16, 1986, gage height, 3.64 ft; minimum daily, 0.48 ft^3/s, September 9, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13 ft^3/s, April 14, gage height, 1.83 ft; minimum daily, 0.72 ft^3/s, October 3-5, 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.5	e1.5	1.3	1.4	1.5	2.6	3.0	4.4	2.0	3.4	3.5
2	0.92	1.3	e1.5	1.4	1.4	1.5	3.3	3.3	4.1	1.9	3.5	3.4
3	0.72	1.3	e1.5	1.4	1.4	1.5	5.3	4.4	3.9	1.9	3.5	3.3
4	0.72	1.4	1.5	1.4	1.4	1.5	5.7	5.1	3.8	2.3	3.5	3.3
5	0.72	1.4	e1.5	1.4	1.4	1.5	5.8	5.2	3.6	2.7	3.4	3.3
6	0.73	1.3	e1.5	1.6	1.4	e1.4	5.5	5.1	3.3	3.1	3.4	3.3
7	0.72	1.2	1.5	1.7	e1.4	e1.4	5.3	5.0	3.1	3.2	3.3	3.3
8	0.73	1.2	1.5	1.9	e1.4	e1.4	5.4	4.8	3.0	3.2	3.4	3.3
9	0.75	1.2	1.5	1.7	1.4	1.5	5.6	4.6	2.9	3.2	3.4	3.3
10	0.75	1.2	1.5	1.5	1.4	1.5	5.7	4.5	3.0	3.5	3.3	3.3
11	0.75	1.5	1.5	1.5	1.4	1.5	6.2	4.3	2.9	3.9	3.3	3.2
12	0.75	1.6	1.5	1.4	1.4	1.4	5.9	4.4	2.7	3.9	3.3	3.2
13	0.76	1.7	1.5	1.4	1.4	1.4	6.2	4.7	2.5	3.9	3.3	3.2
14	0.76	1.7	e1.5	1.4	1.4	1.4	8.9	4.9	2.2	3.9	3.3	3.2
15	1.00	1.7	1.3	1.4	1.4	e1.4	6.3	4.7	2.1	3.9	3.3	3.2
16	1.3	1.6	1.3	1.5	1.4	1.4	5.2	4.8	1.9	3.9	3.3	3.1
17	1.1	1.5	1.3	1.5	1.4	e1.4	5.0	5.0	1.9	4.1	3.3	3.1
18	1.0	1.5	1.3	1.5	1.4	1.5	4.5	5.3	1.8	3.9	3.3	3.0
19	1.00	1.4	1.3	1.5	1.4	1.4	4.1	5.1	2.2	3.7	3.1	3.0
20	0.98	1.4	1.3	1.4	1.5	1.5	3.7	4.8	2.3	3.7	3.1	3.1
21	0.98	1.9	1.4	e1.4	1.5	1.5	4.0	4.6	2.3	3.7	3.1	3.1
22	0.98	4.0	1.4	1.5	1.5	1.5	4.0	4.1	2.2	3.8	3.2	3.1
23	1.1	1.9	1.4	1.4	1.5	1.5	4.4	4.0	2.2	3.8	3.2	3.1
24	1.0	4.1	1.3	1.4	1.5	1.5	4.7	4.4	2.1	3.7	3.2	3.1
25	1.2	2.8	1.3	1.4	1.5	1.5	4.8	4.7	2.1	3.8	3.2	3.2
26	1.2	1.7	1.3	1.4	1.5	1.5	4.7	4.5	2.1	3.8	3.2	3.2
27	1.1	1.5	1.3	1.4	1.5	1.5	4.3	4.4	2.1	3.7	3.1	3.1
28	1.1	e1.5	1.3	1.5	1.5	1.7	3.8	4.6	1.8	3.6	3.1	3.2
29	1.1	e1.5	1.4	1.4	---	1.9	3.7	4.6	1.8	3.7	3.1	3.2
30	1.4	1.5	1.3	1.5	---	2.1	3.2	4.6	1.9	3.6	3.1	3.2
31	1.6	---	1.3	1.4	---	2.4	---	4.6	---	3.5	3.2	---
TOTAL	30.02	51.0	43.5	45.5	40.1	47.6	147.8	142.1	78.2	106.5	101.4	96.1
MEAN	0.968	1.700	1.403	1.468	1.432	1.535	4.927	4.584	2.607	3.435	3.271	3.203
MAX	1.6	4.1	1.5	1.9	1.5	2.4	8.9	5.3	4.4	4.1	3.5	3.5
MIN	0.72	1.2	1.3	1.3	1.4	1.4	2.6	3.0	1.8	1.9	3.1	3.0
AC-FT	60	101	86	90	80	94	293	282	155	211	201	191

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2002, BY WATER YEAR (WY)

MEAN	2.257	2.421	2.306	2.489	2.848	2.880	5.124	8.244	6.582	3.304	2.335	2.147
MAX	5.42	6.55	5.83	8.74	10.3	6.10	13.2	20.7	27.4	11.7	7.22	5.06
(WY)	1984	1984	1984	1997	1986	1986	1997	1997	1983	1983	1983	1983
MIN	0.97	0.94	1.08	1.01	1.04	1.29	2.09	1.08	0.93	0.86	0.67	0.70
(WY)	2002	1991	1995	1995	1992	1991	1991	1992	1992	1977	1977	1977

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1974 - 2002	
ANNUAL TOTAL	771.49		929.82			
ANNUAL MEAN	2.114		2.547		3.588	
HIGHEST ANNUAL MEAN					7.67	1983
LOWEST ANNUAL MEAN					1.45	1992
HIGHEST DAILY MEAN	6.6	Apr 26	8.9	Apr 14	65	Feb 16 1986
LOWEST DAILY MEAN	0.60	Aug 29	0.72	Oct 3	0.48	Sep 9 1976
ANNUAL SEVEN-DAY MINIMUM	0.61	Aug 24	0.73	Oct 3	0.49	Sep 13 1976
MAXIMUM PEAK FLOW			13	Apr 14	89	Feb 16 1986
MAXIMUM PEAK STAGE			1.86	Apr 14	3.64	Feb 16 1986
ANNUAL RUNOFF (AC-FT)	1530		1840		2600	
10 PERCENT EXCEEDS	4.2		4.6		7.3	
50 PERCENT EXCEEDS	1.7		1.9		2.4	
90 PERCENT EXCEEDS	0.88		1.3		1.2	

e Estimated

10348700 WASHOE LAKE NEAR CARSON CITY, NV

LOCATION.--Lat 39°14'08", long 119°46'02", in NE $^1/_4$ SE $^1/_4$ sec.19, T.16 N., R.20 E., Washoe County, Hydrologic Unit 16050102, at Washoe Lake State Park, and 4.75 mi north of Carson City.

DRAINAGE AREA.--83.8 mi^2, including Little Washoe Lake.

PERIOD OF RECORD.--April 1963 to September 1982, July 1988 to January 1989, July and August 1989, October 1989, March 1990 to February 1995 (monthend contents only), October 1982 to June 30, 1988, February 19 to July 17, and September 1-30, 1989, November 17, 1989 to February 21, 1990, March 24, 1995 to current year (daily elevations).

GAGE.--Water-stage recorder. Datum of gage is above NGVD of 1929. Prior to October 1, 1982, nonrecording gage at different site but same datum.

REMARKS.--Lake is formed by a natural basin whose natural rim falls below the control works on Little Washoe Lake allowing storage regulation. Total capacity 55,700 acre-ft between elevations 5,017.5 ft and 5,032.7 ft. Figures given herein represent total contents including Scripps Wildlife Management Area Marsh. Two transarea diversions enter the lakes, one from Galena Creek and one from Third Creek into Ophir Creek. Franktown Creek is diverted into the Virginia City-Carson City pipeline and during dry years additional water is pumped from Marlette Lake into Hobart Reservoir and released into Franktown Creek for diversion into the Virginia City-Carson City pipeline at Red House. See schematic diagram of Pyramid and Winnemucca Lakes Basin. Lake elevations may be affected by wind and seiche movements of the lake surface.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5,032.62 ft^3/s, January 28, 1997; no contents at times some years.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5,024.34 ft, April 29-30; minimum interpolated, 5021.46 ft, September 30.

Capacity table (elevation, in feet, and volume, in acre-feet)

5,018	100	5,022	7,000	5,026	21,700	5,030	43,300				
5,019	800	5,023	10,000	5,027	26,600	5,031	49,200				
5,020	2,200	5,024	13,400	5,028	32,000	5,032	55,700				
5,021	4,300	5,025	17,300	5,029	37,400	5,032.7	60,600				

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5023.12	5022.84	5022.95	5023.47	5023.73	5023.92	5024.19	5024.32	5023.98	5023.26	5022.56	---
2	5023.12	5022.82	5023.06	5023.50	5023.72	5023.91	5024.18	5024.31	5024.00	5023.21	5022.54	---
3	5023.11	5022.82	5023.14	5023.50	5023.73	5023.92	5024.17	5024.31	5023.95	5023.19	5022.49	---
4	5023.10	5022.81	5023.13	5023.53	5023.74	5023.97	5024.15	5024.30	5023.95	5023.19	5022.49	---
5	5023.08	5022.79	5023.17	5023.54	5023.74	5024.10	5024.13	5024.30	5023.93	5023.16	5022.49	---
6	5023.07	5022.78	5023.11	5023.56	5023.74	5023.94	5024.16	5024.28	5023.90	5023.12	5022.42	---
7	5023.07	5022.81	5023.15	5023.58	5023.97	5024.02	5024.15	5024.29	5023.86	5023.08	5022.41	---
8	5023.06	5022.80	5023.23	5023.59	5023.81	5024.03	5024.11	5024.27	5023.95	5023.05	5022.42	5021.72
9	5023.03	5022.79	5023.16	5023.60	5023.80	5024.05	5024.18	5024.26	5023.81	5023.05	5022.42	---
10	5023.02	5022.78	5023.20	5023.61	5023.81	5024.08	5024.17	5024.26	5023.77	5023.03	5022.41	---
11	5023.02	5022.75	5023.17	5023.63	5023.83	5024.08	5024.17	5024.22	5023.76	5022.96	5022.39	---
12	5022.97	5022.83	5023.17	5023.63	5023.82	5024.03	5024.17	5024.23	5023.75	5022.98	5022.38	---
13	5022.98	5022.80	5023.19	5023.64	5023.85	5024.09	5024.18	5024.21	5023.72	5022.99	5022.36	---
14	5022.97	5022.76	5023.22	5023.62	5023.85	5024.09	5024.23	5024.22	5023.68	5022.92	5022.37	---
15	5022.96	5022.77	5023.21	5023.61	5023.89	5024.08	5024.16	5024.20	5023.65	5022.91	5022.30	---
16	5022.97	5022.78	5023.18	5023.62	5023.88	5024.04	5024.11	5024.20	5023.63	5022.86	5022.31	---
17	5022.97	5022.78	5023.25	5023.63	5023.94	5024.12	5024.17	5024.24	5023.58	5022.88	5022.30	---
18	5022.94	5022.75	5023.28	5023.64	5023.86	5024.10	5024.25	5024.18	5023.55	5022.87	5022.23	---
19	5022.97	5022.75	5023.24	5023.63	5023.94	5024.11	5024.25	5024.19	5023.54	5022.85	5022.24	---
20	5022.95	5023.18	5023.28	5023.63	5023.93	5024.14	5024.26	5024.15	5023.53	5022.82	5022.23	---
21	5022.94	5022.75	5023.28	5023.81	5023.93	5024.12	5024.26	5024.12	5023.49	5022.81	5022.21	---
22	5022.91	5022.79	5023.32	5023.65	5023.97	5024.09	5024.25	5024.18	5023.48	5022.76	5022.20	---
23	5022.91	5022.81	5023.29	5023.65	5023.92	5024.14	5024.28	5024.09	5023.47	5022.76	5022.19	---
24	5022.90	5022.91	5023.29	5023.65	5023.93	5024.15	5024.28	5024.09	5023.44	5022.72	5022.17	---
25	5022.88	5022.96	5023.29	5023.67	5023.91	5024.15	5024.27	5024.09	5023.41	5022.70	5022.20	---
26	5022.84	5022.93	5023.35	5023.72	5023.93	5024.17	5024.33	5024.05	5023.45	5022.68	5022.18	---
27	5022.82	5022.91	5023.36	5023.66	5023.93	5024.16	5024.29	5024.07	5023.34	5022.67	5022.19	---
28	5022.82	5022.90	5023.35	5023.68	5023.92	5024.16	5024.30	5024.04	5023.35	5022.65	---	---
29	5022.83	5022.95	5023.37	5023.69	---	5024.18	5024.34	5024.04	5023.30	5022.64	---	---
30	5022.87	5022.92	5023.42	5023.69	---	5024.16	5024.34	5023.99	5023.29	5022.62	---	e5021.46
31	5022.90	---	5023.47	5023.73	---	5024.17	---	5023.99	---	5022.61	e5022.03	---
MAX	5023.12	5023.18	5023.47	5023.81	5023.97	5024.18	5024.34	5024.32	5024.00	5023.26	5022.56	---
MIN	5022.82	5022.75	5022.95	5023.47	5023.72	5023.91	5024.11	5023.99	5023.29	5022.61	---	---
+	9700	9760	11490	12410	13100	14040	14690	13360	10950	8830	7090	5380
##	-630	+60	+1730	+920	+690	+950	+640	-1330	-2470	-2060	-1740	-1710

CAL YR 2001 MAX 5026.65 MIN 5022.75 ## -12090
WTR YR 2002 MAX 5024.34 MIN e5021.46 ## -4970

\+ Contents in acre-feet, at end of month.
Change in contents, in acre-feet.

10348800 LITTLE WASHOE LAKE NEAR STEAMBOAT, NV

LOCATION.--Lat 39°19'45", long 119°48'00", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ sec.24, T.17 N., R.19 E., Washoe County, Hydrologic Unit 16050102, at outlet (head of Steamboat Creek), and 5.5 mi southwest of Steamboat.

DRAINAGE AREA.--83.8 mi^2.

PERIOD OF RECORD.--April 1963 to September 1970, October 1982 to current year (monthly observations only), October 1970 to September 1982 (daily elevations).

GAGE.--Nonrecording gage. Datum of gage is above NGVD of 1929. From October 1970 to September 1982, recording gage at same site and datum.

REMARKS.--Lake is formed by a natural basin supplemented by a control works downstream from the natural rim which provides storage regulation for both Little Washoe Lake and Washoe Lake. See additional remarks under "Washoe Lake (station 10348700)." See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 5,031.8 ft^3/s, April 1, 1986; no contents September 13 to December 3, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 5,026.4 ft, April 23; minimum observed, 5,022.3 ft, November 8.

MONTHEND ELEVATION, IN FEET ABOVE NGVD OF 1929, AND TOTAL CONTENTS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Elevation (feet)	Contents (acre-feet)	Change in Contents (acre-feet)
September 30	5,023.7	100	--
October 31	5,022.7	38	-62
November 30	5,023.5	88	+50
December 31	5,024.7	180	+92
CALENDAR YEAR 2001	--	--	-180
January 31	5,025.0	200	+20
February 28	5,025.7	270	+70
March 31	5,026.1	310	+40
April 30	5,026.2	320	+10
May 31	5,025.7	270	-50
June 30	5,024.9	190	-80
July 31	5,024.0	130	-60
August 31	5,023.3	73	-57
September 30	5,022.9	46	-27
WATER YEAR 2002	--	--	-54

NOTE.--Monthend elevations are interpolated from readings made during the year.

PYRAMID AND WINNEMUCCA LAKES BASIN

10348850 GALENA CREEK AT GALENA STATE PARK, NV

LOCATION.--Lat 39°21'16", long 119°51'27", in SE $^1/_4$ NW $^1/_4$ sec.9, T.17 N., R.19 E., Washoe County, Hydrologic Unit 16050102, on right bank, at Galena State Park, 0.2 mi west of State Highway 431, and 3.5 mi northwest of Washoe City.

DRAINAGE AREA.--7.69 mi^2.

PERIOD OF RECORD.--October 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,320 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,610 ft^3/s, January 2, 1997, gage height, 5.54 ft, from slope-area measurement of peak flow; minimum daily, 2.6 ft^3/s, September 4, 14-16, 18-20, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 40 ft^3/s and maximum (*):

		Discharge	Gage height			Discharge	Gage height
Date	Time	(ft^3/s)	(ft)	Date	Time	(ft^3/s)	(ft)
April 14	1845	41	6.11	May 31	1745	*78	*6.32
May 18	1745	56	6.20	June 8	2000	65	6.28

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	3.2	4.9	5.6	4.2	e5.4	6.0	7.4	32	6.3	4.0	3.6
2	3.2	3.0	e8.2	6.1	4.2	e5.6	6.0	7.7	22	e6.0	4.0	3.6
3	3.2	3.0	e6.0	6.2	4.2	e5.7	7.0	9.7	20	e5.9	3.8	3.5
4	3.0	3.0	e4.8	e6.5	4.1	6.7	8.3	12	21	e5.8	3.7	3.6
5	2.5	3.0	5.6	6.4	4.1	5.1	6.9	14	22	e5.7	3.6	3.6
6	2.6	3.0	5.4	8.3	4.1	6.0	6.0	17	22	5.5	3.7	4.0
7	2.6	2.9	5.4	6.5	4.2	6.3	6.0	18	29	5.9	3.6	3.9
8	2.6	2.8	5.2	5.5	4.3	e5.2	6.9	16	28	6.8	3.6	3.9
9	2.7	2.8	5.2	5.4	4.2	e5.1	6.8	16	30	6.3	3.5	3.8
10	2.7	3.1	5.1	5.2	4.2	4.5	6.3	15	25	6.2	3.5	3.7
11	2.8	4.5	5.1	5.2	4.2	4.5	7.5	14	16	6.2	3.6	3.8
12	2.8	4.2	4.9	5.1	4.2	4.6	8.7	17	20	6.3	3.5	3.7
13	2.9	3.9	4.9	e5.8	4.2	5.7	8.2	20	20	6.3	3.5	3.8
14	3.0	4.0	e4.5	6.3	4.2	e6.0	23	22	17	6.1	3.5	3.7
15	3.0	4.1	e4.8	e6.2	4.2	e5.7	19	25	15	5.4	3.4	3.7
16	3.0	3.8	4.8	e5.8	4.2	e5.6	12	23	15	4.8	3.5	4.0
17	3.3	3.5	4.8	e5.7	4.2	e5.3	10	30	17	5.3	3.7	4.1
18	3.4	3.4	4.8	e5.5	4.1	e5.0	9.3	33	14	5.3	3.6	4.1
19	3.4	3.5	4.8	e5.0	4.2	4.2	7.8	23	11	5.2	3.4	4.2
20	3.4	3.5	5.0	e4.8	4.7	4.2	7.4	18	11	4.9	3.5	4.1
21	3.4	4.2	4.8	4.5	4.7	4.5	7.6	13	11	4.8	3.7	4.0
22	3.5	5.5	4.9	4.4	5.0	4.5	8.3	11	11	4.7	3.7	4.1
23	3.5	4.5	4.8	4.2	4.9	4.4	9.6	11	11	4.5	3.6	4.1
24	3.6	6.9	4.9	4.2	4.5	4.2	10	12	9.8	4.5	3.5	4.0
25	3.7	e5.5	4.7	4.3	4.9	4.2	12	14	9.1	4.4	3.4	3.9
26	3.6	e5.4	4.7	4.5	6.3	4.4	12	15	8.9	4.2	3.4	3.9
27	3.7	e5.0	4.9	4.4	4.6	4.7	10	17	8.8	4.2	3.5	3.7
28	3.8	e5.0	5.1	4.2	5.5	5.1	9.3	19	8.4	4.2	3.7	4.0
29	3.9	5.4	5.2	4.2	---	5.6	9.2	23	7.9	4.1	3.7	4.0
30	5.4	e4.6	5.3	4.2	---	5.9	7.9	31	7.4	4.0	3.7	4.1
31	3.5	---	5.5	4.2	---	5.9	---	33	---	3.9	3.7	---
TOTAL	100.9	120.2	159.0	164.4	124.6	159.8	275.0	556.8	500.3	163.7	111.8	116.2
MEAN	3.25	4.01	5.13	5.30	4.45	5.15	9.17	18.0	16.7	5.28	3.61	3.87
MAX	5.4	6.9	8.2	8.3	6.3	6.7	23	33	32	6.8	4.0	4.2
MIN	2.5	2.8	4.5	4.2	4.1	4.2	6.0	7.4	7.4	3.9	3.4	3.5
AC-FT	200	238	315	326	247	317	545	1100	992	325	222	230

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2002, BY WATER YEAR (WY)

MEAN	7.26	7.25	6.65	14.1	6.79	8.15	13.4	22.4	24.7	14.5	8.25	6.70
MAX	15.9	17.3	12.3	151	13.6	17.1	25.0	48.3	58.5	48.0	25.8	15.6
(WY)	1985	1985	1985	1997	1997	1997	1997	1997	1996	1995	1995	1995
MIN	3.25	4.01	4.47	3.86	4.06	5.15	5.04	7.31	4.90	3.59	3.23	3.03
(WY)	2002	2002	1992	1993	1993	2002	1991	1992	2001	2001	2001	1991

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1985 - 2002	
ANNUAL TOTAL	2139.7		2552.7			
ANNUAL MEAN	5.86		6.99		11.7	
HIGHEST ANNUAL MEAN					30.2	1997
LOWEST ANNUAL MEAN					5.21	1992
HIGHEST DAILY MEAN	20	Apr 10	33	May 18	900	Jan 2 1997
LOWEST DAILY MEAN	2.5	Oct 5	2.5	Oct 5	2.5	Oct 5 2001
ANNUAL SEVEN-DAY MINIMUM	2.6	Oct 5	2.6	Oct 5	2.6	Sep 14 1991
MAXIMUM PEAK FLOW			78	May 31	2610	Jan 2 1997
MAXIMUM PEAK STAGE			6.32	May 31	6.47	May 26 1999
ANNUAL RUNOFF (AC-FT)	4240		5060		8480	
10 PERCENT EXCEEDS	12		15		22	
50 PERCENT EXCEEDS	5.1		4.8		7.5	
90 PERCENT EXCEEDS	3.0		3.5		4.2	

e Estimated

10349300 STEAMBOAT CREEK AT STEAMBOAT, NV

LOCATION.--Lat 39°22'40", long 119°44'33", in SE $^1/_4$ SW $^1/_4$ sec.33, T.18 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on left bank, downstream of bridge at Rhodes Road, 250 ft upstream from Steamboat Ditch, and 11 mi southeast of Reno.

DRAINAGE AREA.--123 mi^2.

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 4,600 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges and daily discharges from July 29 to September 30, which are poor. Many diversions for irrigation above station. Flow partly regulated by Washoe Lake (station 10348700). See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,600 ft^3/s, February 17, 1986, gage height, 6.79 ft, from rating curve extended above 954 ft^3/s, on basis of slope-area measurement of peak flow; no flow, September 9-15, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 36 ft^3/s, November 24, gage height, 1.85 ft; no flow, August 23.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.01	0.19	2.5	4.0	5.4	2.6	2.0	7.1	12	1.5	0.03	e0.01
2	e0.02	0.24	12	4.4	5.3	2.6	2.1	7.3	11	1.1	0.03	e0.01
3	e0.02	0.26	6.1	5.0	4.0	2.6	2.0	7.6	10	0.67	0.03	e0.01
4	e0.01	0.27	4.8	4.0	3.8	2.6	2.2	8.5	9.2	1.4	0.02	e0.01
5	e0.01	0.22	5.0	3.8	3.8	2.3	3.2	6.6	9.7	1.3	0.02	e0.01
6	e0.02	0.19	4.7	4.1	3.8	2.4	2.6	4.6	11	1.1	0.11	e0.01
7	e0.02	0.21	4.2	4.0	4.0	4.2	2.0	5.3	9.5	1.1	0.09	e0.01
8	e0.03	0.24	4.0	3.7	5.6	3.2	2.0	4.9	11	0.63	0.04	e0.01
9	0.04	0.26	3.9	3.8	4.0	2.8	2.1	3.9	9.8	0.51	0.02	e0.01
10	0.08	0.27	3.9	3.7	3.8	2.7	2.2	4.7	8.2	0.24	0.01	e0.01
11	0.09	0.34	3.7	3.6	3.8	2.5	2.4	4.9	7.9	0.21	e0.01	e0.01
12	0.10	0.38	3.6	3.5	3.7	2.4	2.4	5.7	6.8	0.15	e0.01	e0.01
13	0.09	0.40	3.3	3.3	3.7	2.4	2.5	5.5	6.9	0.69	e0.01	e0.01
14	0.12	0.44	4.4	3.2	3.9	2.5	2.3	5.9	6.3	0.80	e0.01	e0.01
15	0.20	0.52	3.7	3.0	3.6	2.5	2.7	6.5	6.0	0.41	e0.01	e0.01
16	0.16	0.54	3.9	3.0	3.8	2.6	2.2	8.1	5.6	0.37	e0.01	e0.01
17	0.10	0.52	4.7	3.3	3.6	2.5	2.2	8.9	4.7	0.22	e0.01	e0.01
18	0.11	0.64	4.1	3.4	3.3	2.3	3.0	10	4.4	0.49	e0.01	e0.01
19	0.10	0.72	3.6	4.1	3.3	2.2	5.6	11	4.2	0.49	e0.01	e0.01
20	e0.03	0.68	3.6	4.3	3.3	2.0	5.5	9.7	5.0	0.61	e0.01	e0.01
21	e0.03	0.66	3.6	4.8	3.1	1.9	5.2	9.7	4.1	0.68	e0.01	e0.01
22	e0.03	1.4	3.4	4.4	3.0	1.9	4.1	13	4.2	0.58	e0.01	e0.01
23	e0.03	0.82	3.6	4.4	2.8	2.2	2.9	12	4.4	0.33	0.00	e0.01
24	0.04	10	3.3	5.4	2.8	2.5	3.5	8.1	3.8	0.33	e0.01	e0.01
25	0.07	4.4	3.3	5.6	2.7	2.4	4.7	7.7	2.8	0.29	e0.01	e0.01
26	0.08	2.5	3.4	5.4	3.0	1.9	6.5	7.6	2.7	0.30	e0.01	e0.01
27	0.09	2.1	3.4	5.3	2.8	2.2	4.9	7.5	2.5	0.15	e0.01	e0.01
28	0.11	2.1	3.8	4.9	2.7	2.4	3.4	7.7	2.8	0.05	e0.01	e0.01
29	0.12	3.1	4.4	5.2	---	1.9	4.0	8.5	2.1	0.08	e0.01	e0.01
30	0.17	2.4	3.9	5.4	---	1.9	6.1	9.7	2.0	0.07	e0.01	e0.01
31	0.19	---	4.7	5.5	---	1.8	---	11	---	0.04	e0.01	---
TOTAL	2.32	37.01	130.5	131.5	102.4	74.9	98.5	239.2	190.6	16.89	0.60	0.30
MEAN	0.075	1.234	4.210	4.242	3.657	2.416	3.283	7.716	6.353	0.545	0.019	0.010
MAX	0.20	10	12	5.6	5.6	4.2	6.5	13	12	1.5	0.11	0.01
MIN	0.01	0.19	2.5	3.0	2.7	1.8	2.0	3.9	2.0	0.04	0.00	0.01
AC-FT	4.6	73	259	261	203	149	195	474	378	34	1.2	0.6

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2002, BY WATER YEAR (WY)

MEAN	7.559	9.137	12.57	21.95	28.18	29.46	27.28	31.94	38.26	21.55	11.02	8.304
MAX	41.6	85.0	149	247	241	187	146	132	223	176	101	57.5
(WY)	1984	1984	1984	1997	1997	1986	1986	1983	1983	1983	1983	1983
MIN	0.075	1.12	2.23	3.04	2.20	2.23	1.61	0.68	0.61	0.21	0.010	0.010
(WY)	2002	1991	1991	1962	1991	2001	1988	1992	1992	1988	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1962 - 2002	
ANNUAL TOTAL	700.19		1024.72			
ANNUAL MEAN	1.918		2.807		20.54	
HIGHEST ANNUAL MEAN					115	1983
LOWEST ANNUAL MEAN					1.92	1992
HIGHEST DAILY MEAN	12	Dec 2	13	May 22	1220	Feb 17 1986
LOWEST DAILY MEAN	0.00	Aug 2	0.00	Aug 23	0.00	Sep 9 1977
ANNUAL SEVEN-DAY MINIMUM	0.01	Aug 2	0.01	Aug 17	0.00	Sep 9 1977
MAXIMUM PEAK FLOW			36	Nov 24	3600	Feb 17 1986
MAXIMUM PEAK STAGE			1.85	Nov 24	6.79	Feb 17 1986
ANNUAL RUNOFF (AC-FT)	1390		2030		14880	
10 PERCENT EXCEEDS	4.0		6.5		66	
50 PERCENT EXCEEDS	1.6		2.5		6.2	
90 PERCENT EXCEEDS	0.01		0.01		1.1	

e Estimated

10349495 STEAMBOAT CREEK AT GEIGER GRADE NEAR STEAMBOAT, NV

LOCATION.--Lat 39°24'19", long 119°44'38", in NE $^1/_4$ NW $^1/_4$ sec.28, T.18 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on left bank 0.1 miles east of the junction of State Route 341 (Geiger Grade) and U.S. 395 nr Steamboat, NV.

