

WALKER RIVER BASIN, WALKER LAKE
10288500 WALKER LAKE NEAR HAWTHORNE, NV

LOCATION.--Lat 38°40'36", long 118°46'16" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 27, T.10 N., R.29 E., Mineral County, Hydrologic Unit 16050304, 14.5 mi northwest of Hawthorne.

DRAINAGE AREA.--4,050 mi², approximately.

PERIOD OF RECORD.--August 1928 to current year. Occasional readings prior to August 1928.

GAGE.--Nonrecording gage. Datum of gage is above National Geodetic Vertical Datum of 1929 (U.S. Coast and Geodetic Survey bench mark at U.S. Army Depot). Prior to December 6, 1978, at site 5.5 mi northwest of Hawthorne, at same datum.

REMARKS.--Elevations determined from reference points referred to U.S.C.G.S. bench mark. Elevations are given to the nearest 0.1 ft and contents to four significant figures in order to reflect trends of change. Any single observation, however, may be affected by wind and seiche movements of the lake surface. [See schematic diagram of Walker River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed 6,955,000 acre-ft, March 13, 1928, elevation 4,051.8 ft, U.S. Bureau of Indian Affairs; minimum observed 1,814,000 acre-ft, August 30, 2004, elevation 3,936.2 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--An elevation of 4,078.0 ft, adjustment of 1912, was observed September 27, 1908, by U.S. Geological Survey (contents 8,622,000 acre-ft, table now in use). An elevation of about 4,083 ft for 1882 is estimated by Rush (U.S. Geological Survey Hydrologic Investigations Atlas HA-415, 1970), on the basis of bathymetric data.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 1,898,000 acre-ft, October 30, 2003 elevation 3,938.8 ft; minimum observed, 1,814,000 acre-ft, August 30, 2004, elevation 3,936.2 ft.

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND TOTAL CONTENTS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30.....	3,939.2	1,911,000	--
October 31.....	3,938.8	1,898,000	-13,000
November 30.....	3,938.3	1,882,000	-16,000
December 31.....	3,938.0	1,872,000	-10,000
CALENDAR YEAR 2003.....	--	--	-134,000
January 31.....	3,937.9	1,869,000	-3,000
February 29.....	3,938.0	1,872,000	+3,000
March 31.....	3,937.9	1,869,000	-3,000
April 30.....	3,937.7	1,862,000	-7,000
May 31.....	3,937.3	1,850,000	-12,000
June 30.....	3,936.9	1,837,000	-13,000
July 31.....	3,936.4	1,821,000	-16,000
August 31.....	3,936.1	1,811,000	-10,000
September 30.....	3,935.2	1,782,000	-29,000
WATER YEAR 2004.....	--	--	-129,000

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

WALKER RIVER BASIN, EAST WALKER RIVER BASIN
10290300 UPPER TWIN LAKE NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°09'15", long 119°20'58" referenced to North American Datum of 1927, Mono County, Hydrologic Unit 16050301, in Toiyabe National Forest, at outlet of upper lake dam on Robinson Creek, and 10 mi southwest of Bridgeport.

DRAINAGE AREA.--29.5 mi².

PERIOD OF RECORD.--December 1961 to February 1964, September 1964 to current year.

GAGE.--Non-recording gage. Datum of gage is 7,212.86 ft above NGVD of 1929 (project datum of U.S. Indian Irrigation Service).

REMARKS.--Contents regulated by dam outlet. Figures given herein represent usable contents. Usable contents, 2,070 acre-ft between elevations 7,200 ft, natural rim, and 7,207 ft, spillway crest. [See schematic diagram of Walker River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 2,990 acre-ft, July 7, 1983, elevation, 7,209.85 ft; minimum observed, 30 acre-ft, November 1, 1990, elevation, 7,200.11 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--No usable contents observed October 17, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 2,580 acre-ft, June 3, elevation, 7,208.59 ft; minimum observed, 1,150 acre-ft, September 14, elevation, 7,204.05 ft.

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND TOTAL CONTENTS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30.....	7,204.77	1,370	--
October 31.....	7,205.06	1,460	+90
November 30.....	7,205.58	1,620	+160
December 31.....	7,207.27	2,160	+540
CALENDAR YEAR 2003.....	--	--	-30
January 31.....	7,207.04	2,080	-80
February 29.....	7,207.10	2,100	+20
March 31.....	7,207.64	2,270	+170
April 30.....	7,208.30	2,490	+220
May 31.....	7,208.56	2,570	+80
June 30.....	7,208.15	2,440	-130
July 31.....	7,207.61	2,260	-180
August 31.....	7,204.94	1,420	-840
September 30.....	7,204.40	1,250	-170
WATER YEAR 2004.....	--	--	-120

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

WALKER RIVER BASIN, EAST WALKER RIVER BASIN
10290400 LOWER TWIN LAKE NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°10'05", long 119°19'33" referenced to North American Datum of 1927, Mono County, Hydrologic Unit 16050301, in Toiyabe National Forest, at outlet of lower lake dam on Robinson Creek, and 8 mi southwest of Bridgeport.

DRAINAGE AREA.--38.9 mi².

PERIOD OF RECORD.--December 1961 to current year.

GAGE.--Non-recording gage. Datum of gage is 7,205.45 ft above NGVD of 1929 (project datum of U.S. Indian Irrigation Service).

REMARKS.--Contents regulated by dam at outlet and by Upper Twin Lake. Figures given herein represent usable contents. Usable contents, 4,010 acre-ft between elevations 7,190 ft, natural rim, and 7,200 ft, spillway crest. One transarea diversion out of Tamarack Creek into Summers Creek. [See schematic diagram of Walker River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 5,560 acre-ft, June 19, 1983, elevation, 7,203.58 ft; no contents, November 17, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed 4,830 acre-ft, June 3, elevation, 7,201.93 ft; minimum observed, 2,680 acre-ft, October 1, elevation 7,196.71 ft.

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND TOTAL CONTENTS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30.....	7,196.72	2,690	--
October 31.....	7,196.80	2,720	+30
November 30.....	7,197.51	3,000	+280
December 31.....	7,199.36	3,750	+750
CALENDAR YEAR 2003.....	--	--	-400
January 31.....	7,200.25	4,120	+370
February 29.....	7,200.62	4,270	+150
March 31.....	7,200.85	4,370	+100
April 30.....	7,201.53	4,660	+290
May 31.....	7,201.90	4,820	+160
June 30.....	7,201.66	4,710	-110
July 31.....	7,200.68	4,300	-410
August 31.....	7,196.92	2,770	-1,530
September 30.....	7,197.07	2,830	+60
WATER YEAR 2004.....	--	--	+140

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

WALKER RIVER BASIN, EAST WALKER RIVER BASIN

10290500 ROBINSON CREEK AT TWIN LAKES OUTLET NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°10'20", long 119°19'25" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 28, T.04 N., R.24 E., Mono County, Hydrologic Unit 16050301, on left bank, 0.2 mi downstream from Lower Twin Lake, and 8 mi southwest of Bridgeport.

DRAINAGE AREA.--39.1 mi².

PERIOD OF RECORD.--October 1953 to September 1975, May 1992 to September 1994 (irrigation season only), October 1994 to current year.

REVISIONS.--WSP 1927: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,050 ft. above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Upper and Lower Twin Lakes. [See schematic diagram of Walker River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,170 ft³/s, January 3, 1997, gage height, 5.44 ft; no flow many days, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 183 ft³/s, June 7, 8, gage height, 2.96 ft; minimum daily discharge, 1.9 ft³/s, December 17, 18, 19, 20, 21.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	6.0	3.2	3.7	16	24	43	67	141	115	60	34
2	12	6.0	3.1	3.7	16	24	43	72	142	108	73	34
3	12	6.0	3.0	3.6	22	24	43	80	148	103	74	31
4	12	6.0	3.0	3.4	21	23	43	92	158	101	79	26
5	12	6.0	3.0	3.4	20	22	44	108	167	100	84	24
6	12	6.0	3.0	3.2	19	21	46	123	174	102	88	24
7	12	6.0	2.8	3.2	19	21	47	133	179	105	88	20
8	12	6.0	2.7	3.2	18	21	49	133	179	105	88	19
9	11	6.3	2.7	3.2	17	20	50	129	172	107	87	19
10	8.2	6.2	2.6	5.3	17	20	51	128	157	106	86	18
11	7.2	6.4	2.6	7.3	17	20	53	124	141	103	85	17
12	6.7	6.4	e2.6	9.1	16	20	54	118	129	97	86	16
13	6.6	6.2	e2.5	11	16	20	56	111	124	92	86	15
14	6.2	5.8	e2.3	12	15	21	56	105	128	89	83	14
15	5.4	5.7	e2.2	13	15	21	56	102	140	87	67	14
16	5.1	5.7	e2.0	14	15	22	56	100	153	86	55	14
17	5.0	5.7	e1.9	14	19	23	54	101	160	86	55	13
18	4.8	5.7	e1.9	15	24	24	52	103	164	87	60	10
19	4.6	5.5	e1.9	15	23	24	50	104	164	86	61	9.4
20	4.6	4.8	e1.9	16	23	25	48	106	159	83	60	8.6
21	4.6	4.3	e1.9	16	23	27	48	106	153	82	61	7.5
22	4.6	4.0	e2.0	16	23	29	42	105	149	81	60	6.3
23	4.5	4.0	e2.0	16	23	33	40	103	146	80	54	6.0
24	4.3	3.9	e2.0	16	22	37	39	101	146	77	53	6.1
25	4.1	3.7	e2.1	16	22	41	39	101	146	73	47	5.8
26	4.0	3.6	e2.1	16	29	44	41	102	145	70	40	5.7
27	4.0	3.5	e4.7	15	28	43	44	104	143	69	36	5.7
28	3.8	3.5	4.0	14	26	43	49	117	139	73	36	5.5
29	3.7	3.3	4.0	15	25	43	55	138	131	74	35	5.4
30	5.9	3.2	4.0	12	---	43	61	147	123	67	34	7.0
31	7.6	---	4.0	17	---	43	---	143	---	63	34	---
TOTAL	222.5	155.4	83.7	331.3	589	866	1,452	3,406	4,500	2,757	1,995	441.0
MEAN	7.18	5.18	2.70	10.7	20.3	27.9	48.4	110	150	88.9	64.4	14.7
MAX	12	6.4	4.7	17	29	44	61	147	179	115	88	34
MIN	3.7	3.2	1.9	3.2	15	20	39	67	123	63	34	5.4
AC-FT	441	308	166	657	1,170	1,720	2,880	6,760	8,930	5,470	3,960	875

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2004, BY WATER YEAR (WY)

MEAN	20.5	9.01	7.43	16.3	16.8	17.7	45.3	108	189	157	93.6	47.5
MAX	42.4	30.9	36.1	166	63.4	44.8	79.4	187	349	400	199	89.0
(WY)	(1999)	(1999)	(1997)	(1997)	(1963)	(1997)	(1959)	(1997)	(1969)	(1995)	(1995)	(1974)
MIN	7.00	0.67	0.00	0.00	0.00	0.00	22.3	59.1	68.2	62.0	35.1	12.6
(WY)	(1995)	(1958)	(1954)	(1954)	(1954)	(1955)	(1975)	(1955)	(1992)	(1992)	(1992)	(2002)

WALKER RIVER BASIN, EAST WALKER RIVER BASIN

10290500 ROBINSON CREEK AT TWIN LAKES OUTLET NEAR BRIDGEPORT, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1954 - 2004	
ANNUAL TOTAL	18,422.6		16,798.9			
ANNUAL MEAN	50.5		45.9		62.2	
HIGHEST ANNUAL MEAN					100	1995
LOWEST ANNUAL MEAN					33.8	1961
HIGHEST DAILY MEAN	329	Jun 1	179	Jun 7	998	Jan 3, 1997
LOWEST DAILY MEAN	1.9	Dec 17	1.9	Dec 17	0.00	Nov 3, 1953
ANNUAL SEVEN-DAY MINIMUM	1.9	Dec 16	1.9	Dec 16	0.00	Nov 3, 1953
MAXIMUM PEAK FLOW			183	Jun 7	1,170	Jan 3, 1997
MAXIMUM PEAK STAGE			2.96	Jun 7	5.44	Jan 3, 1997
ANNUAL RUNOFF (AC-FT)	36,540		33,320		45,090	
10 PERCENT EXCEEDS	117		124		159	
50 PERCENT EXCEEDS	16		23		28	
90 PERCENT EXCEEDS	4.0		3.6		0.70	

e Estimated

WALKER RIVER BASIN, EAST WALKER RIVER BASIN

10291500 BUCKEYE CREEK NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°14'20", long 119°19'30" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 04, T.04 N., R.24 E., Mono County, Hydrologic Unit 16050301, in Toiyabe National Forest, on right bank at Buckeye Hot Springs, 0.6 mi downstream from Eagle Creek, and about 5.5 mi southwest of Bridgeport.

PERIOD OF RECORD.--November 1910 to September 1914 (fragmentary), October 1953 to September 1979, October 1995 to current year.

REVISIONS.--WSP 1927: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,900 ft above National Geodetic Vertical Datum of 1929, from topographic map. November 1910 to September 1914, non-recording gage at site 0.5 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. No regulation or diversion above station. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,750 ft³/s, January 02, 1997; gage height, 7.49 ft.; minimum daily, 4.5 ft³/s, January 12, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 21, 1911, reached an observed stage of 4.8 ft., discharge not determined, site and datum then in use.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
March 23	0115	101	2.31	May 28	1145	*233	*2.83
May 5	0100	204	2.74	July 6	0100	118	2.40

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	14	13	e18	16	20	64	111	147	82	29	15
2	14	14	13	e18	16	17	55	126	155	81	28	15
3	14	14	13	e18	e15	16	53	152	167	77	27	16
4	14	e14	13	e18	e15	15	60	168	168	78	26	16
5	14	e14	22	e18	e15	16	79	174	165	81	25	16
6	14	14	26	e18	e15	17	83	159	170	96	23	16
7	14	14	20	e18	e15	18	74	139	173	84	23	15
8	13	14	16	e18	e15	20	74	130	153	81	22	15
9	13	e14	e16	e18	e15	23	77	135	131	77	21	14
10	14	15	e17	18	e15	29	83	134	113	73	20	14
11	14	e15	18	17	e15	29	82	109	113	67	20	13
12	13	e15	e18	16	e16	32	86	102	117	63	20	13
13	14	15	e18	16	e18	34	91	106	129	62	23	13
14	13	15	19	16	e20	38	78	114	146	61	26	13
15	13	15	e19	17	23	47	73	120	148	56	24	14
16	13	14	e19	19	25	50	68	123	148	56	24	14
17	13	15	e18	20	24	50	62	127	141	55	22	14
18	13	15	e18	18	20	57	57	125	137	55	21	14
19	13	15	e18	17	19	68	54	117	129	53	22	15
20	13	15	19	17	18	71	52	119	124	50	22	16
21	13	14	17	17	18	80	50	116	120	47	22	16
22	13	12	e17	e17	17	86	50	113	117	47	21	15
23	13	e13	18	e18	17	90	50	115	122	45	20	15
24	13	e14	21	e18	16	82	55	115	121	41	20	14
25	13	15	20	18	17	73	67	118	115	40	19	14
26	13	15	19	e17	15	63	84	114	113	38	18	14
27	13	e15	e19	17	17	56	105	129	108	36	19	13
28	13	15	e19	16	19	55	119	193	101	34	18	13
29	13	15	e19	16	20	59	112	145	93	32	17	14
30	12	14	e19	16	---	66	103	134	87	31	16	14
31	12	---	e18	16	---	66	---	145	---	30	16	---
TOTAL	411	432	559	539	506	1,443	2,200	4,027	3,971	1,809	674	433
MEAN	13.3	14.4	18.0	17.4	17.4	46.5	73.3	130	132	58.4	21.7	14.4
MAX	14	15	26	20	25	90	119	193	173	96	29	16
MIN	12	12	13	16	15	15	50	102	87	30	16	13
AC-FT	815	857	1,110	1,070	1,000	2,860	4,360	7,990	7,880	3,590	1,340	859

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2004, BY WATER YEAR (WY)

	22.2	21.6	21.5	23.6	21.2	26.3	52.0	140	200	123	49.4	28.3
MEAN	41.4	44.4	52.2	158	55.8	70.6	115	322	432	399	115	65.6
(WY)	(1957)	(1974)	(1965)	(1997)	(1997)	(1997)	(1997)	(1969)	(1911)	(1911)	(1967)	(1911)
MIN	7.43	11.6	10.2	10.2	10.2	11.7	22.3	32.2	43.4	18.8	9.76	7.55
(WY)	(1978)	(1962)	(1978)	(1960)	(1977)	(1977)	(1967)	(1977)	(1976)	(1977)	(1977)	(1977)

WALKER RIVER BASIN, EAST WALKER RIVER BASIN
10291500 BUCKEYE CREEK NEAR BRIDGEPORT, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1911 - 2004	
ANNUAL TOTAL	17,019		17,004			
ANNUAL MEAN	46.6		46.5		59.5	
HIGHEST ANNUAL MEAN					114	1969
LOWEST ANNUAL MEAN					19.5	1977
HIGHEST DAILY MEAN	298	May 30	193	May 28	1,050	Jan 2, 1997
LOWEST DAILY MEAN	12	Jan 11	12	Oct 30	4.5	Jan 12, 1963
ANNUAL SEVEN-DAY MINIMUM	13	Jan 8	13	Oct 25	5.5	Jan 11, 1963
MAXIMUM PEAK FLOW			233	May 28	2,750	Jan 2, 1997
MAXIMUM PEAK STAGE			2.83	May 28	7.49	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	33,760		33,730		43,120	
10 PERCENT EXCEEDS	120		120		162	
50 PERCENT EXCEEDS	20		20		27	
90 PERCENT EXCEEDS	14		14		13	

e Estimated

WALKER RIVER BASIN, EAST WALKER RIVER BASIN
10292500 BRIDGEPORT RESERVOIR NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°19'30", long 119°12'40" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec. 34, T.06 N., R.25 E., Mono County, Hydrologic Unit 16050301, in Toiyabe National Forest, at Bridgeport Dam on East Walker River, and 4.5 mi north of Bridgeport.

DRAINAGE AREA.--358 mi².

PERIOD OF RECORD.--March 1926 to current year. Month end contents only for some periods, published in WSP 1314.

REVISED RECORDS.--WSP 1180: 1949. WSP 1927: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,466.44 ft above National Geodetic Vertical Datum of 1929 (project datum).

REMARKS.--Reservoir is formed by earthfill, rock-faced dam. Storage began December 8, 1923. Dam completed in November 1924.

Capacity, 42,460 acre-ft between elevations 6,415 ft, approximate elevation of bottom of reservoir, and 6,461 ft Crest of spillway is at elevation 6,460.75 ft; however, there are four siphons that become operative prior to reaching this spillway. Elevation of sill of outlet gate, 6,412 ft.

No dead storage. Figures given herein represent total contents. Water is used for irrigation by Walker River Irrigation District. [See schematic diagram of Walker River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 44,880 acre-ft, June 16, 1974, elevation 6,460.78 ft; no usable contents at times in water years 1929, 1930, 1960, 1977, 1988, and 1989.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 24,790 acre-ft, March 30, gage height, 53.06 ft; minimum contents, 2,230 acre-ft, September 29, gage height, 33.46 ft.

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

6,425	334	6,440	6,240	6,455	29,160
6,430	1,130	6,445	11,380	6,460	42,460
6,435	2,920	6,450	18,780	6,461	45,490

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9,980	7,440	9,330	12,340	15,340	19,170	24,660	21,460	20,720	19,940	13,090	7,140
2	9,890	7,460	9,400	12,430	15,470	19,330	24,640	21,400	20,780	19,790	12,790	6,810
3	9,770	7,480	9,460	e12,500	15,610	19,520	24,600	21,420	20,860	19,610	12,530	6,550
4	9,670	7,520	9,540	e12,580	15,710	19,640	24,620	21,440	20,930	19,480	12,240	6,320
5	9,570	7,560	9,720	e12,660	15,760	19,830	24,580	21,460	21,030	19,390	11,900	6,030
6	9,470	7,600	9,820	e12,740	15,850	20,030	24,490	21,520	21,130	19,310	11,600	5,720
7	9,390	7,630	10,010	e12,820	15,960	20,270	24,410	21,600	21,130	19,170	11,330	5,430
8	9,290	7,730	10,080	e12,900	16,030	20,530	24,220	21,560	21,150	18,980	11,110	5,130
9	9,170	7,870	10,220	12,980	16,110	20,860	24,040	21,580	21,170	18,820	10,860	4,820
10	9,050	7,930	10,270	13,110	16,190	21,310	23,810	21,540	21,190	18,660	10,610	4,550
11	8,970	7,980	10,310	13,210	16,260	21,780	23,640	21,400	21,130	18,450	10,380	4,270
12	8,870	8,060	10,370	13,340	16,310	22,210	23,500	21,310	21,070	18,250	10,160	4,010
13	8,750	8,160	10,450	13,450	16,360	22,580	23,310	21,190	21,030	18,010	9,920	3,770
14	8,680	8,230	10,550	13,550	16,460	22,910	23,250	21,070	20,990	17,830	9,740	3,530
15	8,600	8,310	10,580	13,650	16,540	23,270	22,930	20,930	21,010	17,660	9,550	3,350
16	8,520	8,410	10,650	13,750	16,660	23,580	22,790	20,800	21,010	17,460	9,410	3,190
17	8,440	8,450	10,710	13,840	16,850	23,770	22,730	20,700	21,010	17,230	9,290	3,040
18	8,350	8,520	10,780	13,920	17,060	23,950	22,620	20,530	21,030	17,000	9,210	2,900
19	8,300	8,530	10,930	14,020	17,230	24,100	22,520	20,360	21,050	16,740	9,140	2,820
20	8,240	8,710	11,000	14,110	17,440	24,290	22,340	20,200	21,050	16,470	9,140	2,720
21	8,140	8,720	11,120	14,210	17,590	24,450	22,030	20,030	21,010	16,220	9,130	2,610
22	8,050	8,790	11,210	14,270	17,780	24,580	22,130	19,960	20,870	15,980	9,080	2,520
23	7,970	8,830	11,320	14,360	17,970	24,680	22,010	19,850	20,720	15,760	9,010	2,450
24	7,900	8,890	11,480	14,430	18,160	24,730	21,890	19,810	20,620	15,490	8,900	2,420
25	7,800	8,960	11,680	14,570	18,330	24,770	21,850	19,810	20,560	15,220	8,690	2,400
26	7,720	8,980	11,790	14,660	18,500	24,730	21,760	19,810	20,470	14,920	8,470	2,370
27	7,650	9,040	11,820	14,770	18,660	24,700	21,660	19,790	20,360	14,610	8,240	2,350
28	7,570	9,100	11,890	14,880	18,840	24,680	21,540	19,990	20,270	14,270	8,030	2,320
29	7,570	9,170	12,020	15,010	18,980	24,730	21,520	20,250	20,160	13,940	7,870	2,300
30	7,390	9,180	12,100	15,110	---	24,730	21,520	20,440	20,030	13,680	7,690	2,270
31	7,410	---	12,200	15,220	---	24,660	---	20,580	---	13,410	7,470	---
MAX	9980	9180	12200	15220	18980	24770	24660	21600	21190	19940	13090	7140
MIN	7390	7440	9330	12340	15340	19170	21520	19790	20030	13410	7470	2270
#	6,441.30	6,443.07	6,445.66	6,447.83	6,450.11	6,453.00	6,451.46	6,450.98	6,450.68	6,446.57	6,441.36	6,433.56
##	-2,700	+1,770	+3,020	+3,020	+3,760	+5,680	-3,140	-940	-550	-6620	-5940	-5200

CAL YR 2003 MAX 29,620 MIN 7,390 ## +2,100
WTR YR 2004 MAX 24,770 MIN 2,270 ## -7,840

e Estimated
Elevation, in feet above NGVD 1929, at end of month, present datum.
Change in contents, in acre-feet.

WALKER RIVER BASIN, EAST WALKER RIVER BASIN
10293000 EAST WALKER RIVER NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°19'40", long 119°12'50" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec. 34, T.06 N., R.25 E., Mono County, Hydrologic Unit 16050301, in Toiyabe National Forest, on right bank, 1,500 ft downstream from Bridgeport Reservoir, 5 mi north of Bridgeport, and 10 mi upstream from Sweetwater Creek.

DRAINAGE AREA.--359 mi².

PERIOD OF RECORD.--July 1911 to September 1914 (gage height only), October and November 1921, May 1922 to September 1924, March to July 1925, October 1925 to current year.

REVISED RECORDS.--WSP 1927: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,400 ft. above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 01, 1921, nonrecording gage at site 0.5 mi upstream at different datum. October 01, 1921, to February 21, 1924, water-stage recorder at site 1 mi downstream at different datum. February 22, 1924, to September 30, 1931, water-stage recorder, and October 01, 1931 to May 25, 1939, nonrecording gage at present site at datum 2.34 ft lower. May 26, 1939, to November 27, 1988, water-stage recorder at datum 2.00 ft. higher.

REMARKS.--No estimated daily discharges. Records good. Diversions for irrigation of meadow pasturelands near Bridgeport. Flow regulated by Bridgeport Reservoir (station 10292500). [See schematic diagram of Walker River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,910 ft³/s, January 4, 1997, gage height, 6.74 ft; minimum daily, 0.20 ft³/s, November 2, 1955.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 271 ft³/s, June 22, 23, 24, gage height, 3.84 ft; minimum daily discharge, 18 ft³/s, December 20, 21, 22, 23, 24.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	29	22	19	21	25	106	105	153	202	172	174
2	102	29	19	19	21	26	93	109	210	210	162	183
3	99	29	19	26	20	21	102	96	217	233	158	161
4	93	29	19	32	28	21	114	117	222	213	180	148
5	93	29	19	32	33	21	114	135	237	183	187	168
6	93	29	19	32	33	21	126	125	249	182	174	187
7	89	29	19	23	33	21	158	113	249	183	158	176
8	86	29	22	19	33	25	175	117	250	167	146	180
9	91	29	23	20	33	27	187	123	246	148	140	186
10	91	29	22	20	33	25	181	140	235	157	138	173
11	90	29	30	20	33	36	173	176	230	170	143	171
12	90	29	30	20	33	46	168	177	216	177	149	158
13	86	29	30	20	33	57	160	166	197	162	138	153
14	81	29	30	23	33	63	147	158	192	139	130	142
15	81	29	30	27	33	68	131	177	185	155	129	124
16	81	29	30	27	26	79	124	193	195	168	113	104
17	81	29	25	28	21	86	115	170	206	177	92	99
18	77	29	25	32	21	92	97	178	203	190	81	89
19	73	23	23	27	21	99	106	187	200	184	81	75
20	76	19	18	32	21	101	115	193	197	178	80	78
21	80	19	18	28	21	102	98	186	220	172	91	82
22	76	19	18	32	21	112	91	166	260	161	106	75
23	75	19	18	32	21	137	91	145	267	154	110	62
24	80	25	18	25	21	152	88	139	257	163	116	52
25	80	28	19	20	21	146	81	133	242	176	144	46
26	79	28	22	20	21	134	90	128	248	175	166	46
27	78	28	30	20	21	122	97	121	256	185	165	46
28	78	28	28	21	21	116	91	122	240	197	147	46
29	78	28	19	21	21	116	91	123	218	183	123	45
30	61	28	19	21	---	99	91	123	214	162	122	45
31	29	---	19	21	---	103	---	123	---	166	143	---
TOTAL	2,561	814	702	759	752	2,299	3,601	4,464	6,711	5,472	4,184	3,474
MEAN	82.6	27.1	22.6	24.5	25.9	74.2	120	144	224	177	135	116
MAX	114	29	30	32	33	152	187	193	267	233	187	187
MIN	29	19	18	19	20	21	81	96	153	139	80	45
AC-FT	5,080	1,610	1,390	1,510	1,490	4,560	7,140	8,850	13,310	10,850	8,300	6,890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2004, BY WATER YEAR (WY)

MEAN	61.8	29.6	37.8	45.3	50.8	89.1	173	253	308	296	237	153
MAX	301	325	398	804	345	417	721	880	1,001	797	638	406
(WY)	(1984)	(1983)	(1984)	(1997)	(1997)	(1983)	(1952)	(1938)	(1938)	(1967)	(1983)	(1983)
MIN	7.35	1.10	2.50	0.50	0.62	5.39	27.5	57.5	36.0	20.4	13.3	17.1
(WY)	(1931)	(1956)	(1960)	(1950)	(1950)	(1927)	(1961)	(1991)	(1924)	(1924)	(1924)	(1977)

WALKER RIVER BASIN, EAST WALKER RIVER BASIN
 10293000 EAST WALKER RIVER NEAR BRIDGEPORT, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1922 - 2004	
ANNUAL TOTAL	35,227		35,793		145	
ANNUAL MEAN	96.5		97.8		443	
HIGHEST ANNUAL MEAN					37.5	
LOWEST ANNUAL MEAN					1983	
HIGHEST DAILY MEAN	251	Aug 12	267	Jun 23	1,880	Jan 4, 1997
LOWEST DAILY MEAN	18	Dec 20	18	Dec 20	0.20	Nov 2, 1955
ANNUAL SEVEN-DAY MINIMUM	19	Dec 20	19	Dec 20	0.20	Nov 2, 1955
MAXIMUM PEAK FLOW			271	Jun 22	1,910	Jan 4, 1997
MAXIMUM PEAK STAGE			3.84	Jun 22	6.74	Jan 4, 1997
ANNUAL RUNOFF (AC-FT)	69,870		71,000		104,900	
10 PERCENT EXCEEDS	208		188		341	
50 PERCENT EXCEEDS	76		91		92	
90 PERCENT EXCEEDS	24		21		7.2	

WALKER RIVER BASIN, WALKER RIVER BASIN

10293500 EAST WALKER RIVER ABOVE STROSNIDER DITCH NEAR MASON, NV

LOCATION (REVISED)--Lat 38°48'49.37", long 119°02'52.77" referenced to North American Datum of 1983, in NW ¼ SW ¼ sec. 14, T.11 N., R.26 E., Lyon County, Hydrologic Unit 16050303, on right bank, 0.9 mi upstream from head of Strosnider ditch, 12 mi southeast of Mason, and 13.5 mi southeast of Yerington.

DRAINAGE AREA.--1,100 mi².

PERIOD OF RECORD.--January 1947 to current year (irrigation season only, 1979 to 1994).

GAGE.--Water-stage recorder. Datum of gage is 4,574.10 ft above National Geodetic Vertical Datum of 1929. Prior to October 24, 1957, near present site at datum 0.56 ft higher. October 24, 1957, to April 3, 1974, at site 400 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation above station. Flow regulated by Bridgeport Reservoir (station 10292500). See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,610 ft³/s, January 4, 1997, gage height, 9.61 ft; minimum daily, 2.3 ft³/s, March 12, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 284 ft³/s, August 16, gage height, 4.46 ft; minimum daily discharge, 29 ft³/s, March 9.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	58	44	39	34	35	82	63	86	155	106	96
2	97	53	43	36	33	37	89	65	97	145	108	116
3	89	51	38	34	36	41	78	78	135	153	103	128
4	90	50	36	e31	34	38	78	63	142	176	97	120
5	82	49	36	e38	35	34	86	69	145	168	112	112
6	79	48	36	47	39	30	87	86	157	145	120	120
7	78	47	36	54	43	31	91	84	169	144	116	136
8	77	46	36	56	45	30	113	73	170	133	103	133
9	75	50	35	45	43	29	129	73	175	124	99	130
10	79	50	37	40	44	32	133	80	177	107	93	139
11	80	47	38	38	44	30	132	88	166	110	86	126
12	81	45	40	36	43	31	127	116	158	118	94	127
13	81	45	41	36	44	37	128	117	149	119	103	119
14	79	45	48	35	44	47	123	114	128	115	109	113
15	75	45	46	35	44	50	113	107	124	97	111	107
16	75	46	37	40	45	52	97	113	116	105	163	100
17	74	45	41	41	45	66	91	128	121	119	111	83
18	76	44	50	42	38	72	89	110	132	146	87	75
19	75	44	46	42	37	74	78	114	134	147	71	76
20	69	44	45	45	36	84	76	121	131	140	68	66
21	68	40	41	42	35	92	88	128	133	129	73	67
22	72	38	37	e45	35	92	75	127	140	123	72	66
23	72	37	35	e37	34	97	67	118	177	114	83	67
24	66	36	36	47	34	112	65	103	188	106	81	60
25	72	37	36	47	34	122	63	99	187	103	85	55
26	75	42	38	39	38	120	57	92	173	112	97	48
27	73	42	e35	36	37	113	58	90	176	112	121	46
28	67	43	e38	37	36	106	68	85	180	115	127	44
29	71	44	e40	35	35	99	61	89	172	127	118	44
30	72	45	e43	35	---	99	63	90	155	121	95	44
31	76	---	42	34	---	87	---	91	---	109	91	---
TOTAL	2,395	1,356	1,230	1,244	1,124	2,019	2,685	2,974	4,493	3,937	3,103	2,763
MEAN	77.3	45.2	39.7	40.1	38.8	65.1	89.5	95.9	150	127	100	92.1
MAX	100	58	50	56	45	122	133	128	188	176	163	139
MIN	66	36	35	31	33	29	57	63	86	97	68	44
AC-FT	4,750	2,690	2,440	2,470	2,230	4,000	5,330	5,900	8,910	7,810	6,150	5,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2004, BY WATER YEAR (WY)

MEAN	72.0	45.0	53.5	70.3	77.5	92.1	177	254	313	278	218	154
MAX	173	173	178	813	383	363	755	905	1,420	885	708	446
(WY)	(1957)	(1999)	(1951)	(1997)	(1997)	(1969)	(1969)	(1969)	(1986)	(1995)	(1983)	(1983)
MIN	22.0	18.3	15.4	13.9	15.9	8.78	15.5	30.5	58.1	32.7	23.1	13.3
(WY)	(1978)	(1978)	(1962)	(1962)	(1950)	(1948)	(1961)	(1991)	(1990)	(1992)	(1992)	(1977)

WALKER RIVER BASIN, WALKER RIVER BASIN

10293500 EAST WALKER RIVER ABOVE STROSNIDER DITCH NEAR MASON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1948 - 2004	
ANNUAL TOTAL	30,592		29,323		150	
ANNUAL MEAN	83.8		80.1		38.7	
HIGHEST ANNUAL MEAN					401	
LOWEST ANNUAL MEAN					38.7	
HIGHEST DAILY MEAN	237	Aug 22	188	Jun 24	2,580	Jun 4, 1986
LOWEST DAILY MEAN	29	Feb 2	29	Mar 9	2.3	Mar 12, 1977
ANNUAL SEVEN-DAY MINIMUM	33	Jan 27	30	Mar 6	3.6	Mar 20, 1948
MAXIMUM PEAK FLOW			284	Aug 16	2,610	Jan 4, 1997
MAXIMUM PEAK STAGE			4.46	Aug 16	9.61	Jan 4, 1997
ANNUAL RUNOFF (AC-FT)	60,680		58,160		108,300	
10 PERCENT EXCEEDS	159		133		335	
50 PERCENT EXCEEDS	72		75		97	
90 PERCENT EXCEEDS	35		36		25	

e Estimated

WALKER RIVER BASIN, WEST WALKER RIVER BASIN
10295500 LITTLE WALKER RIVER NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°21'39", long 119°26'38" referenced to North American Datum of 1927, in NW ¼ NW ¼ sec. 22, T.06 N., R.23 E., Mono County, Hydrologic Unit 16050302, in Toiyabe National Forest, on right bank, 0.8 mi North of Sonora Junction, 1.5 mi upstream from mouth, and 14 mi northwest of Bridgeport.

DRAINAGE AREA.--63 mi².

PERIOD OF RECORD.--April to August 1910, October 1944 to September 1986, October 1995 to current year. Prior to October 1958, published as East Fork Walker River near Bridgeport.

REVISED RECORDS.--WDR 82-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,790 ft above National Geodetic Vertical Datum of 1929, from topographic map. April to August 1910, nonrecording gage at site 1 mi upstream at different datum. Prior to January 02, 1997 at same site, at datum 1.0 ft higher.

REMARKS.--Records good except for daily discharges, which are poor. Small diversions above station. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,540 ft³/s, January 02, 1997, gage height, 5.70 ft; minimum daily, 2.6 ft³/s, August 16, 1977.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 28	1000	*153	*2.17				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	13	13	e16	e15	16	42	68	115	65	22	11
2	11	e13	13	e16	15	14	37	75	128	61	22	11
3	11	13	14	e16	e15	15	37	93	127	59	21	11
4	11	e14	16	e17	e15	13	43	109	125	58	21	12
5	12	14	20	e17	e15	14	51	110	124	57	20	12
6	12	16	21	e17	e14	15	50	108	129	62	19	11
7	12	13	17	e17	e14	16	46	104	129	59	19	11
8	12	13	15	e17	e14	19	47	97	120	53	19	12
9	12	13	e14	e17	e14	21	48	96	108	51	18	11
10	12	e13	14	17	e14	25	50	102	94	48	18	10
11	12	e13	e14	18	e14	26	50	92	85	45	20	9.9
12	12	e14	e15	16	e14	28	52	86	77	43	19	9.3
13	12	14	15	18	e13	29	55	85	85	42	20	9.8
14	12	17	e15	21	e13	32	50	86	91	40	20	9.4
15	12	14	e15	19	13	42	47	92	96	38	19	10
16	12	15	e15	e19	16	45	44	97	113	39	18	10
17	12	14	e15	e18	16	44	42	91	117	40	18	10
18	12	14	e14	17	14	56	40	87	109	38	17	11
19	12	15	14	e17	15	59	38	83	104	37	17	11
20	12	14	15	e17	14	59	38	80	100	35	21	11
21	12	13	14	16	14	73	37	75	96	35	19	11
22	12	13	e14	e16	13	72	37	74	94	37	17	11
23	12	e14	14	e17	13	62	37	75	93	35	17	11
24	12	e15	16	17	13	59	39	75	92	32	16	10
25	12	16	15	e17	13	52	42	84	89	30	15	10
26	12	e15	e15	e16	e13	44	50	93	86	29	14	10
27	12	e14	e16	15	e14	38	61	93	81	27	13	10
28	12	14	e16	18	e15	32	68	126	77	25	13	10
29	12	15	e16	16	e16	34	66	97	71	24	12	11
30	12	14	e16	15	---	36	62	90	68	23	13	11
31	13	---	e16	15	---	42	---	93	---	22	12	---
TOTAL	369	422	472	525	411	1,132	1,406	2,816	3,023	1,289	549	318.4
MEAN	11.9	14.1	15.2	16.9	14.2	36.5	46.9	90.8	101	41.6	17.7	10.6
MAX	13	17	21	21	16	73	68	126	129	65	22	12
MIN	11	13	13	15	13	13	37	68	68	22	12	9.3
AC-FT	732	837	936	1,040	815	2,250	2,790	5,590	6,000	2,560	1,090	632

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2004, BY WATER YEAR (WY)

MEAN	19.9	21.3	21.5	22.2	22.3	27.4	50.5	125	172	99.9	38.0	22.6
MAX	47.7	65.3	98.4	101	58.9	85.7	97.0	323	388	297	137	55.5
(WY)	(1983)	(1951)	(1951)	(1997)	(1986)	(1986)	(1986)	(1969)	(1983)	(1967)	(1983)	(1983)
MIN	6.79	9.84	9.10	9.26	11.0	10.8	20.9	16.5	36.6	9.48	5.41	4.95
(WY)	(1978)	(1949)	(1949)	(1949)	(1977)	(1977)	(1976)	(1977)	(1976)	(1977)	(1977)	(1977)

WALKER RIVER BASIN, WEST WALKER RIVER BASIN
 10295500 LITTLE WALKER RIVER NEAR BRIDGEPORT, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1945 - 2004	
ANNUAL TOTAL	15,500		12,732.4			
ANNUAL MEAN	42.5		34.8		53.7	
HIGHEST ANNUAL MEAN					113	1983
LOWEST ANNUAL MEAN					13.9	1977
HIGHEST DAILY MEAN	328	May 30	129	Jun 6	730	May 16, 1996
LOWEST DAILY MEAN	11	Sep 24	9.3	Sep 12	2.6	Aug 16, 1977
ANNUAL SEVEN-DAY MINIMUM	11	Sep 24	9.8	Sep 10	3.0	Aug 11, 1977
MAXIMUM PEAK FLOW			153	May 28	2,540	Jan 2, 1997
MAXIMUM PEAK STAGE			2.17	May 28	5.70	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	30,740		25,250		38,880	
10 PERCENT EXCEEDS	103		91		142	
50 PERCENT EXCEEDS	18		17		25	
90 PERCENT EXCEEDS	12		12		13	

e Estimated

WALKER RIVER BASIN, WEST WALKER RIVER BASIN

10296000 WEST WALKER RIVER BELOW LITTLE WALKER RIVER NEAR COLEVILLE, CA

LOCATION.--Lat 38°22'47", long 119°26'57" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec. 09, T.06 N., R.23 E., Mono County, Hydrologic Unit 16050302, in Toiyabe National Forest, on left bank, 10 ft upstream from bridge on U.S. Highway 395, and 13 mi southeast of Coleville.

DRAINAGE AREA.--181 mi².

PERIOD OF RECORD.--April 1938 to current year. Prior to October 1958, published as "below East Fork."

REVISED RECORDS.--WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,591.39 ft above National Geodetic Vertical Datum of 1929. Prior to October 01, 1939, at site, 125 ft downstream at datum 1.00 ft higher. October 01, 1939, to September 30, 1969, at present site and datum. October 01, 1969, to July 10, 1987, at site 100 ft downstream at same datum. July 10, 1987 to March 05, 1997, at site upstream 100 ft at same datum. March 06, 1997 at site 150 ft downstream at datum 2.00 ft lower.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station is above diversions except for a few small ranch ditches. Flow slightly regulated by Poore Lake, capacity, 1,200 acre-ft, 7 mi upstream. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,300 ft³/s, January 02, 1997, gage height, 10.11 ft; minimum daily, 9.7 ft³/s, September 11, 1997.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed prior to 1938, 5,800 ft³/s, December 11, 1937, on basis of slope-area measurement of peak flow.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,120 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 5	0300	*1,350	*4.16	May 28	1645	1,350	4.16

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	31	e34	e32	e38	63	370	745	867	277	83	34
2	26	27	e34	e32	38	60	317	893	925	288	78	33
3	26	31	33	e32	e38	50	301	1,050	984	295	75	36
4	26	28	34	e32	e38	49	356	1,150	983	308	71	38
5	26	31	54	e32	e38	50	474	1,220	944	291	67	38
6	26	30	e58	e32	e38	53	523	1,140	997	321	64	34
7	25	32	e49	e32	e38	62	467	1,000	1,000	303	62	34
8	24	31	e45	e32	e38	74	461	918	816	279	58	32
9	23	e32	e40	e36	e39	89	496	936	612	257	57	30
10	23	e32	e37	e40	e39	115	513	910	485	242	55	28
11	24	e32	e33	e41	e39	129	492	705	483	212	53	28
12	24	e33	e40	e41	e39	146	520	602	505	188	51	27
13	23	e34	e44	e40	e40	158	561	634	600	185	56	27
14	23	e35	e39	e40	e40	180	493	730	731	192	63	26
15	22	e36	e35	e40	40	230	430	777	762	185	56	26
16	21	36	e35	e40	48	260	391	765	718	190	59	26
17	22	40	e35	e40	60	271	349	796	680	199	52	25
18	22	39	e39	e40	53	308	319	765	645	196	47	27
19	22	40	e41	e40	55	359	310	694	580	191	73	29
20	21	41	e41	e40	49	398	279	705	549	178	95	30
21	21	38	e42	e40	53	451	258	657	528	166	85	32
22	21	32	e37	e40	51	492	263	629	487	167	69	32
23	21	e32	e38	e40	48	517	262	653	519	164	66	30
24	20	e33	e40	e40	50	481	306	659	503	160	61	28
25	21	e33	e40	e40	40	430	386	652	460	147	53	27
26	21	e33	e38	e39	41	371	526	616	434	137	47	26
27	25	e33	e32	e39	51	313	728	708	406	118	45	25
28	29	e33	e32	e39	51	300	862	1,170	363	108	43	26
29	29	e34	e32	e39	56	323	774	907	316	94	41	26
30	27	e34	e32	e38	---	358	674	743	299	86	39	27
31	24	---	e32	e38	---	370	---	833	---	87	36	---
TOTAL	733	1,006	1,195	1,166	1,286	7,510	13,461	25,362	19,181	6,211	1,860	887
MEAN	23.6	33.5	38.5	37.6	44.3	242	449	818	639	200	60.0	29.6
MAX	29	41	58	41	60	517	862	1,220	1,000	321	95	38
MIN	20	27	32	32	38	49	258	602	299	86	36	25
MED	23	33	38	40	40	260	446	765	590	190	58	28
AC-FT	1,450	2,000	2,370	2,310	2,550	14,900	26,700	50,310	38,050	12,320	3,690	1,760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2004, BY WATER YEAR (WY)

MEAN	54.0	66.7	70.3	77.4	74.2	112	303	784	954	485	149	72.8
MAX	219	539	448	854	246	369	609	1,655	2,066	1,864	663	246
(WY)	(1983)	(1951)	(1951)	(1997)	(1963)	(1986)	(1997)	(1969)	(1983)	(1995)	(1983)	(1983)
MIN	16.6	22.2	20.0	18.1	26.0	32.1	108	139	188	41.1	18.5	12.3
(WY)	(1978)	(1978)	(1991)	(1977)	(1991)	(1977)	(1975)	(1977)	(1976)	(1977)	(1977)	(1977)

WALKER RIVER BASIN, WEST WALKER RIVER BASIN

10296000 WEST WALKER RIVER BELOW LITTLE WALKER RIVER NEAR COLEVILLE, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1938 - 2004	
ANNUAL TOTAL	94,872		79,858		265	
ANNUAL MEAN	260		218		65.3	1977
HIGHEST ANNUAL MEAN					537	1983
LOWEST ANNUAL MEAN					65.3	1977
HIGHEST DAILY MEAN	2,550	May 30	1,220	May 5	8,660	Jan 2, 1997
LOWEST DAILY MEAN	20	Oct 24	20	Oct 24	9.7	Sep 11, 1977
ANNUAL SEVEN-DAY MINIMUM	21	Oct 20	21	Oct 20	10	Sep 5, 1977
MAXIMUM PEAK FLOW			1,350	May 5	12,300	Jan 2, 1997
MAXIMUM PEAK STAGE			4.16	May 5	10.11	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	188,200		158,400		191,800	
10 PERCENT EXCEEDS	712		697		800	
50 PERCENT EXCEEDS	67		51		86	
90 PERCENT EXCEEDS	28		27		34	

e Estimated

WALKER RIVER BASIN, WEST WALKER RIVER BASIN
10296500 WEST WALKER RIVER NEAR COLEVILLE, CA

LOCATION.--Lat 38°30'48", long 119°26'56" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 28, T.08 N., R.23 E., Mono County, Hydrologic Unit 16050302, in Toiyabe National Forest, on left bank, 250 ft downstream from Rock Creek, and 5 mi southeast of Coleville.

DRAINAGE AREA.--250 mi².

PERIOD OF RECORD.--October 1902 to July 1908 (published as West Fork of Walker River near Coleville, 1903, 1905-08 and as Walker River (West Fork) near Coleville, 1904), March 1909 to September 1910, June 1915 to March 1938, May 1957 to current year.

REVISED RECORDS.--WSP 880: 1917 (runoff in acre-ft). WSP 1514: 1918, 1923. WDR NV-80-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,520 ft above National Geodetic Vertical Datum of 1929, from topographic map. See WSP 1927 for history of changes prior to July 25, 1964. July 26, 1964 to January 02, 1997 (gage destroyed by flood) at several sites and datums 2,000 ft downstream from present location, when re-established October 28, 1997, at new datum.

REMARKS.--Records fair except for estimated daily discharges and discharges greater than 220 ft³/s, which are poor. Station is above diversions except for a few small ranch ditches. Flow slightly regulated by Poore Lake, capacity, 1,200 acre-ft, 17 mi upstream. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft³/s, January 02, 1997, gage height, 10.23 ft; minimum daily, 14 ft³/s, several days July-September 1924 and September 12, 1977.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,120 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 28	2000	*1,400	*6.97	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	32	29	e42	49	75	318	598	732	310	102	e38
2	30	e33	29	44	52	77	275	725	766	313	98	38
3	31	34	29	e44	49	74	256	898	796	299	95	38
4	31	e33	28	e46	e50	73	291	1,020	790	302	92	e38
5	30	32	34	e49	e52	72	384	1,160	752	293	88	e38
6	32	29	55	59	e53	76	421	1,080	799	314	85	e38
7	32	31	59	60	55	80	377	885	812	307	83	e38
8	31	30	39	59	e54	86	381	795	690	292	79	e36
9	30	e32	37	58	54	98	400	819	534	266	76	e36
10	30	34	44	59	49	117	424	814	434	253	73	e32
11	32	e35	36	59	e49	132	409	621	429	225	71	32
12	31	35	40	58	e50	138	419	531	445	203	68	31
13	31	37	44	57	e51	148	446	544	504	195	e76	32
14	31	36	39	55	51	174	401	631	617	197	e87	32
15	31	37	36	56	51	213	363	682	640	185	e72	33
16	31	35	40	53	58	228	321	668	615	186	e80	32
17	31	36	54	55	75	236	292	699	604	194	e64	32
18	31	37	54	57	71	258	265	671	607	193	e70	32
19	31	37	54	55	64	312	246	602	580	187	e98	35
20	30	37	60	56	67	334	233	612	549	182	e102	35
21	30	36	56	56	65	375	228	575	522	177	e85	37
22	30	32	50	51	65	400	232	547	492	171	e76	37
23	30	e35	54	e53	65	421	228	564	523	168	e70	36
24	31	e35	62	58	62	401	264	568	517	164	e65	35
25	31	33	68	50	64	364	328	562	474	153	e60	34
26	31	e35	59	51	57	318	433	526	456	144	e52	33
27	30	31	e53	55	63	271	580	594	432	136	e46	33
28	30	32	e51	49	64	255	725	1,100	401	130	e46	33
29	30	30	54	53	66	262	654	837	346	117	e42	33
30	30	31	e46	52	---	295	553	640	327	111	e42	34
31	29	---	e44	52	---	311	---	708	---	108	e40	---
TOTAL	949	1,012	1,437	1,661	1,675	6,674	11,147	22,276	17,185	6,475	2,283	1,041
MEAN	30.6	33.7	46.4	53.6	57.8	215	372	719	573	209	73.6	34.7
MAX	32	37	68	60	75	421	725	1,160	812	314	102	38
MIN	29	29	28	42	49	72	228	526	327	108	40	31
AC-FT	1,880	2,010	2,850	3,290	3,320	13,240	22,110	44,180	34,090	12,840	4,530	2,060

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2004, BY WATER YEAR (WY)

MEAN	68.9	69.9	67.1	78.4	80.9	128	307	792	989	520	164	82.4
MAX	299	214	270	905	280	403	636	1,756	2,055	2,492	721	269
(WY)	(1905)	(1974)	(1965)	(1997)	(1963)	(1986)	(1910)	(1969)	(1983)	(1907)	(1995)	(1907)
MIN	21.5	25.4	28.7	26.9	32.0	42.1	118	149	106	26.9	17.4	16.1
(WY)	(1978)	(1930)	(1960)	(1930)	(1929)	(1933)	(1975)	(1977)	(1924)	(1924)	(1924)	(1924)

WALKER RIVER BASIN, WEST WALKER RIVER BASIN
 10296500 WEST WALKER RIVER NEAR COLEVILLE, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1903 - 2004	
ANNUAL TOTAL	100,052		73,815			
ANNUAL MEAN	274		202		279	
HIGHEST ANNUAL MEAN					669	
LOWEST ANNUAL MEAN					74.5	
HIGHEST DAILY MEAN	2,670	May 30	1,160	May 5	9,000	Jan 2, 1997
LOWEST DAILY MEAN	28	Dec 4	28	Dec 4	14	Jul 24, 1924
ANNUAL SEVEN-DAY MINIMUM	30	Nov 28	30	Nov 28	14	Aug 28, 1924
MAXIMUM PEAK FLOW			1,400	May 28	12,500	Jan 2, 1997
MAXIMUM PEAK STAGE			6.97	May 28	10.23	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	198,500		146,400		201,800	
10 PERCENT EXCEEDS	732		599		832	
50 PERCENT EXCEEDS	77		65		94	
90 PERCENT EXCEEDS	31		31		37	

e Estimated

WALKER RIVER BASIN, WEST WALKER RIVER BASIN

10297000 TOPAZ LAKE NEAR TOPAZ, CA

LOCATION.--Lat 38°41'35.64", long 119°31'13.11" referenced to North American Datum of 1983, in NW ¼ NE ¼ sec. 33, T.10 N., R.22 E., Douglas County, Hydrologic Unit 16050302, at outlet works of Topaz Lake on West Walker River, and 5.5 mi north of Topaz.