DRAINAGE AREA.-- 140 mi^2, approximately.

PERIOD OF RECORD.--May to September 1982, May 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,543 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Many diversions for irrigation above station. Flow partly regulated by Washoe Lake (station 10348700). See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 135 ft^3/s, June 19, 1982; minimum daily, 0.23 ft^3/s, June 24, 2001.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum daily discharge, 3,600 ft^3/s, February 17, 1986, from slope-area determination in vicinity of present gage.

EXTREMES FOR CURRENT YEAR.-- Maximum discharge, 15 ft^3/s, November 24, gage height, 7.37 ft; minimum daily, 0.02 ft^3/s, July 4-5 and 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	0.42	2.6	3.5	2.8	1.9	2.1	0.47	0.27	0.07	0.03	0.10
2	1.1	0.44	6.1	3.7	2.8	2.0	2.2	0.51	0.23	0.05	0.06	0.09
3	1.1	0.44	3.0	3.4	2.3	2.1	2.3	0.52	0.17	0.03	0.08	0.09
4	1.1	0.45	2.6	2.8	2.2	2.1	2.2	0.89	0.14	0.02	0.09	0.08
5	1.1	0.46	3.1	2.6	2.2	2.1	3.0	0.94	0.17	0.02	0.12	0.13
6	1.0	0.47	3.1	2.7	2.2	2.1	2.3	0.84	0.24	0.04	0.13	0.14
7	1.0	0.48	3.0	2.4	2.2	3.2	1.4	0.86	0.25	0.05	0.13	0.18
8	1.0	0.49	2.9	1.7	3.6	2.7	1.2	0.87	0.24	0.05	0.12	0.21
9	1.1	0.50	2.9	1.7	2.8	2.4	0.30	0.87	0.22	0.05	0.12	0.19
10	0.93	0.51	2.9	1.6	2.6	2.4	0.21	0.93	0.12	0.04	0.11	0.17
11	0.57	0.53	2.8	1.6	2.6	2.3	0.19	0.93	0.12	0.03	0.10	0.16
12	0.46	0.53	2.8	1.5	2.6	2.3	0.17	0.91	0.10	0.04	0.08	0.17
13	0.43	0.52	2.7	1.5	2.6	2.3	0.16	0.67	0.11	0.08	0.07	0.17
14	0.40	0.51	3.1	1.5	2.7	2.4	0.15	0.15	0.16	0.10	0.11	0.16
15	0.40	e0.53	2.7	1.3	2.6	2.4	0.14	0.11	0.18	0.11	0.11	0.15
16	0.39	e0.55	2.7	1.4	2.6	2.4	0.15	0.11	0.20	0.11	0.09	0.18
17	0.37	0.56	3.0	1.5	2.6	2.4	0.14	0.08	0.20	0.09	0.08	0.24
18	0.35	0.57	2.8	1.5	2.5	2.3	0.17	0.21	0.18	0.14	0.08	0.26
19	0.37	0.59	2.6	1.7	2.4	2.2	0.20	0.19	0.18	0.16	0.10	0.29
20	0.37	0.59	2.6	1.8	2.4	2.2	0.19	0.19	0.22	0.11	0.10	0.37
21	0.35	0.61	1.8	2.3	2.3	2.1	0.85	0.18	0.30	0.09	0.11	0.40
22	0.37	0.64	1.8	2.4	2.3	2.1	1.5	0.19	0.31	0.10	0.13	0.38
23	0.37	0.56	1.8	2.4	2.2	2.2	0.73	0.20	0.30	0.08	0.13	0.43
24	0.39	4.8	1.8	2.6	2.3	2.4	0.66	0.18	0.32	0.06	0.12	0.43
25	0.39	4.5	1.8	2.8	2.4	2.3	0.33	0.13	0.42	0.06	0.12	0.42
26	0.40	2.4	2.4	2.7	2.1	2.1	0.37	0.20	0.49	0.07	0.13	0.48
27	0.40	1.6	2.8	2.8	1.8	2.1	0.35	0.29	0.50	0.06	0.12	0.51
28	0.40	1.6	3.0	2.6	1.9	2.4	0.32	0.30	0.47	0.04	0.11	0.50
29	0.41	2.8	3.5	2.7	---	2.0	0.40	0.32	0.40	0.04	0.11	0.51
30	0.43	2.6	2.6	2.5	---	2.1	0.39	0.22	0.12	0.03	0.10	0.57
31	0.44	---	3.1	2.6	---	2.0	---	0.20	---	0.02	0.10	---
TOTAL	19.09	32.25	86.4	69.8	68.6	70.0	24.77	13.66	7.33	2.04	3.19	8.16
MEAN	0.62	1.07	2.79	2.25	2.45	2.26	0.83	0.44	0.24	0.066	0.10	0.27
MAX	1.2	4.8	6.1	3.7	3.6	3.2	3.0	0.94	0.50	0.16	0.13	0.57
MIN	0.35	0.42	1.8	1.3	1.8	1.9	0.14	0.08	0.10	0.02	0.03	0.08
AC-FT	38	64	171	138	136	139	49	27	15	4.0	6.3	16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2002, BY WATER YEAR (WY)

MEAN	0.62	1.07	2.79	2.25	2.45	2.26	0.83	30.8	29.8	22.6	5.04	6.08
MAX	0.62	1.07	2.79	2.25	2.45	2.26	0.83	61.2	88.8	67.2	14.5	16.7
(WY)	2002	2002	2002	2002	2002	2002	2002	1982	1982	1982	1982	1982
MIN	0.62	1.07	2.79	2.25	2.45	2.26	0.83	0.44	0.24	0.066	0.10	0.27
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2002 WATER YEAR		WATER YEARS 1982 - 2002	
ANNUAL TOTAL	405.29			
ANNUAL MEAN	1.11		1.11	
HIGHEST ANNUAL MEAN			1.11	2002
LOWEST ANNUAL MEAN			1.11	2002
HIGHEST DAILY MEAN	6.1	Dec 2	135	Jun 19 1982
LOWEST DAILY MEAN	0.02	Jul 4	0.02	Jul 4 2002
ANNUAL SEVEN-DAY MINIMUM	0.04	Jul 2	0.04	Jul 2 2002
MAXIMUM PEAK FLOW	15	Nov 24	135	Jun 19 1982
MAXIMUM PEAK STAGE	7.39	Nov 24		
ANNUAL RUNOFF (AC-FT)	804		804	
10 PERCENT EXCEEDS	2.7		2.7	
50 PERCENT EXCEEDS	0.50		0.50	
90 PERCENT EXCEEDS	0.09		0.09	

e Estimated

PYRAMID AND WINNEMUCCA LAKES BASIN

10349849 STEAMBOAT CREEK AT SHORT LANE AT RENO, NV

LOCATION.--Lat 39°27'57", long 119°43'39", in NE $^1/_4$ SW $^1/_4$ sec.34, T.19 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on right bank, downstream of culvert over Short Lane.

DRAINAGE AREA.-- Not determined.

PERIOD OF RECORD.--April to September 1982, October 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,415 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. Many diversions for irrigation above station. Flow partly regulated by Washoe Lake (station 10348700). See schematic diagram of Pyramid and Winnemucca Lakes Basin. Records furnished by Washoe County for 1982 water year and reviewed by U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 149 ft^3/s, June 20, 1982; minimum daily, 1.4 ft^3/s, July 5-6, 2001.

EXTREMES FOR CURRENT YEAR.-- Maximum discharge, 63 ft^3/s, December 2, gage height, 2.74 ft; minimum daily, 1.9 ft^3/s, August 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	4.0	13	14	12	13	9.2	11	9.6	4.8	1.9	3.5
2	3.5	4.1	35	14	13	13	8.7	11	13	3.3	2.2	2.9
3	3.5	4.2	34	17	12	12	9.4	9.6	13	4.2	4.2	3.2
4	3.8	4.2	23	14	11	12	10	9.4	10	5.4	4.0	3.4
5	3.9	4.2	19	13	11	12	11	10	13	3.0	2.8	2.7
6	4.3	4.2	17	13	11	13	11	9.6	14	2.8	2.2	2.8
7	5.4	4.2	15	12	11	17	11	9.8	14	2.5	3.1	2.9
8	5.4	4.3	14	11	17	15	11	10	11	2.6	2.5	5.1
9	4.3	4.9	13	13	12	14	9.9	9.2	9.7	3.0	2.1	6.5
10	6.5	5.2	13	13	11	13	8.7	6.6	10	2.3	2.1	6.5
11	4.8	4.9	13	12	11	11	8.8	7.5	9.7	2.1	2.3	6.3
12	3.7	4.8	13	12	11	11	8.4	6.8	9.0	3.3	4.0	6.2
13	3.6	4.9	13	11	11	10	8.5	6.4	7.4	2.8	4.0	6.1
14	3.6	6.1	16	11	12	12	9.0	5.3	7.5	3.5	3.1	7.7
15	3.6	5.5	14	11	12	11	9.1	5.0	8.9	3.9	2.5	6.4
16	3.6	5.9	13	10	13	11	11	4.8	12	3.2	2.6	5.8
17	3.5	5.2	13	11	13	11	11	4.7	13	3.0	3.0	4.6
18	3.5	5.0	14	10	13	9.9	13	7.2	15	3.0	2.9	3.6
19	3.5	5.0	12	10	13	9.7	15	10	14	3.8	3.2	4.1
20	3.6	4.9	12	11	12	11	13	15	5.1	3.3	2.7	4.6
21	3.6	4.4	12	12	13	11	13	12	5.3	2.8	2.4	4.5
22	3.6	5.3	12	11	12	10	12	10	7.1	3.1	2.7	5.8
23	3.6	5.7	12	11	12	10	10	19	9.0	3.1	3.6	6.7
24	3.6	15	12	12	12	11	9.6	17	8.4	2.4	3.8	7.2
25	3.7	17	11	13	12	11	8.7	11	3.9	2.2	3.2	7.4
26	3.7	11	12	13	15	11	8.9	10	5.3	2.5	3.7	9.0
27	3.7	10	12	13	14	10	9.3	13	4.7	2.0	4.3	11
28	3.7	10	13	12	14	10	8.7	10	3.8	2.4	3.3	8.7
29	3.6	12	17	12	---	9.7	13	9.6	4.7	3.6	3.0	7.2
30	3.7	14	14	12	---	8.8	13	9.9	6.1	3.1	2.9	5.6
31	4.1	---	15	12	---	8.5	---	10	---	2.1	3.5	---
TOTAL	121.8	200.1	471	376	346	352.6	312.9	300.4	277.2	95.1	93.8	168.0
MEAN	3.93	6.67	15.2	12.1	12.4	11.4	10.4	9.69	9.24	3.07	3.03	5.60
MAX	6.5	17	35	17	17	17	15	19	15	5.4	4.3	11
MIN	3.5	4.0	11	10	11	8.5	8.4	4.7	3.8	2.0	1.9	2.7
AC-FT	242	397	934	746	686	699	621	596	550	189	186	333

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2002, BY WATER YEAR (WY)

MEAN	6.18	8.91	14.2	13.0	14.4	13.6	9.12	30.1	38.3	29.4	9.88	14.4
MAX	8.43	11.1	15.2	13.8	16.4	15.8	10.4	74.1	103	82.6	24.2	34.6
(WY)	2001	2001	2002	2001	2001	2001	2002	1982	1982	1982	1982	1982
MIN	3.93	6.67	13.2	12.1	12.4	11.4	7.81	6.49	3.09	2.47	2.43	3.01
(WY)	2002	2002	2001	2002	2002	2002	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1982 - 2002	
ANNUAL TOTAL	2941.4		3114.9			
ANNUAL MEAN	8.06		8.53		8.58	
HIGHEST ANNUAL MEAN					8.64	2001
LOWEST ANNUAL MEAN					8.53	2002
HIGHEST DAILY MEAN	35	Dec 2	35	Dec 2	149	Jun 20 1982
LOWEST DAILY MEAN	1.4	Jul 5	1.9	Aug 1	1.4	Jul 5 2001
ANNUAL SEVEN-DAY MINIMUM	1.5	Jul 1	2.4	Aug 5	1.5	Jul 1 2001
MAXIMUM PEAK FLOW			63	Dec 2	149	Jun 20 1982
MAXIMUM PEAK STAGE			2.74	Dec 2		
ANNUAL RUNOFF (AC-FT)	5830		6180		6220	
10 PERCENT EXCEEDS	16		13		15	
50 PERCENT EXCEEDS	5.3		9.2		8.7	
90 PERCENT EXCEEDS	2.3		3.0		2.5	

10349980 STEAMBOAT CREEK AT CLEANWATER WAY NEAR RENO, NV

LOCATION.--Lat 39°30'47", long 119°42'41", in SW $^1/_4$ NW $^1/_4$ sec.14, T.19 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on right bank, 0.75 mi above confluence with Truckee River, and 2.0 mi east of Reno.

DRAINAGE AREA.--244 mi^2.

PERIOD OF RECORD.--November 1992 to December 1996, January 1998 to current year. Records kept by Federal Court Watermaster July 1976 to September 1992. Prior to November 1992, published as "at Kimlick Lane."

GAGE.--Water-stage recorder. Datum of gage is 4,375 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. Many diversions for irrigation above station. Flow partly regulated by Washoe Lake (station 10348700), Steamboat Ditch, and other municipal ponds. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,590 ft^3/s, March 10, 1995, gage height, 13.09 ft; maximum gage height, 21.90 ft, January 2, 1997, backwater from Truckee River; minimum daily, 0.63 ft^3/s, August 21, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 369 ft^3/s, December 2, gage height, 7.86 ft; minimum daily, 11 ft^3/s, October 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	13	27	40	26	35	31	32	39	23	41	28
2	24	14	211	39	28	35	28	29	40	21	81	27
3	27	14	161	58	30	37	30	25	42	23	59	25
4	24	17	75	39	26	35	35	27	38	34	25	23
5	24	17	51	34	23	31	35	29	39	39	19	26
6	25	15	43	31	24	40	38	24	43	38	18	20
7	25	14	38	33	26	56	38	29	43	40	18	21
8	24	13	35	32	41	44	33	31	40	39	17	27
9	22	16	30	49	32	39	32	26	37	40	15	28
10	24	18	33	35	28	40	30	27	40	41	17	29
11	23	15	31	29	29	36	e30	36	36	38	17	29
12	20	18	31	28	25	36	29	32	38	41	20	29
13	19	16	28	30	25	36	29	25	33	42	20	32
14	18	17	42	28	28	44	29	24	32	44	17	32
15	18	17	35	25	29	43	29	23	33	45	16	34
16	15	17	28	24	30	36	29	19	33	44	17	29
17	14	16	34	26	35	36	27	21	37	40	16	29
18	13	15	29	28	34	35	35	20	35	40	16	29
19	15	16	29	25	32	31	46	26	36	43	16	25
20	14	16	29	24	31	30	39	30	26	42	16	30
21	13	16	26	28	35	33	35	37	23	41	21	33
22	14	17	27	23	35	31	32	37	26	40	22	34
23	12	19	28	21	35	28	30	40	28	36	23	35
24	11	100	29	22	36	34	28	37	27	42	23	37
25	12	78	24	24	36	34	27	36	23	39	24	36
26	12	37	22	27	35	32	38	38	22	35	28	34
27	11	24	27	26	35	29	36	44	28	39	26	43
28	13	23	39	25	35	32	28	48	25	40	25	42
29	14	22	67	23	---	31	70	42	24	40	22	42
30	14	27	38	27	---	31	44	36	24	40	23	42
31	20	---	45	26	---	32	---	37	---	35	25	---
TOTAL	562	677	1392	929	864	1102	1020	967	990	1184	743	930
MEAN	18.13	22.57	44.90	29.97	30.86	35.55	34.00	31.19	33.00	38.19	23.97	31.00
MAX	28	100	211	58	41	56	70	48	43	45	81	43
MIN	11	13	22	21	23	28	27	19	22	21	15	20
AC-FT	1110	1340	2760	1840	1710	2190	2020	1920	1960	2350	1470	1840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2002, BY WATER YEAR (WY)

MEAN	35.23	33.31	45.44	48.03	66.28	79.32	64.93	94.35	81.73	53.56	38.58	43.53
MAX	66.6	61.0	131	67.1	135	148	132	194	149	108	66.7	90.2
(WY)	1999	1999	1997	1999	1999	1996	1998	1996	1998	1995	1999	1998
MIN	3.64	12.4	13.0	27.3	27.6	30.0	22.6	31.2	21.7	7.11	1.82	2.11
(WY)	1995	1995	1995	1994	1994	1994	1993	2002	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1993 - 2002	
ANNUAL TOTAL	11653		11360			
ANNUAL MEAN	31.93		31.12		54.87	
HIGHEST ANNUAL MEAN					94.2	1996
LOWEST ANNUAL MEAN					22.5	1994
HIGHEST DAILY MEAN	211	Dec 2	211	Dec 2	1140	Mar 11 1995
LOWEST DAILY MEAN	11	Oct 24	11	Oct 24	0.63	Aug 21 1994
ANNUAL SEVEN-DAY MINIMUM	12	Oct 21	12	Oct 21	0.93	Aug 15 1994
MAXIMUM PEAK FLOW			369	Dec 2	1590	Mar 10 1995
MAXIMUM PEAK STAGE			7.86	Dec 2	21.90	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	23110		22530		39750	
10 PERCENT EXCEEDS	41		42		123	
50 PERCENT EXCEEDS	32		29		38	
90 PERCENT EXCEEDS	18		17		18	

e Estimated

PYRAMID AND WINNEMUCCA LAKES BASIN

10350000 TRUCKEE RIVER AT VISTA, NV

LOCATION.--Lat 39°31'14", long 119°42'00", in SW $^1/_4$ SE $^1/_4$ sec.11, T.19 N., R.20 E., Washoe County, Hydrologic Unit 16050102, 0.4 mi south of Vista, 600 ft downstream from Steamboat Creek, on the northeast side of Reno-Sparks Sewage Treatment Plant, and at mi 53.38 upstream from Marble Bluff Dam.

DRAINAGE AREA.--1,430 mi^2.

PERIOD OF RECORD.--August 1899 to December 1907, January 1932 to December 1954, October 1958 to current year. Monthly discharge only for some periods, published in WSP 1314 and 1734.

REVISED RECORDS.--WSP 1634: 1904. WSP 1734: 1907 (M). WDR NV-75-1: 1963 (M). WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,367.60 ft above NGVD of 1929, from levels from U.S. Coast and Geodetic Benchmark. Prior to April 16, 1907, nonrecording gages at several sites at various datums in vicinity of previous gage site 1.2 mi downstream. May to December 1907 reference point on railroad bridge 1.0 mi downstream. January 1932 to December 1954, October 1958 to August 17, 1959, water-stage recorder at site 0.9 mi downstream at datum 5.59 ft higher. August 18, 1959 to December 9, 1959, staff gage at different datum. December 10 1959 to September 30, 1993, at site 1.2 mi downstream at datum 0.99 ft higher.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lake Tahoe (station 10337000), Prosser Creek (station 10340300), Stampede (station 10344300), and Boca (station 10344490) Reservoirs, and other lakes, combined capacity 1,070,000 acre-ft. Several powerplants and many diversions above station. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,900 ft^3/s, February 1, 1963, gage height, 16.76 ft, maximum gage height, 24.16 ft, January 2, 1997; minimum daily, 7.0 ft^3/s August 26, 1935.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height known. 17.04 ft from floodmarks, December 1955, at site and datum used 1958-59, discharge about 15,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,740 ft^3/s, April 15, gage height, 7.34 ft; minimum daily, 175 ft^3/s, August 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	372	359	362	427	361	465	693	1050	1530	258	327	253
2	393	354	760	404	349	449	801	959	1450	254	342	270
3	370	343	620	451	344	436	861	920	1310	342	306	267
4	363	336	407	389	329	430	985	975	1180	380	259	246
5	358	333	378	373	314	446	1090	1040	1180	399	238	289
6	364	308	403	364	317	490	1050	1060	1120	416	204	312
7	359	297	406	516	341	682	996	1100	1060	416	175	321
8	379	331	375	463	430	595	985	1040	1020	468	183	324
9	384	327	286	422	395	544	1120	975	957	453	179	328
10	401	343	268	368	373	520	1080	989	856	434	185	330
11	346	370	308	360	378	504	1180	947	710	426	187	326
12	342	370	368	350	393	482	1230	922	625	430	197	318
13	352	374	383	335	405	500	1300	937	577	430	191	326
14	346	346	431	359	416	493	1350	969	594	424	184	349
15	336	325	394	342	420	435	1600	937	575	455	184	347
16	333	348	389	329	414	419	1300	986	530	420	183	347
17	307	357	427	374	424	388	1150	991	510	423	185	351
18	302	352	391	344	412	390	1140	1060	540	503	180	319
19	305	338	378	345	381	388	1030	1080	483	501	180	316
20	312	348	386	324	439	392	965	1020	296	432	180	337
21	292	336	415	345	498	403	943	929	290	398	184	364
22	312	487	404	341	465	403	940	836	303	390	198	362
23	335	440	414	332	494	446	992	932	308	369	189	389
24	334	548	405	337	508	481	1070	906	342	367	192	370
25	328	622	395	359	484	473	1140	882	274	347	201	372
26	314	461	401	357	467	455	1320	916	317	369	205	364
27	291	396	401	350	469	450	1210	932	335	401	207	386
28	281	377	419	335	479	487	1240	923	297	377	199	377
29	311	369	467	321	---	533	1390	917	270	366	237	386
30	307	375	391	317	---	582	1260	983	247	364	241	406
31	385	---	454	327	---	656	---	1310	---	346	248	---
TOTAL	10514	11270	12686	11360	11499	14817	33411	30423	20086	12358	6550	10052
MEAN	339.2	375.7	409.2	366.5	410.7	478.0	1114	981.4	669.5	398.6	211.3	335.1
MAX	401	622	760	516	508	682	1600	1310	1530	503	342	406
MIN	281	297	268	317	314	388	693	836	247	254	175	246
AC-FT	20850	22350	25160	22530	22810	29390	66270	60340	39840	24510	12990	19940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1899 - 2002, BY WATER YEAR (WY)

MEAN	431.5	556.2	679.5	766.3	909.1	1026	1320	1705	1224	535.0	353.4	382.6
MAX	1304	2650	3705	6858	4066	5420	4979	5643	5740	3007	1476	1529
(WY)	1908	1984	1984	1997	1986	1986	1907	1952	1983	1983	1907	1983
MIN	41.7	87.7	94.9	122	121	197	233	103	46.2	79.8	36.7	28.8
(WY)	1934	1933	1933	1991	1991	1933	1977	1934	1934	1992	1935	1935

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1899 - 2002	
ANNUAL TOTAL	166685		185026			
ANNUAL MEAN	456.7		506.9		824.4	
HIGHEST ANNUAL MEAN					2786	1983
LOWEST ANNUAL MEAN					158	1992
HIGHEST DAILY MEAN	760	Dec 2	1600	Apr 15	17400	Feb 1 1963
LOWEST DAILY MEAN	268	Dec 10	175	Aug 7	7.0	Aug 26 1935
ANNUAL SEVEN-DAY MINIMUM	309	Oct 16	182	Aug 14	9.7	Aug 21 1935
MAXIMUM PEAK FLOW			1740	Apr 15	18900	Feb 1 1963
MAXIMUM PEAK STAGE			7.34	Apr 15	24.16	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	330600		367000		597200	
10 PERCENT EXCEEDS	593		1020		1880	
50 PERCENT EXCEEDS	438		389		503	
90 PERCENT EXCEEDS	343		270		196	

PYRAMID AND WINNEMUCCA LAKES BASIN

10350340 TRUCKEE RIVER NEAR TRACY, NV

LOCATION.--Lat 39°33'24", long 119°33'08", in NE $^1/_4$ SE $^1/_4$ sec.31, T.20 N., R.22 E., Washoe County, Hydrologic Unit 16050102, on left bank, upstream side of bridge, 1.5 mi upstream from Tracy powerplant, 11.5 mi east of Sparks and at mi 42.75 upstream from Marble Bluff Dam.

DRAINAGE AREA.--1,580 mi^2.

PERIOD OF RECORD.--June 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,300 ft above NGVD of 1929, from topographic map. Replaces gage (10350400) Truckee River below Tracy, operated 1.5 mi downstream and destroyed in January 1997 flood. Low flows not equivalent due to diversions between sites.

REMARKS.--Records fair except for July through September daily discharges which are poor. Heavy aquatic growth in channel during this period created an unreliable stage-discharge relationship. Flow regulated by Lake Tahoe (station 10337000), Martis Creek Lake (station 10339380), Prosser Creek (station 10340300), Stampede (station 10344300) and Boca (station 10344490) Reservoirs, Donner (station 10338400) and Independence (station 10342900) Lakes, and several powerplants. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,980 ft^3/s, March 24, 1998, gage height, 13.60 ft; minimum daily, 179 ft^3/s, August 7, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,890 ft^3/s, April 15, gage height, 9.54 ft; maximum gage-height, 9.64 ft, June 1, backwater from aquatic growth; minimum daily, 179 ft^3/s, August 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	382	402	374	431	334	427	682	1160	1670	290	322	333
2	408	386	742	393	327	412	802	1040	1580	265	355	352
3	394	377	728	452	324	396	878	991	1450	355	357	348
4	394	372	438	402	310	391	1010	1040	1310	383	267	330
5	390	368	386	372	294	399	1140	1120	1290	384	245	354
6	394	346	410	359	299	426	1100	1150	1210	397	226	383
7	395	331	414	494	306	645	1050	1190	1130	390	179	406
8	396	353	392	466	382	583	1030	1110	1080	396	184	403
9	415	355	326	425	364	512	1170	1020	1040	389	188	400
10	437	355	282	367	344	487	1140	1010	899	357	197	408
11	358	385	298	353	345	472	1220	984	730	333	211	397
12	353	388	371	347	356	442	1300	939	630	316	226	385
13	369	386	385	335	363	452	1370	947	564	315	231	388
14	367	372	421	347	379	452	1410	986	586	300	230	405
15	367	356	402	336	382	409	1690	971	581	317	227	406
16	358	368	381	325	379	368	1420	1010	547	302	237	406
17	342	378	413	354	385	354	1240	1020	522	305	239	398
18	334	377	399	335	382	348	1200	1100	553	381	240	371
19	341	360	371	336	349	346	1120	1150	523	385	237	358
20	346	371	372	308	383	348	1020	1080	354	334	234	363
21	336	355	396	337	464	357	1010	1010	320	312	241	403
22	344	467	396	327	425	357	1010	879	348	312	252	397
23	371	503	401	320	447	388	1040	980	349	307	247	413
24	375	551	397	318	477	433	1120	960	363	308	254	401
25	366	683	381	343	446	431	1200	919	325	303	251	399
26	359	495	388	332	430	413	1400	967	322	315	271	383
27	331	416	385	334	426	406	1310	965	346	353	261	401
28	328	391	391	325	442	435	1320	967	321	353	265	398
29	332	381	467	297	---	489	1480	965	309	343	288	401
30	349	386	387	304	---	548	1380	1040	293	354	318	415
31	405	---	436	306	---	629	---	1350	---	357	326	---
TOTAL	11436	12014	12730	11080	10544	13555	35262	32020	21545	10511	7806	11605
MEAN	369	400	411	357	377	437	1175	1033	718	339	252	387
MAX	437	683	742	494	477	645	1690	1350	1670	397	357	415
MIN	328	331	282	297	294	346	682	879	293	265	179	330
AC-FT	22680	23830	25250	21980	20910	26890	69940	63510	42730	20850	15480	23020

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2002, BY WATER YEAR (WY)

MEAN	481	485	583	583	900	1378	1474	1712	1418	673	448	507
MAX	693	606	958	904	2345	2507	2266	3098	3296	1463	632	718
(WY)	1999	1999	1999	1999	1999	1997	1998	1999	1998	1998	1998	1998
MIN	369	400	411	357	377	437	487	395	414	339	252	387
(WY)	2002	2002	2002	2002	2002	2002	2001	2001	2001	2002	2002	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1997 - 2002	
ANNUAL TOTAL	164293		190108			
ANNUAL MEAN	450		521		863	
HIGHEST ANNUAL MEAN					1387	1999
LOWEST ANNUAL MEAN					471	2001
HIGHEST DAILY MEAN	742	Dec 2	1690	Apr 15	5220	Mar 24 1998
LOWEST DAILY MEAN	282	Dec 10	179	Aug 7	179	Aug 7 2002
ANNUAL SEVEN-DAY MINIMUM	331	May 23	202	Aug 6	202	Aug 6 2002
MAXIMUM PEAK FLOW			1890	Apr 15	6980	Mar 24 1998
MAXIMUM PEAK STAGE			9.64	Jun 1	13.60	Mar 24 1998
ANNUAL RUNOFF (AC-FT)	325900		377100		625100	
10 PERCENT EXCEEDS	589		1080		2070	
50 PERCENT EXCEEDS	421		386		524	
90 PERCENT EXCEEDS	361		303		375	

10350500 TRUCKEE RIVER AT CLARK, NV

LOCATION--Lat 39°33'56", long 119°29'08", in SE $^1/_4$ SW $^1/_4$ sec.26, T.20 N., R.22 E., Storey County, Hydrologic Unit 16050102, on left bank, about 250 ft downstream from Clark Bridge, about 2 mi downstream from cooling pond outlet at Tracy powerplant, about 0.2 mi west of Clark, and at mi 38.60, upstream from Marble Bluff Dam. Prior to January 16, 1985, at site about 200 ft upstream on right bank.

DRAINAGE AREA.--1,600 mi^2, approximately.

PERIOD OF RECORD.--Water years 1972 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1983 to September 1988; September 1993 to September 1998; November 2000 to current year.

WATER TEMPERATURE: June 1972 to September 1977; June 1978 to September 1998; November 2000 to current year.

INSTRUMENTATION.--Specific-conductance recorder from October 1983 to September 1988, hourly; August 1993 to September 1998, ; November 2000 to current year, four times per hour. Temperature recorder from June 1972 to September 1977, continuous; June 1978 to February 1980, four times per hour; March 1980 to May 1982, two times per hour; June 1982 to May 1990, hourly; June to October 1990, four times per hour; November 1990 to July 1993, hourly; August 1993 to September 1998; November 2000 to current year, four times per hour.

REMARKS.--Instantaneous specific-conductance and water-temperature measurements during a site visit can be slightly outside the range of values recorded during the same day by the water-quality monitor. This presumably is due to fluctuations in conductance and temperature during the interval between periodic monitor recordings. In April 1993, station incorporated into the National Water-Quality Assessment Program (NAWQA) to monitor water-quality conditions in the Pyramid and Winnemucca Lakes Basin. Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data."

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 709 microsiemens, November 6, 1994; minimum, 62 microsiemens, February 17, 1986.

WATER TEMPERATURE: Maximum recorded, 29.5°C, June 4, 1977 (temperature presumably higher during period of recorder malfunction in June 1977); minimum, freezing point on several days during winter months of some years.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 364 microsiemens, September 1; minimum recorded, 116 microsiemens, June 1, 2.

WATER TEMPERATURE: Maximum recorded, 26.0°C, July 11, August 14; minimum recorded, 0.5°C, January 20, 30.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Sample type	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)
OCT													
16...	1120	ENVIRONMENTAL	342	656	8.7	96	8.1	280	--	12.9	81	99	--
25...	1330	ENVIRONMENTAL	351	657	11.1	118	8.7	230	13.0	11.5	--	--	--
NOV													
28...	1115	ENVIRONMENTAL	379	650	10.6	94	8.0	253	2.5	3.7	72	87	--
DEC													
19...	1145	ENVIRONMENTAL	400	650	11.2	100	8.2	276	2.5	4.0	80	97	--
JAN													
23...	1130	ENVIRONMENTAL	343	662	12.2	105	7.8	283	1.0	3.0	81	98	--
FEB													
20...	1120	ENVIRONMENTAL	374	658	11.4	113	8.0	283	13.0	8.5	80	97	--
MAR													
19...	1125	ENVIRONMENTAL	354	657	15.6	149	8.3	279	15.5	7.0	55	67	--
APR													
18...	1145	ENVIRONMENTAL	1370	654	11.0	104	7.9	130	6.5	6.5	41	50	--
29...	1315	ENVIRONMENTAL	1540	650	10.0	104	7.8	129	9.0	10.0	--	--	--
MAY													
16...	1215	**FIELD BLANK**	--	--	--	--	--	--	--	--	--	--	--
16...	1230	ENVIRONMENTAL	1280	656	9.7	112	8.0	124	20.0	15.0	45	55	--
29...	1015	**FIELD BLANK**	--	--	--	--	--	--	--	--	--	--	--
29...	1130	ENVIRONMENTAL	1110	656	9.4	113	8.1	144	--	17.0	--	--	--
JUN													
11...	1225	ENVIRONMENTAL	794	657	10.6	124	8.5	152	--	15.8	49	60	1
27...	1110	ENVIRONMENTAL	336	653	10.0	133	8.2	230	26.5	21.5	--	--	--
JUL													
10...	1015	ENVIRONMENTAL	394	663	7.8	105	8.0	209	28.5	23.0	65	--	--
10...	1055	**SEQUENTIAL REPLICATE**	--	*663*	*8.4*	*114*	*8.0*	*208*	*34.0*	*23.1*	*66*	--	--
16...	1120	ENVIRONMENTAL	382	654	8.2	113	7.7	202	28.0	23.5	68	83	--
16...	1145	**SEQUENTIAL REPLICATE**	--	*654*	*8.3*	*114*	*7.8*	*196*	*28.0*	*23.5*	*68*	*83*	--
30...	1100	ENVIRONMENTAL	400	655	8.4	115	8.0	228	30.0	23.1	--	--	--
AUG													
14...	1420	ENVIRONMENTAL	190	653	10.5	151	8.3	314	37.0	25.7	--	--	--
29...	1015	ENVIRONMENTAL	209	652	8.0	105	8.0	295	25.0	21.0	83	101	--
29...	1200	**PESTICIDE SPIKE**	--	--	--	--	--	--	--	--	--	--	--
SEP													
25...	1100	ENVIRONMENTAL	345	654	9.2	113	7.5	238	--	18.0	68	83	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN,PARTICULTE WAT FLT SUSP (MG/L AS N) (49570)	ORTHOPHOSPHATE, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON, INORGANIC, PARTIC. TOTAL (MG/L AS C) (00688)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTICULATE TOTAL (MG/L AS C) (00689)
OCT													
16...	20.2	26.3	<.04	.29	<.05	<.008	.10	E.01	.045	.9	<.1	--	.9
25...	--	--	<.04	.23	<.05	<.008	--	.02	.043	--	--	--	--
NOV													
28...	20.8	22.6	<.04	.31	.10	<.008	.05	.04	.073	.9	<.1	--	.9
DEC													
19...	23.2	25.6	E.02	.34	.13	E.005	.17	.03	.065	.9	<.1	--	.9
JAN													
23...	25.4	25.1	<.04	.32	.11	<.008	.18	.04	.049	.7	<.1	4.1	.7
FEB													
20...	23.7	23.8	<.04	.45	<.05	<.008	.13	E.02	.070	1.5	.1	--	1.4
MAR													
19...	24.7	22.4	<.04	.34	E.03	<.008	.16	.02	.055	1.0	<.1	--	1.0
APR													
18...	8.87	8.1	<.04	.26	E.05	<.008	.02	E.01	.049	1.2	<.1	--	1.1
29...	--	--	<.04	.30	E.03	E.005	--	E.01	.060	--	--	--	--
MAY													
16...	--	--	--	--	--	--	*<.02*	--	--	*.2*	*<.1*	--	*.2*
16...	7.33	8.4	<.04	.28	<.05	<.008	.11	E.01	.048	1.2	.3	4.1	.9
29...	*<.30*	*<.1*	*<.04*	*<.10*	*<.05*	*<.008*	--	*<.02*	*<.004*	--	--	--	--
29...	--	--	<.04	.26	<.05	<.008	--	.02	.055	--	--	--	--
JUN													
11...	9.01	9.9	<.04	.28	<.05	<.008	<.02	.02	.049	.5	<.1	--	.5
27...	--	--	<.04	.33	<.05	.017	--	.05	.084	--	--	--	--
JUL													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	14.1	15.9	<.04	.31	<.05	<.008	.06	.05	.089	.2	<.1	4.8	.2
16...	*13.6*	*15.8*	*<.04*	*.32*	*<.05*	*<.008*	*.03*	*.05*	*.089*	*.2*	*<.1*	*3.7*	*.2*
30...	--	--	E.02	.37	<.05	<.008	--	.04	.063	--	--	--	--
AUG													
14...	24.4	28.9	<.04	.43	<.05	<.008	--	.09	.138	--	--	--	--
29...	21.1	26.7	<.04	.39	<.05	<.008	.12	.04	.088	.7	<.1	--	.6
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
25...	17.1	17.5	<.04	.31	<.05	<.008	.07	.03	.061	.5	<.1	--	.5

Date	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DISSOLVED (UG/L) (34253)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)
OCT													
16...	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
25...	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
NOV													
28...	<.002	<.004	<.002	<.005	E.004	<.010	<.002	E.033	<.020	<.005	<.018	<.003	<.006
DEC													
19...	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.005	<.020	<.005	<.018	<.003	<.006
JAN													
23...	<.006	<.006	<.004	<.005	.007	<.010	<.002	<.041	<.020	.032	<.018	<.003	E.004
FEB													
20...	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
MAR													
19...	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
APR													
18...	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
29...	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
MAY													
16...	*<.006*	*<.006*	*<.004*	*<.005*	*<.007*	*<.010*	*<.002*	*<.041*	*<.020*	*<.005*	*<.018*	*<.003*	*<.006*
16...	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.002	<.020	<.005	<.018	<.003	<.006
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
29...	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.006	E.025	<.005	<.018	<.003	E.005
JUN													
11...	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
27...	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.009	<.020	<.005	<.018	<.003	<.006
JUL													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
16...	*<.006*	*<.006*	*<.004*	*<.005*	*<.007*	*<.010*	*<.002*	*<.041*	*<.020*	*<.005*	*<.018*	*<.003*	*<.006*
30...	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.009	<.020	<.005	<.018	<.003	E.004
AUG													
14...	<.006	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006
29...	<.006	<.006	<.004	<.005	E.004	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.003
29...	*.094*	*.130*	*.137*	*.101*	*.139*	*.105*	*.092*	*E.161*	*E.145*	*.112*	*.151*	*.130*	*E.046*
SEP													
25...	<.006	<.006	<.004	<.005	<.007	<.010	<.002	E.005	<.020	<.005	<.018	<.003	<.006

10350500 TRUCKEE RIVER AT CLARK, NV--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	[a]DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	[a]HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)
OCT													
16...	119	<.005	<.005	<.02	<.002	<.009	<.005	<.003	84.2	<.004	<.035	<.027	<.050
25...	111	<.005	<.005	<.02	<.002	<.009	<.005	<.003	85.6	<.004	<.035	<.027	<.050
NOV													
28...	101	<.005	<.005	<.02	<.002	<.009	<.005	<.003	93.9	<.004	<.035	<.027	<.050
DEC													
19...	89.9	<.005	<.005	<.02	<.002	<.009	<.005	<.003	70.7	<.004	<.035	<.027	<.050
JAN													
23...	106	<.005	<.005	<.02	<.002	<.009	<.005	<.003	95.4	<.004	<.035	<.027	<.050
FEB													
20...	105	<.005	<.005	<.02	<.002	<.009	<.005	<.003	91.8	<.004	<.035	<.027	<.050
MAR													
19...	115	<.005	<.005	<.02	<.002	<.009	<.005	<.003	95.6	<.004	<.035	<.027	<.050
APR													
18...	111	<.005	<.005	<.02	<.002	<.009	<.005	<.003	88.8	<.004	<.035	<.027	<.050
29...	165	<.005	<.005	<.02	<.002	<.009	<.005	<.003	120	<.004	<.035	<.027	<.050
MAY													
16...	*96.4*	*<.005*	*<.005*	*<.02*	*<.002*	*<.009*	*<.005*	*<.003*	*104*	*<.004*	*<.035*	*<.027*	*<.050*
16...	91.2	<.005	<.005	<.02	<.002	<.009	<.005	<.003	94.7	<.004	<.035	<.027	<.050
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
29...	130	<.005	<.005	<.02	<.002	<.009	<.005	<.003	103	<.004	<.035	<.027	<.050
JUN													
11...	103	<.005	<.005	<.02	<.002	<.009	<.005	<.003	96.4	<.004	<.035	<.027	<.050
27...	114	<.005	<.005	<.02	<.002	<.009	<.005	<.003	105	<.004	<.035	<.027	<.050
JUL													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	87.0	<.005	<.005	<.02	<.002	<.009	<.005	<.003	73.1	<.004	<.035	<.027	<.050
16...	*90.5*	*<.005*	*<.005*	*<.02*	*<.002*	*<.009*	*<.005*	*<.003*	*77.2*	*<.004*	*<.035*	*<.027*	*<.050*
30...	112	E.003	<.005	<.02	<.002	<.009	<.005	<.003	106	<.004	<.035	<.027	<.050
AUG													
14...	117	<.005	<.005	<.02	<.002	<.009	<.005	<.003	107	<.004	<.035	<.027	<.050
29...	99.1	<.005	<.005	<.02	<.002	<.009	<.005	<.003	103	<.004	<.035	<.027	<.050
29...	*97.4*	*.101*	*.124*	*<.02*	*.093*	*.093*	*.094*	*.003*	*101*	*.133*	*E.238*	*.112*	*E.230*
SEP													
25...	107	<.005	<.005	<.02	<.002	<.009	<.005	<.003	108	<.004	<.035	<.027	<.050

Date	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
OCT													
16...	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01	<.004
25...	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01	<.004
NOV													
28...	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	M	<.004
DEC													
19...	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01	<.004
JAN													
23...	<.006	E.008	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
FEB													
20...	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
MAR													
19...	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M	<.004
APR													
18...	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
29...	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
MAY													
16...	*<.006*	*<.013*	*<.006*	*<.002*	*<.007*	*<.003*	*<.010*	*<.004*	*<.022*	*<.006*	*<.011*	*<.01*	*<.004*
16...	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
29...	<.006	<.013	.010	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
JUN													
11...	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	M	<.004
27...	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01	<.004
JUL													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
16...	*<.006*	*<.013*	*<.006*	*<.002*	*<.007*	*<.003*	*<.010*	*<.004*	*<.022*	*<.006*	*<.011*	*<.01*	*<.004*
30...	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	E.01	<.004
AUG													
14...	<.081	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
29...	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004
29...	*.152*	*.108*	*.101*	*.110*	*.132*	*.066*	*.149*	*.105*	*.151*	*.045*	*<.011*	*.15*	*.116*
SEP													
25...	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TER-BUTHYL-AZINE, WATER, DISS, REC (UG/L) (04022)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT													
16...	<.010	<.011	<.02	<.011	<.02	<.034	<.02	--	<.005	<.002	<.009	84	3
25...	<.010	<.011	<.02	<.011	<.02	<.034	<.02	--	<.005	<.002	<.009	71	2
NOV													
28...	<.010	<.011	<.02	<.011	<.02	<.034	<.02	--	<.005	<.002	<.009	83	6
DEC													
19...	<.010	<.011	<.02	<.011	<.02	<.034	<.02	--	<.005	<.002	<.009	88	8
JAN													
23...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	--	<.005	<.002	<.009	90	7
FEB													
20...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	U	<.005	<.002	<.009	58	17
MAR													
19...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	--	<.005	<.002	<.009	74	12
APR													
18...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	--	<.005	<.002	<.009	69	18
29...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	--	<.005	<.002	<.009	66	27
MAY													
16...	*<.010*	*<.011*	*<.02*	*<.005*	*<.02*	*<.034*	*<.02*	--	*<.005*	*<.002*	*<.009*	*50*	*<1*
16...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	--	<.005	<.002	<.009	98	11
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
29...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	--	<.005	<.002	<.009	98	8
JUN													
11...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	--	<.005	<.002	<.009	97	6
27...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	--	<.005	<.002	<.009	47	12
JUL													
10...	--	--	--	--	--	--	--	--	--	--	--	91	7
10...	--	--	--	--	--	--	--	--	--	--	--	*94*	*6*
16...	<.010	<.011	<.02	<.005	<.02	--	<.02	--	<.005	<.002	<.009	92	13
16...	*<.010*	*<.011*	*<.02*	*<.005*	*<.02*	--	*<.02*	--	*<.005*	*<.002*	*<.009*	*92*	*8*
30...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	--	<.005	<.002	<.009	86	5
AUG													
14...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	--	<.005	<.002	<.009	46	11
29...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	--	<.005	<.002	<.009	77	10
29...	*.144*	*.157*	*.12*	*.094*	*.17*	*E.131*	*<.02*	--	*.107*	*.123*	*.146*	--	--
SEP													
25...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	--	<.005	<.002	<.009	82	4

Date	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	Date	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT		MAY	
16...	2.8	29...	--
25...	1.9	29...	23.9
NOV		JUN	
28...	6.1	11...	12.9
DEC		27...	10.9
19...	8.6	JUL	
JAN		10...	7.4
23...	6.5	10...	--
FEB		16...	13.4
20...	17.2	16...	--
MAR		30...	5.4
19...	11.5	AUG	
APR		14...	5.6
18...	66.6	29...	5.6
29	112	29...	--
MAY		SEP	
16...	--	25...	3.7
16...	38.0		

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified
U -- Analyzed for, not detected

[a] Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	250	242	246	260	241	251	270	263	266	281	267	273
2	253	239	248	247	237	241	265	234	256	278	270	274
3	245	237	240	245	239	242	293	222	264	292	275	286
4	246	240	243	252	240	245	362	290	334	295	285	289
5	246	238	242	255	250	251	334	324	328	302	295	299
6	249	243	245	260	253	256	325	303	315	303	296	299
7	250	243	246	262	257	259	303	287	293	303	265	289
8	248	244	245	263	255	260	287	280	282	266	250	256
9	254	234	244	256	243	249	300	280	285	272	251	261
10	243	231	238	255	243	250	322	298	305	293	271	284
11	248	229	237	256	246	251	347	322	334	301	290	295
12	251	242	247	248	238	243	347	306	322	301	293	297
13	289	247	261	246	241	245	307	278	289	305	296	298
14	304	289	295	245	240	243	290	269	275	306	302	304
15	305	298	302	255	245	249	307	287	295	303	298	299
16	303	260	281	257	250	254	288	280	284	302	296	299
17	260	248	254	254	245	249	282	271	276	302	294	299
18	254	248	251	247	241	244	280	271	276	307	286	293
19	254	244	250	244	238	241	288	276	282	307	291	297
20	258	252	255	248	243	246	288	276	281	311	288	297
21	257	253	255	247	241	244	279	272	274	311	298	303
22	263	255	258	246	239	244	307	270	292	303	296	300
23	264	250	257	239	211	219	320	305	313	301	290	294
24	251	242	247	251	216	231	332	310	321	300	294	296
25	245	236	241	281	236	264	322	316	319	304	291	297
26	245	242	244	265	259	261	322	311	315	300	286	293
27	253	244	249	265	258	261	312	274	287	299	293	296
28	262	253	257	265	260	262	274	265	268	302	293	297
29	274	259	265	265	262	263	288	262	278	304	294	298
30	273	254	262	270	259	262	284	272	277	358	301	325
31	268	253	259	---	---	---	284	277	281	356	326	339
MONTH	305	229	254	281	211	249	362	222	292	358	250	294

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	332	307	319	249	244	246	204	193	200	151	140	145
2	315	295	301	249	245	248	196	179	190	155	151	154
3	308	295	300	255	245	251	182	169	176	163	155	158
4	308	291	299	261	251	257	176	163	170	159	147	154
5	303	290	297	259	251	256	165	153	159	154	145	150
6	302	292	297	255	245	250	157	152	155	150	137	144
7	307	297	302	256	224	244	159	154	157	143	132	139
8	319	295	304	228	222	224	162	155	159	141	135	138
9	316	296	304	234	225	229	161	150	156	146	138	141
10	296	287	291	239	226	236	151	145	148	148	138	144
11	289	279	285	245	238	242	149	144	147	151	142	148
12	284	272	280	247	238	242	145	140	142	153	146	151
13	275	267	271	248	243	246	141	132	137	151	142	148
14	267	261	264	250	241	244	138	133	135	145	135	142
15	270	264	267	264	249	259	136	118	128	139	130	137
16	271	263	267	280	261	272	132	120	125	139	128	134
17	273	267	270	280	274	278	142	132	136	132	127	129
18	276	268	272	287	275	282	148	139	141	131	120	127
19	280	272	276	287	278	282	159	145	151	127	120	124
20	285	276	281	281	275	278	163	157	160	131	122	127
21	277	250	262	278	272	275	162	159	160	141	130	133
22	259	250	255	280	273	277	163	160	161	150	141	144
23	259	251	255	277	261	270	161	152	158	153	142	147
24	254	239	248	262	251	257	155	146	151	148	144	146
25	247	239	245	259	252	256	149	141	145	146	139	143
26	253	244	248	260	251	255	145	130	140	146	137	142
27	254	248	252	262	254	258	148	137	141	147	135	142
28	254	245	250	258	246	254	141	133	138	146	138	143
29	---	---	---	252	239	247	153	133	138	149	132	144
30	---	---	---	240	219	231	151	142	145	148	136	143
31	---	---	---	222	199	215	---	---	---	140	122	132
MONTH	332	239	277	287	199	254	204	118	152	163	120	142

10350500 TRUCKEE RIVER AT CLARK, NV--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	122	116	119	282	258	265	230	221	224	364	276	322
2	121	116	119	282	261	268	263	227	240	318	262	280
3	127	121	124	289	245	267	273	254	263	264	252	257
4	131	127	129	250	232	241	268	260	263	260	254	257
5	133	127	130	237	229	234	278	265	271	262	257	259
6	136	129	133	235	223	230	282	277	280	261	243	250
7	138	132	136	230	223	228	299	280	286	243	228	237
8	139	131	136	235	226	231	318	299	307	231	224	228
9	138	132	136	231	225	227	322	315	318	235	228	232
10	149	134	141	239	231	234	325	316	321	235	227	232
11	159	149	155	247	220	227	332	318	326	237	225	231
12	174	159	166	239	224	227	332	324	330	240	230	234
13	183	173	177	239	220	227	334	311	325	240	230	233
14	183	177	180	254	224	229	331	312	324	241	229	233
15	180	176	178	248	227	230	333	321	328	231	224	226
16	185	176	181	257	222	225	331	315	324	235	229	232
17	196	183	189	258	223	227	323	314	319	236	230	234
18	198	189	195	229	208	223	320	312	317	232	225	227
19	191	187	189	226	204	215	316	308	313	257	225	232
20	208	190	199	230	205	221	317	311	314	238	230	233
21	234	208	224	254	225	230	316	309	313	237	227	232
22	244	232	238	259	231	235	316	307	312	232	224	228
23	243	236	240	236	225	229	313	300	308	234	227	231
24	247	240	244	235	225	230	313	301	308	231	224	227
25	248	238	243	241	229	234	313	304	307	239	225	232
26	252	239	245	241	231	234	321	301	311	236	227	232
27	243	228	237	232	220	224	308	301	303	230	221	227
28	246	230	240	225	218	221	311	294	303	236	230	234
29	251	240	246	240	220	222	305	294	298	236	226	232
30	261	244	252	230	217	223	329	305	316	229	219	225
31	---	---	---	226	220	223	339	317	329	---	---	---
MONTH	261	116	184	289	204	232	339	221	303	364	219	239
YEAR	364	116	239									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.5	16.0	17.5	12.0	10.0	11.0	6.5	5.0	6.0	7.5	6.5	7.0
2	19.0	17.0	18.0	11.5	10.0	10.5	6.0	5.0	5.5	6.5	6.0	6.5
3	19.0	17.0	18.0	11.0	9.5	10.5	5.0	3.5	4.0	7.5	6.5	7.0
4	19.0	17.0	18.0	11.0	9.5	10.5	4.0	3.0	3.5	6.5	5.0	5.5
5	18.5	16.5	17.5	12.0	10.0	11.0	4.0	3.0	3.5	5.0	4.5	5.0
6	18.0	16.0	17.0	12.0	10.5	11.0	5.5	3.5	4.5	5.5	4.5	5.0
7	17.5	15.5	16.5	11.0	10.0	10.5	6.0	4.5	5.0	6.5	5.0	6.0
8	17.0	15.0	16.0	10.0	9.0	9.5	5.5	4.5	5.0	6.5	5.5	6.0
9	15.5	14.0	15.0	9.5	8.0	9.0	4.5	3.5	4.0	6.0	5.0	5.5
10	14.5	13.0	13.5	9.0	7.5	8.5	4.5	4.0	4.0	6.5	5.5	6.0
11	14.0	12.5	13.5	10.5	8.5	9.5	5.0	3.5	4.0	6.5	5.0	6.0
12	14.0	12.0	13.0	10.5	9.0	9.5	5.5	4.0	4.5	6.5	5.0	6.0
13	14.5	12.0	13.5	10.0	8.5	9.5	5.5	4.5	5.0	6.0	4.5	5.5
14	15.0	13.0	14.0	10.0	8.5	9.5	5.0	3.5	4.5	5.5	4.0	4.5
15	14.5	13.0	14.0	10.0	8.5	9.5	3.5	2.5	3.0	4.0	2.5	3.5
16	14.0	13.0	13.5	10.0	9.0	9.5	2.5	2.0	2.5	3.5	2.0	3.0
17	14.5	13.0	14.0	10.5	9.0	9.5	3.5	2.0	3.0	3.0	2.0	2.5
18	14.5	13.0	14.0	9.5	8.5	9.0	4.5	3.0	3.5	3.0	1.5	2.0
19	14.0	12.5	13.5	8.5	7.5	8.0	4.5	3.0	3.5	2.5	1.5	2.0
20	14.5	13.0	14.0	8.0	7.0	7.5	5.0	3.5	4.0	2.5	0.5	1.5
21	14.5	13.0	13.5	8.5	7.5	8.0	5.5	4.0	4.5	4.0	2.0	3.0
22	14.0	12.5	13.5	8.5	7.5	8.0	5.0	4.0	4.5	4.0	2.5	3.0
23	14.0	12.5	13.0	7.5	7.0	7.0	5.0	4.5	4.5	3.0	1.5	2.5
24	13.0	11.5	12.0	7.0	5.5	6.0	5.0	4.0	4.5	3.0	1.5	2.0
25	12.0	10.5	11.0	5.5	4.5	5.0	4.0	3.0	3.5	3.0	1.5	2.5
26	12.0	10.5	11.5	5.0	4.0	4.5	3.5	2.5	3.0	4.5	2.5	3.5
27	12.5	11.0	11.5	4.5	3.5	4.0	4.0	3.0	3.5	4.0	3.0	3.5
28	13.0	11.5	12.5	4.5	3.5	4.0	5.0	4.0	4.5	3.0	1.5	2.0
29	13.0	11.5	12.5	5.0	4.0	4.5	6.5	4.5	5.5	2.5	1.0	1.5
30	13.0	12.0	12.5	5.5	4.0	5.0	6.5	6.0	6.0	2.0	0.5	1.5
31	12.5	11.0	12.0	---	---	---	7.5	6.0	7.0	2.0	1.0	1.5
MONTH	19.0	10.5	14.2	12.0	3.5	8.3	7.5	2.0	4.3	7.5	0.5	4.0