PERIOD OF RECORD.--December 1921 to September 1931 (monthly contents only published in WSP 1734), October 1931 to current year.

GAGE.--Water-stage recorder. Datum of gage is above National Geodetic Vertical Datum of 1929. Prior to October 1, 1978, at datum 4.62 ft higher.

REMARKS.--Topaz Lake, formerly known as Alkali Lake and Topaz Reservoir, was formed by the diversion of water from West Walker River through a feeder canal and the construction of an outlet tunnel through a low saddle in rim of lake. Storage began about December 1921. Usable capacity, 59,440 acre-ft, between elevations 4,967.68 ft (lowest practical elevation for diversion through tunnel) and 5,000.38 ft (3 ft below top of levee). Usable capacity of reservoir was increased from about 45,000 acre-ft to 59,440 acre-ft in October 1937 by an earthfill, rock-faced levee at south end. Figures given herein represent usable contents. There is 65,000 acre-ft of lake volume below the point of controllable storage. Water is used for irrigation in Walker River Irrigation District. [See schematic diagram of Walker River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 60,680 acre-ft, July 3, 1980, July 10, 1995, elevation 5,000.92 ft, present datum; no usable contents at times in some years.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 23,260 acre-ft, June 8, gage height, 86.69 ft; minimum contents, 2,340 acre-ft, September 28, 30, gage height, 73.82 ft.

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

4,968	490	4,980	19,760	4,995	47,540
4,970	3,580	4,985	28,310	5,000	58,570
4,975	11,520	4,990	37,360	5,001	60,870

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13,510	6,750	8,470	11,770	14,740	18,350	21,360	19,920	21,340	19,420	10,950	4,330
2	13,220	6,640	8,590	11,890	14,900	18,470	21,410	19,890	21,590	19,150	10,610	4,190
3	12,930	6,610	8,660	11,970	14,970	18,570	21,410	20,060	21,880	18,900	10,180	3,910
4	12,630	6,660	8,690	12,050	15,050	18,670	21,440	20,360	22,220	18,680	9,790	3,820
5	12,390	6,740	8,820	12,110	15,120	18,770	21,540	20,850	22,440	18,480	9,440	3,650
6	12,160	6,780	8,910	12,230	15,200	18,870	21,680	21,100	22,750	18,270	9,060	3,520
7	11,920	6,850	9,090	12,280	15,280	18,970	21,730	21,220	23,090	18,110	8,770	3,400
8	11,630	6,910	9,180	12,340	15,350	19,080	21,640	21,240	23,190	17,950	8,500	3,290
9	11,290	7,160	9,310	12,410	15,450	19,200	21,540	21,290	23,050	17,780	8,260	3,180
10	10,980	7,240	9,390	12,540	15,530	19,280	21,420	21,340	22,760	17,570	8,020	3,150
11	10,710	7,320	9,490	12,650	15,650	19,420	21,290	21,250	22,460	17,370	7,780	3,050
12	10,470	7,400	9,600	12,760	15,760	19,520	21,170	21,030	22,200	17,130	7,750	2,960
13	10,260	7,460	9,650	12,890	e15,910	19,590	21,120	20,810	22,080	16,870	7,510	2,900
14	10,050	7,540	9,890	12,990	e16,060	19,650	21,050	20,660	22,170	16,600	7,350	2,820
15	9,890	7,590	9,970	13,110	e16,210	19,770	20,870	20,610	22,360	16,400	7,230	2,790
16	9,760	7,640	10,000	13,200	e16,360	19,890	20,680	20,560	22,490	16,220	7,100	2,740
17	9,580	7,690	10,130	13,320	e16,500	19,970	20,530	20,540	22,540	15,990	6,970	2,710
18	9,490	7,770	10,230	13,420	16,600	20,040	20,390	20,490	22,540	15,710	6,820	2,650
19	9,310	7,850	10,400	13,530	16,740	20,210	20,290	20,440	22,440	15,450	6,660	2,510
20	9,220	7,860	10,480	13,690	16,890	20,390	20,060	20,410	22,300	15,120	6,550	2,510
21	9,090	7,910	10,580	13,790	17,030	20,650	19,960	20,330	22,100	14,820	6,500	2,500
22	8,940	7,960	10,630	13,870	17,170	20,900	19,840	20,220	21,810	14,530	6,360	2,500
23	8,820	8,040	10,790	13,970	17,330	21,080	19,720	20,060	21,590	14,230	6,150	2,480
24	8,590	8,120	10,850	14,040	17,470	21,150	19,600	19,970	21,340	13,900	6,030	2,480
25	8,310	8,130	11,110	14,130	17,750	21,140	19,540	19,920	21,100	13,580	5,870	2,470
26	8,040	8,180	11,210	14,250	17,900	21,070	19,600	19,840	20,870	13,190	5,600	2,450
27	7,780	8,270	11,270	14,330	18,000	20,970	19,840	19,740	20,580	12,800	5,400	2,430
28	7,480	8,350	11,300	14,410	18,110	20,980	20,120	20,220	20,280	12,440	5,220	2,400
29	7,230	8,390	11,450	14,510	18,230	21,030	20,190	20,710	19,970	12,100	5,080	2,430
30	6,930	8,500	11,580	14,590	---	21,140	20,090	20,880	19,700	11,690	4,910	2,420
31	6,880	---	11,680	14,660	---	21,250	---	21,100	---	11,350	4,740	---
MAX	13,510	8,500	11,680	14,660	18,230	21,250	21,730	21,340	23,190	19,420	10,950	4,330
MIN	6,880	6,610	8,470	11,770	14,740	18,350	19,540	19,740	19,700	11,350	4,740	2,400
#	4,972.10	4,973.12	4,975.10	4,976.93	4,979.09	4,980.89	4,980.20	4,980.80	4,979.97	4,974.90	4,970.74	4,969.25
##	-6,930	+1,620	+3,180	+2,980	+3,570	+3,020	-1,160	+1,010	-1,400	-8,350	-6,610	-2,320
CAL YR 2003	MAX	57,820	MIN	6,610	##	+1,280						
WTR YR 2004	MAX	23,190	MIN	2,400	##	-11,390						

e Estimated
Elevation, in feet above NGVD 1929, at end of month, present datum.
Change in contents, in acre-feet.

WALKER RIVER BASIN, WEST WALKER RIVER BASIN

10297500 WEST WALKER RIVER AT HOYE BRIDGE NEAR WELLINGTON, NV

LOCATION (REVISED)--Lat 38°43'41.03", long 119°25'40.3" referenced to North American Datum of 1983, in NE ¼ SE ¼ sec. 17, T.10 N., R.23 E., Douglas County, Hydrologic Unit 16050302, on left bank, 20 ft upstream from Hoyer Bridge, 2 mi upstream from head of Saroni Canal, and 4 mi southwest of Wellington.

DRAINAGE AREA.--497 mi².

PERIOD OF RECORD.--May to August 1910 (published as West Walker River near Wellington), July 1920 to September 1923, March 1924 to August 1925, October 1925 to September 1932, October 1957 to current year. Monthly discharge only for some periods published in WSP 1314.

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

GAGE.--Water-stage recorder. Elevation of gage is 4,980 ft above National Geodetic Vertical Datum of 1929, from topographic map. May to August 1910, nonrecording gage at same site at different datum. July 1, 1920, to September 30, 1923, water-stage recorder at site 3 mi downstream, 1 mi downstream from Saroni Canal, at different datum, and supplemental nonrecording gage at Saroni Canal 1 mi downstream from head. March 1, 1924, to September 30, 1932, water-stage recorder at site at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by off-channel storage in Topaz Lake (station 10297000), since January 30, 1922. Diversions for irrigation of about 10,500 acres above station. Records include releases from Topaz Lake and all return flow from Antelope Valley. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,500 ft³/s, January 3, 1997, gage height, 13.68 ft; minimum daily, 3.6 ft³/s, February 5, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 615 ft³/s, May 6, gage height, 4.00 ft; minimum daily discharge, 21 ft³/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	83	33	34	35	33	160	478	503	336	220	112
2	161	86	33	33	36	45	168	495	522	319	205	106
3	164	82	33	32	36	36	175	526	543	305	210	101
4	163	42	34	e31	36	33	177	560	541	297	203	93
5	157	35	36	e31	36	28	183	583	551	300	192	87
6	148	34	36	31	36	29	208	603	551	283	184	83
7	136	33	36	34	36	31	254	588	559	259	164	77
8	154	35	36	39	37	33	283	561	567	240	172	70
9	180	39	35	38	34	40	292	555	537	230	173	64
10	185	40	34	34	29	43	319	556	542	223	157	62
11	167	37	32	33	27	45	347	551	520	216	164	61
12	145	37	31	33	22	62	354	518	508	214	163	58
13	138	37	30	32	21	83	323	503	429	210	162	57
14	114	36	30	32	21	100	316	494	441	196	145	57
15	115	36	29	32	21	105	328	509	490	189	140	56
16	102	36	29	32	21	124	320	498	506	187	129	55
17	94	36	28	32	21	133	307	502	521	199	127	53
18	91	36	28	32	22	135	260	496	506	210	134	50
19	95	35	29	32	23	130	247	481	493	221	133	49
20	95	33	31	34	22	130	227	473	492	230	131	48
21	89	33	30	33	22	136	214	457	505	218	128	50
22	93	32	33	37	22	154	201	452	512	227	130	51
23	98	32	31	39	21	208	197	452	502	219	125	51
24	123	30	31	32	21	260	198	461	499	214	133	51
25	148	31	31	33	22	275	210	449	490	219	127	49
26	160	32	e30	33	27	304	219	443	490	212	129	48
27	161	31	e30	32	33	297	230	443	471	235	125	48
28	163	32	e30	35	32	192	283	468	442	228	122	47
29	142	32	30	35	32	180	426	519	392	209	105	45
30	123	33	31	35	---	151	441	493	371	210	106	43
31	96	---	33	35	---	156	---	492	---	212	115	---
TOTAL	4,181	1,186	983	1,040	804	3,711	7,867	15,659	14,996	7,267	4,653	1,882
MEAN	135	39.5	31.7	33.5	27.7	120	262	505	500	234	150	62.7
MAX	185	86	36	39	37	304	441	603	567	336	220	112
MIN	89	30	28	31	21	28	160	443	371	187	105	43
AC-FT	8,290	2,350	1,950	2,060	1,590	7,360	15,600	31,060	29,740	14,410	9,230	3,730

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2004, BY WATER YEAR (WY)

MEAN	81.3	44.5	44.4	56.4	53.8	83.2	268	611	700	496	285	160
MAX	286	332	399	1,032	500	477	730	1,303	1,949	1,611	721	390
(WY)	(1984)	(1983)	(1983)	(1997)	(1997)	(1983)	(1982)	(1969)	(1983)	(1995)	(1983)	(1983)
MIN	12.6	13.3	9.20	5.56	7.66	8.03	59.7	115	150	97.1	26.6	19.5
(WY)	(1978)	(1982)	(1985)	(1985)	(1985)	(1962)	(1929)	(1977)	(1924)	(1992)	(1977)	(1931)

WALKER RIVER BASIN, WEST WALKER RIVER BASIN

10297500 WEST WALKER RIVER AT HOYE BRIDGE NEAR WELLINGTON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1910 - 2004	
ANNUAL TOTAL	68,284		64,229		245	
ANNUAL MEAN	187		175		620	1983
HIGHEST ANNUAL MEAN					61.0	1977
LOWEST ANNUAL MEAN					4,000	Jan 3, 1997
HIGHEST DAILY MEAN	822	May 25	603	May 6	3.6	Feb 5, 1985
LOWEST DAILY MEAN	25	Feb 15	21	Feb 13	3.8	Feb 9, 1985
ANNUAL SEVEN-DAY MINIMUM	25	Feb 14	21	Feb 12	11,500	Jan 3, 1997
MAXIMUM PEAK FLOW			615	May 6	13.68	Jan 3, 1997
MAXIMUM PEAK STAGE			4.00	May 6		
ANNUAL RUNOFF (AC-FT)	135,400		127,400		177,500	
10 PERCENT EXCEEDS	517		494		631	
50 PERCENT EXCEEDS	102		124		107	
90 PERCENT EXCEEDS	31		31		20	

e Estimated

WALKER RIVER BASIN, WEST WALKER RIVER BASIN

10300000 WEST WALKER RIVER NEAR HUDSON, NV

LOCATION.--Lat 38°48'35", long 119°13'35" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec. 18, T.11 N., R.25 E., Lyon County, Hydrologic Unit 16050302, on left bank, 0.5 mi upstream from Wilson Canyon, and 3 mi southeast of Hudson.

DRAINAGE AREA.--964 mi².

PERIOD OF RECORD.--August 1914 to March 1925, January 1947 to September 1978, April 1979 to September 1994, (irrigation season only) October 1994 to current year. August 1914 to April 1921 published as "at Hudson."

GAGE.--Water-stage recorder. Prior to May 1921, nonrecording gage at site 2.5 mi upstream at different datum. May 1921 to March 1925, water-stage recorder at approximately same site at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by off-channel storage in Topaz Lake (station 10297000) since January 30, 1922. Many diversions above station for irrigation. Station is below return flow from irrigated areas in Smith Valley. [See schematic diagram of Walker River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,400 ft³/s, January 3, 1997, gage height, 12.18 ft; minimum daily, 10 ft³/s, January 23, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 415 ft³/s, May 29, gage height, 2.38 ft; minimum daily discharge, 25 ft³/s, September 12, 13, 14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	81	42	40	51	46	148	263	381	226	112	55
2	121	94	42	e38	51	55	151	280	363	214	98	49
3	114	95	42	e35	52	55	154	290	348	204	100	50
4	107	78	41	e34	52	49	156	316	320	198	104	60
5	114	58	42	e36	53	44	146	349	325	196	100	64
6	106	50	42	e40	53	41	149	335	331	194	107	62
7	92	49	44	43	54	41	178	327	342	177	109	54
8	82	48	43	45	53	43	194	300	334	168	107	44
9	102	55	42	49	54	45	190	297	320	163	111	34
10	110	52	44	46	50	50	196	316	322	157	93	28
11	113	50	43	44	46	50	221	322	300	148	101	26
12	100	50	42	43	41	60	228	297	306	147	116	25
13	93	50	42	43	38	73	213	284	262	147	117	25
14	89	50	44	43	37	96	208	266	256	134	116	25
15	73	49	42	43	37	100	223	272	305	130	136	26
16	59	49	38	43	37	102	220	280	313	120	128	28
17	60	51	35	43	36	121	219	294	325	124	104	32
18	59	51	34	44	36	131	196	297	321	138	81	33
19	58	50	32	44	37	128	186	289	304	145	83	32
20	61	45	35	46	38	119	179	287	298	147	73	35
21	57	43	32	47	38	126	169	278	295	134	73	43
22	52	42	32	e46	38	133	160	289	298	135	92	50
23	52	41	37	e48	37	162	152	298	280	135	85	46
24	49	42	38	48	35	200	153	311	274	129	78	47
25	60	41	39	46	37	214	157	313	272	134	69	46
26	91	41	39	47	39	232	156	308	282	126	67	46
27	106	41	e37	47	46	240	161	320	281	127	62	51
28	104	42	e33	48	48	191	176	339	279	134	60	50
29	96	42	e39	50	47	171	241	383	250	107	55	46
30	90	42	37	50	---	154	250	397	244	97	49	43
31	72	---	39	51	---	143	---	381	---	99	56	---
TOTAL	2,676	1,572	1,213	1,370	1,271	3,415	5,530	9,578	9,131	4,634	2,842	1,255
MEAN	86.3	52.4	39.1	44.2	43.8	110	184	309	304	149	91.7	41.8
MAX	134	95	44	51	54	240	250	397	381	226	136	64
MIN	49	41	32	34	35	41	146	263	244	97	49	25
AC-FT	5,310	3,120	2,410	2,720	2,520	6,770	10,970	19,000	18,110	9,190	5,640	2,490

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2004, BY WATER YEAR (WY)

MEAN	71.8	63.8	69.9	80.1	87.8	98.8	211	437	584	352	170	106
MAX	203	178	493	1,064	527	450	528	1,231	1,718	1,490	568	290
(WY)	(1917)	(1951)	(1951)	(1997)	(1997)	(1969)	(1982)	(1997)	(1983)	(1995)	(1983)	(1983)
MIN	21.7	20.8	20.7	22.0	26.1	30.3	56.9	92.1	86.4	55.8	14.6	14.7
(WY)	(1978)	(1962)	(1962)	(1962)	(1961)	(1961)	(1922)	(1977)	(1924)	(1924)	(1920)	(1920)

WALKER RIVER BASIN, WEST WALKER RIVER BASIN
10300000 WEST WALKER RIVER NEAR HUDSON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1915 - 2004	
ANNUAL TOTAL	47,803		44,487		196	
ANNUAL MEAN	131		122		435	1997
HIGHEST ANNUAL MEAN					56.4	1977
LOWEST ANNUAL MEAN					4,230	Jan 3, 1997
HIGHEST DAILY MEAN	580	May 26	397	May 30	10	Jan 23, 1962
LOWEST DAILY MEAN	27	Feb 19	25	Sep 12	13	Aug 7, 1920
ANNUAL SEVEN-DAY MINIMUM	28	Feb 16	26	Sep 10	11,400	Jan 3, 1997
MAXIMUM PEAK FLOW			415	May 29	12.18	Jan 3, 1997
MAXIMUM PEAK STAGE			2.38	May 29		
ANNUAL RUNOFF (AC-FT)	94,820		88,240		142,000	
10 PERCENT EXCEEDS	380		297		430	
50 PERCENT EXCEEDS	72		80		99	
90 PERCENT EXCEEDS	39		38		34	

e Estimated

WALKER RIVER BASIN, WALKER RIVER BASIN

10301500 WALKER RIVER NEAR WABUSKA, NV

LOCATION (REVISED).--Lat 39°09'08.86", long 119°05'56" referenced to North American Datum of 1983, in SE ¼ NW ¼ sec. 20, T.15 N., R.26 E., Lyon County, Hydrologic Unit 16050303, on left bank, 600 ft upstream from timber bridge at Julian Ranch, 1.8 mi downstream from Southern Pacific Railroad bridge, 4.6 mi east of Wabuska, and 16 mi upstream from Weber Dam.

DRAINAGE AREA.--2,600 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1902 to December 1904, January 1905 to July 1908 (fragmentary), January 1920 to September 1924, March 1925 to September 1935, January 1939 to current year. Monthly discharge only for some periods published in WSP 1734.

REVISED RECORDS.--WSP 1314: 1923 (M). WSP 1634: 1904.

GAGE.--Water-stage recorder. Elevation of gage is 4,280 ft above National Geodetic Vertical Datum of 1929, from topographic map. July 22, 1902, to July 31, 1908, nonrecording gage at site 2.5 mi upstream at different datum. January 15, 1920, to September 30, 1929, nonrecording gage or water-stage recorder at several sites near present site at various datums; October 1, 1929, to September 30, 1935, water-stage recorder at site 1.5 mi downstream at different datum. January 1939 to September 1958, non-recording gage on bridge 300 ft downstream at datum 1.19 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Many diversions for irrigation above station. Flow regulated by Bridgeport Reservoir (station 10292500) and Topaz Lake (station 10297000), combined capacity, 101,900 acre-ft. No flow at times in 1924, 1925, and 1931. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 3,280 ft³/s, July 10, 11, 1906, gage height, 5.9 ft, site and datum then in use; no flow at times, 1924, 1925, and 1931.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 145 ft³/s, June 17, gage height, 4.65 ft; minimum daily discharge, 3.1 ft³/s, August 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	14	44	40	38	68	e66	33	75	50	24	19
2	32	61	35	43	38	58	e59	22	84	57	30	16
3	44	101	38	36	42	45	46	24	85	79	29	26
4	59	107	41	24	43	33	41	32	61	74	50	30
5	56	97	40	26	41	39	34	55	45	80	55	45
6	60	71	37	27	42	34	27	82	42	83	40	47
7	43	62	35	35	43	28	22	103	48	99	39	46
8	30	55	37	62	48	25	29	116	64	104	30	24
9	29	55	30	64	59	23	23	78	80	67	24	24
10	35	62	32	66	66	22	22	76	81	38	15	20
11	53	52	33	59	61	16	30	85	82	26	6.7	20
12	63	50	37	45	49	14	53	84	63	28	5.1	21
13	65	46	32	40	47	13	51	66	54	42	4.5	22
14	53	49	40	39	46	14	39	48	39	45	17	21
15	54	50	41	35	39	34	44	41	56	48	37	23
16	36	48	47	32	40	55	82	48	117	51	55	21
17	23	50	33	32	49	45	71	63	138	46	100	16
18	15	48	32	34	50	38	64	87	138	36	68	12
19	16	49	42	36	45	42	55	86	105	48	38	7.0
20	19	46	45	38	51	36	107	82	73	53	32	8.8
21	12	45	42	49	49	21	113	100	57	47	33	8.1
22	23	47	39	e49	48	25	113	92	47	28	50	18
23	28	e47	35	e56	51	13	83	98	57	42	74	21
24	27	e48	31	e46	60	18	59	101	61	33	61	24
25	24	e36	32	49	58	43	59	82	69	42	37	25
26	16	e39	33	55	57	55	61	81	81	47	12	25
27	34	e43	26	43	56	e63	56	68	89	46	5.7	21
28	41	50	22	38	62	e63	58	66	85	35	3.1	24
29	31	50	20	38	68	e56	72	62	56	45	8.8	22
30	22	48	39	39	---	e65	116	77	35	35	9.4	23
31	15	---	47	39	---	e67	---	91	---	25	11	---
TOTAL	1,094	1,626	1,117	1,314	1,446	1,171	1,755	2,229	2,167	1,579	1,004.3	679.9
MEAN	35.3	54.2	36.0	42.4	49.9	37.8	58.5	71.9	72.2	50.9	32.4	22.7
MAX	65	107	47	66	68	68	116	116	138	104	100	47
MIN	12	14	20	24	38	13	22	22	35	25	3.1	7.0
AC-FT	2,170	3,230	2,220	2,610	2,870	2,320	3,480	4,420	4,300	3,130	1,990	1,350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 2004, BY WATER YEAR (WY)

MEAN	75.3	89.6	109	129	139	149	153	253	471	251	90.6	67.9
MAX	585	704	854	1,669	905	949	1,344	1,262	2,255	1,604	922	357
(WY)	(1984)	(1983)	(1984)	(1997)	(1997)	(1983)	(1952)	(1969)	(1983)	(1995)	(1983)	(1983)
MIN	0.00	1.53	3.42	7.17	14.0	10.6	10.0	6.00	5.00	0.23	0.00	0.00
(WY)	(1932)	(1932)	(1993)	(1978)	(1930)	(1931)	(1924)	(1924)	(1924)	(1931)	(1924)	(1924)

WALKER RIVER BASIN, WALKER RIVER BASIN
10301500 WALKER RIVER NEAR WABUSKA, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1902 - 2004	
ANNUAL TOTAL	15,243.0		17,182.2			
ANNUAL MEAN	41.8		46.9		166	
HIGHEST ANNUAL MEAN					832	
LOWEST ANNUAL MEAN					12.9	
HIGHEST DAILY MEAN	141	Aug 23	138	Jun 17	2,740	Jun 6, 1986
LOWEST DAILY MEAN	5.4	Aug 12	3.1	Aug 28	0.00	Aug 1, 1924
ANNUAL SEVEN-DAY MINIMUM	6.8	Mar 8	9.9	Aug 26	0.00	Aug 1, 1924
MAXIMUM PEAK FLOW			145	Jun 17	3,280	Jul 10, 1906
MAXIMUM PEAK STAGE			5.14	Aug 17	10.92	Jan 6, 1997
ANNUAL RUNOFF (AC-FT)	30,230		34,080		119,900	
10 PERCENT EXCEEDS	81		81		378	
50 PERCENT EXCEEDS	36		44		68	
90 PERCENT EXCEEDS	14		21		16	

e Estimated

WALKER RIVER BASIN, WALKER RIVER BASIN
10301500 WALKER RIVER NEAR WABUSKA, NV—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960 to June 1996; November 1996 to current year.

PERIOD OF DAILY RECORD.--

CHEMICAL ANALYSES: October 1968 to September 1969.

SPECIFIC CONDUCTANCE: October 1968 to September 1976, once-daily; May 1995 to June 1996, November 1996 to current year, four times per hour.

WATER TEMPERATURE: October 1968 to September 1976, once-daily; May 1995 to June 1996, November 1996 to current year, four times per hour.

INSTRUMENTATION.--Water quality monitor May 1995 to June 1996, November 1996 to current year, four times per hour.

REMARKS.--Inflow from two drainage ditches occasionally enters stream less than a mile above sampling site. Because inflow and streamflow differ in quality, and because the waters do not mix thoroughly above sampling site, flow at site is not homogenous either chemically or thermally when ditches discharge to the stream. Doubtless, this was responsible for some of the variation shown by daily specific-conductance and temperature data during water years 1969-76. Detailed sampling information is available from U.S. Geological Survey, Carson City, NV. Pesticide analyses prior to October 1981 from U.S. Environmental Protection Agency. Records represent water temperature at probe within 0.5°C.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 792 microsiemens, cm at 25°C, December 12, 1972; minimum daily, 116 microsiemens, cm at 25°C, July 23, 1998.

WATER TEMPERATURE: Maximum daily, 35.0°C, July 22, 2003; minimum daily, freezing point on many days during winter months of most years.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 518 microsiemens/cm at 25°C, March 13; minimum, 193 microsiemens/cm at 25°C, June 18.

WATER TEMPERATURE: Maximum, 34.0°C, August 11; minimum, 0.0°C, many days.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	298	270	281	376	359	370	434	425	429	441	431	437
2	298	273	286	368	343	354	435	420	430	441	427	435
3	285	272	280	343	318	328	430	419	424	450	434	442
4	293	282	288	343	333	339	435	422	429	466	443	459
5	290	282	288	344	334	338	432	415	424	474	466	470
6	283	276	279	370	343	358	434	421	427	479	473	476
7	340	282	300	404	369	389	440	430	434	478	452	469
8	312	304	307	421	401	407	441	426	432	452	422	438
9	320	307	313	411	400	405	443	434	439	427	408	421
10	315	281	300	403	397	400	440	429	435	413	392	404
11	285	276	281	405	399	402	441	432	437	407	392	399
12	280	272	276	408	400	404	440	421	428	406	394	401
13	282	271	277	446	401	411	436	428	432	414	399	409
14	300	280	290	432	411	416	433	418	427	418	407	413
15	293	284	288	416	404	409	434	411	423	423	413	417
16	315	292	305	410	407	408	431	410	419	431	421	426
17	345	313	327	409	399	406	444	423	433	430	420	426
18	358	343	350	412	400	409	462	431	447	424	419	421
19	358	344	352	410	394	406	450	423	438	421	413	416
20	348	340	344	412	401	408	433	422	428	416	402	410
21	370	346	361	416	407	413	434	423	429	403	393	398
22	352	343	346	423	414	417	436	424	429	404	395	399
23	383	348	359	427	415	423	444	431	436	401	393	399
24	392	374	384	436	420	427	446	438	443	406	393	400
25	398	377	392	439	429	433	446	439	443	406	398	402
26	415	365	397	439	422	431	442	434	439	400	393	396
27	365	310	334	440	422	432	469	442	457	400	391	396
28	310	296	302	427	418	423	483	469	476	409	399	404
29	329	297	317	422	415	418	496	468	485	410	406	408
30	345	327	339	430	412	417	473	440	462	411	406	409
31	370	344	357	---	---	---	440	430	433	414	406	410
MONTH	415	270	319	446	318	400	496	410	437	479	391	420

WALKER RIVER BASIN, WALKER RIVER BASIN
10301500 WALKER RIVER NEAR WABUSKA, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.5	15.0	19.0	12.5	3.5	6.5	5.5	0.0	2.5	3.0	0.0	1.5
2	23.0	13.5	18.0	5.5	1.0	3.5	6.5	0.5	3.0	2.5	0.0	0.5
3	22.5	13.0	17.5	7.5	3.5	5.0	7.0	1.5	3.5	2.0	0.0	0.5
4	22.0	14.0	17.5	7.5	2.5	4.5	4.5	0.5	2.5	0.0	0.0	0.0
5	21.0	14.0	17.5	9.0	4.5	6.0	7.0	3.0	4.5	0.0	0.0	0.0
6	22.0	13.0	17.0	7.0	2.5	5.0	8.0	4.0	6.0	0.5	0.0	0.0
7	23.5	13.0	17.5	8.0	3.5	5.0	8.5	4.0	6.0	3.0	0.0	0.5
8	23.0	11.5	16.5	7.0	3.5	5.0	6.0	1.5	3.5	2.5	0.0	0.5
9	21.5	11.0	16.0	8.0	4.5	6.0	4.0	0.0	1.5	1.0	0.0	0.0
10	18.0	9.0	13.0	8.5	4.0	6.0	5.0	0.5	2.5	2.5	0.0	0.5
11	17.0	7.5	12.0	8.5	3.0	5.5	5.5	1.5	3.0	3.5	0.0	1.0
12	17.0	9.0	12.5	8.5	2.5	5.5	3.5	0.0	1.5	4.0	0.0	1.0
13	16.0	8.5	12.0	10.0	5.5	7.0	7.0	1.5	3.5	4.5	0.0	1.5
14	16.5	7.0	11.5	9.0	3.5	6.0	5.5	1.0	3.0	4.5	0.0	1.5
15	14.5	7.5	11.5	6.0	4.5	5.5	4.0	0.0	1.0	5.0	0.0	1.5
16	17.5	7.5	12.0	8.5	3.5	5.5	3.0	0.0	0.5	4.5	0.0	1.5
17	19.0	7.5	13.0	11.0	5.5	7.5	3.5	0.0	0.5	5.0	0.0	1.5
18	19.0	8.0	12.5	10.0	4.0	6.5	3.5	0.0	0.5	4.5	0.0	1.5
19	18.0	9.0	13.5	10.0	4.0	6.5	2.0	0.0	0.5	5.0	0.0	1.5
20	20.0	8.0	13.5	10.0	5.0	7.0	3.0	0.0	1.5	3.5	1.0	2.0
21	21.0	8.0	13.5	7.0	3.0	5.0	6.5	1.5	3.0	4.0	0.0	1.0
22	19.0	8.5	13.5	5.5	1.0	2.5	4.0	0.5	2.0	3.5	0.0	0.5
23	19.0	9.5	13.5	3.5	0.0	1.0	4.5	0.5	2.0	2.5	0.0	0.5
24	17.0	6.0	11.0	3.5	0.0	1.0	3.0	1.0	2.0	5.5	0.0	2.0
25	16.5	5.0	10.0	5.0	0.0	1.5	3.5	1.0	2.5	5.0	0.0	2.0
26	17.5	4.5	10.0	5.0	0.0	1.5	3.5	0.0	0.5	2.0	0.0	0.5
27	15.5	6.0	10.5	3.5	0.0	1.5	1.0	0.0	0.0	2.0	0.0	0.5
28	15.5	7.5	11.0	4.5	1.5	3.0	0.5	0.0	0.0	4.5	0.0	1.5
29	15.5	8.0	11.0	5.5	2.5	4.0	1.5	0.0	0.5	6.5	0.0	3.0
30	11.5	5.0	7.5	4.5	2.0	3.5	4.0	0.0	1.0	5.0	1.0	3.0
31	8.5	3.0	5.5	---	---	---	1.5	0.0	0.5	7.0	1.5	3.5
MONTH	24.5	3.0	13.2	12.5	0.0	4.7	8.5	0.0	2.1	7.0	0.0	1.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	6.5	0.5	3.0	9.5	4.0	6.0	15.5	8.5	11.0	25.0	10.0	16.5
2	5.0	2.0	3.5	9.0	3.5	5.5	16.5	6.0	11.0	28.0	11.5	19.0
3	4.5	0.0	2.0	10.5	2.0	6.0	20.5	7.5	13.5	28.5	13.5	20.0
4	6.0	1.0	3.0	12.0	2.5	7.0	22.5	11.0	16.0	25.5	14.0	19.5
5	5.5	0.0	2.0	12.5	3.5	8.0	24.0	10.5	16.0	23.5	14.5	18.5
6	4.0	0.0	1.5	16.5	4.5	9.5	22.5	9.5	15.0	23.0	14.5	18.0
7	7.0	0.0	3.0	17.0	4.5	10.0	21.5	8.0	14.0	21.5	13.0	17.0
8	6.5	0.0	2.5	18.5	4.5	11.0	22.0	9.0	14.5	22.0	13.5	17.5
9	6.5	1.0	3.0	19.5	5.5	12.0	23.0	8.0	14.5	23.5	14.0	18.5
10	6.0	0.0	2.5	19.5	7.0	12.0	22.0	7.5	14.0	20.0	12.5	16.5
11	6.5	0.0	2.5	19.5	4.5	11.0	22.5	7.0	14.0	18.0	12.5	15.0
12	6.5	0.0	2.5	19.5	4.5	11.0	20.0	9.5	14.5	21.0	10.5	15.5
13	3.5	0.0	1.5	21.0	4.0	11.5	19.0	10.5	14.0	23.5	12.5	17.5
14	7.0	0.0	2.5	21.5	5.0	12.0	19.5	9.0	13.5	24.5	13.5	18.5
15	8.0	1.5	4.5	19.5	7.5	13.0	15.0	7.5	11.5	23.0	14.5	18.0
16	8.0	4.5	6.5	18.0	7.5	12.5	13.5	6.5	10.5	24.0	13.5	18.5
17	10.5	4.0	7.0	19.5	7.0	13.0	13.5	8.0	10.5	23.5	14.0	18.5
18	8.0	5.0	6.5	19.0	7.5	13.0	17.5	5.5	11.0	21.5	12.5	17.0
19	10.0	2.0	5.5	19.0	9.5	13.5	19.0	8.0	13.0	23.0	14.0	18.0
20	9.0	3.5	6.0	21.5	8.0	14.0	13.5	10.0	11.5	22.5	14.5	17.5
21	9.0	4.0	6.0	23.0	8.5	15.0	17.0	9.0	12.5	21.5	13.5	17.0
22	9.5	4.5	7.0	22.5	10.5	15.5	18.0	9.0	13.0	23.0	14.0	18.0
23	10.5	5.0	7.0	24.5	8.0	15.0	20.0	9.0	14.0	22.0	14.0	17.5
24	11.0	4.0	6.5	21.0	7.0	13.0	22.0	9.5	15.5	21.5	13.5	17.5
25	6.5	4.5	5.5	16.0	7.5	11.5	22.5	11.0	16.5	22.0	14.0	18.0
26	10.0	2.5	6.0	14.5	5.5	9.5	23.5	12.0	17.5	23.5	13.5	18.5
27	8.5	3.5	5.5	16.5	6.5	11.0	23.5	13.0	18.0	22.0	16.5	19.0
28	8.0	3.0	5.0	17.0	7.0	12.0	19.0	12.0	15.5	22.5	15.5	18.5
29	10.5	2.0	6.0	21.0	7.0	13.5	19.5	8.5	13.5	23.5	14.0	18.5
30	---	---	---	18.5	11.0	14.0	19.5	10.5	14.5	24.5	14.0	19.0
31	---	---	---	19.0	10.0	14.0	---	---	---	24.0	16.0	19.5
MONTH	11.0	0.0	4.3	24.5	2.0	11.5	24.0	5.5	13.8	28.5	10.0	17.9

WALKER RIVER BASIN, WALKER RIVER BASIN

10301600 WALKER RIVER ABOVE WEBER RESERVOIR NEAR SCHURZ, NV

LOCATION.--Lat 39°06'12", long 118°55'42" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec. 02, T.14 N., R.27 E., Lyon County, Hydrologic Unit 16050303, on left bank, 5.5 mi upstream from Weber Dam, about 11 mi downstream from gage near Wabuska, and 12 mi northwest of Schurz.

DRAINAGE AREA.--2,700 mi².

PERIOD OF RECORD.--June 1977 to September 1982, June 1994 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,215 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to September 1982, at same site at datum 1.0 ft higher.

REMARKS.--No estimated daily discharges. Records fair. Many diversions for irrigation above station. Flow regulated by Bridgeport Reservoir (station 10292500) and Topaz Lake (station 10297000), combined capacity, 101,900 acre-ft. [See schematic diagram of Walker River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 2,000 ft³/s, July 5, 1980, gage height, unknown; maximum gage height, 10.37 ft, January 8, 1997 (different datum); no flow July 16-18, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 78 ft³/s, June 19, gage height, 6.23 ft; minimum daily discharge, 3.5 ft³/s, September 1, 22.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	16	42	38	36	42	43	60	66	29	16	3.5
2	30	15	40	32	36	45	41	43	63	29	12	6.8
3	25	31	35	33	37	39	37	35	65	38	16	12
4	27	52	34	23	38	32	34	34	65	50	21	15
5	29	56	36	17	38	24	31	39	55	53	26	20
6	27	53	37	15	37	25	29	50	45	55	31	23
7	26	49	37	17	39	24	26	59	38	55	27	25
8	22	48	36	25	39	21	23	67	37	58	23	25
9	18	49	36	36	41	19	23	71	43	59	20	21
10	18	48	33	41	44	22	21	64	50	42	16	18
11	23	49	33	41	46	28	20	67	52	23	14	17
12	29	47	32	40	44	29	21	68	53	13	12	14
13	34	46	34	37	40	27	26	68	48	11	9.4	13
14	38	46	32	33	39	25	27	64	41	18	7.6	12
15	34	47	33	32	39	26	25	59	31	25	15	11
16	30	47	31	30	36	32	27	56	28	31	41	11
17	23	44	33	28	36	42	36	58	56	35	55	11
18	18	42	27	30	39	41	37	63	71	36	65	9.8
19	13	42	24	32	40	39	39	71	76	30	59	8.5
20	10	42	34	33	37	39	39	72	65	28	51	6.5
21	9.2	40	37	32	39	38	50	71	51	39	46	4.4
22	9.9	40	34	32	38	34	56	75	38	42	43	3.5
23	10	38	33	30	37	33	60	72	30	26	43	4.2
24	13	40	31	38	37	29	55	74	35	23	46	7.7
25	13	41	28	40	42	26	49	73	37	21	40	9.6
26	14	37	27	35	42	34	48	68	40	20	32	11
27	14	36	21	41	39	38	49	66	45	26	22	11
28	16	41	15	37	38	41	47	62	54	28	12	11
29	20	43	14	37	40	42	48	60	58	20	7.6	12
30	19	43	16	36	---	37	52	57	46	22	4.3	14
31	18	---	28	36	---	43	---	61	---	22	3.7	---
TOTAL	668.1	1,268	963	1,007	1,133	1,016	1,119	1,907	1,482	1,007	836.6	371.5
MEAN	21.6	42.3	31.1	32.5	39.1	32.8	37.3	61.5	49.4	32.5	27.0	12.4
MAX	38	56	42	41	46	45	60	75	76	59	65	25
MIN	9.2	15	14	15	36	19	20	34	28	11	3.7	3.5
AC-FT	1,330	2,520	1,910	2,000	2,250	2,020	2,220	3,780	2,940	2,000	1,660	737

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	42.0	66.2	71.5	152	163	138	143	338	399	246	76.6	60.2
MAX	149	206	182	1,146	722	387	563	864	1,017	1,155	260	236
(WY)	(1981)	(1999)	(1996)	(1997)	(1997)	(1996)	(1982)	(1997)	(1995)	(1995)	(1980)	(1980)
MIN	3.39	0.03	3.97	6.12	20.0	9.87	16.5	32.0	18.3	20.6	14.6	12.4
(WY)	(1978)	(1978)	(1978)	(1978)	(1978)	(2002)	(2002)	(2003)	(2002)	(1977)	(2002)	(2004)

WALKER RIVER BASIN, WALKER RIVER BASIN

10301600 WALKER RIVER ABOVE WEBER RESERVOIR NEAR SCHURZ, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	10,861.1		12,778.2			
ANNUAL MEAN	29.8		34.9		163	
HIGHEST ANNUAL MEAN					374	
LOWEST ANNUAL MEAN					18.5	
HIGHEST DAILY MEAN	109	Jun 2	76	Jun 19	1,900	Jul 5, 1980
LOWEST DAILY MEAN	1.1	Aug 13	3.5	Sep 1	0.00	Jul 16, 1977
ANNUAL SEVEN-DAY MINIMUM	4.6	Aug 10	6.3	Sep 19	0.00	Oct 14, 1994
MAXIMUM PEAK FLOW			78	Jun 19	2,000	Jul 5, 1980
MAXIMUM PEAK STAGE			6.28	Nov 5	10.37	Jan 8, 1997
ANNUAL RUNOFF (AC-FT)	21,540		25,350		118,400	
10 PERCENT EXCEEDS	54		58		492	
50 PERCENT EXCEEDS	26		36		58	
90 PERCENT EXCEEDS	12		13		14	

WALKER RIVER BASIN, WALKER RIVER BASIN
10301700 WEBER RESERVOIR NEAR SCHURZ, NV

LOCATION.--Lat 39°02'41", long 118°51'33" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec. 28, T.14 N., R.28 E., Mineral County, Hydrologic Unit 16050303, approximately 8 mi above Schurz.

DRAINAGE AREA.--2,770 mi².

PERIOD OF RECORD.--April 1995 to June 1996; November 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,221 ft above National Geodetic Vertical Datum of 1929 (project datum Bureau of Indian Affairs).

REMARKS.--Reservoir is formed by earth and gravel-fill dam, constructed by Bureau of Indian Affairs (formerly U. S. Indian Service). Construction started September 21, 1933. Storage began July 27, 1934, although it was nearly a year later before the dam was completely finished. Capacity 10,700 acre-ft, with a surface area at 900 acres, determined from Bathymetric Survey by U. S. Geological Survey in 1973. Many diversions for irrigation above reservoir. Flow regulated by Bridgeport Reservoir (station 10292500) and Topaz Lake (station 10297000), combined capacity, 101,900 acre-ft. [See schematic diagram of Walker River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 10,600 acre-ft, June 5, 1999, elevation, 4207.93 ft; minimum, 53 acre-ft, August 12, 2000, elevation 4182.05.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 6,180 acre-ft, January 14, 15, gage height, 4,202.31 ft; minimum contents, 771 acre-ft, September 18, gage height, 4,189.47 ft.

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

4,181	0	4,200	4,750
4,185	250	4,205	8,200
4,190	850	4,208	10,700
4,195	2,100		

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,920	2,090	4,570	5,620	5,990	5,410	5,260	5,390	4,870	3,730	2,400	1,650
2	3,990	2,050	4,650	5,680	5,970	5,530	5,350	5,470	4,830	3,730	2,410	1,570
3	4,030	2,020	4,720	5,730	5,950	5,620	5,420	5,510	4,770	3,670	2,420	1,460
4	4,070	2,040	4,760	5,770	5,930	5,700	5,500	5,400	4,740	3,610	2,420	1,390
5	4,130	2,120	4,810	5,790	5,910	5,740	5,560	5,290	4,680	3,560	2,430	1,350
6	4,060	2,220	4,840	5,820	5,920	5,790	5,590	5,180	4,610	3,510	2,440	1,310
7	3,950	2,310	4,860	5,840	5,880	5,840	5,620	5,090	4,530	3,440	2,470	1,300
8	3,850	2,390	4,860	5,880	5,880	5,880	5,650	5,060	4,500	3,400	2,490	1,290
9	3,710	2,500	4,850	5,930	5,870	5,920	5,670	5,060	4,430	3,360	2,510	1,270
10	3,570	2,620	4,870	6,010	5,870	5,880	5,700	5,010	4,230	3,300	2,530	1,240
11	3,430	2,750	4,870	6,090	5,810	5,720	5,720	4,990	3,940	3,230	2,540	1,200
12	3,310	2,870	4,860	6,150	5,650	5,530	5,750	4,940	3,680	3,120	2,540	1,200
13	3,210	2,980	4,860	6,170	5,460	5,280	5,770	4,880	3,480	2,990	2,540	1,150
14	3,130	3,080	4,870	6,180	5,270	5,060	5,790	4,840	3,310	2,860	2,530	1,050
15	3,040	3,180	4,870	6,160	5,100	4,850	5,840	4,810	3,190	2,730	2,580	962
16	2,970	3,290	4,900	6,140	4,990	4,650	5,880	4,780	3,170	2,590	2,590	886
17	2,890	3,390	4,950	6,110	4,930	4,600	5,950	4,720	3,180	2,490	2,670	799
18	2,820	3,490	5,000	6,080	4,860	4,650	6,050	4,690	3,250	2,440	2,790	785
19	2,730	3,580	5,040	6,060	4,780	4,690	5,870	4,670	3,320	2,400	2,920	802
20	2,650	3,690	5,090	6,030	4,690	4,740	5,550	4,680	3,370	2,370	2,890	817
21	2,560	3,770	5,160	6,010	4,720	4,780	5,150	4,700	3,370	2,340	2,790	829
22	2,490	3,860	5,220	5,990	4,790	4,820	4,920	4,720	3,390	2,330	2,680	840
23	2,440	3,940	5,250	6,000	4,870	4,850	4,810	4,730	3,390	2,340	2,580	844
24	2,390	4,020	5,320	6,010	4,930	4,860	4,910	4,730	3,390	2,330	2,480	850
25	2,340	4,100	5,380	6,040	5,000	4,890	4,990	4,720	3,390	2,330	2,410	862
26	2,300	4,180	5,420	6,050	5,090	4,890	5,050	4,710	3,390	2,320	2,330	877
27	2,250	4,260	5,450	6,090	5,160	4,930	5,120	4,680	3,400	2,300	2,220	894
28	2,200	4,320	5,480	6,090	5,220	4,990	5,170	4,660	3,460	2,310	2,110	906
29	2,160	4,410	5,500	6,080	5,290	5,050	5,210	4,720	3,550	2,340	1,990	919
30	2,140	4,490	5,520	6,050	---	5,110	5,280	4,800	3,650	2,360	1,870	934
31	2,130	---	5,560	6,020	---	5,170	---	4,880	---	2,390	1,740	---
MAX	4,130	4,490	5,560	6,180	5,990	5,920	6,050	5,510	4,870	3,730	2,920	1,650
MIN	2,130	2,020	4,570	5,620	4,690	4,600	4,810	4,660	3,170	2,300	1,740	785
#	4,195.07	4,199.53	4,201.40	4,202.09	4,200.99	4,200.77	4,200.97	4,200.23	4,198.08	4,195.72	4,193.97	4,190.56
##	-1,720	+2,360	+1,070	+460	-730	-120	+110	-400	-1,230	-1,260	-650	-806

CAL YR 2003 MAX 5,560 MIN 78,140 ## +3,860
WTR YR 2004 MAX 6,180 MIN 785 ## -292

Elevation, in feet above NGVD 1929, at end of month, present datum.

Change in contents, in acre-feet.