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.0	1.5	2.5	7.0	5.0	6.0	13.5	10.5	12.0	9.5	7.5	9.0
2	3.5	2.0	3.0	6.5	4.5	5.5	13.5	11.0	12.0	12.5	9.0	10.5
3	4.0	2.0	3.0	7.0	4.0	5.5	13.5	11.0	12.5	14.5	11.0	12.5
4	4.0	2.0	3.5	8.0	5.0	6.5	14.0	11.5	12.5	15.0	12.5	13.5
5	4.0	2.0	3.5	9.0	6.0	7.5	12.5	11.0	12.0	15.0	12.0	13.5
6	4.5	2.5	4.0	10.0	7.5	8.5	12.0	9.5	11.0	14.5	12.0	13.5
7	5.0	3.5	4.5	9.0	6.5	8.0	12.5	10.0	11.0	14.0	12.0	13.0
8	5.5	3.5	4.5	7.0	5.0	6.0	13.0	10.5	12.0	12.5	10.0	11.5
9	5.0	3.5	4.5	6.5	5.0	5.5	12.0	10.0	11.0	13.5	10.5	12.0
10	5.5	3.0	4.5	7.5	5.5	6.5	11.5	9.0	10.5	12.5	11.0	11.5
11	6.0	4.0	5.0	9.0	6.0	7.5	12.5	10.5	11.5	13.0	9.5	11.5
12	7.0	5.0	6.0	10.0	8.0	9.0	13.0	10.5	11.5	14.5	11.5	13.0
13	6.0	5.5	6.0	8.5	6.0	7.0	13.0	10.5	12.0	16.0	13.0	14.0
14	7.0	5.0	6.0	7.5	5.0	6.5	14.0	11.5	12.5	15.5	13.0	14.0
15	7.0	5.5	6.0	6.5	5.0	6.0	12.5	8.0	10.0	16.0	13.5	14.5
16	7.5	6.0	6.5	6.0	4.5	5.0	8.0	6.5	7.0	16.0	13.5	14.5
17	8.0	6.5	7.5	5.0	4.0	4.5	7.5	6.5	7.0	16.5	14.0	15.0
18	8.0	6.0	7.0	6.5	3.5	5.0	7.0	6.0	6.5	15.5	13.5	14.5
19	7.5	7.0	7.5	9.0	5.0	7.0	9.0	6.0	7.0	15.0	12.5	13.5
20	9.5	7.0	8.5	10.0	7.0	9.0	10.0	7.0	8.5	13.0	10.5	12.0
21	10.0	8.0	9.0	11.0	8.5	10.0	12.0	8.5	10.0	11.5	9.5	10.5
22	9.5	8.0	9.0	11.5	9.5	10.5	13.5	10.0	11.5	13.5	10.0	11.5
23	9.0	7.5	8.5	12.0	10.0	10.5	14.0	11.0	12.5	14.5	11.5	13.0
24	9.0	7.0	8.0	10.5	8.5	9.5	13.0	11.0	12.0	16.0	12.5	14.0
25	8.5	6.5	7.5	10.5	8.0	9.5	13.5	11.0	12.5	17.0	14.0	15.0
26	8.5	6.0	7.5	11.5	8.5	10.0	13.0	10.5	11.5	16.5	14.0	15.5
27	8.5	6.5	7.5	12.5	9.5	11.0	12.0	9.5	10.5	16.5	14.0	15.0
28	8.5	6.5	7.5	13.0	10.0	11.5	11.0	9.0	10.0	17.0	13.5	15.0
29	---	---	---	13.5	10.5	12.5	10.5	9.5	10.0	18.5	15.5	17.0
30	---	---	---	13.5	11.0	12.5	10.0	8.5	9.0	19.0	17.0	18.0
31	---	---	---	13.5	11.0	12.0	---	---	---	18.5	17.0	17.5
MONTH	10.0	1.5	6.0	13.5	3.5	8.1	14.0	6.0	10.7	19.0	7.5	13.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.0	14.5	16.0	25.0	21.5	23.0	24.0	22.0	23.0	23.5	20.5	22.0
2	15.5	12.5	14.0	25.0	22.0	23.5	23.5	21.5	22.5	23.5	21.0	22.5
3	16.5	13.5	15.0	24.0	22.0	23.0	23.5	20.5	22.0	22.5	21.0	21.5
4	17.5	15.0	16.0	23.5	20.5	22.0	23.0	20.5	21.5	21.5	19.5	20.5
5	18.5	16.0	17.0	23.5	20.5	22.0	22.0	20.0	21.0	20.5	19.0	19.5
6	19.0	16.5	17.5	23.5	20.5	22.0	22.0	19.5	20.5	19.0	17.0	18.0
7	18.5	16.5	17.5	23.5	20.5	22.0	21.5	19.0	20.0	18.5	16.0	17.0
8	17.0	15.0	16.0	23.5	20.5	22.0	22.0	19.0	20.5	18.5	15.5	17.0
9	16.0	13.5	14.5	24.0	21.0	22.5	22.5	19.5	21.0	18.5	16.0	17.5
10	16.5	13.5	15.0	25.0	22.0	23.5	23.5	20.5	22.0	19.0	16.0	17.5
11	18.0	14.5	16.0	26.0	23.0	24.5	24.5	21.5	23.0	19.5	16.5	18.5
12	19.5	16.0	17.5	25.5	23.5	24.5	25.0	22.0	23.5	20.0	17.5	19.0
13	21.0	17.5	19.5	24.5	22.5	23.5	25.5	22.5	24.0	20.5	17.5	19.0
14	21.5	18.5	20.0	24.5	21.5	23.0	26.0	23.0	24.5	20.5	18.0	19.5
15	21.0	18.0	19.5	25.0	22.5	23.5	25.5	23.0	24.0	20.0	18.0	19.0
16	21.0	18.0	19.5	25.0	22.0	23.5	25.5	22.5	24.0	19.0	16.5	18.0
17	21.0	18.0	19.5	24.0	22.0	23.0	24.5	22.0	23.0	18.5	16.5	17.5
18	21.0	18.5	20.0	22.0	20.0	21.0	23.5	21.0	22.0	18.5	16.5	17.5
19	21.0	19.0	20.0	22.5	19.0	20.5	23.0	20.0	21.5	18.5	16.0	17.5
20	22.0	19.0	20.5	24.0	20.5	22.5	21.0	19.0	20.0	19.0	16.5	18.0
21	22.0	19.5	20.5	25.0	22.0	23.5	21.0	18.0	19.5	19.5	17.0	18.5
22	22.5	19.5	21.0	24.5	22.0	23.0	21.5	18.5	20.0	19.5	17.5	18.5
23	23.5	20.5	22.0	23.5	21.0	22.5	21.5	18.5	20.0	20.0	17.5	19.0
24	23.5	20.5	22.0	23.5	21.0	22.5	22.0	19.0	20.5	20.0	17.5	18.5
25	23.5	20.5	22.0	23.0	20.5	22.0	22.0	19.0	20.5	19.0	17.0	18.0
26	24.0	21.5	22.5	22.5	20.0	21.5	21.5	19.0	20.5	18.0	16.0	17.0
27	23.5	21.0	22.0	23.5	20.5	22.0	22.0	19.5	20.5	18.0	16.0	17.0
28	23.5	20.5	22.0	24.0	21.0	22.5	22.0	19.5	21.0	17.0	15.5	16.5
29	23.5	21.0	22.5	24.5	21.5	23.5	23.0	20.0	21.5	17.0	15.0	16.0
30	24.0	21.0	22.5	24.5	22.5	23.5	22.5	20.0	21.5	16.5	14.5	15.5
31	---	---	---	24.5	22.0	23.5	23.0	20.0	21.5	---	---	---
MONTH	24.0	12.5	19.0	26.0	19.0	22.7	26.0	18.0	21.6	23.5	14.5	18.4
YEAR	26.0	0.5	12.6									

PYRAMID AND WINNEMUCCA LAKES BASIN

10351300 TRUCKEE CANAL NEAR WADSWORTH, NV

LOCATION.--Lat 39°36'46", long 119°17'46", in NW $^1/_4$ SW $^1/_4$ sec. 9, T.20 N., R.24 E., Storey County, Hydrologic Unit 16050102, Pyramid Indian Reservation, on left bank, 2.2 mi southwest of Wadsworth, and at mi 22.04 upstream from terminal weir at Lahontan Reservoir.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1966 to current year.

REVISED RECORDS.--WDR NV-77-1: 1975.

GAGE.--Velocity-stage recorder. Elevation of gage is 4,200 ft above NGVD of 1929, from topographic map. Prior to May 23, 1994, at site 0.9 mi upstream, at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow is regulated by Derby Dam (including two wasteways between gage and Derby Dam) and many reservoirs, powerplants, and diversions above Derby Dam. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 967 ft^3/s March 10 1995; no flow at times, some years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	137	339	359	333	6.5	426	597	610	662	171	130	58
2	212	319	411	e207	6.5	406	665	504	720	152	106	63
3	251	312	546	e90	5.9	389	722	416	740	181	106	66
4	277	307	454	34	7.0	388	767	388	730	220	70	57
5	264	306	365	15	6.5	388	800	390	764	233	64	49
6	271	297	367	15	6.4	420	775	399	749	229	80	80
7	267	282	378	16	20	508	793	397	746	241	77	86
8	264	276	370	19	178	536	803	375	725	226	113	71
9	278	290	331	17	309	496	803	370	690	254	78	77
10	274	286	272	15	307	469	787	377	641	239	88	81
11	259	304	268	13	307	472	813	364	551	237	96	77
12	231	323	325	13	323	459	838	370	463	234	85	65
13	239	319	365	12	336	446	878	370	407	239	101	52
14	258	315	384	12	358	452	884	380	388	251	123	76
15	264	299	393	12	365	435	878	363	387	257	90	88
16	256	302	358	11	372	363	817	352	359	273	78	90
17	258	317	361	11	376	351	820	386	322	251	93	87
18	238	321	388	12	384	332	812	440	315	282	75	60
19	249	309	349	10	364	345	756	483	251	318	70	46
20	255	306	348	9.8	354	361	709	472	119	292	95	86
21	252	307	359	10	429	371	674	462	171	265	72	112
22	246	322	374	9.5	425	376	682	426	148	249	89	91
23	271	462	360	9.2	420	380	688	455	127	243	88	59
24	276	385	362	9.1	442	425	687	493	123	237	106	75
25	272	520	339	9.5	437	433	707	477	89	231	119	64
26	272	462	332	9.2	425	418	750	498	61	226	130	86
27	264	375	328	7.5	422	412	703	505	105	252	116	100
28	273	342	326	7.1	431	422	708	513	101	259	101	64
29	265	341	385	6.5	---	460	697	476	146	246	69	e2.0
30	292	349	362	8.1	---	514	660	342	167	249	101	e0.05
31	308	---	352	10	---	563	---	275	---	204	80	---
TOTAL	7993	9994	11271	972.5	7822.8	13216	22673	13128	11967	7441	2889	2068.05
MEAN	258	333	364	31.4	279	426	756	423	399	240	93.2	68.9
MAX	308	520	546	333	442	563	884	610	764	318	130	112
MIN	137	276	268	6.5	5.9	332	597	275	61	152	64	0.05
AC-FT	15850	19820	22360	1930	15520	26210	44970	26040	23740	14760	5730	4100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2002, BY WATER YEAR (WY)

MEAN	217	243	221	171	178	233	280	328	262	206	190	194
MAX	522	535	660	520	633	722	870	822	822	458	339	340
(WY)	1976	1969	1967	1967	1967	1989	1989	1978	1970	1971	1967	1969
MIN	36.7	11.5	0.000	0.000	0.000	0.000	23.7	59.5	57.7	39.1	3.21	29.8
(WY)	1993	2001	1976	1971	1971	1971	1998	1998	1992	1992	1994	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1967 - 2002	
ANNUAL TOTAL	123605		111435.35			
ANNUAL MEAN	339		305		227	
HIGHEST ANNUAL MEAN					397	1978
LOWEST ANNUAL MEAN					42.8	2000
HIGHEST DAILY MEAN	561	Mar 30	884	Apr 14	967	Mar 10 1995
LOWEST DAILY MEAN	75	Sep 28	0.05	Sep 30	0.00	Dec 14 1967
ANNUAL SEVEN-DAY MINIMUM	87	Sep 25	7.0	Jan 31	0.00	Jan 4 1968
ANNUAL RUNOFF (AC-FT)	245200		221000		164500	
10 PERCENT EXCEEDS	479		663		487	
50 PERCENT EXCEEDS	314		306		192	
90 PERCENT EXCEEDS	234		28		16	

e Estimated

10351400 TRUCKEE CANAL NEAR HAZEN, NV

LOCATION.--Lat 39°30'14", long 119°02'39", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.22, T.19 N., R.26 E., Churchill County, Hydrologic Unit 16050203, on left bank, 500 ft downstream from Bango check dam, 4.0 mi southwest of Hazen, and at mi 3.35 upstream from terminal weir at Lahontan Reservoir.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1966 to current year. Records since October 1, 1980, equivalent if records for the KX lateral are added to flow past station.

GAGE.--Water-stage recorder. Datum of gage is 4,166.53 ft above NGVD of 1929, Bureau of Reclamation datum. Since October 1, 1980, at site 500 ft downstream from Bango check dam. From March 17, 1972, to September 30, 1980, gage on left bank, 0.1 mi downstream from Hazen check dam and auxiliary water-stage recorder 20 ft upstream from KX lateral diversion canal. October 1, 1967, to March 17, 1972, auxiliary water-stage recorder on right bank, approximately 6 mi downstream from base gage.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Derby Dam, diversions, and spillways between Derby Dam and station. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 916 ft^3/s, February 3, 1967; no flow at times, some years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	300	314	e348	e6.0	393	524	602	396	61	30	5.3
2	227	290	309	e207	e6.0	386	570	498	564	21	36	4.8
3	207	265	402	e90	e5.2	374	625	399	611	9.7	25	9.2
4	229	252	402	e33	e5.8	363	675	302	571	104	11	7.4
5	243	269	361	e13	e5.3	357	763	296	639	167	5.4	4.4
6	229	274	312	e13	e5.3	364	752	302	657	156	4.9	3.6
7	182	269	316	e15	e20	406	753	324	631	127	3.9	13
8	234	252	313	e19	e178	502	761	282	624	142	e18	5.5
9	244	248	294	e18	e309	493	749	293	607	110	22	13
10	270	232	244	e16	e305	457	752	300	610	146	4.8	33
11	283	250	e259	e14	e303	437	744	252	518	120	3.9	17
12	236	303	e314	e14	e318	425	757	264	394	106	4.3	19
13	161	321	e353	e13	e329	403	800	289	335	105	3.4	7.0
14	227	314	e372	e12	e348	416	820	259	315	130	3.3	2.7
15	260	300	e381	e12	e354	415	839	285	309	145	3.3	3.2
16	256	294	e347	e12	e360	374	829	293	307	138	3.7	4.4
17	243	291	e351	e11	e363	344	849	279	234	153	3.0	26
18	234	298	e379	e12	e371	330	863	340	228	154	3.4	30
19	220	299	e342	e11	e351	326	823	410	178	265	2.7	12
20	191	284	e342	e10	e341	326	704	428	91	251	6.8	6.1
21	198	288	e354	e11	e406	330	604	442	17	188	4.1	8.0
22	212	284	e371	e10	e404	336	572	425	58	181	3.4	20
23	223	391	e359	e9.4	e399	334	556	379	15	172	2.5	29
24	242	497	e363	e9.0	e418	364	557	439	21	144	2.1	9.0
25	245	513	e342	e9.6	e416	398	562	400	20	100	2.1	9.5
26	223	473	e336	e8.7	e405	393	643	404	11	131	3.8	14
27	247	411	e333	e6.7	331	378	650	394	9.8	134	4.9	5.0
28	244	349	e333	e7.6	386	373	619	414	6.8	157	3.5	6.4
29	245	323	e398	e6.4	---	395	664	394	4.9	166	3.3	18
30	248	309	e374	e8.0	---	436	631	290	40	159	15	26
31	284	---	e366	e10	---	482	---	149	---	113	20	---
TOTAL	7060	9443	10636	989.4	7448.6	12110	21010	10827	9022.5	4255.7	263.5	371.5
MEAN	227.7	314.8	343.1	31.92	266.0	390.6	700.3	349.3	300.8	137.3	8.500	12.38
MAX	284	513	402	348	418	502	863	602	657	265	36	33
MIN	73	232	244	6.4	5.2	326	524	149	4.9	9.7	2.1	2.7
AC-FT	14000	18730	21100	1960	14770	24020	41670	21480	17900	8440	523	737

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2002, BY WATER YEAR (WY)

MEAN	165.5	213.5	205.7	158.5	167.5	213.9	226.3	221.6	152.6	84.13	76.28	114.0
MAX	442	506	620	503	630	668	774	692	673	297	220	290
(WY)	1976	1974	1967	1967	1967	1989	1989	1978	1970	1971	1976	1985
MIN	1.00	2.64	0.000	0.000	0.000	0.000	0.15	0.090	0.28	0.34	0.063	0.52
(WY)	1997	2001	1976	1971	1971	1971	1996	1996	1999	1992	1992	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1967 - 2002	
ANNUAL TOTAL	109229.9		93437.2			
ANNUAL MEAN	299.3		256.0		166.5	
HIGHEST ANNUAL MEAN					330	1978
LOWEST ANNUAL MEAN					2.32	1999
HIGHEST DAILY MEAN	533	Mar 28	863	Apr 18	916	Feb 3 1967
LOWEST DAILY MEAN	7.9	Sep 30	2.1	Aug 24	0.00	Jan 7 1968
ANNUAL SEVEN-DAY MINIMUM	32	Sep 25	3.2	Aug 23	0.00	Dec 11 1970
ANNUAL RUNOFF (AC-FT)	216700		185300		120600	
10 PERCENT EXCEEDS	478		563		443	
50 PERCENT EXCEEDS	271		265		91	
90 PERCENT EXCEEDS	149		5.9		0.68	

e Estimated

10351600 TRUCKEE RIVER BELOW DERBY DAM, NEAR WADSWORTH, NV

LOCATION.--Lat 39°35'05", long 119°26'25", in NW $^1/_4$ SE $^1/_4$ sec.19, T.20 N., R.23 E., Storey County, Hydrologic Unit 16050102, on right bank, 1,500 ft downstream from Derby Dam, 3.2 mi downstream from Clark, 9 mi southwest of Wadsworth, and at mi 34.49 upstream from Marble Bluff Dam.

DRAINAGE AREA.--1,676 mi^2.

PERIOD OF RECORD.--January 1909 to December 1910, January to December 1916, January 1918 to July 1958, October 1958 to current year. Records prior to January 1918 not equivalent, due to site location above Derby Dam.

REVISED RECORDS.--WSP 1714: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,200 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lake Tahoe (station 10337000), Martis Creek Lake (station 10339380), Prosser Creek (station 10340300), Stampede (station 10344300) and Boca (station 10344490) Reservoirs, Donner (station 10338400) and Independence (station 10342900) Lakes, several powerplants, many diversions for irrigation, and by Derby Dam. Truckee Canal diverts water at Derby Dam out of basin to Lahontan Reservoir into the Carson River basin. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,700 ft^3/s, January 3, 1997, gage height, 14.57 ft; no flow some days, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 851 ft^3/s, April 15, gage height, 4.17 ft; minimum daily, 29 ft^3/s, August 9-11, 15-16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	113	38	30	126	323	45	77	486	665	85	89	43
2	113	38	113	234	326	42	93	492	619	91	88	44
3	86	38	198	346	318	41	101	522	550	92	90	50
4	74	38	35	351	316	41	157	567	415	94	85	54
5	78	38	31	316	295	40	265	624	389	106	82	53
6	79	37	35	308	301	43	268	640	345	113	82	56
7	79	37	38	393	264	114	205	671	268	111	56	59
8	78	37	39	415	158	87	183	643	235	122	30	59
9	81	38	38	368	67	51	277	577	220	124	29	61
10	81	39	37	325	54	49	307	566	211	122	29	62
11	79	39	37	299	53	48	332	573	193	119	29	61
12	78	40	38	302	48	42	370	513	178	115	30	61
13	72	40	40	289	43	40	409	523	168	113	31	82
14	69	38	40	296	43	41	434	546	164	98	31	96
15	67	38	41	295	43	40	653	535	164	99	29	96
16	60	38	40	285	43	38	476	540	159	100	29	90
17	58	38	40	302	42	38	297	516	155	100	30	100
18	59	38	41	306	42	37	269	490	160	104	30	125
19	60	38	43	303	41	37	319	510	170	106	30	149
20	60	38	44	281	40	37	290	449	138	103	36	158
21	59	38	43	310	63	36	310	413	78	101	40	165
22	58	33	42	306	51	36	298	363	80	99	39	165
23	58	36	42	300	56	37	330	374	79	99	40	184
24	59	36	42	291	73	38	380	378	78	97	40	205
25	61	85	42	317	55	38	414	367	78	96	38	214
26	61	37	46	320	48	38	509	375	76	96	40	223
27	50	33	45	322	46	38	519	380	78	99	39	242
28	38	33	47	309	45	38	473	407	77	99	40	306
29	38	32	50	286	---	40	607	439	76	94	39	344
30	38	31	46	293	---	43	597	501	74	91	43	354
31	38	---	45	291	---	65	---	619	---	90	44	---
TOTAL	2082	1157	1488	9485	3297	1398	10219	15599	6340	3178	1407	3961
MEAN	67.16	38.57	48.00	306.0	117.8	45.10	340.6	503.2	211.3	102.5	45.39	132.0
MAX	113	85	198	415	326	114	653	671	665	124	90	354
MIN	38	31	30	126	40	36	77	363	74	85	29	43
AC-FT	4130	2290	2950	18810	6540	2770	20270	30940	12580	6300	2790	7860

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2002, BY WATER YEAR (WY)

MEAN	87.68	165.4	340.1	436.5	549.9	581.5	751.5	1037	677.7	180.8	81.08	88.42
MAX	776	2629	3722	6672	3846	4054	3395	4587	5099	2478	716	1071
(WY)	1983	1984	1984	1997	1997	1986	1952	1952	1983	1983	1975	1983
MIN	0.90	0.13	0.22	0.24	1.22	0.57	6.93	16.6	11.4	6.87	5.39	4.37
(WY)	1995	1956	1962	1962	1961	1962	1931	1931	1960	1931	1931	1931

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1918 - 2002	
ANNUAL TOTAL	30273		59611			
ANNUAL MEAN	82.94		163.3		412.8	
HIGHEST ANNUAL MEAN					2430	1983
LOWEST ANNUAL MEAN					6.16	1931
HIGHEST DAILY MEAN	198	Dec 3	671	May 7	16400	Jan 3 1997
LOWEST DAILY MEAN	26	Apr 23	29	Aug 9	0.00	Jun 26 1918
ANNUAL SEVEN-DAY MINIMUM	26	Apr 21	30	Aug 9	0.00	Nov 3 1955
MAXIMUM PEAK FLOW			851	Apr 15	19700	Jan 3 1997
MAXIMUM PEAK STAGE			4.17	Apr 15	14.57	Jan 3 1997
INSTANTANEOUS LOW FLOW			27	Nov 24		
ANNUAL RUNOFF (AC-FT)	60050		118200		299100	
10 PERCENT EXCEEDS	138		414		1290	
50 PERCENT EXCEEDS	71		81		35	
90 PERCENT EXCEEDS	37		38		4.0	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1988 to 1996; 2001 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June 1988 to September 1996; October 2001 to September 2002.

INSTRUMENTATION.--Water temperature monitor June 1988 to September 1996, hourly; October 2001 to September 2002, four times per hour.

REMARKS.--Records represent water temperature at probe within 0.5°C.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum daily, 30.0°C, July 15, 1992; minimum, freezing point on several days during winter months in most years.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum recorded, 27.5°C, August 14; minimum recorded, 1.5°C, several days in December.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.5	16.0	17.5	12.5	9.5	10.5	6.0	4.5	5.0	7.0	6.5	6.5
2	20.0	17.0	18.0	11.5	9.0	10.0	6.0	4.0	5.0	6.5	6.0	6.0
3	---	---	---	11.5	8.5	10.0	5.0	3.5	4.5	7.5	6.0	6.5
4	---	---	---	11.5	8.5	10.0	4.0	2.0	3.0	6.5	5.0	5.5
5	20.0	15.5	17.0	12.0	9.0	10.5	4.5	2.5	3.5	5.0	4.5	5.0
6	19.0	15.0	16.5	12.0	9.5	10.5	5.5	3.5	4.5	5.5	4.5	5.0
7	19.0	14.5	16.5	11.0	9.0	10.0	5.0	3.5	4.5	6.5	5.0	5.5
8	18.5	14.0	15.5	10.0	8.0	8.5	5.0	3.5	4.0	6.5	5.0	5.5
9	16.0	13.0	14.0	9.5	7.0	8.0	4.5	3.0	3.5	6.0	5.0	5.5
10	15.0	11.5	13.0	9.0	6.5	8.0	4.5	3.0	3.5	6.5	5.0	5.5
11	14.5	11.5	13.0	10.0	8.0	9.0	4.0	2.5	3.0	6.5	5.0	5.5
12	15.5	10.0	12.0	10.0	8.0	9.0	4.5	3.0	4.0	6.5	5.0	5.5
13	---	---	---	10.0	8.0	9.0	5.5	3.5	4.5	6.0	4.5	5.0
14	---	---	---	10.5	8.0	9.0	5.0	2.5	4.0	5.0	3.5	4.5
15	---	---	---	10.0	8.0	9.0	3.0	1.5	2.0	---	---	---
16	---	---	---	10.5	8.5	9.0	3.0	1.5	2.0	---	---	---
17	---	---	---	10.0	8.0	8.5	3.5	1.5	2.5	---	---	---
18	---	---	---	9.5	7.5	8.0	3.5	2.0	2.5	---	---	---
19	---	---	---	8.5	6.5	7.5	3.5	2.5	3.0	---	---	---
20	---	---	---	8.0	6.5	7.0	4.0	3.0	3.5	---	---	---
21	---	---	---	8.5	7.0	7.5	4.5	3.5	4.0	---	---	---
22	---	---	---	8.0	6.0	7.5	5.0	3.5	4.0	---	---	---
23	---	---	---	7.5	5.5	6.5	5.0	3.5	4.5	---	---	---
24	---	---	---	7.0	3.5	5.0	5.0	3.5	4.0	---	---	---
25	12.0	10.0	11.0	5.0	3.5	4.5	3.5	3.0	3.0	---	---	---
26	12.0	10.0	11.0	4.5	3.0	3.5	3.5	2.5	3.0	---	---	---
27	12.5	10.5	11.0	4.0	2.5	3.0	4.0	2.5	3.0	---	---	---
28	13.5	11.0	12.0	4.5	2.5	3.5	4.0	3.0	3.5	---	---	---
29	14.0	10.5	12.0	5.5	3.5	4.0	5.5	4.0	5.0	---	---	---
30	13.0	10.5	12.0	5.0	3.0	4.0	6.5	5.5	6.0	---	---	---
31	13.0	10.0	11.0	---	---	---	7.0	6.0	6.5	---	---	---
MONTH	---	---	---	12.5	2.5	7.7	7.0	1.5	3.8	---	---	---

10351600 TRUCKEE RIVER BELOW DERBY DAM, NEAR WADSWORTH, NV--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	8.0	4.5	6.0	14.5	10.5	12.5	9.5	7.5	8.5
2	---	---	---	7.5	4.0	5.5	14.0	11.0	12.5	12.5	9.0	10.5
3	---	---	---	7.5	3.5	5.5	14.5	11.0	12.5	14.0	11.0	12.5
4	---	---	---	8.5	4.5	6.5	14.0	11.5	13.0	15.5	12.0	13.5
5	---	---	---	10.0	5.5	7.5	13.0	11.0	12.0	15.0	12.5	13.5
6	---	---	---	10.0	7.5	8.5	12.0	10.0	11.0	15.0	12.5	13.5
7	---	---	---	9.5	7.0	8.0	12.5	10.0	11.5	14.5	12.0	13.0
8	---	---	---	8.0	5.0	6.5	13.5	11.0	12.0	12.5	10.5	11.5
9	---	---	---	7.5	4.5	6.0	12.5	10.0	11.5	13.5	10.5	12.0
10	---	---	---	7.5	5.0	6.0	11.5	9.5	10.5	12.5	11.0	11.5
11	---	---	---	9.5	6.0	7.5	12.5	10.5	11.5	13.0	9.5	11.5
12	---	---	---	10.0	7.5	8.5	13.0	10.5	11.5	14.5	11.5	13.0
13	6.0	5.0	5.5	9.0	6.0	7.5	13.0	11.0	12.0	16.0	12.5	14.0
14	8.0	5.0	6.0	8.5	5.0	6.5	14.0	11.5	12.5	16.0	13.0	14.5
15	7.5	5.0	6.0	8.5	5.0	6.5	12.5	8.0	10.0	16.0	13.5	14.5
16	8.0	5.5	6.5	6.5	3.5	5.0	8.0	6.5	7.0	16.0	13.5	14.5
17	8.0	6.0	7.0	5.5	3.5	4.0	8.0	6.5	7.0	17.0	14.0	15.5
18	9.0	6.0	7.0	8.0	3.0	5.0	7.0	6.0	6.5	15.5	13.5	15.0
19	8.0	6.5	7.0	10.0	4.5	7.0	8.0	5.5	6.5	15.0	12.0	13.5
20	10.5	6.5	8.0	11.0	6.5	8.5	10.0	7.0	8.5	12.5	11.0	12.0
21	10.0	8.0	9.0	12.0	8.0	10.0	12.0	8.5	10.0	12.0	9.5	10.5
22	10.0	8.0	9.0	12.5	9.0	10.5	13.5	10.0	11.5	13.5	10.0	11.5
23	9.5	7.0	8.5	12.0	9.0	10.5	14.0	11.0	12.5	14.5	11.5	13.0
24	9.5	6.5	8.0	11.5	8.5	10.0	13.0	11.0	12.0	16.0	12.5	14.0
25	9.0	6.5	7.5	11.5	8.0	9.5	14.0	11.0	12.5	17.0	14.0	15.5
26	9.0	6.0	7.5	12.5	8.5	10.5	13.0	10.5	12.0	17.0	14.5	15.5
27	9.5	6.0	7.5	13.5	8.5	11.0	12.0	10.0	10.5	16.5	14.0	15.5
28	9.5	5.5	7.0	14.5	9.5	12.0	11.0	9.5	10.0	17.0	13.5	15.5
29	---	---	---	14.5	10.5	12.5	10.5	9.5	10.0	19.0	15.5	17.0
30	---	---	---	15.0	10.5	12.5	10.5	8.0	9.5	19.5	17.0	18.0
31	---	---	---	14.5	10.5	12.5	---	---	---	19.0	17.0	18.0
MONTH	---	---	---	15.0	3.0	8.2	14.5	5.5	10.8	19.5	7.5	13.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.5	14.5	16.5	26.0	21.0	23.5	25.0	21.5	23.0	24.5	20.0	22.0
2	15.5	13.0	14.0	26.5	21.5	23.5	24.5	21.5	22.5	25.0	20.5	22.5
3	17.0	13.5	15.0	25.5	21.0	23.0	24.0	20.5	22.0	23.0	20.0	21.5
4	18.0	15.0	16.5	24.5	20.5	22.0	23.5	20.0	21.5	20.5	19.5	20.0
5	19.0	16.0	17.5	24.5	20.5	22.5	22.5	20.0	21.0	21.0	18.5	19.5
6	19.5	16.5	18.0	24.5	20.5	22.0	23.5	18.5	20.5	19.0	16.5	18.0
7	19.0	16.5	17.5	24.0	20.5	22.0	23.0	18.0	20.5	19.5	15.0	17.0
8	17.5	15.0	16.5	24.5	20.5	22.0	23.5	18.0	20.5	19.5	15.5	17.5
9	16.0	14.0	15.0	25.0	21.5	23.0	24.0	18.5	21.0	19.5	15.5	17.5
10	17.0	13.5	15.0	26.0	21.5	24.0	25.0	19.0	22.0	20.0	16.0	17.5
11	18.0	14.5	16.0	27.0	23.0	24.5	26.0	20.0	23.0	20.5	16.5	18.5
12	20.0	15.5	17.5	26.5	23.5	24.5	26.5	21.0	23.5	21.0	17.0	19.0
13	21.5	17.5	19.5	25.5	22.5	23.5	26.5	21.5	24.0	21.0	17.5	19.0
14	22.5	18.0	20.0	25.5	21.5	23.5	27.5	21.5	24.5	21.5	18.0	19.5
15	22.0	18.0	20.0	25.5	22.5	24.0	27.0	21.5	24.0	20.0	18.0	19.0
16	21.5	17.5	19.5	26.5	22.5	24.0	26.5	21.0	23.5	19.5	16.5	18.0
17	22.0	18.0	19.5	24.5	22.0	23.0	25.0	20.0	22.5	19.0	16.0	17.5
18	22.0	18.5	20.0	22.5	20.0	21.5	25.5	19.5	22.0	19.0	16.0	17.5
19	22.0	18.5	20.0	23.0	19.0	21.0	24.0	18.5	21.0	19.0	16.0	17.5
20	23.0	19.0	20.5	24.5	20.5	22.5	22.0	17.5	19.5	20.0	16.0	18.0
21	24.0	18.5	21.0	25.5	22.5	23.5	22.0	17.0	19.5	20.0	17.0	18.0
22	24.0	19.0	21.5	25.5	21.5	23.0	23.0	17.5	20.0	20.5	17.0	18.5
23	24.5	20.0	22.0	25.0	20.5	22.5	22.5	17.0	20.0	20.5	17.0	18.5
24	25.0	20.0	22.5	24.0	21.0	22.5	23.5	18.0	20.5	20.5	17.5	18.5
25	25.0	20.5	22.5	24.0	20.0	22.0	23.0	17.5	20.5	19.5	16.5	18.0
26	25.5	21.0	23.0	24.0	19.5	21.5	22.5	18.0	20.0	18.5	15.5	17.0
27	24.5	20.0	22.0	24.5	21.0	22.5	23.0	18.5	20.5	18.5	16.0	17.0
28	25.0	20.0	22.0	25.0	21.0	22.5	23.5	18.5	21.0	18.0	15.0	16.5
29	25.0	20.0	22.5	26.0	21.5	23.5	24.0	19.0	21.5	17.5	14.5	15.5
30	25.5	20.5	23.0	25.5	22.5	23.5	23.5	19.0	21.5	17.0	14.5	15.5
31	---	---	---	26.0	22.0	23.5	24.0	19.5	21.5	---	---	---
MONTH	25.5	13.0	19.2	27.0	19.0	22.9	27.5	17.0	21.6	25.0	14.5	18.3

PYRAMID AND WINNEMUCCA LAKES BASIN

10351650 TRUCKEE RIVER AT WADSWORTH, NV

LOCATION.--Lat 39°37'56", long 119°16'56", in SW $^1/_4$ NW $^1/_4$ sec.3, T.20 N., R.24 E., Washoe County, Hydrologic Unit 16050102, in Pyramid Lake Indian Reservation, on left bank, 10 ft upstream from bridge on Nevada Highway 427, 0.2 mi southeast of Wadsworth and at mi 23.69 upstream from Marble Bluff Dam.