WALKER RIVER BASIN, WALKER RIVER BASIN
10301742 CANAL NO 2 ABOVE LITTLE DAM NEAR SCHURZ, NV

LOCATION.--Lat 39°00'51", long 118°51'36" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec. 04, T.13 N., R.28 E., Mineral County, Hydrologic Unit 16050303, on right bank of canal, about 2 mi downstream from Weber Dam, and about 5 mi northwest of Schurz.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1995 to June 1996, November 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by control gate on Walker River and many diversions above station. See schematic diagram of Walker River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 89 ft³/s, April 26, 1997; no flow many days, most years.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.22	0.67	0.01	0.00	0.00	0.00	0.18	0.00	27	0.63	0.27	36
2	0.21	0.64	0.00	0.00	0.00	0.00	0.19	0.00	45	0.51	0.09	34
3	0.15	0.47	0.00	0.00	0.00	0.00	0.20	0.00	45	16	0.08	36
4	0.14	0.32	0.00	e0.00	0.00	0.00	0.20	25	45	26	0.03	37
5	0.14	0.28	0.00	0.00	0.00	0.00	0.15	35	46	27	0.04	29
6	17	0.27	0.00	0.00	0.00	0.04	0.09	39	47	32	0.25	27
7	30	0.28	0.00	0.00	0.00	0.04	0.10	41	51	e38	0.15	27
8	23	0.31	0.00	0.00	0.00	0.02	0.07	41	40	e38	0.05	26
9	22	0.27	0.00	0.00	0.01	0.01	0.04	40	38	35	0.05	27
10	24	0.19	0.00	0.00	0.00	0.01	0.05	39	42	36	0.00	29
11	24	0.00	0.00	0.00	0.00	0.02	0.11	46	43	38	0.00	29
12	29	0.01	0.00	0.00	0.00	0.04	0.09	50	43	41	0.00	15
13	31	0.00	0.00	0.00	0.00	0.03	0.06	49	42	43	0.00	3.9
14	29	0.00	0.00	0.00	0.00	0.00	0.06	45	37	43	0.00	0.25
15	28	0.02	0.00	0.00	0.00	0.00	0.06	38	35	42	0.01	0.21
16	28	0.02	0.00	0.00	0.00	0.03	0.04	36	35	42	0.04	0.16
17	28	0.05	0.00	0.00	0.00	0.04	0.03	39	34	38	0.03	0.17
18	28	0.07	0.00	0.00	0.00	0.06	0.02	41	23	37	0.00	0.16
19	28	0.06	0.00	0.00	0.00	0.06	0.05	41	0.30	30	0.01	0.14
20	24	0.06	0.00	0.00	0.00	0.05	0.10	39	0.11	30	22	0.14
21	24	0.06	0.00	0.00	0.00	0.04	0.10	37	0.06	26	35	0.01
22	29	0.04	0.00	0.00	0.00	0.06	0.10	32	0.08	27	35	0.00
23	36	0.02	0.00	0.00	0.00	0.07	0.08	31	0.06	25	35	0.00
24	38	0.01	0.00	0.00	0.00	0.18	0.05	31	0.02	23	35	0.00
25	38	0.01	0.00	0.00	0.01	0.22	0.01	33	0.05	26	35	0.00
26	38	0.05	0.00	0.00	0.00	0.30	0.04	34	0.23	26	35	0.00
27	38	0.03	0.00	0.00	0.00	0.41	0.03	33	0.15	25	36	0.00
28	30	0.04	0.00	0.01	0.00	0.36	0.02	33	0.05	21	35	0.00
29	24	0.06	0.00	0.00	0.00	0.54	0.02	16	0.09	4.4	35	0.00
30	6.7	0.05	0.00	0.00	---	0.46	0.00	0.32	0.43	0.18	35	0.00
31	0.66	---	0.00	0.00	---	0.24	---	0.14	---	0.54	36	---
TOTAL	696.22	4.36	0.01	0.01	0.02	3.33	2.34	964.46	719.63	837.26	410.10	357.14
MEAN	22.5	0.15	0.00	0.00	0.00	0.11	0.08	31.1	24.0	27.0	13.2	11.9
MAX	38	0.67	0.01	0.01	0.01	0.54	0.20	50	51	43	36	37
MIN	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.18	0.00	0.00
AC-FT	1,380	8.6	0.02	0.02	0.04	6.6	4.6	1,910	1,430	1,660	813	708

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	16.4	1.03	0.16	0.03	0.03	0.04	11.2	34.6	30.4	32.6	26.9	22.5
MAX	22.5	3.40	0.63	0.13	0.17	0.13	30.7	47.1	45.7	52.7	54.3	45.9
(WY)	(2004)	(1998)	(2000)	(2000)	(2000)	(2000)	(1996)	(1999)	(1999)	(1998)	(1998)	(1998)
MIN	7.35	0.00	0.00	0.00	0.00	0.00	0.08	23.3	20.2	14.3	6.79	0.85
(WY)	(2001)	(2002)	(1996)	(1996)	(2001)	(2001)	(2004)	(2003)	(2002)	(2001)	(2001)	(2002)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1995 - 2004

ANNUAL TOTAL	3,847.53	3,994.88	
ANNUAL MEAN	10.5	10.9	13.0
HIGHEST ANNUAL MEAN			21.0
LOWEST ANNUAL MEAN			7.61
HIGHEST DAILY MEAN	57	51	89
LOWEST DAILY MEAN	0.00	0.00	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00	0.00
ANNUAL RUNOFF (AC-FT)	7,630	7,920	9,440
10 PERCENT EXCEEDS	35	38	42
50 PERCENT EXCEEDS	0.08	0.08	0.22
90 PERCENT EXCEEDS	0.00	0.00	0.00

e Estimated

WALKER RIVER BASIN, WALKER RIVER BASIN
10301755 CANAL NO 1 BELOW LITTLE DAM NEAR SCHURZ, NV

LOCATION.--Lat 39°00'45", long 118°51'37" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec. 04, T.13 N., R.28 E., Mineral County, Hydrologic Unit 16050303, on left bank of canal which diverts from the right bank of river, about 2 mi downstream from Weber Dam, and about 5 mi northwest of Schurz.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1995 to June 1996, November 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for daily discharges below 0.10 cfs, which are poor. Flow regulated by control gate on Walker River. [See schematic diagram of Walker River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 55 ft³/s, July 15, 1998, no flow many days, most years.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.02	0.27	0.01	0.01	0.00	0.00	0.00	0.00	19	0.03	0.01	33
2	0.03	0.26	0.01	0.01	0.00	0.00	0.00	0.00	34	14	0.00	27
3	0.03	0.26	0.01	0.01	0.00	0.00	0.00	0.99	34	36	0.01	25
4	0.03	0.26	0.01	0.01	0.00	0.00	0.00	20	34	35	0.01	8.2
5	0.03	0.25	0.01	0.01	0.00	0.00	0.00	39	35	35	0.01	0.07
6	19	0.26	0.01	0.00	0.00	0.00	0.00	39	32	33	0.01	0.05
7	34	0.25	0.02	0.00	0.00	0.00	0.00	41	22	33	0.00	0.04
8	35	0.24	0.03	0.00	0.00	0.00	0.01	41	11	32	0.03	0.05
9	35	0.24	0.03	0.00	0.00	0.00	0.00	43	9.4	32	0.03	0.04
10	37	0.13	0.02	0.00	0.00	0.00	0.00	45	0.12	33	0.02	0.03
11	38	0.01	0.01	0.00	0.00	0.00	0.01	47	0.05	33	0.01	0.03
12	38	0.01	0.01	0.00	0.00	0.00	0.00	49	0.05	34	0.01	0.04
13	37	0.02	0.01	0.00	0.00	0.00	0.00	48	0.05	34	0.00	0.05
14	37	0.02	0.02	0.00	0.00	0.00	0.00	41	0.05	33	0.00	0.05
15	38	0.02	0.03	0.00	0.00	0.00	0.00	33	0.04	33	0.01	0.05
16	38	0.01	0.03	0.00	0.00	0.00	0.00	31	0.05	33	0.02	0.05
17	38	0.01	0.03	0.00	0.00	0.00	0.00	27	0.03	33	0.01	0.05
18	31	0.02	0.03	0.00	0.00	0.00	0.00	24	0.02	25	0.02	0.04
19	26	0.02	0.02	0.00	0.00	0.01	0.00	23	0.03	21	0.03	0.03
20	20	0.02	0.01	0.00	0.00	0.03	0.00	22	0.03	16	17	0.03
21	20	0.02	0.02	0.00	0.00	0.03	0.00	22	0.03	14	37	0.03
22	5.9	0.01	0.02	0.00	0.00	0.05	0.00	26	0.03	6.8	38	0.03
23	0.72	0.00	0.01	0.00	0.00	0.05	0.00	27	0.02	0.10	38	0.03
24	0.65	0.00	0.01	0.00	0.00	0.05	0.00	34	0.01	0.08	38	0.02
25	0.55	0.01	0.02	0.00	0.00	0.03	0.00	38	0.01	0.06	37	0.01
26	0.50	0.01	0.01	0.00	0.00	0.03	0.00	37	0.01	0.06	37	0.01
27	0.43	0.01	0.02	0.00	0.00	0.02	0.00	37	0.02	0.03	36	0.00
28	8.2	0.01	0.02	0.00	0.00	0.02	0.00	37	0.02	0.02	36	0.00
29	11	0.01	0.02	0.00	0.00	0.01	0.00	17	0.02	0.00	36	0.00
30	3.0	0.01	0.02	0.00	---	0.01	0.00	0.08	0.02	0.00	36	0.00
31	0.29	---	0.01	0.00	---	0.01	---	0.09	---	0.01	36	---
TOTAL	552.38	2.67	0.54	0.05	0.00	0.35	0.02	889.16	231.11	599.19	422.24	94.03
MEAN	17.8	0.09	0.02	0.00	0.00	0.01	0.00	28.7	7.70	19.3	13.6	3.13
MAX	38	0.27	0.03	0.01	0.00	0.05	0.01	49	35	36	38	33
MIN	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
AC-FT	1,100	5.3	1.1	0.1	0.00	0.7	0.04	1,760	458	1,190	838	187

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	7.15	0.22	0.69	0.26	0.00	0.01	7.26	21.7	18.1	21.7	17.9	12.8
MAX	17.8	1.40	5.81	2.26	0.01	0.02	15.1	32.4	29.3	33.7	30.9	25.5
(WY)	(2004)	(2000)	(1997)	(1997)	(2000)	(2000)	(1996)	(1997)	(1996)	(1998)	(1998)	(1997)
MIN	0.07	0.00	0.00	0.00	0.00	0.00	0.00	10.9	7.70	10.6	4.22	1.64
(WY)	(2003)	(2002)	(1996)	(2001)	(1997)	(1997)	(2004)	(2003)	(2004)	(2002)	(2001)	(2003)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1995 - 2004
ANNUAL TOTAL	2,637.64	2,791.74	
ANNUAL MEAN	7.23	7.63	7.91
HIGHEST ANNUAL MEAN			11.4
LOWEST ANNUAL MEAN			5.71
HIGHEST DAILY MEAN	45	49	55
LOWEST DAILY MEAN	0.00	0.00	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00	0.00
ANNUAL RUNOFF (AC-FT)	5,230	5,540	5,730
10 PERCENT EXCEEDS	29	35	32
50 PERCENT EXCEEDS	0.03	0.02	0.05
90 PERCENT EXCEEDS	0.00	0.00	0.00

WALKER RIVER BASIN, WALKER RIVER BASIN

10302002 WALKER RIVER AT LATERAL 2-A SIPHON NEAR SCHURZ, NV

LOCATION.--Lat 38°56'25", long 118°48'10" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec. 36, T.13 N., R.28 E., Mineral County, Hydrologic Unit 16050303, on left bank, 0.4 mi east of U.S. Highway 95 and U.S. Alternate Highway 95 Junction, and 0.9 mi southeast of U.S. Highway 95 Highway Bridge in Schurz.

DRAINAGE AREA.--Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,140 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation above station. Flow regulated by Bridgeport Reservoir (station 10292500), Topaz Lake (station 10297000), and Weber Reservoir (station 10301700), combined capacity, 112,600 acre-ft. [See schematic diagram of Walker River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,400 ft³/s, January 9, 1997, gage height, 7.39 ft, maximum gage height, 7.82 ft, July 16, 1995; no flow many days, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 232 ft³/s, April 21, gage height, 4.12 ft; minimum daily discharge, 0.00 ft³/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	11	0.00	0.00	42	2.1	0.47	1.1	0.00	3.2	0.00	0.00
2	0.00	21	0.00	0.00	42	2.6	0.43	0.56	0.00	2.2	0.00	0.00
3	0.00	24	0.00	0.00	42	2.3	0.37	0.49	0.00	1.3	0.00	0.00
4	0.00	23	0.00	0.00	42	1.7	0.10	0.55	0.00	0.73	0.00	0.00
5	0.00	24	0.00	0.00	41	1.6	0.00	0.21	0.00	0.49	0.00	0.00
6	0.00	19	0.00	0.00	37	1.1	0.00	0.00	0.00	0.54	0.00	0.00
7	0.00	13	1.3	0.00	37	0.69	0.00	0.00	0.15	1.0	0.00	0.00
8	0.00	11	9.1	0.00	36	0.59	0.00	0.00	1.2	0.63	0.00	0.00
9	0.00	6.9	17	0.00	36	0.52	0.00	0.00	1.1	0.48	0.00	0.00
10	0.00	6.0	23	0.00	36	0.49	0.00	0.00	11	0.56	0.00	0.00
11	0.00	4.4	25	0.00	38	44	0.00	0.00	91	0.48	0.00	0.00
12	0.00	1.5	25	0.00	93	87	0.00	0.00	123	0.40	0.00	0.00
13	0.00	0.57	26	0.00	127	126	0.00	0.00	107	0.11	0.00	0.00
14	0.00	0.49	26	e8.5	127	133	0.00	0.00	87	0.00	0.00	0.00
15	0.00	0.43	26	e19	129	128	0.00	0.00	74	0.00	0.00	26
16	0.00	0.25	25	27	128	123	0.00	0.00	49	0.00	0.00	44
17	0.00	0.00	13	30	67	109	0.00	0.00	19	0.00	0.00	48
18	0.00	0.00	e3.9	32	69	28	0.00	0.00	8.8	0.08	0.00	51
19	0.00	0.00	e1.8	33	78	14	0.43	0.00	8.9	0.09	0.00	21
20	0.00	0.00	0.58	34	78	9.3	130	0.00	30	0.68	0.00	5.5
21	0.00	0.00	0.50	33	73	7.0	224	0.00	38	0.72	0.00	2.5
22	0.00	0.00	0.41	33	22	5.8	196	0.00	37	0.49	0.00	0.74
23	0.00	0.00	0.27	e29	11	4.7	165	0.00	27	0.41	0.00	0.50
24	0.00	0.00	0.01	23	7.8	3.7	65	0.00	24	0.25	0.00	0.27
25	0.00	0.00	0.00	22	6.4	3.0	17	0.00	23	0.00	0.00	0.00
26	0.00	0.00	0.00	22	4.9	2.5	10	0.00	22	0.00	0.00	0.00
27	0.00	0.00	0.00	22	3.4	1.8	6.7	0.00	21	0.00	0.00	0.00
28	0.00	0.00	0.00	24	2.8	1.3	4.4	0.00	20	0.00	0.00	0.00
29	0.00	0.00	0.00	32	2.4	0.82	3.1	0.00	12	0.00	0.00	0.00
30	0.00	0.00	0.00	40	---	0.58	2.0	0.00	4.9	0.00	0.00	0.00
31	0.00	---	0.00	41	---	0.51	---	0.00	---	0.00	0.00	---
TOTAL	0.00	166.54	223.87	504.50	1,458.7	846.70	825.00	2.91	840.05	14.84	0.00	199.51
MEAN	0.00	5.55	7.22	16.3	50.3	27.3	27.5	0.09	28.0	0.48	0.00	6.65
MAX	0.00	24	26	41	129	133	224	1.1	123	3.2	0.00	51
MIN	0.00	0.00	0.00	0.00	2.4	0.49	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	330	444	1,000	2,890	1,680	1,640	5.8	1,670	29	0.00	396

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	21.8	61.1	78.0	216	197	138	89.1	332	445	243	54.9	18.0
MAX	74.5	220	198	1,557	914	410	321	918	1,206	1,438	339	76.2
(WY)	(1999)	(1999)	(1999)	(1997)	(1997)	(1996)	(1998)	(1997)	(1995)	(1995)	(1995)	(1998)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1995)	(1995)	(1995)	(1995)	(1995)	(1995)	(2002)	(2002)	(2002)	(2002)	(2001)	(2001)

WALKER RIVER BASIN, WALKER RIVER BASIN

10302002 WALKER RIVER AT LATERAL 2-A SIPHON NEAR SCHURZ, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1995 - 2004	
ANNUAL TOTAL	612.91		5,082.62			
ANNUAL MEAN	1.68		13.9		158	
HIGHEST ANNUAL MEAN					431	1997
LOWEST ANNUAL MEAN					0.39	2002
HIGHEST DAILY MEAN	26	Dec 13	224	Apr 21	2,300	Jan 10, 1997
LOWEST DAILY MEAN	0.00	Jan 16	0.00	Oct 1	0.00	Oct 1, 1994
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 16	0.00	Oct 1	0.00	Oct 1, 1994
MAXIMUM PEAK FLOW			232	Apr 21	2,400	Jan 9, 1997
MAXIMUM PEAK STAGE			4.12	Apr 21	7.82	Jul 16, 1995
ANNUAL RUNOFF (AC-FT)	1,220		10,080		114,200	
10 PERCENT EXCEEDS	2.7		41		510	
50 PERCENT EXCEEDS	0.00		0.11		26	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

WALKER RIVER BASIN, WALKER RIVER BASIN

10302002 WALKER RIVER AT LATERAL 2-A SIPHON NEAR SCHURZ, NV—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November and December 1993, May to June 1996, November 1996 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1995 to June 1996 (seasonal), November 1996 to current year.

WATER TEMPERATURE: May 1995 to June 1996 (seasonal), November 1996 to current year.

INSTRUMENTATION.--Specific conductance and water temperature monitor May 1995 to June 1996, November 1996 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. Records represent water temperature at probe within 0.5°C. Interruptions in record due to partial or no flow during the day or during some days.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 931 microsiemens, cm at 25°C, October 17, 2000; minimum, 143 microsiemens, cm at 25°C, May 12, 1998.

WATER TEMPERATURE: Maximum recorded, 34.0°C, July 24, 2004; minimum daily, freezing point many days during winter months of most years.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 916 microsiemens/cm at 25°C, July 19; minimum, 358 microsiemens/cm at 25°C, June 22.

WATER TEMPERATURE: Maximum, 34.0°C, July 24; minimum, 0.0°C, on several days.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	698	390	492	---	---	---	---	---	---
2	---	---	---	391	376	383	---	---	---	---	---	---
3	---	---	---	380	373	377	---	---	---	---	---	---
4	---	---	---	381	375	378	---	---	---	---	---	---
5	---	---	---	383	379	381	---	---	---	---	---	---
6	---	---	---	385	378	381	---	---	---	---	---	---
7	---	---	---	396	382	390	789	722	756	---	---	---
8	---	---	---	402	388	395	767	492	573	---	---	---
9	---	---	---	409	396	403	492	431	456	---	---	---
10	---	---	---	414	407	410	433	426	429	---	---	---
11	---	---	---	419	407	413	427	422	425	---	---	---
12	---	---	---	434	417	427	429	423	426	---	---	---
13	---	---	---	455	434	446	430	425	428	---	---	---
14	---	---	---	473	452	464	430	423	426	736	531	612
15	---	---	---	480	471	476	429	425	426	532	459	490
16	---	---	---	498	477	490	432	427	429	461	454	458
17	---	---	---	---	---	---	436	428	432	460	453	456
18	---	---	---	---	---	---	450	435	443	458	452	454
19	---	---	---	---	---	---	464	450	457	460	453	456
20	---	---	---	---	---	---	475	462	470	460	454	457
21	---	---	---	---	---	---	486	473	481	461	452	456
22	---	---	---	---	---	---	501	484	493	460	453	456
23	---	---	---	---	---	---	505	494	500	460	450	456
24	---	---	---	---	---	---	506	502	504	461	455	458
25	---	---	---	---	---	---	---	---	---	465	455	460
26	---	---	---	---	---	---	---	---	---	465	455	459
27	---	---	---	---	---	---	---	---	---	463	452	457
28	---	---	---	---	---	---	---	---	---	461	450	456
29	---	---	---	---	---	---	---	---	---	458	451	455
30	---	---	---	---	---	---	---	---	---	456	446	451
31	---	---	---	---	---	---	---	---	---	453	444	448
MONTH	---	---	---	698	373	419	789	422	475	736	444	466

WALKER RIVER BASIN, WALKER RIVER BASIN

10302002 WALKER RIVER AT LATERAL 2-A SIPHON NEAR SCHURZ, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	9.0	5.0	7.0	---	---	---	---	---	---
2	---	---	---	7.0	5.5	6.5	---	---	---	---	---	---
3	---	---	---	8.5	5.5	6.5	---	---	---	---	---	---
4	---	---	---	8.5	5.5	7.0	---	---	---	---	---	---
5	---	---	---	9.0	6.5	7.5	---	---	---	---	---	---
6	---	---	---	8.0	5.5	6.5	---	---	---	---	---	---
7	---	---	---	8.5	5.0	6.5	5.5	4.5	4.5	---	---	---
8	---	---	---	7.0	5.0	6.0	6.0	2.5	4.0	---	---	---
9	---	---	---	10.0	5.5	7.0	3.5	1.5	2.0	---	---	---
10	---	---	---	10.0	5.5	7.0	4.0	1.5	2.5	---	---	---
11	---	---	---	8.5	4.5	6.0	5.0	3.0	3.5	---	---	---
12	---	---	---	9.0	3.5	5.5	3.0	2.0	2.5	---	---	---
13	---	---	---	10.5	5.5	7.0	4.5	2.5	3.5	---	---	---
14	---	---	---	10.0	3.5	6.0	4.5	2.0	3.0	2.5	0.0	0.5
15	---	---	---	6.0	4.0	5.0	2.5	0.5	1.5	1.5	0.0	0.5
16	---	---	---	9.5	2.5	6.0	2.5	0.0	1.0	3.0	0.5	1.5
17	---	---	---	---	---	---	2.0	0.0	1.0	3.5	1.5	2.0
18	---	---	---	---	---	---	3.0	0.0	0.5	3.5	2.0	2.5
19	---	---	---	---	---	---	2.0	0.0	0.5	4.0	2.0	2.5
20	---	---	---	---	---	---	3.0	0.0	1.5	4.0	2.5	3.5
21	---	---	---	---	---	---	5.0	0.5	2.0	4.0	1.5	2.5
22	---	---	---	---	---	---	3.5	0.0	1.5	2.5	0.5	1.5
23	---	---	---	---	---	---	4.5	1.0	2.5	2.5	0.0	1.0
24	---	---	---	---	---	---	2.0	1.5	2.0	4.0	1.0	2.5
25	---	---	---	---	---	---	---	---	---	4.5	1.5	3.0
26	---	---	---	---	---	---	---	---	---	2.5	0.5	1.5
27	---	---	---	---	---	---	---	---	---	2.5	1.5	2.0
28	---	---	---	---	---	---	---	---	---	3.0	1.0	2.0
29	---	---	---	---	---	---	---	---	---	4.5	1.5	3.0
30	---	---	---	---	---	---	---	---	---	4.0	3.0	3.5
31	---	---	---	---	---	---	---	---	---	5.0	3.5	4.0
MONTH	---	---	---	10.5	2.5	6.4	6.0	0.0	2.2	5.0	0.0	2.2
	FEBRUARY			MARCH			APRIL			MAY		
1	4.5	2.5	3.5	11.0	4.5	7.0	14.5	8.0	11.0	25.0	10.5	17.5
2	4.0	3.5	4.0	9.0	4.5	6.0	19.5	5.5	12.0	27.0	12.5	19.5
3	4.0	2.5	3.5	11.0	4.5	7.0	22.0	7.5	14.5	28.5	15.5	21.0
4	4.0	3.0	3.5	12.0	4.5	7.5	16.5	11.5	13.5	27.5	14.5	19.5
5	4.0	1.5	3.0	13.5	4.5	8.5	---	---	---	27.5	14.0	17.5
6	3.0	1.0	2.5	17.0	6.5	11.0	---	---	---	---	---	---
7	4.0	2.5	3.0	17.5	6.0	11.0	---	---	---	---	---	---
8	4.0	1.5	2.5	18.5	6.0	12.0	---	---	---	---	---	---
9	4.5	2.5	3.5	20.0	7.0	12.5	---	---	---	---	---	---
10	4.5	2.0	3.0	21.0	8.5	14.0	---	---	---	---	---	---
11	4.0	1.5	3.0	14.0	6.5	11.0	---	---	---	---	---	---
12	4.0	1.5	3.0	13.5	9.5	11.5	---	---	---	---	---	---
13	3.5	2.0	3.0	13.5	9.5	11.5	---	---	---	---	---	---
14	5.0	2.5	3.5	14.0	10.5	12.5	---	---	---	---	---	---
15	6.0	4.0	4.5	15.0	11.5	13.5	---	---	---	---	---	---
16	6.0	5.0	5.5	14.5	11.5	13.0	---	---	---	---	---	---
17	7.5	4.5	6.0	15.0	11.5	13.5	---	---	---	---	---	---
18	7.0	5.5	6.5	16.0	11.0	13.5	---	---	---	---	---	---
19	7.0	4.0	5.5	18.0	13.0	14.5	---	---	---	---	---	---
20	7.0	4.5	6.0	19.0	11.0	14.5	14.5	12.5	13.5	---	---	---
21	8.0	5.5	6.5	20.0	12.0	15.0	15.5	11.0	13.5	---	---	---
22	8.0	6.0	7.0	21.0	13.0	16.0	15.5	11.0	13.5	---	---	---
23	8.5	5.5	6.5	21.5	12.5	16.0	16.5	11.5	14.0	---	---	---
24	10.0	4.5	6.5	21.0	11.5	15.5	18.0	13.0	15.5	---	---	---
25	6.5	5.0	6.0	17.5	10.0	13.5	20.0	13.5	16.5	---	---	---
26	11.5	4.0	7.0	17.5	9.0	12.5	22.0	14.0	17.5	---	---	---
27	10.5	4.5	7.0	20.5	8.0	13.0	23.5	15.0	18.0	---	---	---
28	8.5	4.0	6.0	20.0	8.0	13.5	20.0	13.0	16.5	---	---	---
29	12.0	4.0	7.0	20.5	8.5	14.0	22.5	10.5	15.5	---	---	---
30	---	---	---	19.0	11.0	14.0	24.5	9.5	16.0	---	---	---
31	---	---	---	23.0	9.0	14.5	---	---	---	---	---	---
MONTH	12.0	1.0	4.8	23.0	4.5	12.4	24.5	5.5	14.7	28.5	10.5	19.0

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10308200 EAST FORK CARSON RIVER BELOW MARKLEEVILLE CREEK NEAR MARKLEEVILLE, CA

LOCATION.--Lat 38°42'53", long 119°45'50" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec. 15, T.10 N., R.20 E., Alpine County, Hydrologic Unit 16050201, on right bank, 0.5 mi downstream from Markleeville Creek, 1.5 mi northeast of Markleeville, and at mi 114.75 upstream from Lahontan Dam.