DRAINAGE AREA.--1,728 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1965 to September 1986, September 1993 to current year.

REVISED RECORDS.--WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,070 ft above NGVD of 1929, from topographic map. Prior to September 1986 at site 0.5 mi downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lake Tahoe (station 10337000), Martis Creek Lake (station 10339380), Prosser Creek (station 10340300), Stampede (station 10344300) and Boca (station 10344490) Reservoirs, Donner (station 10338400) and Independence (station 10342900) Lakes, several powerplants, many diversions for irrigation, and by Derby Dam. Truckee Canal diverts water at Derby Dam out of basin to Lahontan Reservoir into the Carson River Basin. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,100 ft^3/s, January 3, 1997, gage height, 19.64 ft; minimum daily, 0.46 ft^3/s, October 11, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,470 ft^3/s, April 15, gage height 6.98 ft; minimum daily, 37 ft^3/s, December 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	209	56	37	76	336	51	87	505	723	66	200	182
2	147	55	38	215	369	49	83	488	649	79	213	183
3	124	55	307	341	353	48	100	522	567	88	229	183
4	89	53	64	400	348	47	144	556	458	107	212	189
5	96	52	42	369	328	47	229	615	402	113	192	183
6	96	51	40	353	329	47	281	636	371	129	153	195
7	97	48	45	430	300	84	221	651	299	124	128	202
8	96	49	46	527	178	107	193	630	264	139	79	216
9	97	49	45	435	69	59	268	563	250	141	109	204
10	99	49	43	388	51	53	342	558	234	135	103	228
11	101	49	41	331	50	52	330	586	217	128	94	229
12	98	50	42	336	50	50	399	515	200	124	107	240
13	100	49	44	318	47	47	423	519	189	121	104	252
14	90	48	44	315	48	48	440	544	180	85	81	242
15	89	47	45	329	48	47	636	535	149	92	75	241
16	86	46	45	312	48	45	528	540	149	111	77	234
17	77	46	44	320	48	44	339	530	144	105	62	202
18	79	45	45	342	48	43	265	498	164	106	80	249
19	81	45	45	341	47	43	332	518	225	110	106	257
20	81	44	44	313	47	41	293	472	261	109	79	222
21	81	44	45	330	55	41	322	443	138	107	90	213
22	81	41	45	334	66	41	302	370	154	105	85	237
23	80	42	47	326	56	41	334	371	175	108	99	273
24	81	43	46	319	73	43	378	379	179	106	94	266
25	81	74	46	334	67	44	426	373	219	105	77	255
26	81	66	46	352	57	44	474	376	208	108	67	238
27	80	44	46	353	53	43	551	370	198	113	62	221
28	63	41	46	338	52	43	466	378	189	102	75	293
29	56	38	47	319	---	44	582	420	119	83	89	356
30	56	38	49	309	---	47	622	568	77	78	106	358
31	55	---	48	296	---	53	---	778	---	123	151	---
TOTAL	2827	1457	1657	10401	3621	1536	10390	15807	7751	3350	3478	7043
MEAN	91.19	48.57	53.45	335.5	129.3	49.55	346.3	509.9	258.4	108.1	112.2	234.8
MAX	209	74	307	527	369	107	636	778	723	141	229	358
MIN	55	38	37	76	47	41	83	370	77	66	62	182
AC-FT	5610	2890	3290	20630	7180	3050	20610	31350	15370	6640	6900	13970

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2002, BY WATER YEAR (WY)

MEAN	230.2	385.1	598.0	924.1	999.5	1139	1129	1601	1211	458.5	213.2	234.1
MAX	905	2786	3965	7378	3837	4979	3595	4164	5882	2776	857	1218
(WY)	1983	1984	1984	1997	1997	1986	1969	1982	1983	1983	1983	1983
MIN	1.72	17.6	9.57	9.01	9.42	26.3	34.5	45.7	26.9	22.3	16.8	6.80
(WY)	1995	1994	1995	1994	1994	1979	1979	1977	1966	1966	1994	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1965 - 2002	
ANNUAL TOTAL	34253		69318			
ANNUAL MEAN	93.84		189.9		763.4	
HIGHEST ANNUAL MEAN					2677	1983
LOWEST ANNUAL MEAN					55.3	1977
HIGHEST DAILY MEAN	307	Dec 3	778	May 31	17500	Jan 3 1997
LOWEST DAILY MEAN	25	Apr 28	37	Dec 1	0.46	Oct 11 1994
ANNUAL SEVEN-DAY MINIMUM	29	Apr 27	42	Mar 18	0.62	Oct 10 1994
MAXIMUM PEAK FLOW			1470	Apr 15	19100	Jan 3 1997
MAXIMUM PEAK STAGE			6.98	Apr 15	19.64	Jan 3 1997
INSTANTANEOUS LOW FLOW			35	Dec 1		
ANNUAL RUNOFF (AC-FT)	67940		137500		553000	
10 PERCENT EXCEEDS	139		437		2290	
50 PERCENT EXCEEDS	95		108		333	
90 PERCENT EXCEEDS	40		45		27	

PYRAMID AND WINNEMUCCA LAKES BASIN

10351700 TRUCKEE RIVER NEAR NIXON, NV

LOCATION.--Lat 39°46'40", long 119°20'10", in SW $^1/_4$ NW $^1/_4$ sec.18, T.22 N., R.24 E., Washoe County, Hydrologic Unit 16050103, in Pyramid Lake Indian Reservation, on right bank, 1.0 mi upstream from Numana Dam, 4 mi south of Nixon, and at mi 9.42 upstream from Marble Bluff Dam.

DRAINAGE AREA.--1,827 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to current year. Records kept by Federal Court Watermaster April to June 1926, May 1928 to September 1957 at site 1.0 mi downstream (Truckee River below Pyramid Dam, near Nixon, Nev.) not equivalent, but would be equivalent by adding flow of Indian Canal, both of which are available in files of Federal Court Watermaster. Currently, these records are kept only at times of diversion to the canal. At other times, the records are equivalent.

REVISED RECORDS.--WDR NV-83-1: 1980 (monthly runoff).

GAGE.--Water-stage recorder. Elevation of gage is 3,940 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Lake Tahoe (station 10337000), Prosser Creek (station 10340300), Stampede (station 10344300) and Boca (station 10344490) Reservoirs, other lakes, powerplants, and many diversions for irrigation. Truckee Canal often diverts much of the flow at Derby Dam, about 25 mi upstream, out of basin to Lahontan Reservoir (station 10312100). Several diversions for irrigation between station and Truckee Canal. One irrigation canal diverts between station and mouth of river. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,200 ft^3/s, January 3, 1997, gage height, 15.28 ft; minimum daily, 3.3 ft^3/s, July 9, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,030 ft^3/s, June 1, gage height, 5.13 ft; minimum daily, 49 ft^3/s, December 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	231	60	49	58	339	66	96	536	810	72	175	186
2	163	61	51	157	369	66	97	471	723	72	199	192
3	146	61	205	284	361	64	107	511	605	75	247	194
4	113	61	117	376	356	63	133	542	515	88	247	198
5	103	60	62	361	346	63	203	601	411	88	210	192
6	104	58	53	352	338	62	314	636	397	120	179	203
7	103	52	53	356	338	67	271	651	324	117	141	206
8	103	51	55	471	251	136	220	645	270	122	99	233
9	102	53	55	417	144	94	223	583	256	121	95	213
10	106	57	55	390	e104	74	389	570	240	111	117	257
11	107	57	53	351	e84	72	335	606	218	110	101	269
12	103	59	51	354	78	75	433	523	202	116	108	267
13	104	59	52	345	72	68	431	527	195	114	103	275
14	98	59	53	333	68	67	464	544	194	96	94	269
15	88	60	54	350	66	66	610	552	168	88	78	254
16	85	57	54	336	66	66	633	536	164	105	83	262
17	79	57	54	329	65	63	391	553	153	103	69	222
18	77	56	53	364	65	62	275	515	174	103	72	239
19	79	57	55	349	65	61	329	513	192	105	89	263
20	80	58	54	344	66	61	286	515	273	109	90	239
21	77	58	54	338	64	61	308	476	181	105	78	213
22	75	57	54	346	82	61	294	390	124	105	84	243
23	73	54	57	342	72	61	306	372	161	102	80	279
24	74	61	56	337	77	62	359	381	154	100	95	302
25	75	60	55	341	89	64	420	378	172	101	77	269
26	76	94	54	359	77	64	438	369	187	103	75	278
27	77	60	53	358	71	63	593	374	167	109	63	241
28	73	55	54	353	67	63	461	360	184	103	79	295
29	61	52	57	343	---	63	534	411	140	84	84	370
30	59	51	58	e320	---	64	672	508	88	86	96	373
31	60	---	61	e300	---	69	---	758	---	91	131	---
TOTAL	2954	1755	1901	10414	4240	2111	10625	15907	8042	3124	3538	7496
MEAN	95.29	58.50	61.32	335.9	151.4	68.10	354.2	513.1	268.1	100.8	114.1	249.9
MAX	231	94	205	471	369	136	672	758	810	122	247	373
MIN	59	51	49	58	64	61	96	360	88	72	63	186
AC-FT	5860	3480	3770	20660	8410	4190	21070	31550	15950	6200	7020	14870

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2002, BY WATER YEAR (WY)

MEAN	185.3	274.1	449.4	650.5	753.6	791.4	852.4	1280	920.3	337.3	166.1	181.6
MAX	917	2659	3905	7378	3887	4764	3392	4289	5398	2786	816	1172
(WY)	1983	1984	1984	1997	1997	1986	1969	1958	1983	1983	1983	1983
MIN	15.2	18.0	17.5	18.5	20.5	22.4	19.8	21.9	14.8	15.2	16.4	16.3
(WY)	1995	1993	1993	1962	1994	1961	1961	1992	1960	1992	1962	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1958 - 2002	
ANNUAL TOTAL	36383		72107			
ANNUAL MEAN	99.68		197.6		568.9	
HIGHEST ANNUAL MEAN					2609	1983
LOWEST ANNUAL MEAN					24.1	1992
HIGHEST DAILY MEAN	257	Sep 29	810	Jun 1	19300	Jan 3 1997
LOWEST DAILY MEAN	33	Apr 28	49	Dec 1	3.3	Jul 9 1991
ANNUAL SEVEN-DAY MINIMUM	36	Apr 26	53	Dec 11	6.2	Jul 13 1992
MAXIMUM PEAK FLOW			1030	Jun 1	21200	Jan 3 1997
MAXIMUM PEAK STAGE			5.13	Jun 1	15.28	Jan 3 1997
INSTANTANEOUS LOW FLOW					3.3	Jul 9 1991
ANNUAL RUNOFF (AC-FT)	72170		143000		412200	
10 PERCENT EXCEEDS	143		435		1760	
50 PERCENT EXCEEDS	98		108		117	
90 PERCENT EXCEEDS	51		57		24	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1980 to September 1983; August 1993 to current year.
WATER TEMPERATURE: May 1980 to September 1983, July 1988 to current year.

INSTRUMENTATION.--Specific conductance recorder, August 1993 to current year, four times per hour. Water temperature recorder, July 1988 to August 1992, hourly; September 1992 to current year, four times per hour.

REMARKS.--Records represent water temperature at probe within 0.5°C. Interruptions in the record were due to instrument malfunctions.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,350 microsiemens, October 31, November 1, 1994; minimum daily, 74 microsiemens, April 12, 1983.
WATER TEMPERATURE: Maximum daily, 30.0°C, July 10, 1991; minimum daily, freezing point on many days during winter months of most years.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 687 microsiemens, December 3, minimum recorded, 147 microsiemens, April 16 and June 1-2.
WATER TEMPERATURE: Maximum recorded, 29.0°C, July 11; minimum, freezing point several days during winter months.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG.C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	305	290	298	496	481	487	615	576	592	---	---	---
2	331	305	321	494	486	490	641	589	609	---	---	---
3	339	329	335	495	487	491	687	335	517	---	---	---
4	379	336	357	494	484	488	493	344	401	---	---	---
5	391	368	380	499	490	493	---	---	---	---	---	---
6	372	361	367	498	490	495	---	---	---	---	---	---
7	369	362	365	523	494	508	---	---	---	---	---	---
8	369	362	365	523	515	519	---	---	---	---	---	---
9	370	362	366	521	511	515	---	---	---	---	---	---
10	368	357	363	517	503	510	---	---	---	---	---	---
11	368	359	363	514	505	510	---	---	---	---	---	---
12	368	358	363	517	510	513	---	---	---	337	328	331
13	368	359	362	518	505	510	---	---	---	342	335	338
14	379	357	366	513	507	510	---	---	---	345	336	341
15	397	371	387	516	507	512	---	---	---	348	340	343
16	414	393	401	518	509	514	---	---	---	351	340	345
17	440	410	424	525	515	520	---	---	---	348	341	345
18	450	435	443	527	518	523	---	---	---	347	333	340
19	442	428	434	531	521	525	---	---	---	349	326	338
20	430	409	418	530	523	527	---	---	---	349	334	342
21	416	406	411	535	527	531	---	---	---	350	330	341
22	416	402	409	536	526	530	---	---	---	354	337	348
23	416	405	410	538	527	532	---	---	---	349	341	345
24	417	405	409	544	528	535	---	---	---	351	338	345
25	414	405	410	539	529	534	---	---	---	350	337	343
26	417	408	413	539	445	522	---	---	---	352	342	346
27	417	412	414	484	445	462	---	---	---	348	333	342
28	421	415	418	543	478	512	---	---	---	348	339	344
29	460	417	433	569	539	554	---	---	---	352	339	346
30	484	439	466	603	565	579	---	---	---	365	342	354
31	489	466	480	---	---	---	---	---	---	376	345	359
MONTH	489	290	392	603	445	515	---	---	---	---	---	---

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG.C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	409	376	393	505	487	496	507	407	475	181	171	173
2	381	357	370	503	489	497	419	383	399	185	174	181
3	367	345	355	512	500	505	407	364	391	186	177	182
4	359	345	351	516	502	511	364	308	349	193	179	185
5	361	350	354	521	507	514	308	250	272	182	170	176
6	361	344	352	523	514	518	255	209	221	174	167	170
7	358	349	354	523	503	515	227	214	217	168	160	163
8	384	356	375	504	355	400	260	225	241	173	157	162
9	486	380	433	427	358	387	282	224	251	177	166	171
10	540	486	513	465	427	453	244	196	206	181	170	175
11	542	518	532	474	458	465	205	199	202	181	166	173
12	567	541	555	475	438	460	203	183	187	188	177	183
13	569	545	555	489	459	482	186	176	182	186	180	183
14	553	545	549	500	488	495	178	170	173	184	174	178
15	556	547	551	500	493	496	194	154	170	178	170	172
16	552	544	548	503	494	498	167	147	153	175	166	170
17	549	538	544	519	502	510	198	166	176	174	162	166
18	541	531	536	522	507	516	224	198	213	173	158	165
19	537	531	533	539	520	528	235	185	210	167	155	162
20	533	523	529	543	532	538	233	204	220	167	148	159
21	555	530	549	552	541	547	229	213	220	171	161	165
22	557	490	526	554	548	552	223	214	219	193	171	181
23	505	485	495	561	550	555	223	209	218	199	190	195
24	506	478	498	553	545	550	220	200	205	205	194	199
25	478	429	442	550	536	542	201	181	189	201	196	198
26	471	437	452	540	532	536	193	173	185	202	192	197
27	488	470	477	541	534	537	177	153	164	194	190	192
28	499	485	491	540	507	531	181	173	177	197	191	194
29	---	---	---	535	506	524	174	161	167	195	183	191
30	---	---	---	535	500	522	174	149	160	199	174	189
31	---	---	---	520	498	510	---	---	---	187	165	173
MONTH	569	344	472	561	355	506	507	147	227	205	148	178

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	166	147	158	474	444	457	381	304	338	418	341	374
2	158	147	154	488	471	479	308	295	302	374	319	344
3	181	156	168	481	472	475	308	289	294	373	312	339
4	197	175	183	485	448	469	316	292	303	375	303	334
5	209	197	204	451	423	435	330	315	325	368	302	330
6	210	182	201	427	366	396	345	328	338	358	313	335
7	213	180	193	367	354	360	374	340	358	364	320	338
8	223	198	208	365	340	356	436	357	387	340	297	312
9	227	210	216	341	335	338	445	403	431	313	300	304
10	226	213	218	345	335	341	404	386	391	332	303	313
11	236	220	226	348	338	344	426	395	415	328	316	324
12	262	229	243	344	333	339	426	411	420	317	300	309
13	275	249	259	342	327	336	415	407	411	302	294	298
14	284	263	269	362	332	343	428	407	416	299	293	296
15	299	266	282	383	362	377	469	426	448	300	293	296
16	301	284	290	388	353	372	470	447	457	298	285	291
17	306	287	297	370	353	363	479	442	455	311	287	300
18	311	295	302	368	359	364	508	478	500	311	297	305
19	315	289	300	378	348	359	501	456	479	299	293	296
20	290	247	260	380	351	358	458	435	445	308	295	299
21	311	256	280	363	345	354	475	450	464	321	307	315
22	377	309	345	368	345	353	466	443	453	307	298	303
23	344	313	324	358	347	354	464	445	456	305	284	291
24	348	323	329	374	350	356	478	415	440	296	288	291
25	357	315	326	365	351	360	517	396	446	311	296	304
26	328	309	317	357	348	354	494	432	467	323	290	301
27	339	319	326	359	348	355	503	438	473	326	318	322
28	331	318	322	363	353	358	523	459	488	323	305	313
29	347	316	328	389	353	375	498	428	462	306	289	295
30	445	347	394	403	381	391	479	410	444	297	289	292
31	---	---	---	403	377	392	476	404	445	---	---	---
MONTH	445	147	264	488	327	376	523	289	418	418	284	312

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.0	15.5	17.5	13.5	9.0	11.5	7.0	4.0	5.0	6.5	5.5	6.0
2	19.5	16.0	18.0	12.5	9.0	10.5	6.0	4.5	5.5	6.5	5.0	6.0
3	19.5	16.5	18.0	12.5	8.0	10.5	6.0	3.5	4.5	7.5	5.5	6.5
4	20.0	16.5	18.5	12.0	7.5	10.0	5.0	3.0	4.0	6.0	4.5	5.5
5	19.5	16.5	18.0	13.0	9.0	11.0	4.5	3.5	4.0	5.5	4.5	5.0
6	19.0	16.0	17.5	12.5	8.5	10.5	6.0	4.0	5.0	5.0	4.5	5.0
7	19.0	15.0	17.0	12.0	8.5	10.0	7.0	4.0	5.0	5.5	4.0	5.0
8	18.0	15.5	16.5	11.0	6.0	8.5	5.0	3.5	4.0	6.0	4.0	5.0
9	16.0	12.5	14.5	10.0	5.5	7.5	4.0	2.5	3.5	6.5	5.0	5.5
10	14.5	10.5	13.0	9.5	5.5	7.5	3.0	2.0	2.5	6.5	4.5	5.5
11	15.0	13.0	13.5	11.0	7.0	9.0	4.0	1.5	2.5	6.0	4.0	5.0
12	14.5	10.5	13.0	10.5	7.5	9.0	5.5	2.5	4.0	6.5	4.5	5.5
13	15.0	11.0	13.0	11.5	8.0	9.5	5.0	4.0	4.5	6.0	4.0	5.0
14	15.5	11.0	13.5	11.5	9.0	10.0	5.0	2.0	3.5	5.0	3.0	4.0
15	14.5	11.0	13.0	11.0	8.0	9.5	3.5	1.0	2.0	4.0	2.5	3.0
16	14.5	11.5	13.0	11.0	9.0	10.0	2.0	1.5	2.0	3.5	1.0	2.0
17	16.0	13.0	14.0	11.0	8.5	9.5	3.5	1.5	2.0	3.0	1.0	2.0
18	15.5	12.0	14.0	10.0	7.0	8.0	4.5	1.5	3.0	2.5	0.5	1.5
19	14.5	11.0	13.5	8.0	6.0	7.0	4.5	2.5	3.5	1.5	0.0	1.0
20	15.5	12.5	14.0	7.5	6.0	6.5	4.5	2.5	3.5	2.0	0.0	1.0
21	15.5	11.5	13.5	8.0	6.5	7.0	5.5	3.5	4.0	4.0	1.0	2.5
22	15.0	12.0	13.5	9.5	7.0	8.0	4.5	2.5	3.5	3.0	1.0	2.0
23	14.5	12.0	13.0	9.0	5.5	7.0	6.0	3.0	4.5	2.5	0.0	1.5
24	13.0	9.5	11.5	6.5	4.5	5.5	4.5	3.0	4.0	2.5	0.0	1.5
25	13.0	8.5	11.0	7.5	3.5	5.0	3.0	1.5	2.5	2.0	0.5	1.5
26	13.5	9.0	11.0	6.5	3.5	5.0	3.5	2.0	2.5	4.5	1.5	3.0
27	11.5	9.5	10.5	7.0	3.0	4.5	4.0	2.5	3.5	3.0	1.5	2.5
28	13.5	10.5	12.0	3.5	2.0	3.0	3.5	2.5	3.0	2.0	0.5	1.5
29	14.0	10.5	12.0	6.0	3.0	4.0	5.0	3.5	4.5	2.5	0.5	1.5
30	15.0	12.0	13.0	7.5	3.5	4.5	5.5	5.0	5.5	1.5	0.0	0.5
31	14.5	10.5	12.0	---	---	---	8.0	5.5	6.5	1.5	0.0	0.5
MONTH	20.0	8.5	14.1	13.5	2.0	8.0	8.0	1.0	3.8	7.5	0.0	3.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.0	0.0	1.5	7.5	3.5	5.5	16.5	12.0	14.5	12.5	9.0	11.0
2	4.0	0.5	2.5	7.5	3.0	5.5	18.0	12.5	15.5	15.0	8.5	11.5
3	4.0	0.5	2.5	7.5	3.0	5.5	18.0	13.0	16.0	16.5	11.0	13.5
4	4.0	1.0	2.5	8.5	4.0	6.5	18.5	14.0	16.5	17.5	12.5	15.0
5	4.5	1.0	3.0	9.5	6.0	8.0	17.0	14.5	16.0	18.0	13.5	15.5
6	5.0	1.0	3.0	11.0	8.0	9.5	15.5	11.5	13.5	18.0	13.5	15.5
7	5.0	2.5	4.0	10.5	5.5	8.5	16.0	11.0	13.5	16.0	13.5	14.5
8	5.5	3.0	4.5	8.0	3.5	6.0	17.0	11.5	14.5	16.0	11.0	13.5
9	5.0	2.0	3.5	8.5	5.0	7.0	16.0	13.0	14.5	16.0	11.0	13.5
10	5.5	1.5	3.5	9.0	6.5	7.5	15.0	11.5	13.0	14.0	11.5	12.5
11	6.0	2.0	4.5	10.0	6.0	8.0	16.0	11.5	14.0	16.0	10.5	13.0
12	7.5	4.0	6.0	11.5	9.0	10.0	16.5	12.0	14.5	17.5	11.5	14.0
13	6.0	5.0	5.0	9.5	7.0	8.0	16.5	12.0	14.5	18.5	13.5	16.0
14	8.0	3.5	6.0	9.0	6.0	7.0	17.5	13.5	15.5	18.5	14.0	16.0
15	6.5	4.0	5.5	7.5	4.5	6.0	15.0	9.5	11.5	18.0	14.0	16.0
16	7.5	5.0	6.0	7.0	4.5	5.5	10.5	8.0	9.0	19.5	14.0	16.5
17	8.0	6.0	7.0	7.0	4.0	5.0	9.0	6.5	8.0	20.0	15.0	17.5
18	8.0	5.5	7.0	8.0	2.5	5.0	8.5	7.0	8.0	18.5	16.0	17.0
19	8.5	6.5	7.5	10.5	4.5	7.5	10.5	6.5	8.0	18.0	14.5	16.0
20	10.5	7.5	9.0	12.0	7.0	9.5	12.5	7.0	9.5	15.0	12.0	13.5
21	11.0	7.5	9.5	12.0	8.5	10.0	14.5	9.0	12.0	14.5	10.5	12.5
22	10.5	8.0	9.5	13.0	9.0	11.0	16.5	10.5	13.5	16.0	10.0	13.0
23	10.0	7.5	8.5	12.0	10.0	11.0	17.0	11.5	14.5	17.5	11.5	14.5
24	10.5	6.5	8.5	13.0	9.0	10.5	16.5	12.0	14.5	18.5	12.5	15.5
25	10.5	6.0	8.5	13.0	8.5	11.0	17.0	12.0	14.5	20.0	14.0	17.0
26	9.5	5.5	8.0	14.5	10.0	12.0	15.0	12.5	13.5	20.0	15.0	17.5
27	9.5	6.0	8.0	15.0	10.5	13.0	14.5	11.0	12.5	19.5	15.0	17.5
28	8.5	6.0	7.0	15.0	10.5	12.5	15.0	10.0	12.0	20.5	15.0	18.0
29	---	---	---	16.5	11.0	13.5	12.5	10.5	11.5	22.0	16.5	19.0
30	---	---	---	16.5	11.5	14.0	12.5	9.0	11.0	23.5	18.5	20.5
31	---	---	---	16.5	11.0	14.0	---	---	---	22.5	18.5	20.5
MONTH	11.0	0.0	5.8	16.5	2.5	8.8	18.5	6.5	13.0	23.5	8.5	15.4