DRAINAGE AREA.--276 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 5,400 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 1, 1967, at present site at datum 2.00 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. A few small diversions for irrigation above station. Flow slightly regulated by several small reservoirs, total capacity, about 5,000 acre-ft. [See schematic diagram of Carson River Basin, Upper Carson River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,900 ft³/s, January 2, 1997, gage height, 11.78 ft; minimum daily, 12 ft³/s, September 10-13, 23, 1997.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 5	0000	*1,560	*4.32	May 28	1015	1,390	4.15

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	40	44	63	62	111	545	792	696	178	67	38
2	46	35	44	58	67	108	452	960	699	171	71	38
3	47	44	42	60	60	101	443	1,150	711	166	72	46
4	45	35	42	65	64	103	525	1,270	687	156	81	47
5	44	45	67	e70	58	110	648	1,330	653	147	89	40
6	45	42	166	e75	66	130	685	1,230	640	148	95	39
7	45	46	178	e80	69	157	605	1,070	621	144	95	38
8	43	43	80	82	57	197	634	999	542	131	81	37
9	41	55	67	86	73	247	658	973	479	123	74	44
10	41	38	68	78	65	303	671	952	424	116	71	38
11	43	45	59	77	58	316	645	787	404	107	68	35
12	43	49	57	75	58	319	674	700	392	100	63	34
13	43	53	72	74	60	331	713	706	390	102	74	33
14	44	49	64	75	67	369	632	755	406	102	81	39
15	42	52	42	76	61	425	566	770	402	98	75	37
16	41	48	58	72	127	425	489	769	377	97	85	35
17	42	51	69	74	217	409	444	789	368	93	74	34
18	41	51	71	74	223	481	404	753	357	89	69	34
19	41	51	70	70	155	564	377	684	341	84	73	42
20	41	55	72	72	130	561	363	679	317	80	67	40
21	40	51	69	71	118	663	358	648	299	88	61	42
22	39	42	59	57	111	716	357	623	280	91	60	41
23	39	31	63	85	103	659	338	629	275	91	66	40
24	39	52	137	79	97	659	396	614	266	85	65	38
25	39	51	120	68	166	592	485	594	250	79	57	38
26	39	46	83	61	165	412	598	582	234	77	65	44
27	39	46	53	69	121	363	774	625	222	74	64	44
28	38	47	70	62	115	331	898	1,100	212	76	61	44
29	38	47	85	66	111	351	822	832	201	75	57	45
30	37	45	73	65	---	515	722	714	192	72	51	44
31	37	---	73	64	---	545	---	709	---	70	47	---
TOTAL	1,288	1,385	2,317	2,203	2,904	11,573	16,921	25,788	12,337	3,310	2,179	1,188
MEAN	41.5	46.2	74.7	71.1	100	373	564	832	411	107	70.3	39.6
MAX	47	55	178	86	223	716	898	1,330	711	178	95	47
MIN	37	31	42	57	57	101	338	582	192	70	47	33
AC-FT	2,550	2,750	4,600	4,370	5,760	22,960	33,560	51,150	24,470	6,570	4,320	2,360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2004, BY WATER YEAR (WY)

	78.0	107	130	191	203	286	547	1,124	977	384	141	86.5
MEAN	78.0	107	130	191	203	286	547	1,124	977	384	141	86.5
MAX	346	476	718	1,722	917	983	1,121	2,447	2,996	1,721	477	239
(WY)	(1983)	(1984)	(1965)	(1997)	(1986)	(1986)	(1982)	(1969)	(1983)	(1995)	(1983)	(1983)
MIN	24.0	32.6	41.4	44.2	43.9	58.7	183	197	135	58.0	33.0	18.0
(WY)	(1978)	(1977)	(1991)	(1977)	(1991)	(1977)	(1977)	(1977)	(1992)	(1977)	(1977)	(1987)

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10308200 EAST FORK CARSON RIVER BELOW MARKLEEVILLE CREEK NEAR MARKLEEVILLE, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1960 - 2004	
ANNUAL TOTAL	109,384		83,393			
ANNUAL MEAN	300		228		355	
HIGHEST ANNUAL MEAN					809	
LOWEST ANNUAL MEAN					83.7	
HIGHEST DAILY MEAN	2,480	May 30	1,330	May 5	12,500	Jan 2, 1997
LOWEST DAILY MEAN	31	Nov 23	31	Nov 23	12	Sep 10, 1987
ANNUAL SEVEN-DAY MINIMUM	38	Oct 27	35	Sep 12	12	Sep 7, 1987
MAXIMUM PEAK FLOW			1,560	May 5	18,900	Jan 2, 1997
MAXIMUM PEAK STAGE			4.32	May 5	11.78	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	217,000		165,400		257,100	
10 PERCENT EXCEEDS	844		672		952	
50 PERCENT EXCEEDS	125		76		141	
90 PERCENT EXCEEDS	44		41		50	

e Estimated

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10308783 LEVIATHAN CREEK ABOVE LEVIATHAN MINE, NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'05", long 119°39'20", in SW ¼ NE ¼ sec.22, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, on right bank, 2 mi north of Highway 89, and 6.5 mi east of Markleeville.

DRAINAGE AREA.—4.16 mi².

PERIOD OF RECORD.—October 1998 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 7,200 ft above NGVD of 1929, from topographic map.

REMARKS.—Records fair except those below 0.2 ft³/s and estimated values, which are poor.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 21 ft³/s, May 7, 1999, gage height, 4.40 ft, maximum gage height, 4.67 ft, Jan. 7, 2001, backwater from ice; minimum daily, 0.01 ft³/s, Sept. 15, 26–28, 2004.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base discharge of 10 ft³/s, or maximum:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 19	0445	7.0	4.23

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.06	0.14	e0.15	e0.09	e0.16	0.15	e0.79	0.59	0.16	0.07	0.02	0.07
2	0.06	0.13	0.15	e0.09	0.20	0.15	e0.44	0.60	0.15	0.07	0.03	0.10
3	0.07	0.13	0.14	e0.09	e0.14	0.14	e0.61	0.59	0.13	0.07	0.04	0.10
4	0.07	0.16	0.15	e0.09	e0.12	0.14	e1.1	0.48	0.12	0.06	0.06	0.02
5	0.08	0.15	0.21	e0.09	e0.17	0.12	e1.4	0.43	0.13	0.06	0.04	0.03
6	0.07	0.12	0.23	e0.09	0.20	0.13	e0.91	0.37	0.11	0.07	0.03	0.02
7	0.07	0.14	0.19	e0.09	e0.17	0.17	e0.77	0.33	0.12	0.13	0.09	0.04
8	0.07	0.13	e0.11	e0.09	0.20	0.17	e0.76	0.33	0.11	0.07	0.05	0.03
9	0.08	0.27	e0.13	e0.09	0.19	0.19	e0.79	0.32	0.10	0.07	0.05	0.04
10	0.10	0.13	e0.14	e0.09	0.19	0.22	e0.87	0.33	0.09	0.05	0.04	0.02
11	0.09	0.17	e0.12	e0.09	0.20	0.18	e1.0	0.34	0.09	0.11	0.04	0.03
12	0.08	0.15	e0.08	e0.09	0.20	0.19	e0.86	0.35	0.09	0.07	0.27	0.07
13	0.08	0.16	e0.08	e0.09	0.19	0.22	e0.99	0.31	0.11	0.13	0.13	0.02
14	0.08	0.16	e0.08	e0.09	0.20	0.27	e1.2	0.35	0.09	0.05	0.10	0.02
15	0.08	0.17	e0.07	e0.09	0.19	0.39	e0.96	0.43	0.12	0.03	0.09	0.01
16	0.10	0.16	e0.06	e0.09	0.19	0.56	e1.4	0.25	0.12	0.03	0.09	0.02
17	0.09	0.15	e0.07	e0.09	0.18	1.1	e1.7	0.26	0.15	0.02	0.06	0.02
18	0.08	0.15	e0.07	e0.09	0.17	1.8	e0.97	0.30	0.09	0.02	0.06	0.02
19	0.08	0.15	e0.07	e0.09	e0.16	2.2	e1.0	0.25	0.08	0.02	0.10	0.02
20	0.08	0.16	e0.08	e0.09	e0.16	1.1	1.6	0.29	0.08	0.02	0.07	0.02
21	0.09	0.16	e0.08	e0.08	e0.15	1.8	1.3	0.27	0.10	0.02	0.06	0.02
22	0.10	e0.17	e0.08	e0.08	e0.15	1.6	1.1	0.23	0.10	0.03	0.08	0.02
23	0.09	e0.14	e0.08	e0.10	e0.15	1.5	1.0	0.23	0.09	0.03	0.13	0.03
24	0.10	e0.20	e0.08	e0.10	e0.15	1.5	0.72	0.22	0.08	0.02	0.08	0.02
25	0.10	0.20	e0.08	e0.10	e0.15	e1.4	0.84	0.21	0.07	0.02	0.06	0.03
26	0.11	0.18	e0.08	e0.11	e0.15	e1.1	0.93	0.21	0.06	0.02	0.05	0.01
27	0.11	e0.17	e0.08	e0.10	e0.15	e1.2	0.88	0.21	0.06	0.02	0.05	0.01
28	0.10	e0.17	e0.08	e0.14	0.16	1.1	0.73	0.22	0.08	0.02	0.06	0.01
29	0.09	e0.16	e0.09	e0.14	0.15	1.1	0.72	0.18	0.08	0.03	0.06	0.02
30	0.11	e0.16	e0.09	e0.14	---	1.3	0.55	0.18	0.12	0.02	0.06	0.02
31	0.09	---	e0.09	e0.14	---	1.4	---	0.20	---	0.02	0.07	---
TOTAL	2.66	4.79	3.29	3.03	4.94	24.59	28.89	9.86	3.08	1.47	2.22	0.91
MEAN	0.09	0.16	0.11	0.10	0.17	0.79	0.96	0.32	0.10	0.05	0.07	0.03
MAX	0.11	0.27	0.23	0.14	0.20	2.2	1.7	0.60	0.16	0.13	0.27	0.10
MIN	0.06	0.12	0.06	0.08	0.12	0.12	0.44	0.18	0.06	0.02	0.02	0.01
AC-FT	5.3	9.5	6.5	6.0	9.8	49	57	20	6.1	2.9	4.4	1.8

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

	1999	2000	2001	2002	2003	2004
MEAN	0.08	0.13	0.13	0.16	0.16	0.52
MAX	0.11	0.20	0.24	0.27	0.29	0.83
(WY)	2000	1999	1999	1999	1999	1999
MIN	0.04	0.09	0.07	0.09	0.08	0.29
(WY)	2002	2001	2003	2001	2001	2002

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
	Value	Date	Value	Date	Value	Date
ANNUAL TOTAL	133.04		89.73			
ANNUAL MEAN	0.36		0.25		0.24	
HIGHEST ANNUAL MEAN					0.36	2003
LOWEST ANNUAL MEAN					0.13	2001
HIGHEST DAILY MEAN	2.5	Apr 12	2.2	Mar 19	15	May 7 1999
LOWEST DAILY MEAN	0.03	Aug 8	0.01	Sep 15	0.01	Sep 15 2004
ANNUAL SEVEN-DAY MINIMUM	0.03	Aug 8	0.02	Sep 24	0.02	Sep 24 2004
MAXIMUM PEAK FLOW			7.0	Mar 19	21	May 7 1999
MAXIMUM PEAK STAGE			4.23	Mar 19	4.67	Jan 7 2001
ANNUAL RUNOFF (AC-FT)	264		178		175	
10 PERCENT EXCEEDS	1.3		0.79		0.60	
50 PERCENT EXCEEDS	0.14		0.11		0.10	
90 PERCENT EXCEEDS	0.05		0.03		0.04	

e Estimated.

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10308784 LEVIATHAN MINE ADIT DRAIN NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'15", long 119°39'28", in NW ¼ NE ¼ sec.22, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, 2.2 mi north of State Highway 89, and 6.5 mi southeast of Markleeville.

PERIOD OF RECORD.—November 1998 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 7,100 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily discharge, 0.09 ft³/s, May 15–18, 1999; minimum daily, 0.0219 ft³/s, Feb. 19, 20, 2002.

EXTREMES FOR CURRENT YEAR.—Maximum daily discharge, 0.0453 ft³/s, Apr. 22; minimum daily, 0.0256 ft³/s, Feb. 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0302	0.0286	0.0269	0.0267	0.0267	0.0259	0.0351	0.0428	0.0311	0.0300	0.0284	0.0272
2	0.0314	0.0289	0.0272	0.0269	0.0270	0.0258	0.0353	0.0426	0.0307	0.0300	0.0284	0.0275
3	0.0321	0.0288	0.0272	0.0267	0.0266	0.0264	0.0359	0.0419	0.0307	0.0296	0.0289	0.0281
4	0.0311	0.0288	0.0267	0.0268	0.0264	0.0263	0.0367	0.0423	0.0305	0.0293	0.0288	0.0280
5	0.0304	0.0284	0.0268	0.0269	0.0269	0.0260	0.0373	0.0426	0.0311	0.0292	0.0287	0.0274
6	0.0295	0.0284	0.0268	0.0266	0.0267	0.0258	0.0379	0.0427	0.0307	0.0294	0.0285	0.0276
7	0.0287	0.0280	0.0271	0.0262	0.0269	0.0259	0.0391	0.0422	0.0312	0.0293	0.0284	0.0272
8	0.0278	0.0282	0.0273	0.0265	0.0268	0.0262	0.0395	0.0423	0.0314	0.0294	0.0282	0.0272
9	0.0280	0.0279	0.0272	0.0266	0.0265	0.0263	0.0398	0.0422	0.0318	0.0291	0.0280	0.0274
10	0.0283	0.0277	0.0275	0.0268	0.0267	0.0264	0.0412	0.0422	0.0311	0.0293	0.0284	0.0271
11	0.0283	0.0282	0.0274	0.0268	0.0268	0.0276	0.0416	0.0426	0.0310	0.0291	0.0282	0.0267
12	0.0275	0.0282	0.0270	0.0264	0.0267	0.0279	0.0419	0.0422	0.0306	0.0290	0.0284	0.0271
13	0.0281	0.0277	0.0270	0.0267	0.0266	0.0281	0.0428	0.0410	0.0303	0.0288	0.0285	0.0272
14	0.0278	0.0278	0.0273	0.0269	0.0265	0.0285	0.0431	0.0401	0.0299	0.0286	0.0279	0.0273
15	0.0277	0.0282	0.0271	0.0268	0.0260	0.0293	0.0437	0.0396	0.0299	0.0288	0.0286	0.0271
16	0.0272	0.0277	0.0270	0.0269	0.0259	0.0297	0.0440	0.0385	0.0302	0.0287	0.0285	0.0272
17	0.0275	0.0272	0.0271	0.0269	0.0256	0.0301	0.0446	0.0377	0.0303	0.0287	0.0281	0.0272
18	0.0273	0.0273	0.0270	0.0267	0.0259	0.0301	0.0445	0.0374	0.0300	0.0288	0.0284	0.0279
19	0.0270	0.0273	0.0268	0.0268	0.0260	0.0303	0.0448	0.0366	0.0299	0.0285	0.0284	0.0281
20	0.0269	0.0270	0.0268	0.0268	0.0265	0.0303	0.0447	0.0358	0.0299	0.0284	0.0284	0.0281
21	0.0272	0.0275	0.0267	0.0270	0.0262	0.0307	0.0450	0.0352	0.0297	0.0289	0.0282	0.0280
22	0.0272	0.0281	0.0271	0.0273	0.0262	0.0307	0.0453	0.0345	0.0299	0.0292	0.0286	0.0277
23	0.0274	0.0279	0.0269	0.0270	0.0259	0.0308	0.0445	0.0333	0.0297	0.0289	0.0283	0.0275
24	0.0274	0.0277	0.0270	0.0269	0.0262	0.0315	0.0447	0.0327	0.0301	0.0282	0.0282	0.0273
25	0.0275	0.0279	0.0270	0.0270	0.0264	0.0315	0.0438	0.0326	0.0296	0.0286	0.0277	0.0271
26	0.0274	0.0273	0.0270	0.0269	0.0258	0.0324	0.0433	0.0318	0.0297	0.0288	0.0279	0.0273
27	0.0277	0.0274	0.0270	0.0268	0.0261	0.0321	0.0433	0.0318	0.0298	0.0287	0.0282	0.0275
28	0.0276	0.0270	0.0272	0.0267	0.0261	0.0323	0.0439	0.0324	0.0297	0.0284	0.0278	0.0272
29	0.0276	0.0269	0.0269	0.0269	0.0258	0.0326	0.0439	0.0315	0.0300	0.0285	0.0277	0.0278
30	0.0279	0.0272	0.0265	0.0271	---	0.0327	0.0434	0.0316	0.0302	0.0285	0.0276	0.0277
31	0.0292	---	0.0265	0.0269	---	0.0334	---	0.0314	---	0.0285	0.0272	---
TOTAL	0.8769	0.8352	0.8370	0.8309	0.7644	0.9036	1.2546	1.1741	0.9107	0.8972	0.8755	0.8237
MEAN	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.03
MAX	0.0321	0.0289	0.0275	0.0273	0.0270	0.0334	0.0453	0.0428	0.0318	0.0300	0.0289	0.0281
MIN	0.0269	0.0269	0.0265	0.0262	0.0256	0.0258	0.0351	0.0314	0.0296	0.0282	0.0272	0.0267
AC-FT	1.7	1.7	1.7	1.6	1.5	1.8	2.5	2.3	1.8	1.8	1.7	1.6

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

103087853 LEVIATHAN MINE POND 1 NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'15", long 119°39'28", in NW ¼ NE ¼ sec.22, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, 2.2 mi north of Highway 89 and 6.5 mi southeast of Markleeville.

PERIOD OF RECORD.—November 1999 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 7,100 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum elevation, 7.88 ft, Apr. 19, 20, 2000; minimum, 4.34 ft, Sept. 27, 2001.

EXTREMES FOR CURRENT YEAR.—Maximum elevation, 7.22 ft, May 6; minimum, 4.43 ft, Oct. 2, 5, July 16–18.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.55	4.45	4.72	5.52	5.96	6.65	7.03	7.19	7.18	5.12	4.50	5.14
2	4.43	4.45	4.73	5.54	6.03	6.68	7.05	7.18	7.17	5.10	4.49	5.15
3	4.44	4.45	4.74	5.55	6.03	6.69	7.06	7.18	7.16	5.10	4.50	5.16
4	4.44	4.45	4.75	5.56	6.03	6.70	7.10	7.21	7.15	5.10	4.50	5.18
5	4.43	4.46	4.78	5.57	6.05	6.71	7.11	7.21	7.14	5.10	4.51	5.20
6	4.44	4.46	4.86	5.59	e6.04	6.73	7.11	7.22	7.12	5.23	4.51	5.22
7	4.44	4.46	4.90	5.60	6.03	6.75	7.11	7.16	7.10	5.35	4.52	5.24
8	4.44	4.46	4.90	5.61	6.04	6.77	7.12	7.16	7.09	5.44	4.53	5.25
9	4.44	4.48	4.92	5.62	6.05	6.80	7.12	7.16	7.09	5.61	4.54	5.27
10	4.45	4.49	4.98	5.63	6.07	6.84	7.12	7.15	7.09	5.71	4.55	5.29
11	4.44	4.50	5.00	5.65	6.08	6.85	7.14	7.17	7.09	5.76	4.56	4.67
12	4.45	4.51	5.02	5.66	6.09	6.88	7.14	7.18	7.12	5.66	4.67	4.45
13	4.45	4.51	5.02	5.67	6.10	6.91	7.14	7.18	7.05	5.34	4.71	4.45
14	4.45	4.53	5.10	5.73	6.11	6.94	7.13	7.18	7.04	4.91	4.74	4.45
15	4.46	4.54	5.11	5.74	6.17	6.97	7.13	7.17	6.99	4.49	4.77	4.45
16	4.46	4.55	5.12	5.75	6.26	7.00	7.13	7.19	6.89	4.43	4.80	4.45
17	4.46	4.56	5.13	5.76	6.25	7.03	7.13	7.19	6.79	4.43	4.82	4.45
18	4.47	4.58	5.14	5.78	6.30	7.06	7.14	7.18	6.73	4.43	4.84	4.45
19	4.47	4.59	5.15	5.79	6.31	7.09	7.15	7.18	6.63	4.44	4.87	4.44
20	4.47	4.60	5.17	5.83	6.32	6.97	e7.17	7.18	6.50	4.44	4.91	4.44
21	4.47	4.61	5.18	5.84	6.33	6.96	e7.18	7.18	6.38	4.44	4.92	4.45
22	4.48	4.62	5.17	5.85	6.36	6.97	e7.19	7.18	6.33	4.44	4.96	4.45
23	4.48	4.63	5.18	5.88	6.35	6.98	7.19	7.18	6.49	4.46	4.97	4.46
24	4.47	4.64	5.27	5.88	6.36	6.99	7.18	7.16	e6.49	4.46	4.99	4.46
25	4.48	4.65	5.34	5.88	6.48	7.00	7.19	7.16	5.78	4.47	5.01	4.46
26	4.48	4.66	5.35	5.90	6.64	6.99	7.19	7.16	5.66	4.47	5.02	4.46
27	4.48	4.67	5.36	5.91	6.65	7.02	7.19	7.17	5.53	4.50	5.04	4.46
28	4.46	4.68	5.38	5.93	6.62	7.03	7.18	7.20	5.39	4.48	5.06	4.46
29	4.46	4.70	5.42	5.93	6.64	7.03	7.18	7.20	5.39	4.48	5.08	4.47
30	4.46	4.72	5.44	5.93	---	7.02	7.19	7.19	5.27	4.49	5.10	4.46
31	4.46	---	5.45	5.95	---	7.03	---	7.18	---	4.54	5.12	---
MEAN	4.46	4.56	5.09	5.74	6.23	6.90	7.14	7.18	6.63	4.85	4.78	4.71
MAX	4.55	4.72	5.45	5.95	6.65	7.09	7.19	7.22	7.18	5.76	5.12	5.29
MIN	4.43	4.45	4.72	5.52	5.96	6.65	7.03	7.15	5.27	4.43	4.49	4.44

CAL YR 2003 MEAN 5.73 MAX 7.05 MIN 4.43
WTR YR 2004 MEAN 5.69 MAX 7.22 MIN 4.43

e Estimated.

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10308785 LEVIATHAN MINE PIT DRAIN NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'15", long 119°39'28", in NW ¼ NE ¼ sec.22, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, 2.2 mi north of Highway 89, and 6.5 mi southeast of Markleeville.

PERIOD OF RECORD.—February 2000 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 7,100 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily discharge, 0.0120 ft³/s, Apr. 15, 17, 28, 2004; no flow Nov. 10, to Dec. 11, 2003.

EXTREMES FOR CURRENT YEAR.—Maximum daily discharge, 0.0120 ft³/s, Apr. 15, 17, 28; no flow Nov. 10, to Dec. 11.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0005	0.0005	e0.0000	0.0006	0.0006	0.0009	0.0045	0.0065	0.0027	0.0012	0.0008	0.0011
2	0.0005	0.0005	e0.0000	0.0006	0.0006	0.0009	0.0042	0.0076	0.0027	0.0012	0.0008	0.0011
3	0.0004	0.0005	e0.0000	0.0006	0.0006	0.0011	0.0042	e0.0080	0.0025	0.0012	0.0008	0.0011
4	0.0004	0.0005	e0.0000	0.0006	0.0006	0.0011	0.0046	e0.0070	0.0023	0.0012	0.0008	0.0011
5	0.0004	e0.0004	e0.0000	0.0006	0.0006	0.0008	0.0061	e0.0070	0.0025	0.0011	0.0008	0.0011
6	0.0004	e0.0003	e0.0000	0.0006	0.0006	0.0008	0.0064	0.0065	0.0026	0.0011	0.0008	0.0011
7	0.0004	e0.0002	e0.0000	0.0006	0.0006	0.0009	0.0065	0.0064	0.0027	0.0012	0.0007	0.0011
8	0.0004	e0.0001	e0.0000	0.0006	0.0006	0.0009	0.0066	e0.0060	0.0027	0.0012	0.0007	0.0011
9	0.0004	e0.0001	e0.0000	0.0006	0.0006	e0.0009	0.0067	e0.0070	0.0023	0.0012	0.0007	0.0011
10	0.0005	e0.0000	e0.0000	0.0006	0.0006	e0.0010	0.0081	0.0073	0.0021	0.0011	0.0006	0.0010
11	0.0004	e0.0000	e0.0000	0.0006	0.0006	e0.0012	0.0094	0.0067	0.0021	0.0010	0.0006	0.0010
12	0.0004	e0.0000	e0.0001	0.0006	0.0006	0.0013	0.0099	0.0065	0.0020	0.0010	0.0006	0.0011
13	0.0005	e0.0000	e0.0001	0.0006	0.0006	0.0016	0.0117	0.0061	0.0019	0.0009	0.0006	0.0011
14	0.0005	e0.0000	e0.0002	0.0006	0.0006	0.0016	0.0114	0.0060	0.0019	0.0009	0.0006	0.0011
15	0.0005	e0.0000	e0.0003	0.0006	0.0006	0.0020	0.0120	0.0064	0.0020	0.0009	0.0006	0.0011
16	0.0005	e0.0000	e0.0003	0.0006	0.0006	0.0023	0.0119	0.0064	0.0019	0.0009	0.0006	0.0011
17	0.0004	e0.0000	e0.0004	0.0006	0.0005	0.0028	0.0120	0.0061	0.0018	0.0009	0.0006	0.0011
18	0.0005	e0.0000	e0.0004	0.0006	0.0006	0.0035	0.0105	0.0050	0.0017	0.0009	0.0006	0.0011
19	0.0005	e0.0000	e0.0005	0.0006	0.0006	0.0086	0.0103	0.0050	0.0016	0.0009	0.0006	0.0011
20	0.0004	e0.0000	0.0006	0.0006	0.0006	0.0085	0.0104	0.0049	0.0016	0.0009	0.0006	0.0011
21	0.0005	e0.0000	0.0006	0.0006	0.0007	0.0085	0.0110	0.0047	0.0016	0.0009	0.0006	0.0010
22	0.0005	e0.0000	0.0006	0.0006	0.0007	0.0092	0.0100	0.0045	0.0016	0.0009	0.0006	0.0011
23	0.0005	e0.0000	0.0006	0.0006	0.0007	0.0080	0.0100	0.0047	0.0015	0.0009	0.0006	0.0010
24	0.0005	e0.0000	0.0006	0.0007	0.0007	0.0075	0.0100	0.0042	0.0014	0.0009	0.0006	0.0010
25	0.0004	e0.0000	0.0006	0.0006	0.0007	0.0067	0.0086	0.0042	0.0014	0.0008	0.0009	0.0010
26	0.0004	e0.0000	0.0006	0.0006	0.0008	0.0053	0.0070	0.0040	0.0015	0.0009	0.0011	0.0011
27	0.0005	e0.0000	0.0006	0.0006	0.0008	0.0041	0.0090	0.0038	0.0015	0.0009	0.0011	0.0011
28	0.0005	e0.0000	0.0006	0.0006	0.0007	0.0044	0.0120	0.0042	0.0014	0.0009	0.0011	0.0011
29	0.0005	e0.0000	0.0006	0.0006	0.0008	0.0052	0.0099	0.0033	0.0013	0.0009	0.0011	0.0011
30	0.0006	e0.0000	0.0006	0.0006	---	0.0054	0.0066	0.0027	0.0012	0.0008	0.0011	0.0011
31	0.0006	---	0.0006	0.0006	---	0.0048	---	0.0027	---	0.0009	0.0011	---
TOTAL	0.0144	0.0031	0.0095	0.0187	0.0185	0.1118	0.2615	0.1714	0.0580	0.0306	0.0234	0.0324
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
MAX	0.0006	0.0005	0.0006	0.0007	0.0008	0.0092	0.0120	0.0080	0.0027	0.0012	0.0011	0.0011
MIN	0.0004	0.0000	0.0000	0.0006	0.0005	0.0008	0.0042	0.0027	0.0012	0.0008	0.0006	0.0010
AC-FT	0.03	0.01	0.02	0.04	0.04	0.2	0.5	0.3	0.1	0.06	0.05	0.06

e Estimated.

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

103087885 LEVIATHAN CREEK CHANNEL UNDERDRAIN NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'34", long 119°39'41", in SE ¼ SW ¼ sec.15, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, 2.9 mi north of State Highway 89, and 6.5 mi east of Markleeville.

PERIOD OF RECORD.—November 1999 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 6,800 ft above NGVD of 1929, from topographic map.

REMARKS.—Records fair. Days that indicate no flow are days when all flow is being pumped to Leviathan Mine Pond 4 (station 103087887) for treatment.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily discharge, 0.09 ft³/s, Apr. 20, 21, 2000; no flow on many days in most years.

EXTREMES FOR CURRENT YEAR.—Maximum daily discharge, 0.0745 ft³/s, Apr. 28; no flow on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0249	0.0299	0.0322	0.0326	0.0328	0.0446	0.0580	0.0740	0.0221	0.0000	0.0000	0.0000
2	0.0375	0.0301	0.0318	0.0326	0.0304	0.0469	0.0590	e0.0740	0.0036	0.0000	0.0000	0.0000
3	0.0367	0.0304	0.0313	0.0329	0.0312	0.0473	0.0597	e0.0740	0.0038	0.0000	0.0000	0.0000
4	0.0350	0.0303	0.0310	0.0330	0.0315	0.0483	0.0612	e0.0730	0.0033	0.0000	0.0000	0.0000
5	0.0337	0.0298	0.0313	0.0330	0.0329	e0.0460	0.0630	e0.0730	0.0033	0.0000	0.0000	0.0000
6	0.0329	0.0296	0.0316	0.0330	e0.0325	0.0441	0.0644	0.0730	0.0030	0.0000	0.0000	0.0000
7	0.0321	0.0285	0.0326	0.0334	e0.0325	0.0446	0.0650	0.0679	0.0023	0.0000	0.0000	0.0000
8	0.0317	0.0288	0.0322	0.0382	e0.0325	0.0450	0.0654	0.0637	0.0007	0.0000	0.0000	0.0000
9	0.0332	0.0285	0.0330	0.0396	e0.0325	0.0455	0.0670	0.0615	0.0000	0.0000	0.0000	0.0000
10	0.0348	0.0287	0.0328	0.0368	e0.0325	0.0456	0.0701	0.0613	0.0000	0.0000	0.0000	0.0000
11	0.0340	0.0290	0.0342	0.0369	e0.0325	0.0441	0.0715	0.0595	0.0000	0.0000	0.0000	0.0000
12	0.0353	0.0293	0.0338	0.0364	e0.0325	0.0425	e0.0712	0.0704	0.0000	0.0000	0.0000	0.0000
13	0.0336	0.0295	0.0332	0.0359	e0.0325	0.0427	e0.0712	0.0568	0.0000	0.0000	0.0000	0.0000
14	0.0342	0.0297	0.0332	0.0354	0.0323	0.0413	0.0709	0.0511	0.0000	0.0000	0.0000	0.0000
15	0.0345	0.0300	0.0360	0.0349	0.0326	0.0394	0.0711	0.0492	0.0000	0.0000	0.0000	0.0000
16	0.0341	0.0302	0.0354	0.0344	0.0327	0.0398	0.0712	0.0545	0.0000	0.0000	0.0000	0.0000
17	0.0338	0.0306	0.0338	0.0340	0.0324	0.0400	0.0708	0.0492	0.0000	0.0000	0.0000	0.0000
18	0.0339	0.0308	0.0309	0.0335	0.0334	0.0401	0.0708	0.0517	0.0000	0.0000	0.0000	0.0000
19	0.0341	0.0328	0.0303	0.0345	0.0337	0.0394	0.0710	0.0412	0.0000	0.0000	0.0000	0.0000
20	0.0341	0.0357	0.0308	0.0346	0.0341	0.0387	0.0714	0.0393	0.0000	0.0000	0.0000	0.0000
21	0.0341	0.0351	0.0314	0.0353	0.0343	0.0480	0.0710	e0.0390	0.0000	0.0000	0.0000	0.0000
22	0.0345	0.0333	0.0315	0.0349	0.0346	0.0513	0.0706	e0.0370	0.0000	0.0000	0.0000	0.0000
23	0.0347	0.0328	0.0317	0.0347	0.0349	0.0537	0.0709	e0.0370	0.0000	0.0000	0.0000	0.0000
24	0.0337	0.0325	0.0313	0.0351	0.0357	0.0509	0.0711	e0.0350	0.0000	0.0000	0.0000	0.0000
25	0.0327	0.0341	0.0319	0.0354	0.0376	0.0527	0.0712	e0.0330	0.0000	0.0000	0.0000	0.0000
26	0.0329	0.0349	0.0319	0.0344	0.0369	0.0523	0.0715	e0.0310	0.0000	0.0000	0.0000	0.0000
27	0.0335	0.0344	0.0322	0.0345	0.0402	0.0523	0.0735	e0.0290	0.0000	0.0000	0.0000	0.0000
28	0.0346	0.0338	0.0323	0.0338	0.0410	0.0526	0.0745	0.0291	0.0000	0.0000	0.0000	0.0000
29	0.0356	0.0332	0.0323	0.0327	0.0416	0.0536	0.0725	0.0257	0.0000	0.0000	0.0000	0.0000
30	0.0334	0.0327	0.0324	0.0312	---	0.0545	0.0724	0.0554	0.0000	0.0000	0.0000	0.0000
31	0.0302	---	0.0326	0.0320	---	0.0561	---	0.0538	---	0.0000	0.0000	---
TOTAL	1.0440	0.9390	1.0029	1.0696	0.9868	1.4439	2.0631	1.6233	0.0421	0.0000	0.0000	0.0000
MEAN	0.03	0.03	0.03	0.03	0.03	0.05	0.07	0.05	0.00	0.00	0.00	0.00
MAX	0.0375	0.0357	0.0360	0.0396	0.0416	0.0561	0.0745	0.0740	0.0221	0.0000	0.0000	0.0000
MIN	0.0249	0.0285	0.0303	0.0312	0.0304	0.0387	0.0580	0.0257	0.0000	0.0000	0.0000	0.0000
AC-FT	2.1	1.9	2.0	2.1	2.0	2.9	4.1	3.2	0.08	0.00	0.00	0.00

e Estimated.

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

103087887 LEVIATHAN MINE POND 4 NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'34", long 119°39'41", in SE ¼ SW ¼ sec.15, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, 2.9 mi north of State Highway 89, and 6.5 mi east of Markleeville.

PERIOD OF RECORD.—October 1998 to September 2003, discharge. October 2003 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 6,800 ft above NGVD of 1929, from topographic map.

REMARKS.—Records excellent.

EXTREMES FOR PERIOD OF RECORD.—Prior to Oct. 1, 2003, maximum daily discharge, 0.3431 ft³/s, Feb. 10, 1999; no flow on many days in each year. Since Oct. 1, 2003 (at 2400 hours), maximum gage height, 7.83 ft, June 9, 2004; minimum, 2.85 ft, Aug. 30, 2004.

EXTREMES (AT 2400 HOURS) FOR CURRENT YEAR.—Maximum gage height, 7.83 ft, June 9; minimum, 2.85 ft, Aug. 30.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.67	7.11	5.08	5.70	5.84	6.36	7.01	6.83	6.54	4.40	7.02	3.19
2	7.40	7.09	5.08	5.73	5.91	6.38	7.01	6.81	6.68	4.64	7.13	3.30
3	7.39	7.10	5.07	5.74	5.92	6.38	7.02	6.79	6.82	4.90	7.27	3.40
4	7.38	7.10	5.08	5.74	5.93	6.40	7.07	6.76	7.01	5.10	7.37	3.54
5	7.36	7.10	5.11	5.74	5.93	6.41	7.06	6.75	7.18	5.32	7.50	3.67
6	7.37	7.10	5.20	5.73	5.95	6.43	7.06	6.73	7.33	5.50	7.20	3.80
7	7.36	7.09	5.26	5.74	5.96	6.45	7.05	6.72	7.46	5.70	6.72	3.92
8	7.33	7.10	5.25	5.75	5.96	6.49	7.06	6.70	7.64	5.88	6.25	4.01
9	7.31	7.22	5.25	5.77	5.96	6.52	7.05	6.69	7.83	6.04	5.73	4.11
10	7.30	7.22	5.30	5.77	5.96	6.54	7.04	6.67	7.37	6.21	5.19	4.24
11	7.30	7.23	5.32	5.77	5.97	6.57	7.03	6.67	7.08	6.45	4.60	4.34
12	7.28	7.23	5.32	5.78	5.97	6.59	7.02	6.66	7.28	6.55	4.84	4.42
13	7.29	7.23	5.32	5.78	5.97	6.61	7.01	6.65	7.47	6.70	4.95	4.47
14	7.28	7.23	5.38	5.78	5.97	6.65	6.98	6.63	7.63	6.85	5.11	4.57
15	7.27	7.23	5.39	5.78	5.98	6.68	6.97	6.62	7.80	7.00	5.22	4.69
16	7.26	7.24	5.38	5.79	6.02	6.71	6.96	6.60	7.62	7.18	5.34	4.78
17	7.25	7.23	5.39	5.79	6.05	6.73	6.96	6.57	6.97	7.34	5.46	4.88
18	7.23	7.24	5.40	5.80	6.11	6.78	6.95	6.56	7.14	7.47	5.58	4.93
19	7.23	6.68	5.40	5.80	6.11	6.81	6.93	6.55	7.26	7.23	5.67	5.00
20	7.21	6.19	5.41	5.83	6.13	6.83	6.92	6.54	7.46	6.71	5.80	5.09
21	7.21	5.17	5.42	5.84	6.14	6.87	6.93	6.53	7.62	6.19	5.91	5.19
22	7.22	5.07	5.41	5.84	6.15	6.95	6.93	6.49	7.41	5.66	6.01	5.29
23	7.20	5.07	5.43	5.84	6.15	6.97	6.93	6.50	6.54	5.58	6.09	4.94
24	7.19	5.07	5.53	5.85	6.16	6.97	6.92	6.49	5.69	5.78	6.22	4.24
25	7.18	5.06	5.58	5.85	6.27	6.99	6.91	6.46	4.76	5.94	6.31	3.47
26	7.17	5.06	5.60	5.83	6.32	7.00	6.89	6.44	3.86	6.08	6.38	3.17
27	7.16	5.06	5.60	5.85	6.33	7.00	6.89	6.45	3.46	6.26	5.85	3.29
28	7.15	5.08	5.60	5.85	6.34	7.00	6.86	6.50	3.69	6.43	4.88	3.40
29	7.11	5.07	5.63	5.85	6.35	7.00	6.85	6.47	3.92	6.56	3.81	3.50
30	7.10	5.08	5.65	5.84	---	6.99	6.83	6.45	4.16	6.72	2.85	3.60
31	7.11	---	5.65	5.86	---	6.99	---	6.42	---	6.88	3.06	---
MEAN	7.267	6.425	5.371	5.794	6.062	6.711	6.970	6.603	6.556	6.169	5.720	4.148
MAX	7.670	7.240	5.650	5.860	6.350	7.000	7.070	6.830	7.830	7.470	7.500	5.290
MIN	7.100	5.060	5.070	5.700	5.840	6.360	6.830	6.420	3.460	4.400	2.850	3.170
CAL YR 2003	MEAN	5.543	MAX	7.900	MIN	3.050						
WTR YR 2004	MEAN	6.152	MAX	7.830	MIN	2.850						

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

103087889 4-L CREEK NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'39", long 119°39'47", in SW ¼ NE ¼ sec.15, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, on left bank, 3.2 mi north of State Highway 89, and 6.5 mi east of Markleeville.

DRAINAGE AREA.—1.14 mi².

PERIOD OF RECORD.—October 2003 to September 2004.

GAGE.—Water-stage recorder. Elevation of gage is 6,733 ft above NGVD of 1929, from topographic map.

REMARKS.—Records fair.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 3.6 ft³/s, Mar. 18, 2004, gage height, 4.36 ft; no flow on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.02	0.04	0.03	0.03	e0.02	0.53	0.12	0.07	0.02	0.00	0.00
2	0.00	0.02	0.04	0.02	0.03	0.03	0.36	0.11	0.07	0.02	0.00	0.00
3	0.01	0.03	0.03	0.02	0.03	0.03	0.55	0.11	0.06	0.01	0.00	0.00
4	0.01	0.03	0.03	0.04	0.03	0.02	1.0	0.11	0.06	0.01	0.00	0.00
5	0.00	0.03	0.04	0.06	0.05	0.03	1.1	0.10	0.06	0.01	0.00	0.00
6	0.01	0.03	0.05	0.03	0.07	0.02	e1.2	0.07	0.05	0.01	0.00	0.00
7	0.00	0.03	0.05	0.03	0.03	0.02	e0.99	0.07	0.05	0.01	0.00	0.00
8	0.00	0.03	0.03	0.03	0.03	0.03	e0.93	0.06	0.06	0.01	0.00	0.00
9	0.00	0.04	0.03	0.03	0.04	0.05	e0.84	0.06	0.07	0.01	0.00	0.00
10	0.01	0.04	0.03	0.03	0.04	0.07	e0.82	0.06	0.06	0.01	0.00	0.00
11	0.01	0.03	0.03	0.03	0.05	0.08	e0.88	0.07	0.05	0.01	0.00	0.00
12	0.01	0.03	0.03	0.03	0.08	0.10	e0.74	0.07	0.05	0.01	0.00	0.00
13	0.01	0.04	0.03	0.03	0.08	0.12	e0.65	0.06	0.05	0.01	0.00	0.00
14	0.01	0.03	0.03	0.03	0.05	0.54	e0.48	0.06	0.04	0.01	0.00	0.00
15	0.01	0.04	0.03	0.03	0.05	1.3	e0.44	0.07	0.04	0.00	0.00	0.00
16	0.01	0.04	0.03	0.03	0.06	1.4	e0.55	0.08	0.04	0.01	0.00	0.00
17	0.01	0.04	0.03	0.03	0.03	1.5	e0.42	0.08	0.03	0.01	0.00	0.00
18	0.01	0.03	0.03	0.03	e0.03	1.8	e0.64	0.08	0.03	0.00	0.00	0.00
19	0.01	0.04	0.03	0.03	e0.03	1.8	e0.37	0.09	0.03	0.00	0.00	0.00
20	0.01	0.04	0.03	0.03	e0.03	2.0	0.28	0.09	0.03	0.00	0.00	0.00
21	0.00	0.04	0.03	0.03	e0.03	1.9	0.37	0.09	0.03	0.00	0.00	0.00
22	0.01	0.03	0.03	0.03	e0.03	1.5	0.54	0.09	0.03	0.01	0.00	0.00
23	0.01	0.03	0.03	0.03	e0.02	1.2	0.43	0.09	0.03	0.01	0.00	0.00
24	0.01	0.04	0.04	0.02	e0.02	0.99	0.18	0.09	0.03	0.01	0.00	0.00
25	0.01	0.04	0.03	0.02	e0.02	0.66	0.16	0.09	0.03	0.00	0.00	0.00
26	0.01	0.04	0.03	0.03	e0.02	0.40	0.14	0.09	0.02	0.00	0.00	0.00
27	0.01	0.04	0.05	0.03	e0.02	0.31	0.13	0.08	0.02	0.00	0.00	0.00
28	0.01	0.04	0.03	0.03	e0.02	0.44	0.11	0.11	0.02	0.00	0.00	0.00
29	0.01	0.04	0.03	0.03	e0.02	0.62	0.14	0.09	0.02	0.00	0.00	0.00
30	0.02	0.04	0.03	0.03	---	0.84	0.17	0.08	0.02	0.00	0.00	0.00
31	0.02	---	0.03	0.03	---	0.78	---	0.08	---	0.00	0.00	---
TOTAL	0.26	1.04	1.03	0.93	1.07	20.60	16.14	2.60	1.25	0.21	0.00	0.00
MEAN	0.01	0.03	0.03	0.03	0.04	0.66	0.54	0.08	0.04	0.01	0.00	0.00
MAX	0.02	0.04	0.05	0.06	0.08	2.0	1.2	0.12	0.07	0.02	0.00	0.00
MIN	0.00	0.02	0.03	0.02	0.02	0.02	0.11	0.06	0.02	0.00	0.00	0.00
AC-FT	0.5	2.1	2.0	1.8	2.1	41	32	5.2	2.5	0.4	0.00	0.00

e Estimated.

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

103087891 ASPEN CREEK ABOVE LEVIATHAN MINE, NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'31", long 119°38'55", in SW ¼ SW ¼ sec.14, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, on left bank, 2.7 mi north of State Highway 89, and 2.1 mi east of Markleeville.

PERIOD OF RECORD.—October 2003 to September 2004.

GAGE.—Water-stage recorder. Elevation of gage is 7,190 ft above NGVD of 1929, from topographic map.

REMARKS.—Records poor. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 4.78 ft³/s, Aug. 12, 2004, gage height, 1.46 ft; minimum daily, 0.08 ft³/s, Sept. 8, 30, 2004.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.15	0.22	0.17	0.21	0.23	0.17	e0.19	0.21	0.17	0.15	0.18	0.16
2	0.14	0.21	0.17	0.20	e0.23	0.15	e0.10	0.21	0.16	0.16	0.18	0.13
3	0.13	0.20	0.17	0.16	e0.24	0.16	e0.13	0.22	0.17	0.15	0.18	0.12
4	0.13	0.20	0.17	0.16	0.24	0.16	e0.23	0.27	0.17	0.15	0.18	0.13
5	0.13	0.23	0.18	0.16	e0.26	0.16	e0.32	0.24	0.17	0.14	0.18	0.09
6	0.13	0.23	0.20	0.17	0.28	0.17	e0.15	0.22	0.18	0.14	0.17	0.09
7	0.13	0.20	0.18	0.17	e0.28	0.16	e0.11	0.23	0.17	0.14	0.17	0.09
8	0.13	0.20	0.17	0.17	e0.26	0.16	e0.09	0.24	0.17	0.14	0.17	0.08
9	0.14	0.22	0.17	0.17	0.24	0.18	e0.09	0.23	0.17	0.14	0.16	0.10
10	0.14	0.19	0.20	0.17	e0.26	0.18	e0.11	0.21	0.17	0.14	0.17	0.11
11	0.14	0.18	0.18	0.17	0.28	0.17	e0.15	0.26	0.16	0.13	0.17	0.11
12	0.14	0.18	0.17	0.17	0.31	0.16	e0.10	0.26	0.16	0.13	0.23	0.10
13	0.14	0.18	0.17	0.19	0.24	0.18	e0.17	0.26	0.16	0.13	0.17	0.12
14	0.14	0.18	e0.17	0.19	0.23	0.25	e0.10	0.21	0.16	0.13	0.16	0.11
15	0.14	0.18	e0.18	0.18	0.23	0.39	e0.17	0.20	0.16	0.13	0.17	0.09
16	0.14	0.18	0.19	0.19	0.27	0.50	e0.26	0.22	0.15	0.13	0.16	0.09
17	0.14	0.19	0.19	0.18	0.21	0.53	e0.39	0.24	0.15	0.13	0.17	0.09
18	0.16	0.19	0.19	0.18	0.26	0.69	e0.10	0.24	0.15	0.13	0.16	0.09
19	0.17	0.18	0.19	0.18	0.24	0.60	e0.13	0.24	0.15	e0.14	0.15	0.09
20	0.19	e0.18	0.19	0.19	0.24	0.44	e0.18	0.18	0.15	0.16	0.16	0.10
21	0.17	0.19	0.19	0.21	0.22	0.43	0.22	0.18	0.15	0.16	0.15	0.09
22	0.17	e0.19	0.19	e0.20	0.17	0.36	0.25	0.18	0.15	0.16	0.15	0.09
23	0.17	0.19	0.19	0.19	0.15	0.27	0.26	0.17	0.15	0.16	0.15	0.09
24	0.18	0.19	e0.19	0.23	0.14	e0.25	0.24	0.17	0.15	0.17	0.15	0.09
25	0.17	0.18	e0.19	0.23	e0.15	e0.24	0.24	0.15	0.15	0.17	0.17	0.09
26	0.18	0.19	e0.19	0.21	e0.15	e0.20	0.26	0.15	0.16	0.17	0.19	0.09
27	0.18	0.17	e0.18	0.25	0.16	e0.25	0.25	0.15	0.16	0.17	0.17	0.09
28	0.17	0.17	0.18	0.24	0.16	e0.24	0.25	0.17	0.16	0.17	0.18	0.09
29	0.20	0.17	0.19	0.24	0.16	e0.22	0.24	0.15	0.16	0.17	0.17	0.09
30	0.21	0.17	0.20	0.22	---	e0.21	0.23	0.16	0.15	0.17	0.14	0.08
31	0.22	---	0.20	0.22	---	e0.20	---	0.16	---	0.18	0.15	---
TOTAL	4.87	5.73	5.69	6.00	6.49	8.43	5.71	6.38	4.79	4.64	5.21	2.98
MEAN	0.16	0.19	0.18	0.19	0.22	0.27	0.19	0.21	0.16	0.15	0.17	0.10
MAX	0.22	0.23	0.20	0.25	0.31	0.69	0.39	0.27	0.18	0.18	0.23	0.16
MIN	0.13	0.17	0.17	0.16	0.14	0.15	0.09	0.15	0.15	0.13	0.14	0.08
AC-FT	9.7	11	11	12	13	17	11	13	9.5	9.2	10	5.9

e Estimated.

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

103087892 ASPEN CREEK OVERBURDEN SEEP NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'45", long 119°39' 11", in NE ¼ SE ¼ sec.15, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, 2.8 mi north of State Highway 89, and 2.1 mi east of Markleeville.

PERIOD OF RECORD.—November 1998 to September 2002 (low-flow records only), April 2003 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 7,100 ft above NGVD of 1929, from topographic map.

REMARKS.—Records fair. Storms or snowmelt that cause peaks greater than 0.25 ft³/s can bypass this site.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.0040	0.0262	0.0189	0.0113	0.0175	0.0164	0.0411	0.0241	0.0241	0.0223	0.0175	0.0151
2	e0.0040	0.0257	0.0187	0.0113	0.0177	0.0158	0.0309	0.0245	0.0238	0.0208	0.0171	0.0153
3	e0.0040	0.0254	0.0189	0.0110	0.0172	0.0163	0.0303	0.0248	0.0235	0.0200	0.0168	0.0158
4	e0.0040	0.0247	0.0195	0.0109	0.0162	0.0168	0.0321	0.0250	0.0232	0.0181	0.0164	0.0155
5	e0.0040	0.0242	0.0212	0.0109	0.0160	0.0173	0.0315	0.0253	0.0230	0.0188	0.0160	0.0157
6	e0.0040	0.0230	0.0232	0.0109	0.0166	0.0185	0.0317	0.0252	0.0230	0.0201	0.0157	0.0157
7	e0.0040	0.0229	0.0211	0.0109	0.0162	0.0189	0.0305	0.0260	0.0229	0.0148	0.0155	0.0156
8	e0.0040	0.0223	0.0192	0.0109	0.0157	0.0193	0.0327	0.0267	0.0228	0.0126	0.0154	0.0155
9	e0.0040	0.0223	0.0192	0.0137	0.0154	0.0203	0.0336	0.0269	0.0229	0.0125	0.0154	0.0158
10	e0.0040	0.0216	0.0197	0.0163	0.0152	0.0209	0.0341	0.0276	0.0224	0.0121	0.0157	0.0167
11	0.0061	0.0210	0.0198	0.0164	0.0152	0.0207	0.0340	0.0279	0.0220	0.0119	0.0157	0.0165
12	0.0067	0.0204	0.0196	0.0165	0.0148	0.0213	0.0343	0.0270	0.0218	0.0119	0.0362	0.0173
13	0.0068	0.0200	0.0199	0.0165	0.0147	0.0216	0.0320	0.0265	0.0216	0.0120	0.0160	0.0183
14	0.0075	0.0195	0.0199	0.0167	0.0147	0.0226	0.0288	0.0253	0.0216	0.0126	0.0158	0.0159
15	0.0081	0.0193	0.0194	0.0168	0.0148	0.0231	0.0281	0.0252	0.0214	0.0156	0.0156	0.0134
16	0.0095	0.0186	0.0196	0.0169	0.0168	0.0232	0.0274	0.0252	0.0216	0.0176	0.0155	0.0144
17	0.0137	0.0183	0.0197	0.0170	0.0161	0.0232	0.0269	0.0253	0.0217	0.0180	0.0155	0.0137
18	0.0153	0.0177	0.0198	0.0172	0.0154	0.0246	0.0260	0.0254	0.0215	0.0187	0.0159	0.0141
19	0.0169	0.0180	0.0205	0.0172	0.0159	0.0257	0.0253	0.0256	0.0213	0.0192	0.0167	0.0138
20	0.0185	0.0183	0.0205	0.0171	0.0172	0.0266	0.0245	0.0255	0.0212	0.0195	0.0174	0.0134
21	0.0204	0.0178	0.0200	0.0173	0.0172	0.0283	0.0238	0.0257	0.0212	0.0197	0.0164	0.0134
22	0.0233	0.0176	0.0199	0.0174	0.0172	0.0299	0.0244	0.0256	0.0210	0.0205	0.0165	0.0132
23	0.0235	0.0175	0.0202	0.0182	0.0168	0.0304	0.0235	0.0258	0.0213	0.0196	0.0163	0.0132
24	0.0236	0.0178	0.0225	0.0182	0.0168	0.0313	0.0234	0.0258	0.0211	0.0197	0.0161	0.0130
25	0.0242	0.0178	0.0211	0.0177	0.0167	0.0333	0.0235	0.0256	0.0211	0.0194	0.0163	0.0130
26	0.0252	0.0176	0.0208	0.0172	0.0167	0.0342	0.0236	0.0255	0.0223	0.0191	0.0165	0.0130
27	0.0264	0.0175	0.0205	0.0174	0.0165	0.0341	0.0239	0.0257	0.0253	0.0188	0.0159	0.0128
28	0.0273	0.0184	0.0202	0.0174	0.0162	0.0375	0.0245	0.0286	0.0251	0.0187	0.0158	0.0129
29	0.0283	0.0191	0.0209	0.0173	0.0164	0.0410	0.0243	0.0251	0.0240	0.0184	0.0155	0.0129
30	0.0287	0.0189	0.0205	0.0177	---	0.0433	0.0240	0.0244	0.0236	0.0180	0.0155	0.0127
31	0.0264	---	0.0162	0.0177	---	0.0447	---	0.0244	---	0.0178	0.0154	---
TOTAL	0.4264	0.6094	0.6211	0.4799	0.4698	0.8011	0.8547	0.7972	0.6733	0.5388	0.5180	0.4376
MEAN	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.01
MAX	0.0287	0.0262	0.0232	0.0182	0.0177	0.0447	0.0411	0.0286	0.0253	0.0223	0.0362	0.0183
MIN	0.0040	0.0175	0.0162	0.0109	0.0147	0.0158	0.0234	0.0241	0.0210	0.0119	0.0154	0.0127
AC-FT	0.8	1.2	1.2	1.0	0.9	1.6	1.7	1.6	1.3	1.1	1.0	0.9

e Estimated.