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.0	17.5	19.0	26.5	21.0	23.5	25.5	23.0	24.0	24.0	20.5	22.0
2	19.5	15.0	17.0	27.0	21.0	24.0	25.0	21.5	23.0	24.5	20.0	22.5
3	19.5	14.5	17.0	27.0	21.5	24.0	25.0	21.0	23.0	23.5	20.5	22.0
4	20.5	15.5	18.0	26.0	20.5	23.0	24.5	19.5	22.5	21.5	19.5	20.5
5	23.5	17.5	20.0	26.0	21.0	23.0	23.5	19.5	21.5	21.0	18.0	19.5
6	23.5	18.0	20.5	25.5	21.5	23.5	23.0	18.0	20.5	20.0	17.0	18.5
7	23.0	18.0	20.5	26.5	21.5	24.0	21.5	18.0	20.0	18.5	14.0	16.5
8	20.5	15.0	17.0	25.0	21.5	23.5	23.5	17.5	20.5	19.0	14.5	17.0
9	18.5	12.5	15.5	26.5	21.0	24.0	24.5	18.5	21.5	20.0	15.0	18.0
10	20.5	14.0	17.0	28.0	23.0	25.5	25.0	19.0	22.0	20.5	15.5	18.0
11	22.0	15.0	18.5	29.0	23.5	26.5	25.5	21.0	23.5	20.5	16.0	18.5
12	23.5	16.0	20.0	28.5	25.0	26.5	26.0	21.5	23.5	20.5	16.5	19.0
13	24.0	18.5	21.5	27.5	23.5	25.0	27.0	21.5	24.0	21.5	16.5	19.5
14	24.0	18.5	21.5	28.0	22.0	25.0	26.5	22.0	24.0	21.5	17.0	19.5
15	24.0	19.5	22.0	28.5	23.5	25.5	27.0	21.5	24.0	20.5	18.0	19.5
16	24.0	20.0	22.0	28.0	22.5	25.0	27.0	22.0	24.5	19.5	16.0	18.0
17	24.0	19.5	22.0	25.0	22.5	23.5	26.5	21.5	23.5	19.5	16.5	18.0
18	24.0	20.5	22.5	25.0	20.5	23.0	25.0	20.5	22.5	19.5	16.0	17.5
19	24.0	18.5	21.0	26.5	21.0	23.5	25.0	19.5	22.0	19.5	15.0	17.5
20	24.0	19.0	21.5	28.0	21.5	24.5	23.5	19.0	21.0	20.0	15.0	18.0
21	23.5	19.0	21.5	27.0	23.0	25.0	23.0	17.0	20.0	20.5	16.0	18.5
22	24.5	19.5	22.0	28.0	23.0	25.0	23.0	18.0	20.5	20.5	16.0	18.5
23	25.5	21.0	23.0	26.5	21.5	24.0	23.0	18.0	20.5	20.5	16.0	19.0
24	25.0	21.0	23.0	26.5	21.5	24.0	23.5	18.5	21.0	20.0	16.5	18.5
25	25.5	21.5	23.5	25.5	21.0	23.5	23.0	18.5	20.5	19.5	16.0	18.0
26	25.5	21.5	23.5	25.0	20.5	22.5	23.0	18.0	20.0	18.5	14.0	16.5
27	25.5	21.5	23.5	25.0	21.0	23.0	24.0	17.5	20.5	18.0	16.0	17.0
28	25.0	21.5	23.5	25.0	20.5	22.5	23.0	18.0	20.5	18.0	14.0	16.5
29	25.5	21.0	23.5	26.5	21.0	23.5	24.0	19.5	21.5	17.5	14.0	16.0
30	27.0	21.5	24.0	26.5	23.0	24.5	24.0	20.0	22.0	17.0	13.5	15.0
31	---	---	---	27.0	22.0	24.5	24.5	20.0	22.0	---	---	---
MONTH	27.0	12.5	20.8	29.0	20.5	24.1	27.0	17.0	21.9	24.5	13.5	18.4

BLACK ROCK DESERT

10352500 MCDERMITT CREEK NEAR MCDERMITT, NV

LOCATION.--Lat 41°58'00", long 117°50'01", in SE $^1/_4$ SE $^1/_4$ sec.8, T.47 N., R.37 E., Humboldt County, Hydrologic Unit 16040201, on left bank, approximately 100 feet upstream from highway bridge on Cordero Mine Road, and 6.5 mi southwest of McDermitt.

DRAINAGE AREA.--225 mi^2.

PERIOD OF RECORD.--October 1948 to September 1984, March 1985 to current year.

REVISED RECORDS.--WSP 1214: 1949-50 (P).

GAGE.--Water-stage recorder. Elevation of gage is 4,545 ft above NGVD of 1929, from topographic map. October 1948 to May 11, 1972, at site approximately 500 ft upstream from highway bridge, on left bank. May 11, 1972, to April 1983, at site approximately 800 ft upstream from highway bridge, on right bank, at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. One diversion for about 1,500 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,970 ft^3/s, about February 1, 1963, gage height, 8.64 ft; in gage well, from rating curve extended above 250 ft^3/s on basis of slope-area measurement of peak flow; maximum gage height, 9.22 ft, about March 17, 1993; no flow for several days in some years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
April 5	0200	*520	*5.20	No other peaks greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	5.4	12	e5.6	e5.0	25	274	61	46	16	e3.1	e1.5
2	3.1	5.3	10	e5.8	e4.9	26	316	62	71	18	e3.0	e1.5
3	3.1	5.3	9.4	e6.2	e4.9	24	253	64	64	15	e2.9	e1.5
4	3.1	5.2	9.7	e6.2	e5.0	23	274	74	49	13	e2.8	e1.5
5	3.1	5.3	e6.0	e6.0	e5.0	24	322	73	38	10	e2.8	1.5
6	2.9	5.3	6.5	e6.1	e5.4	26	281	78	34	8.7	e2.9	1.8
7	2.9	5.3	7.1	e9.0	e5.5	58	225	84	36	7.8	e2.9	2.3
8	3.0	5.6	e8.0	e13	e5.1	38	192	73	35	6.1	e2.9	2.3
9	3.2	5.2	e8.0	e12	e5.0	34	162	58	35	5.3	e2.8	2.2
10	3.5	5.0	e7.0	e11	e5.0	31	169	56	35	4.7	e2.8	2.1
11	3.9	5.7	e8.0	e9.7	e5.9	26	140	55	30	4.0	e2.8	1.8
12	4.0	6.3	e8.5	e8.7	e5.3	39	157	39	25	e3.7	e2.8	1.7
13	4.0	5.8	e9.5	e7.8	e5.0	65	139	36	23	e3.4	e2.7	1.7
14	3.9	5.7	e10	e7.2	e4.2	43	175	40	20	3.3	e2.5	1.7
15	3.9	5.7	e9.0	e6.8	e4.2	34	196	37	21	e3.5	e2.4	1.7
16	4.0	5.6	e8.5	e6.5	e4.5	32	114	35	22	e3.5	e2.2	2.1
17	4.1	5.9	e8.5	e6.4	e5.9	25	93	40	20	e3.8	e2.1	2.6
18	4.2	6.1	e8.1	e6.2	e8.2	23	87	41	22	e4.0	e2.1	2.6
19	4.3	5.5	e7.3	e6.1	16	26	72	45	21	e4.6	e2.1	2.4
20	4.3	5.8	e6.7	e6.2	33	26	74	61	24	4.9	e2.1	2.2
21	4.3	6.0	e6.4	e6.1	36	44	63	74	23	5.9	e2.0	2.1
22	4.3	7.4	e6.3	e5.2	47	80	59	59	34	4.8	e2.0	2.1
23	4.3	8.5	e6.1	e5.1	64	114	63	54	28	4.6	e1.9	2.1
24	4.6	6.9	e6.3	e5.8	54	117	62	49	23	4.4	e1.8	1.8
25	4.7	5.9	e6.6	e6.3	43	108	57	41	21	4.2	e1.8	1.9
26	4.7	e5.8	e7.0	e6.8	33	99	57	40	19	3.9	e1.7	1.9
27	4.7	e5.6	e6.6	e6.0	30	120	56	39	18	3.7	e1.6	2.1
28	5.0	e5.6	e6.5	e5.0	29	135	61	37	18	3.4	e1.6	2.2
29	4.9	e5.8	e6.5	e4.9	---	185	55	41	18	3.3	e1.6	2.4
30	5.1	8.6	e6.2	e4.9	---	216	59	46	17	e3.2	e1.6	2.5
31	5.3	---	e6.0	e5.0	---	239	---	47	---	e3.2	e1.6	---
TOTAL	123.6	177.1	238.3	213.6	479.0	2105	4307	1639	890	187.9	71.9	59.8
MEAN	3.987	5.903	7.687	6.890	17.11	67.90	143.6	52.87	29.67	6.061	2.319	1.993
MAX	5.3	8.6	12	13	64	239	322	84	71	18	3.1	2.6
MIN	2.9	5.0	6.0	4.9	4.2	23	55	35	17	3.2	1.6	1.5
AC-FT	245	351	473	424	950	4180	8540	3250	1770	373	143	119

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2002, BY WATER YEAR (WY)

MEAN	4.564	7.058	11.60	21.81	42.87	80.69	98.47	74.79	35.32	9.482	3.024	2.736
MAX	10.0	17.3	50.9	108	302	353	600	310	140	46.5	15.4	9.96
(WY)	1984	1984	1956	1997	1986	1993	1952	1984	1983	1984	1983	1984
MIN	0.69	2.06	2.46	2.26	4.82	6.63	4.08	2.74	0.77	0.14	0.000	0.000
(WY)	1982	1993	1950	1950	1955	1992	1992	1992	1992	1992	1992	1960

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1949 - 2002	
ANNUAL TOTAL	2437.35		10492.2			
ANNUAL MEAN	6.678		28.75		32.59	
HIGHEST ANNUAL MEAN					98.2	1984
LOWEST ANNUAL MEAN					4.11	1992
HIGHEST DAILY MEAN	34	Mar 22	322	Apr 5	2800	Feb 1 1963
LOWEST DAILY MEAN	0.07	Jun 24	1.5	Sep 1	0.00	Sep 8 1955
ANNUAL SEVEN-DAY MINIMUM	0.87	Jun 19	1.5	Aug 30	0.00	Sep 8 1955
MAXIMUM PEAK FLOW			520	Apr 5	3970	Feb 1 1963
MAXIMUM PEAK STAGE			5.20	Apr 5	9.22	Mar 17 1993
ANNUAL RUNOFF (AC-FT)	4830		20810		23610	
10 PERCENT EXCEEDS	12		71		84	
50 PERCENT EXCEEDS	5.7		6.3		8.4	
90 PERCENT EXCEEDS	1.5		2.2		1.8	

e Estimated

SUMMIT LAKE BASIN

10353750 MAHOGANY CREEK NEAR SUMMIT LAKE, NV

LOCATION.--Lat 41°32'42", long 119°00'34", in SE $^1/_4$ NE $^1/_4$ sec.21, T.42 N., R.26 E., Humboldt County, Hydrologic Unit 16040202, on right bank, 2.8 mi northeast of Summit Lake, and 78 mi north of Gerlach.

DRAINAGE AREA.--13.3 mi^2, approximately.

PERIOD OF RECORD.--July 1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,080 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 50 ft^3/s, June 5, 1995, gage height, 5.34 ft; maximum gage height, 5.56 ft, June 17, 1998, backwater effect from tree; minimum daily , 0.32 ft^3/s, August 1, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9.5 ft^3/s, June 3, gage height, 4.62 ft; maximum gage height, 5.03 ft, January 30, backwater from ice; minimum daily, 0.96 ft^3/s, October 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.96	1.5	1.6	e1.6	1.5	e1.5	2.7	4.2	5.6	2.9	1.3	1.3
2	0.97	1.5	1.6	e1.6	1.5	1.6	2.9	4.1	6.1	2.8	1.4	1.2
3	0.97	1.5	1.6	e1.7	1.5	1.5	3.1	4.1	8.2	2.8	1.4	1.2
4	0.98	1.5	1.5	e1.6	1.5	1.5	3.4	4.1	8.2	2.6	1.4	1.1
5	0.99	1.5	1.5	e1.6	1.5	1.5	3.5	4.2	7.9	2.5	1.4	1.2
6	0.99	1.5	1.6	e1.6	1.5	1.6	3.6	4.3	7.5	2.5	1.4	1.4
7	1.00	1.4	1.5	e1.8	1.5	1.5	3.5	4.4	7.1	2.4	1.4	1.4
8	1.0	1.4	1.5	2.1	1.5	e1.5	3.7	4.2	6.6	2.3	1.4	1.4
9	1.1	1.4	1.5	2.0	1.5	1.5	4.0	4.2	6.5	2.2	1.5	1.4
10	1.1	1.5	e1.5	e1.9	1.5	1.5	4.0	4.4	6.6	2.0	1.8	1.3
11	1.2	1.5	1.5	e1.9	1.5	1.6	3.9	4.1	6.1	2.0	1.9	1.3
12	1.2	1.5	1.6	e1.9	1.5	1.7	4.1	4.0	5.7	1.9	1.9	1.3
13	1.1	2.1	1.6	2.0	1.6	1.6	4.3	4.0	5.0	1.9	1.8	1.2
14	1.1	2.0	1.6	1.6	1.6	1.6	5.6	4.0	5.5	1.9	1.7	1.2
15	1.1	1.5	e1.6	1.5	1.6	1.6	6.1	4.0	5.3	1.8	1.7	1.2
16	1.1	1.5	1.5	1.5	1.6	1.6	5.3	4.1	5.2	1.7	1.6	1.4
17	1.2	1.5	1.5	1.6	1.6	1.7	4.7	4.0	5.2	1.7	1.6	1.3
18	1.2	2.0	1.5	1.5	1.6	e1.7	4.3	4.2	4.9	2.0	1.5	1.4
19	1.2	1.8	1.5	1.5	1.6	1.7	4.1	4.3	4.8	1.9	1.5	1.4
20	1.2	1.5	1.5	1.5	1.7	1.9	3.8	4.5	4.7	1.8	1.6	1.3
21	1.2	1.6	1.5	1.5	1.7	2.0	3.8	4.6	4.9	1.6	1.8	1.3
22	1.2	1.9	1.5	e1.5	1.7	2.1	3.8	4.5	4.7	1.5	1.7	1.5
23	1.2	1.4	1.5	1.5	1.7	2.1	3.8	4.4	4.2	1.5	1.9	1.5
24	1.3	1.4	1.5	1.5	1.6	2.1	3.8	4.3	4.0	1.5	1.9	1.5
25	1.3	1.4	1.5	1.6	1.5	2.0	4.0	4.2	3.7	1.5	1.7	1.6
26	1.3	1.5	e1.5	1.6	1.5	2.0	4.3	4.2	3.5	1.5	1.7	1.8
27	1.3	1.6	e1.5	1.6	1.5	2.1	4.5	4.3	3.4	1.5	1.7	1.8
28	1.4	1.5	e1.5	e1.6	1.5	2.2	4.4	4.4	3.3	1.5	1.5	1.9
29	1.4	1.6	e1.5	e1.5	---	2.3	4.5	4.5	3.0	1.4	1.5	1.9
30	1.6	1.6	e1.5	e1.5	---	2.4	4.4	4.9	3.0	1.4	1.7	2.0
31	1.5	---	e1.6	1.5	---	2.5	---	5.3	---	1.4	1.6	---
TOTAL	36.36	47.1	47.4	50.9	43.6	55.7	121.9	133.0	160.4	59.9	49.9	42.7
MEAN	1.173	1.570	1.529	1.642	1.557	1.797	4.063	4.290	5.347	1.932	1.610	1.423
MAX	1.6	2.1	1.6	2.1	1.7	2.5	6.1	5.3	8.2	2.9	1.9	2.0
MIN	0.96	1.4	1.5	1.5	1.5	1.5	2.7	4.0	3.0	1.4	1.3	1.1
AC-FT	72	93	94	101	86	110	242	264	318	119	99	85

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2002, BY WATER YEAR (WY)

MEAN	1.786	1.844	1.706	1.772	1.883	2.599	3.976	8.778	8.604	3.773	1.828	1.603
MAX	3.90	3.87	3.57	3.55	3.25	3.96	6.90	27.9	29.2	13.7	5.41	4.33
(WY)	1999	1999	1999	1997	1999	1999	1996	1998	1998	1998	1998	1998
MIN	0.83	0.90	0.90	1.04	1.28	1.42	1.96	1.36	0.82	0.55	0.39	0.46
(WY)	1993	1993	1995	1993	1989	1991	1994	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1987 - 2002	
ANNUAL TOTAL	700.89		848.86			
ANNUAL MEAN	1.920		2.326		3.354	
HIGHEST ANNUAL MEAN					8.41	1998
LOWEST ANNUAL MEAN					1.21	1992
HIGHEST DAILY MEAN	4.7	Mar 21	8.2	Jun 3	47	Jun 5 1995
LOWEST DAILY MEAN	0.84	Sep 2	0.96	Oct 1	0.32	Aug 1 1992
ANNUAL SEVEN-DAY MINIMUM	0.85	Aug 29	0.98	Oct 1	0.33	Jul 31 1992
MAXIMUM PEAK FLOW			9.5	Jun 3	50	Jun 5 1995
MAXIMUM PEAK STAGE			4.62	Jun 3	5.56	Jun 17 1998
INSTANTANEOUS LOW FLOW			0.91	Oct 1	0.32	Aug 1 1992
ANNUAL RUNOFF (AC-FT)	1390		1680		2430	
10 PERCENT EXCEEDS	3.4		4.4		6.3	
50 PERCENT EXCEEDS	1.7		1.6		2.0	
90 PERCENT EXCEEDS	0.97		1.3		0.94	

e Estimated

SMOKE CREEK DESERT

10353800 SMOKE CREEK BELOW RESERVOIR NEAR SMOKE CREEK, NV

LOCATION.--Lat 40°30'33", long 119°52'24", in NE $^1/_4$ NW $^1/_4$ sec.5, T.30 N., R.19 E., Washoe County, Hydrologic Unit 16040203, on left bank, 11.2 mi south of Buffalo Creek Ranch, and 38.1 mi southwest of Gerlach.

DRAINAGE AREA.--224 mi^2.

PERIOD OF RECORD.--December 1988 to current year.

REVISED RECORDS.--WDR NV-00-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 3,980 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,320 ft^3/s, March 9, 1995, gage height, 8.43 ft; no flow many days, most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of February 1986 reached a stage of 9.00 ft, present datum, from floodmarks; discharge 2,270 ft^3/s, on basis of slope-area measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 48 ft^3/s, January 16, gage height, 4.76 ft, maximum gage height, 4.88 ft, January 19, due to ice; no flow many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	1.9	5.8	17	4.9	18	5.4	3.9	2.5	0.00	0.00	0.00
2	0.00	2.1	7.8	29	7.6	5.9	5.3	3.6	2.5	0.00	0.00	0.00
3	0.00	2.1	6.9	34	12	1.7	5.4	3.3	2.2	0.00	0.00	0.00
4	0.00	2.1	6.3	34	5.5	3.8	5.4	3.1	1.8	0.00	0.00	0.00
5	0.00	2.1	5.9	34	5.0	5.5	5.4	3.0	1.6	0.00	0.00	0.00
6	0.00	2.1	5.5	34	5.3	5.7	5.4	2.9	1.4	0.00	0.00	0.00
7	0.00	2.2	4.9	33	4.8	6.5	5.4	2.8	1.1	0.00	0.00	0.00
8	0.00	2.2	4.2	32	4.7	6.3	4.9	2.9	1.6	0.00	0.00	0.00
9	0.00	2.4	4.8	24	3.8	14	3.4	3.1	2.0	0.00	0.00	0.00
10	0.00	2.5	6.3	17	4.0	15	3.2	3.3	1.9	0.00	0.00	0.00
11	0.00	2.6	4.9	16	4.2	13	3.1	3.5	1.5	0.00	0.00	0.00
12	0.00	2.7	4.8	16	4.5	9.9	3.0	3.2	0.60	0.00	0.00	0.00
13	0.00	2.9	5.4	15	4.3	8.7	2.9	3.1	0.15	0.00	0.00	0.00
14	0.00	2.9	5.3	14	4.0	8.4	2.6	3.0	0.00	0.00	0.00	0.00
15	0.25	3.0	2.6	20	4.0	8.3	2.5	3.0	0.00	0.00	0.00	0.00
16	0.78	3.0	3.7	21	4.4	8.5	2.7	3.0	0.00	0.00	0.00	0.00
17	0.92	3.0	5.2	20	5.0	8.4	3.0	3.0	0.00	0.00	0.00	0.00
18	1.2	3.0	3.8	e17	4.7	8.5	3.1	3.0	0.00	0.00	0.00	0.00
19	1.1	3.3	4.3	e15	5.2	8.5	2.9	2.9	0.00	0.00	0.00	0.00
20	1.1	4.0	3.9	e12	9.8	8.1	2.9	3.2	0.00	0.00	0.00	0.00
21	1.1	3.7	3.7	10	24	7.7	2.9	3.5	0.00	0.00	0.00	0.00
22	1.2	4.3	3.4	8.1	20	7.5	2.8	3.6	0.00	0.00	0.00	0.00
23	1.2	3.8	3.5	e7.1	25	7.5	2.7	3.5	0.00	0.00	0.00	0.00
24	1.2	5.4	4.2	e6.1	28	7.5	2.6	3.4	0.00	0.00	0.00	0.00
25	1.2	6.4	4.5	5.2	28	7.5	2.7	3.3	0.00	0.00	0.00	0.00
26	1.3	7.9	5.6	6.1	28	7.5	2.7	3.2	0.00	0.00	0.00	0.00
27	1.4	7.2	5.4	5.2	29	4.5	3.4	3.3	0.00	0.00	0.00	0.00
28	1.5	8.3	5.3	5.5	29	3.8	3.5	3.2	0.00	0.00	0.00	0.00
29	1.4	7.5	5.5	5.3	---	5.1	4.3	3.0	0.00	0.00	0.00	0.02
30	1.6	5.9	5.7	e5.0	---	5.4	4.8	2.8	0.00	0.00	0.00	0.39
31	1.9	---	8.6	e5.0	---	5.4	---	2.7	---	0.00	0.00	---
TOTAL	20.35	112.5	157.7	522.6	318.7	242.1	110.3	98.3	20.85	0.00	0.00	0.41
MEAN	0.656	3.750	5.087	16.86	11.38	7.810	3.677	3.171	0.695	0.000	0.000	0.014
MAX	1.9	8.3	8.6	34	29	18	5.4	3.9	2.5	0.00	0.00	0.39
MIN	0.00	1.9	2.6	5.0	3.8	1.7	2.5	2.7	0.00	0.00	0.00	0.00
AC-FT	40	223	313	1040	632	480	219	195	41	0.00	0.00	0.8

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2002, BY WATER YEAR (WY)

MEAN	3.288	3.885	8.277	27.68	39.89	40.63	14.29	15.45	2.982	1.080	1.093	1.323
MAX	13.9	10.8	35.1	167	196	162	66.0	106	18.9	4.82	4.85	5.55
(WY)	2000	1996	1997	1995	1996	1993	1995	1995	1998	1995	1995	1998
MIN	0.000	0.000	0.000	1.35	3.96	2.95	1.32	0.005	0.000	0.000	0.000	0.000
(WY)	1991	1991	1995	1993	1992	1992	1990	1994	1990	1991	1989	1989

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1989 - 2002	
ANNUAL TOTAL	1072.78		1603.81			
ANNUAL MEAN	2.939		4.394		13.65	
HIGHEST ANNUAL MEAN					51.1	1995
LOWEST ANNUAL MEAN					1.41	1992
HIGHEST DAILY MEAN	12	Jan 14	34	Jan 3	1790	Jan 14 1995
LOWEST DAILY MEAN	0.00	May 18	0.00	Oct 1	0.00	Jul 6 1989
ANNUAL SEVEN-DAY MINIMUM	0.00	May 18	0.00	Oct 1	0.00	Jul 6 1989
MAXIMUM PEAK FLOW			48	Jan 16	4320	Mar 9 1995
MAXIMUM PEAK STAGE			4.76	Jan 16	8.43	Mar 9 1995
ANNUAL RUNOFF (AC-FT)	2130		3180		9890	
10 PERCENT EXCEEDS	8.2		9.1		22	
50 PERCENT EXCEEDS	1.2		2.9		3.5	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

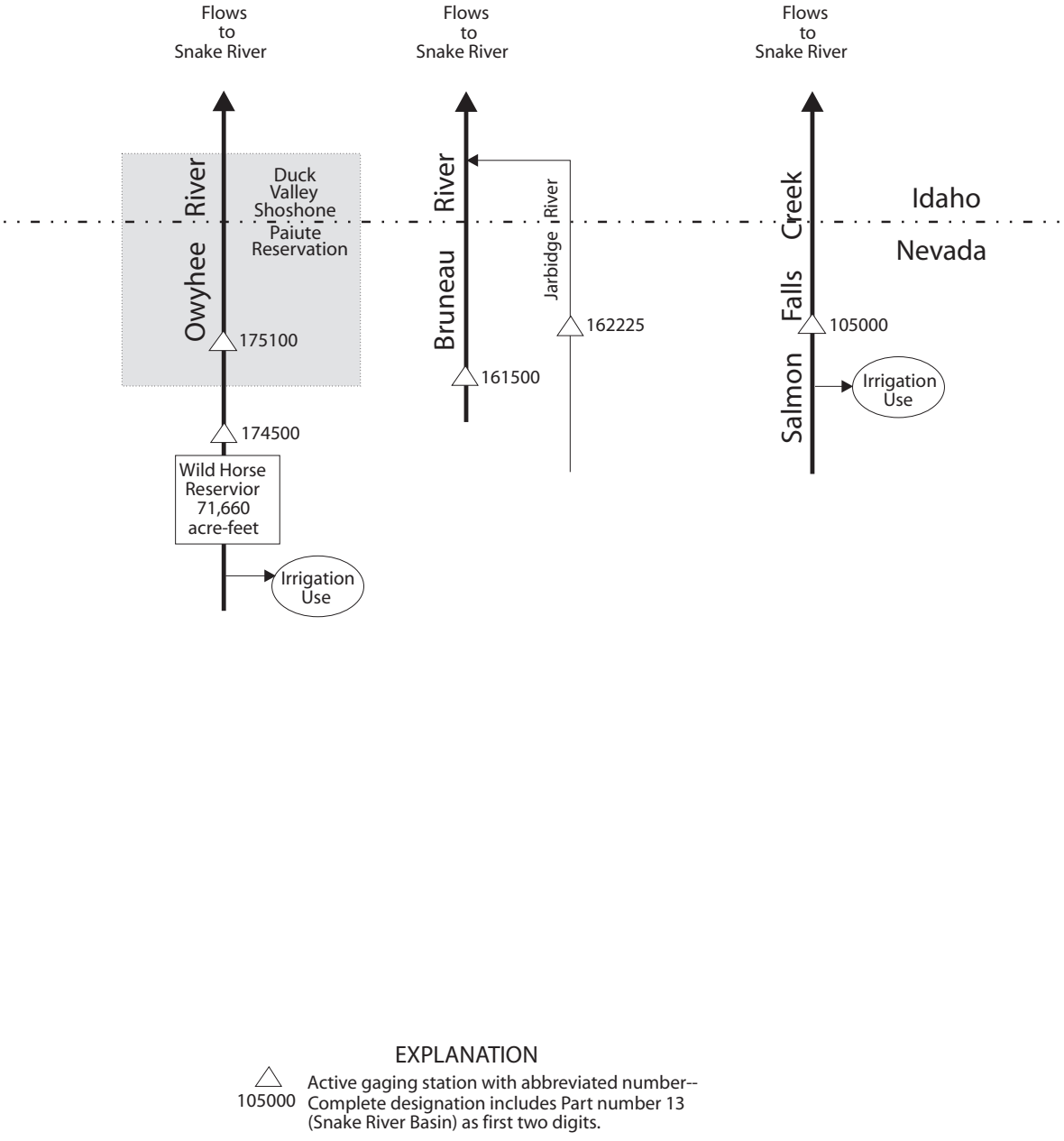

Figure 27. Schematic diagram of flow system and gaging statons in the Snake River basin.

SALMON FALLS CREEK BASIN

13105000 SALMON FALLS CREEK NEAR SAN JACINTO, NV

OCATION.--Lat 41°56'40", long 114°41'15", in NE¼SW¼ sec.23, T.47 N., R.64 E., Elko County, Nevada, Hydrologic Unit 17040213, on right bank in canyon, 630 ft downstream from bridge on U.S. Highway 93, 550 ft downstream from Shoshone Creek, and 5 mi north of San Jacinto.

DRAINAGE AREA.--1,450 mi^2, approximately. Mean elevation, 6,350 ft.

PERIOD OF RECORD.--September 1909 to June 1910 (gage heights only), June 1910 to September 1916, October 1918 to current year. Monthly discharge only for some periods published in WSP 1317. Prior to October 1910, published as "Salmon Falls River".

REVISED RECORDS.--WSP 1934: 1943(M).

GAGE.--Water-stage recorder. Elevation of gage is 5,120 ft above NGVD of 1929, by barometer. Prior to June 6, 1910, nonrecording gage at nearby site at different datum. June 6, 1910 to September 30, 1916, October 1, 1918 to August 28, 1964, water-stage recorder at site 35 ft upstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 18,200 acres (1966 determination). Salmon Dam of Salmon River Canal Co. is 15 mi downstream (see sta 13106500).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,860 ft^3/s May 16, 1984, gage height, 14.27 ft; minimum, 2.6 ft^3/s September 4, 1961, gage height, 3.37 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 555 ft^3/s May 2; minimum daily, 12 ft^3/s August 22-31, September 1-5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	49	41	59	50	60	236	414	272	46	21	12
2	37	47	53	60	51	58	291	555	359	43	19	12
3	37	47	56	61	47	59	311	499	414	40	20	12
4	36	46	57	57	47	60	306	470	352	37	20	12
5	37	46	e56	52	45	61	318	459	305	32	20	12
6	38	46	e55	60	46	63	371	453	269	29	20	17
7	38	46	e54	60	52	68	422	457	242	30	19	24
8	39	46	e53	60	55	70	408	464	232	34	18	25
9	40	46	e54	61	53	64	379	434	220	35	17	25
10	e39	46	e52	60	52	65	368	401	209	33	17	24
11	e40	48	49	55	52	66	357	378	204	32	16	23
12	e41	49	51	58	55	69	341	344	189	30	15	23
13	e41	49	50	56	52	79	336	312	169	28	14	22
14	e41	48	55	53	53	86	365	305	149	30	14	21
15	e41	48	50	56	53	78	425	313	124	30	14	26
16	e41	48	44	49	56	75	501	321	110	30	14	29
17	e41	48	47	51	60	72	463	291	101	28	14	28
18	e41	49	52	47	61	71	426	292	95	29	13	32
19	e42	49	54	36	62	69	376	291	89	25	13	32
20	e42	48	52	47	68	70	352	302	85	29	13	31
21	e43	47	50	55	69	77	326	341	84	30	13	30
22	e42	50	41	49	71	92	308	367	84	29	12	30
23	e44	53	47	45	69	108	305	347	78	26	12	30
24	44	50	46	49	69	118	307	310	77	24	12	30
25	45	49	32	53	67	117	301	260	72	24	12	30
26	45	46	28	55	66	114	299	238	66	24	12	31
27	45	46	40	55	64	117	320	221	64	25	12	34
28	46	33	50	49	61	134	340	215	61	23	12	35
29	46	42	49	37	---	162	331	198	58	22	12	36
30	46	48	52	35	---	174	330	205	52	22	12	36
31	48	---	55	44	---	198	---	228	---	21	12	---
TOTAL	1282	1413	1525	1624	1606	2774	10519	10685	4885	920	464	764
MEAN	41.35	47.10	49.19	52.39	57.36	89.48	350.6	344.7	162.8	29.68	14.97	25.47
MAX	48	53	57	61	71	198	501	555	414	46	21	36
MIN	36	33	28	35	45	58	236	198	52	21	12	12
AC-FT	2540	2800	3020	3220	3190	5500	20860	21190	9690	1820	920	1520

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2002, BY WATER YEAR (WY)

MEAN	49.33	58.56	58.66	68.62	97.60	164.2	347.9	458.5	273.9	63.03	27.66	32.36
MAX	92.0	105	130	201	377	588	865	2033	1209	344	127	77.6
(WY)	1985	1985	1965	1971	1943	1972	1942	1984	1984	1984	1984	1984
MIN	18.1	34.6	36.9	38.0	44.4	55.5	77.4	52.0	23.0	12.5	8.16	9.79
(WY)	1916	1916	1932	1955	1955	1955	1934	1934	1992	1931	1940	1947

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1910 - 2002	
ANNUAL TOTAL	22853		38461			
ANNUAL MEAN	62.61		105.4		141.4	
HIGHEST ANNUAL MEAN					439	1984
LOWEST ANNUAL MEAN					45.4	1934
HIGHEST DAILY MEAN	239	Mar 29	555	May 2	3620	May 16 1984
LOWEST DAILY MEAN	11	Aug 8	12	Aug 22	3.2	Sep 4 1961
ANNUAL SEVEN-DAY MINIMUM	11	Aug 23	12	Aug 22	5.7	Sep 1 1961
ANNUAL RUNOFF (AC-FT)	45330		76290		102500	
10 PERCENT EXCEEDS	152		328		394	
50 PERCENT EXCEEDS	47		50		63	
90 PERCENT EXCEEDS	15		21		26	

e Estimated

BRUNEAU RIVER BASIN

13161500 BRUNEAU RIVER AT ROWLAND, NV

LOCATION.--Lat 41°56'00", long 115°40'25", in NW $^1/_4$ SE $^1/_4$ sec.29, T.47 N., R.56 E., Elko County, Hydrologic Unit 17050102, Humboldt National Forest, on left bank, 2 mi upstream from McDonald Creek, and 0.5 mi south of Rowland.

DRAINAGE AREA.--382 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1913 to September 1918 (published as "near Rowland"), water years 1962-66 (annual maximum), October 1966 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,500 ft above NGVD of 1929, from topographic map. June 1913 to September 1918, nonrecording gage at different site and datum. October 1961 to September 1966, crest-stage gage at site 3 mi upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,140 ft^3/s, May 14, 1984, gage height, 12.01 ft; minimum daily, 2.5 ft^3/s, September 18, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*).

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 6	1545	*684	*5.80	June 1	2315	366	4.43
May 1	1645	561	5.19				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	10	21	e14	e14	e28	406	485	296	47	6.9	4.9
2	5.5	9.7	17	e14	e12	e27	481	512	340	44	6.6	4.5
3	5.5	9.5	17	e13	e11	e26	505	519	288	40	6.3	4.2
4	5.9	9.3	15	e14	e10	e30	513	474	250	38	6.6	3.9
5	5.8	9.5	16	e16	e14	e34	578	450	228	36	6.2	4.3
6	5.9	9.4	21	e16	e17	e34	621	437	218	34	5.9	5.6
7	6.2	8.9	17	e16	e14	e35	557	430	209	32	5.8	7.4
8	6.7	8.8	18	e16	e13	e32	467	381	197	28	5.9	7.9
9	7.0	8.6	20	e16	e13	e39	420	349	185	26	5.8	6.9
10	7.1	9.1	17	e15	e14	e42	397	322	174	24	5.6	6.2
11	7.9	9.3	16	e15	e15	e43	368	296	157	21	5.2	5.8
12	8.4	10	e16	e15	e14	e45	373	281	142	19	4.8	5.5
13	7.5	10	e16	e15	e13	e47	401	285	130	18	4.6	5.3
14	7.2	11	e16	e15	e14	e48	485	297	122	18	4.4	5.0
15	7.0	11	e16	e16	e14	46	521	299	118	17	4.1	4.6
16	7.0	10	e15	e16	e14	46	374	297	112	17	3.9	4.7
17	7.1	11	e15	e16	e13	45	328	290	106	17	3.8	7.0
18	7.3	11	e15	e15	e14	43	286	296	103	18	3.8	9.8
19	8.1	11	e15	e12	e16	44	259	316	98	17	3.8	8.2
20	8.2	11	e15	e14	e19	45	239	330	94	15	3.9	7.0
21	8.1	13	e15	e14	e20	56	222	326	93	14	4.2	6.3
22	8.3	23	e14	e14	e22	82	221	303	94	12	4.7	6.2
23	8.7	18	e13	e14	e24	105	228	261	90	11	5.1	6.2
24	8.8	14	e13	e14	e28	101	227	231	76	9.6	6.0	6.0
25	8.7	14	e13	e13	e26	95	239	208	71	9.0	5.5	5.8
26	8.8	14	e14	e13	e28	95	269	196	66	8.7	5.0	6.0
27	8.8	12	e14	e13	e24	119	283	191	63	8.6	5.0	6.2
28	8.8	12	e14	e14	e28	171	265	195	59	8.3	5.4	6.6
29	8.7	17	e14	e13	---	233	272	213	54	7.9	5.5	7.1
30	9.3	17	e14	e12	---	279	317	240	51	7.3	5.2	7.3
31	11	---	e14	e14	---	357	---	262	---	6.8	5.2	---
TOTAL	234.8	352.1	486	447	478	2472	11122	9972	4284	629.2	160.7	182.4
MEAN	7.574	11.74	15.68	14.42	17.07	79.74	370.7	321.7	142.8	20.30	5.184	6.080
MAX	11	23	21	16	28	357	621	519	340	47	6.9	9.8
MIN	5.5	8.6	13	12	10	26	221	191	51	6.8	3.8	3.9
AC-FT	466	698	964	887	948	4900	22060	19780	8500	1250	319	362

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2002, BY WATER YEAR (WY)

MEAN	21.58	27.48	28.33	38.54	54.48	159.3	315.1	384.1	212.5	52.19	16.72	14.54
MAX	52.2	58.5	56.3	137	276	608	666	1256	744	257	86.5	39.8
(WY)	1985	1985	1976	1971	1986	1972	1914	1984	1984	1984	1984	1984
MIN	7.57	11.7	11.9	12.0	16.0	37.4	55.0	50.4	14.7	5.60	2.59	3.87
(WY)	2002	2002	1993	1992	2001	1981	1968	1992	1992	1992	2001	1981

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1913 - 2002	
ANNUAL TOTAL	13087.9		30820.2			
ANNUAL MEAN	35.86		84.44		110.4	
HIGHEST ANNUAL MEAN					290	1984
LOWEST ANNUAL MEAN					24.2	1992
HIGHEST DAILY MEAN	224	Apr 28	621	Apr 6	2070	May 14 1984
LOWEST DAILY MEAN	1.7	Aug 28	3.8	Aug 17	1.7	Aug 28 2001
ANNUAL SEVEN-DAY MINIMUM	1.9	Aug 26	3.9	Aug 15	1.9	Aug 26 2001
MAXIMUM PEAK FLOW			684	Apr 6	2140	May 14 1984
MAXIMUM PEAK STAGE			5.80	Apr 6	12.01	May 14 1984
ANNUAL RUNOFF (AC-FT)	25960		61130		79990	
10 PERCENT EXCEEDS	129		297		338	
50 PERCENT EXCEEDS	14		15		35	
90 PERCENT EXCEEDS	3.5		5.8		10	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977-84, April 1998 to April 2000, April, 2002.

REMARKS.--In April 1998, station was established in cooperation with the U.S. Forest Service to collect sediment data.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	NUMBER OF SAM-PLING POINTS (COUNT) (00063)	BAG MESH BEDLOAD SAMPLER (MM) (30333)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .062 MM (80226)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .125 MM (80227)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .250 MM (80228)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .500 MM (80229)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 1.00 MM (80230)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 2.00 MM (80231)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 4.00 MM (80232)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 8.00 MM (80233)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 16.0 MM (80234)
APR													
01...	1200	382	--	--	--	--	--	--	--	--	--	--	--
01...	1224	382	22	.250	0	0	1	22	53	72	78	79	79
02...	0950	448	--	--	--	--	--	--	--	--	--	--	--
02...	1100	448	22	.250	0	0	1	19	47	66	78	89	95
03...	1017	476	--	--	--	--	--	--	--	--	--	--	--
08...	1130	451	22	.250	0	0	1	22	55	74	82	90	96
09...	1000	418	--	--	--	--	--	--	--	--	--	--	--
09...	1014	418	22	.250	0	0	0	13	32	49	71	90	97

Date	SED. BEDLOAD SIEVE DIAM. % FINER THAN 32.0 MM (80235)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 64.0 MM (80236)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
APR					
01...	--	--	133	137	88
01...	79	100	--	--	--
02...	--	--	198	240	87
02...	100	--	--	--	--
03...	--	--	139	179	81
08...	100	--	62	75.5	77
09...	--	--	51	57.6	79
09...	100	--	--	--	--

BRUNEAU RIVER BASIN

13162225 JARBIDGE RIVER BELOW JARBIDGE, NV

LOCATION.--Lat 41°53'26", long 115°25'40", in SW $^1/_4$ NW $^1/_4$ sec.09, T.46 N., R.58 E., Elko County, Hydrologic Unit 17050102, Humboldt National Forest, on right bank, 1.0 mi north of Jarbidge.

DRAINAGE AREA.--30.6 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,050 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 565 ft^3/s, June 1, gage height, 5.11 ft; minimum daily, 2.6 ft^3/s, October 1, 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	4.5	6.5	5.7	e5.5	e5.4	40	85	467	28	5.0	4.3
2	2.6	4.2	6.1	5.9	e5.6	e5.1	47	85	446	26	4.9	3.9
3	2.8	4.0	5.8	6.1	e5.4	e4.5	51	90	347	22	5.7	3.7
4	3.0	4.0	5.4	5.8	e5.2	e5.2	61	91	276	19	7.0	3.7
5	3.1	4.3	e4.5	6.1	e4.8	e6.0	75	94	256	18	6.8	4.5
6	3.1	4.4	e5.7	7.1	e5.3	e6.1	79	103	263	17	6.7	4.9
7	3.2	4.3	e5.1	9.0	e6.0	e6.0	70	106	253	16	6.9	6.6
8	3.4	4.1	e4.5	8.7	e5.6	e5.6	61	90	209	14	6.8	5.6
9	3.6	4.3	5.6	7.7	e5.1	e5.2	58	82	156	14	6.5	5.3
10	3.6	4.4	5.7	e6.0	e4.3	e6.0	53	70	122	12	6.1	4.8
11	4.2	4.6	5.4	7.1	e5.7	e5.9	49	64	102	12	5.4	4.5
12	4.2	4.5	e4.8	7.0	e5.1	e5.9	57	69	88	11	5.3	4.4
13	4.0	4.7	e5.6	6.8	e4.7	e5.8	74	89	85	11	5.2	3.9
14	3.8	4.7	e5.3	7.5	e6.2	e5.5	110	118	95	10	5.0	3.7
15	3.7	4.6	e4.5	7.0	e4.9	e5.4	112	130	103	10	4.7	3.4
16	3.7	4.3	e5.2	e6.5	e5.8	e5.4	81	117	104	9.8	4.6	3.8
17	3.7	4.4	5.7	e5.5	e5.5	e5.3	60	144	100	9.8	4.4	6.8
18	3.5	4.5	5.6	e7.0	e5.4	e5.5	46	181	92	10	4.7	8.7
19	3.5	4.2	5.7	e5.5	e5.7	e5.9	39	241	82	9.5	4.7	5.4
20	3.5	4.4	5.7	6.5	e5.5	6.6	34	246	72	8.7	4.7	4.9
21	3.5	4.6	e5.4	6.6	e5.3	8.9	32	181	64	8.0	5.0	4.6
22	3.5	6.9	e5.2	e5.0	e5.7	13	41	111	63	7.4	4.8	4.4
23	4.3	5.5	e5.0	e5.0	e6.0	14	50	85	57	6.9	5.0	4.4
24	4.1	5.1	e4.8	6.4	e5.6	13	51	77	51	6.6	5.2	4.0
25	4.0	5.7	e5.1	6.0	e5.7	11	57	75	47	6.3	4.6	4.0
26	4.0	5.5	e5.6	6.1	e5.8	11	68	75	43	6.2	4.4	4.1
27	3.8	5.4	6.1	6.6	e4.9	14	67	81	39	6.0	4.7	4.2
28	3.7	e4.2	5.7	7.3	e5.5	17	57	115	36	5.8	5.1	4.4
29	3.7	e4.6	5.5	e6.0	---	22	60	190	33	5.6	4.9	4.6
30	3.9	e5.2	5.6	e4.5	---	26	71	291	30	5.4	4.6	4.7
31	6.3	---	5.7	e5.5	---	31	---	437	---	5.2	4.6	---
TOTAL	113.6	140.1	168.1	199.5	151.8	293.2	1811	4013	4181	357.2	164.0	140.2
MEAN	3.665	4.670	5.423	6.435	5.421	9.458	60.37	129.5	139.4	11.52	5.290	4.673
MAX	6.3	6.9	6.5	9.0	6.2	31	112	437	467	28	7.0	8.7
MIN	2.6	4.0	4.5	4.5	4.3	4.5	32	64	30	5.2	4.4	3.4
AC-FT	225	278	333	396	301	582	3590	7960	8290	709	325	278

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2002, BY WATER YEAR (WY)

MEAN	5.537	6.467	5.963	6.102	7.053	13.41	45.28	129.4	113.0	20.05	5.481	4.560
MAX	8.33	9.66	7.52	6.64	8.47	17.7	60.4	170	189	55.4	9.15	6.86
(WY)	1999	1999	1999	1999	2001	1999	2002	1999	1998	1998	1998	1998
MIN	3.66	4.67	5.42	5.22	5.42	9.46	27.5	105	28.5	6.96	3.02	3.06
(WY)	2002	2002	2002	2001	2002	2002	2001	2000	2001	2000	2000	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1998 - 2002	
ANNUAL TOTAL	6986.2		11732.7			
ANNUAL MEAN	19.14		32.14		27.84	
HIGHEST ANNUAL MEAN					39.1	1999
LOWEST ANNUAL MEAN					19.4	2001
HIGHEST DAILY MEAN	257	May 15	467	Jun 1	541	May 30 1999
LOWEST DAILY MEAN	2.5	Sep 11	2.6	Oct 1	2.5	Aug 23 2000
ANNUAL SEVEN-DAY MINIMUM	2.7	Sep 25	2.9	Oct 1	2.6	Aug 23 2000
MAXIMUM PEAK FLOW			565	Jun 1	824	May 24 1999
MAXIMUM PEAK STAGE			5.11	Jun 1	5.50	May 24 1999
ANNUAL RUNOFF (AC-FT)	13860		23270		20170	
10 PERCENT EXCEEDS	50		90		74	
50 PERCENT EXCEEDS	5.7		5.8		7.0	
90 PERCENT EXCEEDS	3.1		4.0		3.9	

e Estimated

BRUNEAU RIVER BASIN

13162225 JARBIDGE RIVER BELOW JARBIDGE, NV--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1998 to May 2000, May 2002.

REMARKS.--In April 1998, station was was established in cooperation with the U.S. Forest Service to collect sediment data.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	NUMBER OF SAM-PLING POINTS (COUNT) (00063)	BAG MESH SIZE BEDLOAD SAMPLER (MM) (30333)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .125 MM (80227)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .250 MM (80228)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .500 MM (80229)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 1.00 MM (80230)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 2.00 MM (80231)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 4.00 MM (80232)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 8.00 MM (80233)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 16.0 MM (80234)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 32.0 MM (80235)
MAY													
20...	0836	252	--	--	--	--	--	--	--	--	--	--	--
20...	0842	249	22	.250	0	0	2	10	30	51	69	77	84
20...	1350	231	--	--	--	--	--	--	--	--	--	--	--
20...	1400	242	22	.250	0	0	4	17	36	56	75	87	90
21...	1435	169	--	--	--	--	--	--	--	--	--	--	--
21...	1440	169	22	.250	0	0	3	12	35	61	81	91	97

Date	SED. BEDLOAD SIEVE DIAM. % FINER THAN 64.0 MM (80236)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAY				
20...	--	24	16.3	44
20...	100	--	--	--
20...	--	36	22.5	48
20...	100	--	--	--
21...	--	28	12.8	65
21...	100	--	--	--

OWYHEE RIVER BASIN

13174500 OWYHEE RIVER NEAR GOLD CREEK, NV

LOCATION.--Lat 41°41'20", long 115°50'38", in NE $^1/_4$ NW $^1/_4$ sec.25, T.44 N., R.54 E., Elko County, Hydrologic Unit 17050104, in Humboldt National Forest, on left bank, 500 ft downstream from Wild Horse Dam, 0.1 mi upstream from Beaver Creek, 8 mi west of Gold Creek, and 12 mi southeast of Mountain City.

DRAINAGE AREA.--209 mi^2.

PERIOD OF RECORD.--April to October 1916, April 1917 to September 1925, October 1936 to current year.

REVISED RECORDS.--WSP 1317: 1939-42 (M).

GAGE.--Water-stage recorder. Datum of gage is 6,118.75 ft, Bureau of Reclamation datum. Prior to October 1, 1936, at site 0.3 mi upstream at different datum. November 17, 1936, to October 18, 1967, at site 0.1 mi upstream at different datum. October 19, 1967, to September 30, 1971, temporary gage, 250 ft downstream at different datum, while new dam was being constructed 300 ft downstream from old dam.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Small diversions for irrigation above station. Flow regulated by Wild Horse Reservoir (station 13174000), capacity, 71,660 acre-ft, 0.1 mi upstream beginning March 18, 1938.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,810 ft^3/s, May 5, 1922, gage height, 10.11 ft, site and datum then in use; no flow many days, some years, due to gate regulation on reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 166 ft^3/s, June 18-19, gage height, 2.26 ft; minimum daily, 0.10 ft^3/s, many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4.4	7.9	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	134	121	124	84
2	e4.4	6.0	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	133	111	123	83
3	e4.4	6.8	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	132	112	124	82
4	e4.4	6.7	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	131	112	124	84
5	e4.4	6.6	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	130	111	106	84
6	7.8	6.7	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	130	111	71	86
7	9.7	7.0	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	130	110	71	87
8	6.1	7.3	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	130	108	71	87
9	8.7	3.2	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	130	107	71	87
10	9.6	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	130	109	71	87
11	9.5	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	130	109	71	87
12	6.7	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	129	109	71	87
13	5.2	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	129	109	71	87
14	5.7	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	130	108	71	87
15	6.8	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	129	108	72	87
16	7.3	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	129	106	73	87
17	6.2	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	145	115	73	22
18	4.2	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	162	126	74	14
19	5.2	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	161	126	74	14
20	8.3	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	147	126	75	14
21	7.4	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	146	126	76	14
22	7.5	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	142	125	77	14
23	7.3	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	137	126	77	14
24	8.8	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	137	125	78	14
25	8.7	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	136	125	78	14
26	8.0	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	136	125	79	14
27	8.5	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	136	125	79	14
28	6.3	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	e0.10	136	125	79	14
29	7.4	e0.10	e0.10	e0.10	---	e0.10	e0.10	92	137	125	80	14
30	8.0	e0.10	e0.10	e0.10	---	e0.10	e0.10	138	136	123	81	14
31	7.8	---	e0.10	e0.10	---	e0.10	---	136	---	124	82	---
TOTAL	214.7	60.30	3.10	3.10	2.80	3.10	3.00	368.80	4080	3628	2547	1577
MEAN	6.926	2.010	0.100	0.100	0.100	0.100	0.100	11.90	136.0	117.0	82.16	52.57
MAX	9.7	7.9	0.10	0.10	0.10	0.10	0.10	138	162	126	124	87
MIN	4.2	0.10	0.10	0.10	0.10	0.10	0.10	0.10	129	106	71	14
AC-FT	426	120	6.1	6.1	5.6	6.1	6.0	732	8090	7200	5050	3130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2002, BY WATER YEAR (WY)

MEAN	11.94	4.352	3.473	4.259	7.078	13.88	83.42	123.7	89.03	78.47	71.14	36.17
MAX	73.0	15.3	46.9	45.7	146	130	549	794	321	404	164	104
(WY)	1976	1953	1976	1984	1972	1984	1943	1984	1984	1964	1985	1965
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.28	1.54	1.00	1.50
(WY)	1939	1939	1939	1939	1939	1940	1939	1941	1995	1992	1918	1937

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1916 - 2002	
ANNUAL TOTAL	10795.16		12490.90			
ANNUAL MEAN	29.58		34.22		43.52	
HIGHEST ANNUAL MEAN					161	1984
LOWEST ANNUAL MEAN					9.95	1992
HIGHEST DAILY MEAN	200	Jun 2	162	Jun 18	1470	May 5 1922
LOWEST DAILY MEAN	0.00	Jan 1	0.10	Nov 10	0.00	Mar 19 1938
ANNUAL SEVEN-DAY MINIMUM	0.01	Jan 1	0.10	Nov 10	0.00	Mar 19 1938
MAXIMUM PEAK FLOW			166	Jun 18	1810	May 5 1922
MAXIMUM PEAK STAGE			2.26	Jun 18	10.11	May 5 1922
ANNUAL RUNOFF (AC-FT)	21410		24780		31530	
10 PERCENT EXCEEDS	130		126		126	
50 PERCENT EXCEEDS	0.10		0.10		6.0	
90 PERCENT EXCEEDS	0.01		0.10		0.00	

e Estimated

OWYHEE RIVER BASIN

13175100 OWYHEE RIVER NEAR MOUNTAIN CITY, NV

LOCATION.--Lat 41°51'38", long 115°59'18", in SE $^1/_4$ NW $^1/_4$ sec.26, T.46 N., R.53 E., Elko County, Hydrologic Unit 17050104, on left bank, 2.1 mi northwest of Mountain City.

DRAINAGE AREA.--391 mi^2.

PERIOD OF RECORD.--April 1991 to September 1995; May 1997 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,560 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation above station. Flow regulated by Wild Horse Reservoir (station 1317400), capacity, 71,660 acre-ft

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,850 ft^3/s, March 17, 1993, gage height, 9.81 ft; minimum daily, 0.42 ft^3/s, August 4, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 420 ft^3/s, April 15, gage height, 5.72 ft; minimum daily, 8.1 ft^3/s, October 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	16	e10	e12	e11	e18	228	295	232	165	143	74
2	9.1	16	e10	e12	e11	e17	251	296	285	137	146	73
3	9.0	15	e13	e12	e12	e15	232	270	241	132	145	73
4	8.9	15	e13	e11	e12	e15	236	271	220	129	142	73
5	8.7	15	e12	e10	e12	e15	274	277	207	127	143	74
6	9.2	15	e10	e14	e15	e15	301	281	198	127	83	76
7	8.9	15	e13	e21	e17	e26	292	286	195	128	68	81
8	9.3	15	e13	e27	e19	e18	259	241	189	124	66	78
9	9.3	15	e13	e19	e17	e23	254	208	195	124	68	76
10	9.1	13	e13	e20	e15	e20	266	185	200	122	68	77
11	8.8	10	e11	e25	e16	30	258	160	189	123	67	78
12	8.6	9.8	e12	e20	e17	60	268	135	174	124	64	78
13	8.1	9.7	e12	e14	e16	63	293	132	165	121	63	77
14	8.4	9.5	e13	e15	e18	44	339	134	151	121	60	77
15	8.9	9.5	e14	e15	e16	37	381	129	139	122	59	76
16	9.4	9.5	e14	e13	e18	35	291	130	138	122	60	77
17	9.7	9.5	e13	e15	e20	33	249	118	138	122	61	77
18	9.7	9.6	e12	e17	e19	30	214	127	185	151	e61	44
19	10	9.1	e12	e14	e17	30	199	130	201	147	64	30
20	12	9.4	e12	e12	e20	36	186	134	201	147	65	26
21	12	9.5	e12	e14	e22	61	180	166	208	148	67	22
22	12	18	e10	e15	e23	96	178	173	201	150	67	19
23	12	16	e10	e17	e25	95	184	142	193	149	68	19
24	12	12	e10	e16	e24	73	183	121	182	148	71	19
25	12	13	e10	e15	e23	62	188	108	180	140	69	18
26	12	13	e10	e14	e21	69	215	100	183	121	70	18
27	12	e13	e10	e14	e20	110	226	90	193	134	71	18
28	13	e11	e10	e13	e20	150	208	82	187	139	71	18
29	14	e10	e10	e12	---	168	202	100	178	140	71	19
30	16	e10	e10	e12	---	172	220	209	174	138	75	19
31	17	---	e12	e11	---	195	---	224	---	142	75	---
TOTAL	328.5	371.1	359	471	496	1831	7255	5454	5722	4164	2471	1584
MEAN	10.60	12.37	11.58	15.19	17.71	59.06	241.8	175.9	190.7	134.3	79.71	52.80
MAX	17	18	14	27	25	195	381	296	285	165	146	81
MIN	8.1	9.1	10	10	11	15	178	82	138	121	59	18
AC-FT	652	736	712	934	984	3630	14390	10820	11350	8260	4900	3140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2002, BY WATER YEAR (WY)

MEAN	21.63	20.52	21.19	21.68	32.82	115.8	173.7	262.3	169.2	94.87	75.45	47.48
MAX	48.1	31.5	33.9	39.9	113	364	295	617	327	142	127	95.5
(WY)	1999	1995	1999	1995	1995	1993	1993	1998	1998	1998	1999	1998
MIN	7.49	12.4	11.6	7.96	14.0	32.9	35.0	62.2	27.2	2.06	2.72	5.07
(WY)	1993	2002	2002	2001	1998	1992	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1991 - 2002	
ANNUAL TOTAL	21024.4		30506.6			
ANNUAL MEAN	57.60		83.58		89.32	
HIGHEST ANNUAL MEAN					143	1998
LOWEST ANNUAL MEAN					21.7	1992
HIGHEST DAILY MEAN	238	Jun 12	381	Apr 15	1260	Mar 18 1993
LOWEST DAILY MEAN	7.5	Jan 28	8.1	Oct 13	0.42	Aug 4 1992
ANNUAL SEVEN-DAY MINIMUM	7.5	Jan 25	8.7	Oct 9	0.72	Jul 29 1992
MAXIMUM PEAK FLOW			420	Apr 15	1850	Mar 17 1993
MAXIMUM PEAK STAGE			5.72	Apr 15	9.81	Mar 17 1993
ANNUAL RUNOFF (AC-FT)	41700		60510		64710	
10 PERCENT EXCEEDS	164		208		209	
50 PERCENT EXCEEDS	24		59		42	
90 PERCENT EXCEEDS	8.9		10		12	

e Estimated

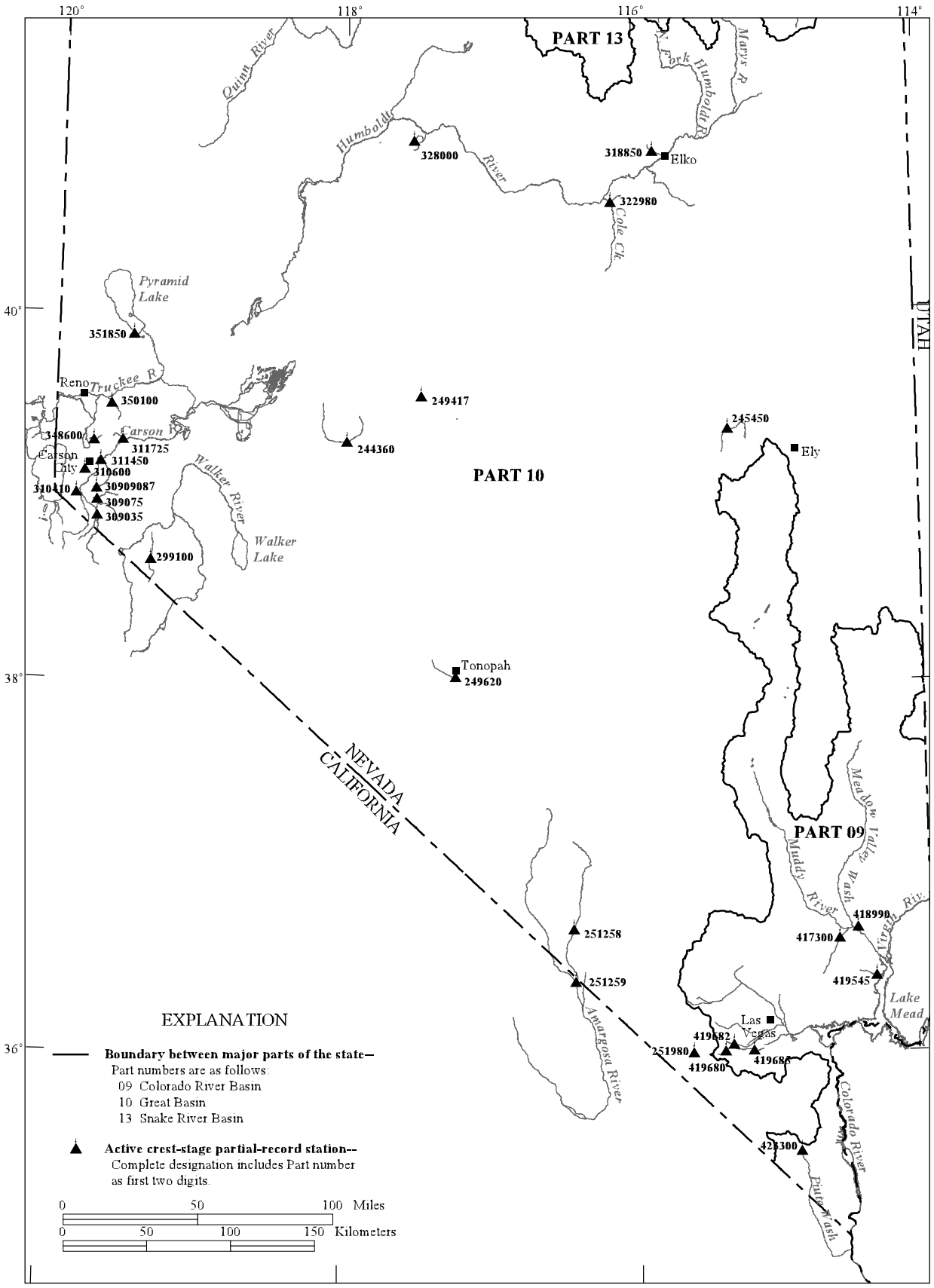

Figure 28. Crest-stage partial-record stations listed in this report.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CREST-STAGE PARTIAL-RECORD STATIONS

The following table contains annual maximum discharges at crest-stage stations during water year 2002. A crest-stage gage is a device that registers the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharges determined on the basis of current-meter or indirect measurements. The date of maximum discharge, which is usually determined by comparison with data for nearby continuous-record stations, weather records, or by local inquiry, is not published herein. "Period of record" indicates the water years for which the annual maximums have been determined. The following sites are shown in figure 28

Station Name and Number	Location and Drainage Area	Period of Record (water year)	2002 Measurements			Period of Record Maximum		
			Date	Gage Height (feet)	Discharge (ft^3/s)	Date	Gage Height (feet)	Discharge (ft^3/s)
		Colorado River Basin						
California Wash near Moapa, NV (09417300)	Lat 36°36'37", long 114°39'37", in $SE^1/_4SE^1/_4$ sec.24, T.12 S., R.65 E., Clark County, Hydrologic Unit 15010012, 1.6 mi northwest of Byron Interchange on Interstate Highway 15. Drainage area is about 35 mi^2.	1981, 1987-2002	--	--	*	8-10-81	--	30,600
Weiser Wash near Glendale, NV (09418990)	Lat 36°40'05", long 114°31'10", in $SW^1/_4SE^1/_4$ sec.31, T.14 S., R.67 E., Clark County, Hydrologic Unit 15010012, at culvert on Interstate Highway 15, about 2 mi east of Glendale at milemarker 93. Drainage area is 43 mi^2.	1966-81, 1984, 1990, 1998, 1999-2002	--	--	*	8-29-00	21.02	6,100
Valley of Fire Wash near Overton, NV (09419545)	Lat 36°24'18", long 114°25'05", in $SE^1/_4SW^1/_4$ sec.32, T.17 S., R.68 E., Clark County, Hydrologic Unit 15010005, on Northshore Road, 1.1 mi west of Fire Bay. Drainage area is about 28 mi^2.	1984, 1987-2002	07-17-02	44.57	315	8-10-81	--	20,800
Cottonwood Valley near Blue Diamond, NV (09419680)	Lat 36°00'35", long 115°25'50", in $NE^1/_4NW^1/_4$ sec.25, T.22 S., R.58 E., Clark County, Hydrologic Unit 15010015, at culverts on Cottonwood Valley Road, 3 mi southwest of Blue Diamond. Drainage area is 18.3 mi^2.	1961-2002	--	--	*	1-25-69	8.53	1,100
Oak Creek Wash near Blue Diamond, NV (09419682)	Lat 36°02'41", long 115°22'38", in $SW^1/_4SW^1/_4$ sec.9, T.22 S., R.59 E., Clark County, Hydrologic Unit 15010015, on Blue Diamond Boulevard, 1.4 mi east of Blue Diamond. Drainage area is 27.5 mi^2.	1969, 1987-2002	--	--	*	1-25-69	--	4,950
Bird Spring Wash near Arden, NV (09419685)	Lat 36°00'44", long 115°14'33", in $NW^1/_4NW^1/_4$ sec.26, T.22 S., R.60 E., Clark County, Hydrologic Unit 15010015, 0.5 mile southwest of Arden. Drainage area is 3.61 mi^2.	1987-2002	--	--	E1.0	7-08-99	44.38	40
Gypsum Wash at Northshore Rd nr Las Vegas Bay, NV (09419910)	Lat 36°08'42", long 114°51'53", in $SW^1/_4NE^1/_4$ sec.7, T.21 S., R.64 E., Clark County, Hydrologic Unit 15030005, 1.4 mile east of Lake Mead Blvd. on Northshore Rd. Drainage area is 100.8 mi^2.	1984, 1998, 2000-02	--	--	*	9-11-98	100.17	17,000
Piute Wash tributary near Searchlight, NV (09423300)	Lat 35°28'00", long 114°56'20", in $SE^1/_4NE^1/_4$ sec.33, T.28 S., R.63 E., Clark County, Hydrologic Unit 15030102, at culvert on State Highway 164, 1.1 mile west of Searchlight, NV. Drainage area is approximately 3.4 mi^2.	1967-82, 1984, 1987-90, 1998-2002	10-07-01	4.24	E16	9-11-98	E21	600

CREST-STAGE PARTIAL-RECORD STATIONS-Continued

Station Name and Number	Location and Drainage Area	Period of Record (water year)	2002 Measurements			Period of Record Maximum		
			Date	Gage Height (feet)	Discharge (ft^3/s)	Date	Gage Height (feet)	Discharge (ft^3/s)
Central Region								
Dixie Valley tributary near Eastgate, NV (10244360)	Lat 39°17'30", long 117°59'00", in $SE^1/_4$ sec.36, T.17 N., R.35 E., Churchill County, Hydrologic Unit 16060001, at culvert on U.S. Highway 50, and 6 mi west of Eastgate. Drainage area is approximately 11 mi^2.	1961-2002	07-29-02	3.85	0.14	8-61	15.00	1,480
Illipah Creek near Hamilton, NV (10245445)	Lat 39°19'07", long 115°23'39", in $NE^1/_4NW^1/_4$ sec.25, T.16 S., R.58 E., White Pine County, Hydrologic Unit 16060007, in Humboldt National Forest, 6.7 mi northeast of Hamilton. Drainage area is 31.5 mi^2.	1983-87+, 1999-2002	02-07-02 03-20-02	1.84 1.23	12 1.0	8-22-84	6.05	446
Smith Creek Valley tributary near Austin, NV (10249417)	Lat 39°32'21", long 117°28'26", in $NE^1/_4SE^1/_4$ sec.4, T.19 N., R.40 E., Lander County, Hydrologic Unit 16060002, at culvert on U.S. Highway 50, and 22 mi west of Austin. Drainage area is approximately 0.62 mi^2.	1968-79, 1981-82, 1984, 1988, 1993-2002	--	--	*	7-84	--	130
Big Smokey Valley tributary near Tonopah, NV (10249620)	Lat 38°01'52", long 117°13'52", in $SW^1/_4NE^1/_4$ sec.14, T.2 N.,R.42 E., Esmeralda County, Hydrologic Unit 16060003, at culvert on U.S. Highway 95, and 2.5 mi south of Tonopah. Drainage area is approximately 2.39 mi^2.	1961-81, 1988-89, 1999-2000	--	--	*	1961	--	10
Lovell Wash near Blue Diamond, NV (10251980)	Lat 36°00'10", long 115°38'38", in $NE^1/_4SW^1/_4$ sec.25, T.22 S., R.56 E. Clark County, Hydrologic Unit 16060015, 13.7 mi west of Blue Diamond and 24 mi southeast of Pahrump. Drainage area is 52.8 mi^2.	1966-68, 1969-77+, 1978-81, 1987, 1999-2002	--	--	*	1-25-69	6.90	4,150
Amargosa River Basin								
Fortymile Wash near Amargosa Valley, NV (10251258)	Lat 36°40'18", long 116°26'03", in $SW^1/_4SW^1/_4$ sec.2, T.15 S., R.49 E., Nye County, Hydrologic Unit 18090202, Nevada Test site, on left bank, 3 mi northwest of intersection of US Highway 95 and State Highway 373. Drainage area is 316 mi^2.	1969, 1983-97+, 1998-2002	--	--	*	7-22-84	7.10	1,430
Amargosa River at Highway 127 near CA-NV Stateline, CA (10251259)	Lat 36°23'12", long 116°25'22", in $SW^1/_4SE^1/_4$ sec.5, T.26 S., R.5 E., Inyo County, Hydrologic Unit 18090202, on right bank 75 feet upstream from State Highway 127, 1.6 mi south of California-Nevada Stateline. Drainage area is 1,542 mi^2.	1993, 1994-95+, 1998, 2000-02	07/17/02	*18.64	28	7-6-01	20.27	470

CREST-STAGE PARTIAL-RECORD STATIONS-Continued

Station Name and Number	Location and Drainage Area	Period of Record (water year)	2002 Measurements			Period of Record Maximum		
			Date	Gage Height (feet)	Discharge (ft^3/s)	Date	Gage Height (feet)	Discharge (ft^3/s)
Walker River Basin								
Desert Creek near Wellington, NV (10299100)	Lat 38°38'55", long 119°19'30", in $SW^1/_4SW^1/_4$ sec.8, T.9 S., R.24 E., Lyon County, Hydrologic Unit 16050302, 30 ft above diversion structure, 8 mi southeast of Wellington. Drainage area is 50.4 mi^2.	1964-80, 1997, 1999-2002	10-02-01 04-02-02 05-07-02 05-28-02 09-24-02	2.11 2.27 2.38 2.29 2.05	2.2 6.0 8.9 12.5 1.9	6-05-99	3.06	262
Carson River Basin								
Indian Creek above Mouth near Gardnerville, NV (10309035)	Lat 38°52'45", long 119°42'04", in $NW^1/_4NE^1/_4$ sec.26, T.12 N., R.20 E., Douglas County, Hydrologic Unit 16050201, 0.75 mi above confluence with East Fork Carson River, and 5.0 mi south of Gardnerville. Drainage area is 25.4 mi^2.	1994-98+, 1999-2002	11-07-01 04-05-02 05-16-02 07-31-02	0.40 0.59 0.94 0.54	0.20 1.5 6.0 0.07	3-10-95	7.13	1,800
Buckeye Wash at East Valley Road near Minden, NV (10309075)	Lat 38°57'53", long 119°42'13", in $SW^1/_4NE^1/_4$ sec.26, T.13 N., R.20 E., Douglas County, at culvert on East Valley Road 2.9 mi NE of Gardnerville. Hydrologic Unit 16050201. Drainage area is 73.8 mi^2.	1992, 1994-95, 1997-2002	--	--	*	7-14-92	--	E3,000
Johnson Wash at Fremont Drive near Minden, NV (1030909087)	Lat 39°01'31", long 119°42'13", in $NE^1/_4NW^1/_4$ sec.2, T.13 N., R.20 E., Douglas County, at culvert on Fremont Drive 6 mi NE of Gardnerville. Hydrologic Unit 16050201. Drainage area is 10.4 mi^2.	1991-97, 1999-2002	--	--	*	7-22-94	--	E1,400
Genoa Canyon Creek at Genoa, NV (10310410)	Lat 39°00'02", long 119°51'00", in $SE^1/_4SW^1/_4$ sec.9, T.13 N., R.19 E., Douglas County, Hydrologic Unit 16050201, 0.5 mi southwest of Genoa. Drainage area is 2.24 mi^2.	1997, 2000-02	10-23-01 04-02-02 09-26-02	9.98 10.05 9.93	1.1 2.1 0.69	1-01-97	--	E150
Voltaire Canyon Creek at Carson City, NV (10310600)	Lat 39°07'29", long 119°47'21", in $NE^1/_4NE^1/_4$ sec.36, T.15 N., R.19 E., Carson City, Hydrologic Unit 16050201, 1.2 miles west of Highway 395 at Carson City. Drainage area is about 1 mi^2.	1979, 1980, 1982, 1986, 1997, 2000-02	--	--	*	1-02-97	--	118
Brunswick Canyon near New Empire, NV (10311450)	Lat 39°10'20", long 119°41'10", in $NW^1/_4NE^1/_4$ sec.13, T.15 N., R.20 E., Carson City, Hydrologic Unit 16050202, 0.3 mile upstream from mouth, and 2.5 mi east of New Empire. Drainage area is 12.7 mi^2.	1966-78, 1980-2002	--	--	*	3-11-95	5.02	245
Sixmile Canyon Creek at Hwy 50 near Dayton, NV (10311725)	Lat 39°17'22", long 119°32'16", in $SE^1/_4SW^1/_4$ sec.32, T.17 N., R.22 E., Lyon County, Hydrologic Unit 16050202, about 4.9 mi east of Dayton. Drainage area is 17.29 mi^2.	1986, 1995, 1998-2002	07-18-02	9.56	E3.0	2-19-86	--	500

CREST-STAGE PARTIAL-RECORD STATIONS-Continued

Station Name and Number	Location and Drainage Area	Period of Record (water year)	2002 Measurements			Period of Record Maximum		
			Date	Gage Height (feet)	Discharge (ft^3/s)	Date	Gage Height (feet)	Discharge (ft^3/s)
Humboldt River Basin								
East Adobe Creek near Elko, NV (10318850)	Lat 40°51'27", long 115°51'13", in $SE^1/_4SE^1/_4$ sec.2, T.34 N., R.54 E., Elko County, Hydrologic Unit 16040101, at culvert on State Highway 225, 2.0 mi northwest of Elko. Drainage area is 6.0 mi^2.	1971, 1999-2002	04-08-02	9.88	1.5	7-27-71	--	71
Cole Creek near Palisade, NV (10322980)	Lat 40°35'05", long 116°08'55", in $SE^1/_4NE^1/_4$ sec.7, T.31 N., R.52 E., Eureka County, Hydrologic Unit 16040104, at culvert on State Highway 278, 3.2 mi southeast of Palisade. Drainage area is 11.4 mi^2.	1962-83, 1985-2002	08-14-02	1.59	#0.38	6-83	3.80	1,090
Pole Creek near Golconda, NV (10328000)	Lat 40°54'59", long 117°31'49", in $N^1/_4NE^1/_4$ sec.13, T.35 N., R.39 E., Humboldt County, Hydrologic Unit 16040108, 2.0 mi upstream from Devils Canyon, 3 mi southwest of interstate 80 and 4 mi southwest of Golconda. Drainage area is 10.7 mi^2.	1960-73+, 1999-2002	04-12-02 05-20-02	9.67 10.02	10.2 #22	8-5-61	--	E4,000
Pyramid and Winnemucca Lakes Basin								
Jumbo Wash near New Washoe City, NV (10348600)	Lat 39°16'58", long 119°44'16", in $SW^1/_4NE^1/_4$ sec.04, T.16N., R.20 E., Washoe County, Hydrologic Unit 16050102, 2 mi southeast of New Washoe City. Drainage area is 4.9 mi^2.	1986, 1991, 1999-2002	01-07-02 01-31-02 03-14-02 05-07-02 06-04-02	7.84 7.94 7.82 7.82 7.77	0.25 0.19 0.23 0.17 0.12	7-22-86	--	1,230
Long Valley Canyon Creek near Lockwood, NV (10350100)	Lat 39°30'04", long 119°38'42", in $NW^1/_4$ $NW^1/_4$ sec.21, T.19N., R.21E., Storey County, Hydrologic Unit 16050103, 0.75 mi south of U.S. Interstate 80. Drainage area is approximately 82 mi^2.	1956, 1967-78, 1986, 1995-2002	03-18-02 05-01-02	-- --	E<.1 0.05	2-19-86	97.54	5,400
Pyramid Lake tributary near Nixon, NV (10351850)	Lat 39°51'30", long 119°28'32", in $SW^1/_4SE^1/_4$ sec.14, T.23 N., R.22 E., Washoe County, Hydrologic Unit 16050103, at bridge on former Southern Pacific Railroad right-of-way, 6.5 mi west of Nixon. Drainage area is 1.94 mi^2.	1968-79, 1981-90, 1992-2002	--	--	*	2-19-86	3.87	E950

E Estimated
* No evidence of any flow during the water year
+ Operated as a continuous recording station
# Flow determined from rating curve

MISCELLANEOUS SITES

The following table contains discharge data for the sites that were measured during the water year.

Station name and number	Tributary to	Location and drainage area	Period of record (water years)	Measurements				
				Date	Discharge (ft^3/s)	Water Temperature	Specific Conductance	pH
Walker River Basin								
By Day Creek near Bridgeport, CA (10291750)	Buckeye Creek	Lat 38°16'08", long 119°18'10", in NW¼NW¼ sec.26, T.5 N., R.24 E., Mono County, Hydrologic Unit 16050301, about 1 mi southwest of Bridgeport Ranger Station, and about 4 mi northwest of Bridgeport.	1995-2002	10-16-01	.22			
				11-30-01	.26			
				01-09-02	.35			
				02-20-02	.37			
				04-03-02	1.0			
				05-15-02	1.1			
				06-26-02	.32			
				07-30-02	.06			
				09-17-02	.08			
Murphy Creek above East Walker River near Bridgeport, CA (10293015)	East Walker River	Lat 38°22'19", long 119°11'50", in NW¼SE¼ sec.14, T.6 N., R.25 E., Mono County, Hydrologic Unit 16050301, 3.5 mi north of Bridgeport Reservoir Dam, and about 8 mi north of Bridgeport.	1995-2002	10-16-01	.60			
				11-29-01	1.1			
				01-09-02	1.2			
				02-19-02	1.1			
				04-04-02	2.1			
				05-15-02	2.0			
				06-25-02	.92			
				07-30-02	.41			
				09-18-02	.27			
Mill Canyon Creek above Lost Cannon Creek near Walker, CA (10296580)	West Walker River	Lat 38°29'12", long 119°29'01", in SE¼NE¼ sec.6, T.7 N., R23 E., Mono County, Hydrologic Unit 16050302, in Mill Canyon, about 0.5 mi upstream from Lost Cannon Creek, and about 2 mi southwest of Walker.	1995-2002	10-16-01	.79			
				11-27-01	.60			
				01-08-02	1.2			
				02-19-02	.95			
				04-02-02	2.4			
				05-14-02	3.1			
				07-01-02	.62			
				08-02-02	.67			
				09-16-02	.20			
Walker River at East Bridge Street near Yerington, NV (10301100)	Walker Lake	Lat 38°58'58", long 119°10'52", in NE¼NE¼ sec.21, T.13 N., R.25 E., Lyon County, Hydrologic Unit 16050303, at Bridge Street, 0.8 mi west of Yerington.	1995-2002	11-08-01	50			
				12-18-01	51			
				01-29-02	50			
				03-15-02	104			
				04-24-02	204			
				06-05-02	267			
				07-16-02	105			
				08-26-02	87			
Walker River at Point Site below Weber Reservoir near Schurz, NV (10301720)	Walker Lake	Lat 39°02'02", long 118°51'41", in SW¼NW¼ sec.33, T.14 N., R.28 E., Mineral County, Hydrologic Unit 16050303, 0.6 mi south of Weber Reservoir, and 6.3 mi northwest of Schurz.	1994-2002	10-03-01	.44			
				11-08-01	.13			
				04-30-02	68			
				05-14-02	44			
				05-29-02	71			
				06-12-02	28			
				06-25-02	1.5			
				07-09-02	54			
				07-24-02	5.1			
				08-08-02	.66			
				08-19-02	.41			
				09-04-02	21			
				09-17-02	.43			
Walker River at Powerline Crossing near Schurz, NV (10302005)	Walker Lake	Lat 38°53'41", long 118°46'54", in NW¼NE¼ sec.19, T.12 N., R.29 E., Mineral County, Hydrologic Unit 16050303, 0.9 mi east of U.S. Highway 95, and 4.3 mi southeast of Schurz.	1994-2002	10-04-01	.13		576	7.8
				11-05-01	.40	23.0	543	7.5
				05-02-02	.23	20.5	579	7.9
				05-13-02	.13	25.0	578	8.0
				05-31-02	.07	21.5	606	8.0
				06-12-02	.04	26.5	568	7.2
				06-26-02	.02	31.0	592	7.3
				07-10-02	.02	26.0	601	6.9
				07-24-02	.01	28.0	684	7.2
				08-20-02	.01	29.0	781	7.4
Walker River near mouth at Walker Lake, NV (10302025)	Walker Lake	Lat 38°47'28", long 118°43'34", in SE¼SE¼ sec.29, T.11 N., R.29 E., Mineral County, Hydrologic Unit 16050303, 1.5 mi southeast of Pelican Point, and about 10 mi northeast of Walker Lake.	1994-2002	11-05-01	.12	21.0	1310	8.3
				05-01-02	1.4	18.0	1290	8.9
				05-13-02	.79	32.0	1410	8.7
				05-30-02	.11	38.0	1460	8.8

MISCELLANEOUS SITES

Station name and number	Tributary to	Location and drainage area	Period of record (water years)	Measurements	
				Date	Discharge (ft^3/s)
Carson River Basin					
Aspen Creek above Leviathan Creek, near Markleeville, CA (103087898)	East Fork Carson River	Lat 38°42'02", long 119°39'30", in NE 1/4 NW 1/4 sec.15, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, 3.2 mi north of Highway 89 and 6.5 mi east of Markleeville	1999-2002	10-29-01 11-30-01 12-18-01 01-24-02 02-28-02 03-19-02 04-02-02 04-29-02 05-28-02 06-27-02 07-26-02 08-27-02 09-30-02	0.18 .23 e.27 .30 .25 .40 .74 .37 .33 .11 .12 .13 .10
Jobs Canyon Creek near Minden, NV (10310360)	West Fork Carson River	Lat 38°53'26", long 119°50'20", in $SW^1/_4NW^1/_4$ sec.22, T.12 N. R.19 E., Douglas County, Hydrologic Unit 16050201, 3.6 mi southwest of Centerville. Drainage area is 2.97 mi^2.	1976, 1981-83, 1989-2002	05-03-02 08-09-02 09-30-02	1.3 1.3 1.2
Stutler Canyon Creek near Minden, NV (10310375)	West Fork Carson River	Lat 38°54'35", long 119°50'32", in $NW^1/_4NW^1/_4$ sec.15, T.12 N., R.19 E., Douglas County, Hydrologic Unit 16050201, 5.3 mi southwest of Minden.	1997-2002	05-03-02 08-09-02 09-30-02	.39 .26 .38
Monument Creek near Minden, NV (10310380)	West Fork Carson River	Lat 38°55'03", long 119°50'44", in $NE^1/_4SE^1/_4$ sec.9, T.12 N., R.19 E., Douglas County, Hydrologic Unit 16050201, above diversion structure and 5.0 mi southwest of Minden.	1997-2002	05-02-02 08-09-02 09-30-02	2.3 2.2 2.3
James Canyon Creek near Genoa, NV (10310425)	West Fork Carson River	Lat 39°03'07", long 119°50'25", in $NW^1/_4NE^1/_4$ sec.27, T.14 N., R.19 E., Douglas County, Hydrologic Unit 16050201, 3.3 mi north of Genoa.	1997-2002	05-02-02 08-08-02 09-30-02	.76 .31 .34
Water Canyon near Genoa, NV (10310430)	Carson River	Lat 39°04'17", long 119°50'52", in $SW^1/_4SE^1/_4$ sec.16, T.14 N., R.19 E., Douglas County, Hydrologic Unit 16050201, 1.5 mi upstream from Foothill Road and about 4.5 mi north of Genoa.	1996-2002	05-03-02 08-08-02 09-30-02	1.6 .86 .93
Vicee Canyon Creek near Sagebrush Ranch near Carson City, NV (10311260)	Carson River	Lat 39°11'02", long 119°48'18", in $NW^1/_4NW^1/_4$ sec.12, T.15 N., R.19 E., Carson City, Hydrologic Unit 16050201, 0.7 mi southwest of intersection of West Ormsby Boulevard and Combs Canyon Road.	1984-85 1989-97+ 1998-2002	11-26-01 01-07-02 02-11-02 04-01-02 05-17-02	.07 .06 .06 .15 .05
Carson River at Dayton, NV (10311700)	Carson River	Lat 39°14'16", long 119°35'14", in $NE^1/_4SE^1/_4$ sec.23, T.16 N., R.21 E., Lyon County, Hydrologic Unit 16050202, on left bank, 400 ft downstream of Dayton Valley Road bridge and 52.8 mi upstream from Lahontan Reservoir.	1994-97+, 1998, 2002	11-26-01 01-07-02 02-13-02 02-27-02 04-11-02 05-22-02 05-31-02 06-24-02 08-15-02	199 235 142 205 608 714 883 153 1.3
Pyramid and Winnemucca Lakes Basin					
McCrays Canyon near Carson City, NV (10348480)	Franktown Creek	Lat 39°12'13", long 119°52'48", in $SW^1/_4SW^1/_4$ sec.32, T.16 N., R.19 E., Washoe County, Hydrologic Unit 16050101, 0.5 mi upstream from mouth, and 6.5 mi northwest of Carson City.	1974-81, 1985-92, 1994-2002	10-09-01 04-22-02 07-22-02 08-29-02	.05 .09 .20 .09
Truckee River at Marble Bluff Dam, NV (10351775)	Truckee River	Lat 39°51'20", long 119°23'32", in $NW^1/_4NW^1/_4$ sec.22, T.23 N., R.23 E., Washoe County, Hydrologic Unit 16050101, in Pyramid Lake Indian Reservation, on right bank of inflow to Pyramid Lake, 9.42 mi downstream from Nixon gage, and 3 mi northwest of Nixon, NV.	1991-96, 2002	11-30-01 01-09-02	54 402

+ Operated as a continuous recording station
e Estimated