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10308789 LEVIATHAN CREEK ABOVE ASPEN CREEK, NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°43'01", long 119°39'33", in NE ¼ NW ¼ sec.15, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, on left bank, 3.2 mi north of State Highway 89, and 6.5 mi east of Markleeville.

DRAINAGE AREA.—7.07 mi².

PERIOD OF RECORD.—October 1998 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 6,700 ft above NGVD of 1929, from topographic map.

REMARKS.—Records fair except those below 0.5 ft³/s, which are poor.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 24 ft³/s, Apr. 28, 1999, gage height, 5.14 ft; no flow on some days in most years.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 10 ft³/s, or maximum:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 21	1830	13	4.83

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.09	0.17	0.21	0.28	e0.49	0.24	1.3	e0.84	0.29	0.32	0.00	0.01
2	0.20	0.20	0.22	0.27	e0.57	0.25	0.92	e0.76	0.26	0.26	0.00	0.01
3	0.10	0.18	0.22	0.25	e0.41	0.24	1.2	e0.74	0.23	0.08	0.00	0.02
4	0.09	0.18	0.24	0.26	e0.34	0.21	2.2	e0.70	0.21	0.06	0.00	0.02
5	0.09	0.17	0.27	0.29	e0.38	0.23	2.4	e0.69	0.18	0.05	0.00	0.02
6	0.08	0.18	0.47	0.29	0.48	0.34	1.6	e0.63	0.18	0.17	0.05	0.01
7	0.09	0.18	0.40	0.27	0.38	0.35	1.4	e0.57	0.16	0.26	0.10	0.01
8	0.09	0.21	e0.20	e0.26	e0.29	0.43	1.3	e0.53	0.16	0.22	0.10	0.01
9	0.10	e0.23	e0.22	e0.27	e0.30	0.73	1.3	e0.46	0.19	0.27	0.09	0.01
10	0.12	0.36	e0.22	0.29	e0.29	0.54	1.3	e0.44	0.35	0.27	0.09	0.01
11	0.13	0.29	0.23	0.28	e0.29	0.49	1.2	e0.57	0.31	0.26	0.09	0.01
12	0.14	0.28	0.24	0.28	e0.29	0.70	1.2	e0.44	0.15	0.26	0.49	0.01
13	0.14	0.22	0.23	e0.29	e0.30	0.82	e1.3	0.35	0.14	0.25	0.04	0.01
14	0.14	e0.23	e0.30	e0.31	e0.33	1.1	e1.5	0.41	0.12	0.25	0.03	0.02
15	0.13	0.20	0.29	0.33	0.22	2.0	e1.2	0.41	0.12	0.24	0.03	0.03
16	0.15	e0.22	0.41	e0.32	0.34	1.8	e1.6	0.39	0.18	0.25	0.03	0.02
17	0.14	0.21	0.36	0.29	0.35	2.3	e1.9	0.38	0.32	0.24	0.01	0.02
18	0.14	0.23	0.31	0.27	e0.31	3.9	e1.4	0.38	0.12	0.15	0.01	0.03
19	0.17	0.47	0.28	0.28	e0.26	5.6	e1.3	0.42	0.19	e0.20	0.01	0.04
20	0.17	0.39	e0.26	0.32	e0.25	5.6	e1.2	0.41	0.24	0.24	0.03	0.04
21	0.17	0.50	e0.25	0.25	e0.24	5.8	1.3	0.41	0.36	0.21	0.02	0.04
22	0.17	0.33	e0.25	e0.25	e0.24	5.7	1.5	0.40	0.44	0.23	0.02	0.04
23	0.19	0.18	e0.29	e0.27	e0.30	4.5	1.4	0.38	0.73	0.14	0.02	0.09
24	0.18	0.22	0.53	0.28	e0.30	4.2	e1.3	0.37	0.77	0.03	0.02	0.14
25	0.16	0.18	e0.46	0.31	e0.30	3.1	e1.2	0.37	0.72	0.02	0.01	0.16
26	0.18	0.18	e0.39	0.32	e0.30	2.3	e1.1	0.36	0.61	0.01	0.01	0.09
27	0.17	0.20	0.37	e0.30	e0.30	1.9	e1.1	0.34	0.46	0.01	0.08	0.04
28	0.16	0.19	e0.36	e0.30	0.29	1.9	e1.0	0.51	0.32	0.00	0.14	0.04
29	0.16	0.19	e0.33	e0.31	0.34	2.2	e0.99	0.36	0.35	0.00	0.14	0.04
30	0.17	0.19	0.40	e0.31	---	2.9	e0.91	0.33	0.25	0.00	0.10	0.04
31	0.16	---	0.30	e0.30	---	2.2	---	0.32	---	0.00	0.02	---
TOTAL	4.37	7.16	9.51	8.90	9.48	64.57	40.52	14.67	9.11	4.95	1.78	1.08
MEAN	0.14	0.24	0.31	0.29	0.33	2.08	1.35	0.47	0.30	0.16	0.06	0.04
MAX	0.20	0.50	0.53	0.33	0.57	5.8	2.4	0.84	0.77	0.32	0.49	0.16
MIN	0.08	0.17	0.20	0.25	0.22	0.21	0.91	0.32	0.12	0.00	0.00	0.01
AC-FT	8.7	14	19	18	19	128	80	29	18	9.8	3.5	2.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	0.16	0.25	0.25	0.32	0.48	1.31	2.38	2.27	0.60	0.21	0.15	0.17
MAX	0.34	0.36	0.39	0.47	1.10	2.08	5.38	9.69	2.18	0.56	0.31	0.46
(WY)	2000	1999	1999	1999	1999	2004	1999	1999	1999	1999	1999	1999
MIN	0.08	0.16	0.15	0.16	0.20	0.71	1.30	0.47	0.12	0.07	0.04	0.04
(WY)	2002	2001	2003	2001	2001	2001	2001	2004	2001	2001	2001	2004

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	228.37		176.10			
ANNUAL MEAN	0.63		0.48		0.48	
HIGHEST ANNUAL MEAN					0.61	2003
LOWEST ANNUAL MEAN					0.30	2001
HIGHEST DAILY MEAN	5.4	Mar 26	5.8	Mar 21	17	May 7 1999
LOWEST DAILY MEAN	0.00	Aug 20	0.00	Jul 28	0.00	Aug 5 2001
ANNUAL SEVEN-DAY MINIMUM	0.02	Jul 30	0.00	Jul 28	0.00	Jul 28 2004
MAXIMUM PEAK FLOW			13		24	
MAXIMUM PEAK STAGE			4.83		5.14	
ANNUAL RUNOFF (AC-FT)	453		349		344	
10 PERCENT EXCEEDS	2.0		1.2		1.3	
50 PERCENT EXCEEDS	0.29		0.26		0.22	
90 PERCENT EXCEEDS	0.07		0.02		0.06	

e Estimated

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10308792 LEVIATHAN CREEK ABOVE MOUNTAINEER CREEK, NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°44'12", long 119°38'39", in SW ¼ SW ¼ sec.2, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, on left bank, 4.4 mi north of State Highway 89, and 7.5 mi northeast of Markleeville.

DRAINAGE AREA.—10.8 mi².

PERIOD OF RECORD.—December 1999 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 6,300 ft above NGVD of 1929, from topographic map.

REMARKS.—Records fair except estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 16 ft³/s, Feb. 14, 2000, gage height, 8.05 ft; minimum daily, 0.02 ft³/s, Aug. 11, 2001.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 20 ft³/s and maximum:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 14	1930	13	8.00

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.13	0.15	e0.17	0.48	0.69	0.62	e2.1	1.0	0.44	0.37	0.10	0.08
2	0.20	0.16	e0.18	0.46	0.80	0.61	e1.7	1.00	0.39	0.34	0.10	0.09
3	0.12	0.15	0.18	0.47	0.61	0.62	e1.7	0.95	0.33	0.15	0.10	0.10
4	0.12	0.17	0.22	0.46	0.53	0.66	e2.3	0.90	0.30	0.13	0.10	0.11
5	0.12	0.16	0.24	0.46	0.62	0.75	e2.8	0.88	0.27	0.12	0.10	0.11
6	0.12	0.16	0.41	0.52	0.88	1.2	e3.0	0.85	0.26	0.19	0.13	0.11
7	0.11	0.15	0.39	0.50	0.74	1.8	e2.0	0.82	0.25	0.31	0.22	0.10
8	0.11	0.13	0.13	0.42	0.54	2.4	e1.9	0.80	0.25	0.21	0.22	0.09
9	0.10	0.15	0.18	0.40	0.55	3.4	e1.9	0.80	0.33	0.29	0.21	0.04
10	0.12	0.31	0.17	0.40	0.54	3.7	e2.0	0.82	0.51	0.30	0.21	0.04
11	0.12	0.28	e0.20	0.39	0.59	3.8	e2.1	0.90	0.52	0.29	0.22	0.04
12	0.12	0.29	e0.25	0.38	0.58	4.1	e1.9	0.84	0.28	0.27	0.90	0.03
13	0.12	0.29	e0.25	0.37	0.65	4.6	e2.1	0.79	0.25	0.27	0.27	0.04
14	0.12	0.26	0.28	e0.40	0.67	6.4	e2.1	0.75	0.23	0.26	0.17	0.06
15	0.11	0.22	e0.40	e0.42	0.67	6.1	e1.8	0.73	0.22	0.26	0.16	0.08
16	0.12	0.21	e0.60	0.41	0.82	5.2	e2.5	0.71	0.25	0.28	0.16	0.08
17	0.12	0.21	e0.73	0.39	1.2	5.5	e2.7	0.69	0.46	0.29	0.13	0.07
18	0.12	0.21	e0.74	0.39	1.1	8.1	e1.7	0.68	0.20	0.21	0.12	0.08
19	0.12	0.36	0.67	0.39	0.88	7.3	1.6	0.70	0.25	0.18	0.13	0.09
20	0.12	0.31	0.59	0.44	0.81	6.0	1.6	0.69	0.27	0.26	0.45	0.11
21	0.12	0.37	0.46	0.36	0.74	6.7	1.5	0.69	0.44	0.25	0.18	0.12
22	0.12	0.20	0.34	0.52	0.71	6.8	1.7	0.67	0.47	0.30	0.13	0.12
23	0.12	0.26	0.37	0.68	0.57	6.2	1.5	0.63	0.78	0.23	0.13	0.14
24	0.12	0.27	0.72	0.61	0.59	5.4	1.4	0.63	0.83	0.11	0.12	0.22
25	0.13	0.24	0.60	0.48	0.75	4.5	1.3	0.62	0.76	0.11	0.11	0.20
26	0.13	0.18	0.55	0.57	0.94	3.8	1.3	0.60	0.64	0.10	0.11	0.15
27	0.13	0.16	e0.55	0.54	0.86	3.2	1.2	0.58	0.52	0.10	0.19	0.09
28	0.13	e0.16	e0.53	0.49	0.73	3.1	1.2	1.0	0.36	0.11	0.34	0.09
29	0.12	e0.16	e0.53	0.51	0.76	e3.3	1.2	0.62	0.40	0.10	0.27	0.10
30	0.12	e0.17	0.67	0.46	---	e3.7	1.1	0.56	0.30	0.10	0.21	0.11
31	0.12	---	0.52	0.50	---	e3.0	---	0.53	---	0.10	0.12	---
TOTAL	3.80	6.50	12.82	14.27	21.12	122.56	54.9	23.43	11.76	6.59	6.11	2.89
MEAN	0.12	0.22	0.41	0.46	0.73	3.95	1.83	0.76	0.39	0.21	0.20	0.10
MAX	0.20	0.37	0.74	0.68	1.2	8.1	3.0	1.0	0.83	0.37	0.90	0.22
MIN	0.10	0.13	0.13	0.36	0.53	0.61	1.1	0.53	0.20	0.10	0.10	0.03
AC-FT	7.5	13	25	28	42	243	109	46	23	13	12	5.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

	2000	2001	2002	2003	2004
MEAN	0.23	0.48	0.49	0.83	0.95
MAX	0.34	0.66	0.65	1.70	1.40
(WY)	2001	2002	2003	2000	2004
MIN	0.12	0.22	0.41	0.43	0.62
(WY)	2004	2004	2004	2002	2002

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	403.30		286.75			
ANNUAL MEAN	1.10		0.78		0.85	
HIGHEST ANNUAL MEAN					1.15	2003
LOWEST ANNUAL MEAN					0.65	2001
HIGHEST DAILY MEAN	6.1	Mar 26	8.1	Mar 18	8.1	Mar 18 2004
LOWEST DAILY MEAN	0.10	Oct 9	0.03	Sep 12	0.02	Aug 11 2001
ANNUAL SEVEN-DAY MINIMUM	0.11	Oct 3	0.05	Sep 9	0.05	Sep 9 2004
MAXIMUM PEAK FLOW			13	Mar 14	16	Feb 14 2000
MAXIMUM PEAK STAGE			8.00	Mar 14	8.05	Feb 14 2000
ANNUAL RUNOFF (AC-FT)	800		569		619	
10 PERCENT EXCEEDS	3.0		1.9		2.3	
50 PERCENT EXCEEDS	0.65		0.37		0.46	
90 PERCENT EXCEEDS	0.13		0.11		0.12	

e Estimated.

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10308794 BRYANT CREEK BELOW CONFLUENCE, NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°44'12", long 119°38'39", in SW ¼ SW ¼ sec.2, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, on left bank, 4.4 mi north of State Highway 89, and 7.5 mi northeast of Markleeville.

DRAINAGE AREA.—12.4 mi².

PERIOD OF RECORD.—November 1998 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 6,300 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 44 ft³/s, Apr. 19, 1999, gage height, 5.35 ft, maximum gage height, 7.39 ft, Nov. 12, 2000, backwater from ice; minimum daily, 0.54 ft³/s, Aug. 18, 2003.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 40 ft³/s or maximum:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 19	1545	42	5.33

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.63	1.6	1.0	1.4	2.1	2.4	e3.0	2.6	1.5	1.1	0.73	0.75
2	0.76	1.5	1.1	1.5	2.3	2.3	e2.2	2.4	1.5	1.1	0.73	0.80
3	0.69	1.5	1.2	1.6	2.5	2.3	e2.2	2.3	1.4	0.96	0.75	0.90
4	0.68	1.2	1.0	e1.6	1.9	2.4	e3.6	2.2	1.3	0.88	0.78	0.89
5	0.66	1.3	0.98	e1.5	2.0	2.6	e4.2	2.3	1.2	0.81	0.77	0.88
6	0.72	1.1	1.3	e1.5	2.2	3.7	e4.4	2.3	1.3	0.89	0.77	0.90
7	0.74	1.1	1.6	e1.6	2.0	4.9	e3.1	2.1	1.2	0.97	0.89	0.90
8	0.73	1.1	e1.6	1.8	2.0	6.1	e2.8	2.1	1.2	0.87	0.86	0.88
9	0.70	1.3	e1.6	1.8	2.0	7.4	e2.7	2.2	1.3	0.97	0.81	0.83
10	0.82	1.8	1.5	1.7	1.9	8.0	e2.7	2.2	1.3	0.98	0.84	0.81
11	0.89	1.8	e1.5	1.8	2.0	7.4	e2.8	2.4	1.3	1.00	0.81	0.74
12	0.88	1.9	e1.5	1.8	2.0	7.8	e2.5	2.1	1.0	0.95	2.1	0.73
13	0.88	1.8	e1.7	1.9	2.2	8.4	e2.5	2.1	0.98	0.97	1.3	0.74
14	0.85	1.4	2.1	2.1	2.1	11	e2.7	1.9	0.97	0.93	0.94	0.77
15	0.87	1.4	e2.0	2.1	2.0	12	e2.3	1.9	0.91	0.93	0.95	0.83
16	0.87	1.4	e2.0	e2.1	2.3	11	3.5	1.9	0.92	0.95	1.0	0.82
17	0.88	1.8	e2.0	e2.1	2.5	11	3.7	1.9	1.2	1.0	0.86	0.79
18	0.97	1.6	e2.0	e2.1	2.5	17	3.7	1.8	0.86	0.94	0.86	0.85
19	1.1	1.8	1.9	e2.1	2.2	21	3.3	1.9	0.96	1.00	0.87	0.96
20	1.0	1.7	1.4	e2.1	2.1	22	3.1	1.8	0.98	1.0	1.7	0.98
21	0.98	e1.5	1.4	1.9	2.1	18	3.2	1.9	1.1	1.00	1.1	0.97
22	1.0	1.1	1.4	e1.8	2.1	16	3.6	1.9	1.1	1.1	1.00	0.97
23	1.0	e1.1	0.94	e1.9	2.0	13	3.3	1.8	1.5	0.98	0.92	1.00
24	1.2	e1.1	1.2	1.9	2.0	10	3.1	1.8	1.6	0.83	0.89	1.1
25	1.3	e1.1	1.0	1.8	2.3	9.6	3.2	1.8	1.5	0.87	0.91	1.1
26	1.3	1.1	1.1	1.9	2.8	7.7	3.1	1.7	1.2	0.78	0.99	1.0
27	1.4	1.2	e1.1	1.8	2.7	5.7	3.0	1.8	1.2	0.76	1.0	0.91
28	1.5	1.2	e1.1	1.8	2.3	4.8	2.7	2.8	1.1	0.79	1.1	0.91
29	1.5	1.1	e1.1	1.8	2.9	4.6	3.0	1.9	1.2	0.73	1.1	0.96
30	1.6	1.0	1.4	1.8	---	e4.9	2.8	1.7	0.98	0.75	1.0	1.0
31	1.6	---	1.3	1.8	---	e4.0	---	1.6	---	0.76	0.83	---
TOTAL	30.70	41.6	44.02	56.4	64.0	269.0	92.0	63.1	35.76	28.55	30.16	26.67
MEAN	0.99	1.39	1.42	1.82	2.21	8.68	3.07	2.04	1.19	0.92	0.97	0.89
MAX	1.6	1.9	2.1	2.1	2.9	22	4.4	2.8	1.6	1.1	2.1	1.1
MIN	0.63	1.0	0.94	1.4	1.9	2.3	2.2	1.6	0.86	0.73	0.73	0.73
AC-FT	61	83	87	112	127	534	182	125	71	57	60	53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

	1999	2000	2001	2002	2003	2004
MEAN	1.50	1.83	1.89	2.54	2.88	5.38
MAX	2.47	2.59	2.48	3.26	4.78	8.68
(WY)	2000	2000	2000	1999	1999	2004
MIN	0.99	1.39	1.28	1.77	2.06	3.53
(WY)	2004	2004	2003	2001	2001	2001

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	902.43		781.96			
ANNUAL MEAN	2.47		2.14			
HIGHEST ANNUAL MEAN					2.79	2000
LOWEST ANNUAL MEAN					1.89	2001
HIGHEST DAILY MEAN	11	Mar 26	22	Mar 20	29	Apr 21 1999
LOWEST DAILY MEAN	0.54	Aug 18	0.63	Oct 1	0.54	Aug 18 2003
ANNUAL SEVEN-DAY MINIMUM	0.70	Sep 30	0.70	Oct 1	0.69	Aug 16 2002
MAXIMUM PEAK FLOW			42	Mar 19	44	Apr 19 1999
MAXIMUM PEAK STAGE			5.33	Mar 19	7.39	Nov 12 2000
ANNUAL RUNOFF (AC-FT)	1790		1550		1660	
10 PERCENT EXCEEDS	5.9		3.2		4.4	
50 PERCENT EXCEEDS	1.6		1.5		1.8	
90 PERCENT EXCEEDS	0.81		0.83		0.90	

e Estimated.

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10308800 BRYANT CREEK NEAR GARDNERVILLE, NV

LOCATION.--Lat 38°47'38", long 119°40'18" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 30, T.11 N., R.21 E., Douglas County, Hydrologic Unit 16050201, on right bank, 500 ft upstream from Doud Springs, 1.7 mi upstream from mouth, and 11 mi southeast of Gardnerville.

DRAINAGE AREA.--31.5 mi².

PERIOD OF RECORD.--May 1961 to September 1969, October 1977 to September 1980, April 1994 to current year; October 1969 to September 1973 (annual maximum).

GAGE.--Water-stage recorder. Datum of gage is 5,445.91 ft above National Geodetic Vertical Datum of 1929. Prior to July 22, 1963, at same site at datum 0.04 ft higher. Prior to April 1994 at site 50 ft downstream at datum 3.79 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversions above station. [See schematic diagram of Carson River Basin, Upper Carson River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,360 ft³/s, January 02, 1997, gage height, 8.70 ft; minimum daily, 0.78 ft³/s, August 19, 2003.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
March 18	2130	*70	*6.27	April 4	2145	22	6.03

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	e2.0	2.4	3.3	2.5	4.4	7.5	4.4	3.2	4.3	1.4	1.5
2	1.9	e2.1	2.3	3.2	2.6	4.4	6.3	4.0	2.8	4.4	1.4	1.5
3	1.9	e2.3	2.4	2.8	2.5	4.2	6.2	3.8	2.4	3.6	1.7	1.7
4	2.0	e2.0	e2.1	2.9	2.4	4.2	8.5	3.6	2.2	2.8	1.7	1.8
5	1.9	e2.3	2.6	3.1	2.2	4.3	13	3.7	2.0	2.6	1.6	1.8
6	1.9	e2.2	2.9	3.1	2.6	5.0	12	3.5	1.9	2.3	1.6	1.7
7	1.9	e2.1	3.3	3.1	2.6	6.2	10	3.4	1.9	2.8	1.7	1.7
8	1.8	e2.1	2.2	3.1	2.2	7.0	9.8	3.3	2.1	2.1	1.7	1.6
9	1.8	e2.0	e2.3	3.1	2.5	7.9	9.4	3.2	2.6	2.1	1.6	1.5
10	e1.5	e2.0	2.8	3.0	2.4	9.1	8.9	3.2	2.8	2.2	1.6	1.5
11	e1.9	e2.0	2.6	3.0	2.3	8.6	8.4	3.5	3.0	2.2	1.6	1.5
12	e1.7	e2.2	2.5	3.0	2.3	8.5	8.1	3.5	2.3	2.0	1.7	1.5
13	e1.7	e2.2	2.9	2.9	2.3	8.9	7.9	3.4	2.4	1.9	2.4	1.6
14	e1.9	e2.2	2.6	2.9	2.3	12	7.4	3.2	3.5	1.9	1.8	1.7
15	e1.9	e1.9	2.2	2.9	2.3	17	7.0	3.1	3.6	1.9	1.7	1.7
16	e1.8	e2.1	2.4	2.9	2.5	15	6.9	3.0	3.4	2.1	1.8	1.7
17	e1.8	e2.3	2.7	2.9	2.7	13	7.1	2.8	4.1	2.3	1.6	1.7
18	e1.7	e2.2	2.8	3.0	2.9	24	6.7	2.8	3.8	2.0	1.6	1.7
19	1.8	e2.1	3.1	2.8	2.5	30	6.5	2.7	3.5	1.6	1.6	1.9
20	e1.8	e2.0	3.1	2.9	2.5	22	6.2	2.6	3.3	2.0	1.9	2.1
21	e1.8	e2.0	3.0	2.8	2.4	22	6.0	2.5	3.7	1.9	2.2	2.2
22	e1.9	e2.1	2.8	2.2	2.5	19	6.5	2.4	3.6	2.2	1.8	2.1
23	1.9	e2.2	2.8	2.9	2.4	15	6.3	2.2	4.4	2.4	1.8	2.1
24	e2.1	e2.2	3.3	3.0	2.3	12	5.8	2.1	5.2	1.6	1.7	2.2
25	e1.9	2.3	3.4	2.8	5.1	10	5.5	2.1	5.2	1.4	1.6	2.2
26	e2.0	2.1	2.7	2.6	6.3	8.8	5.2	1.9	4.9	1.3	1.6	2.1
27	e2.1	e2.2	2.3	2.8	5.0	7.6	4.9	1.7	4.9	1.3	1.8	1.9
28	e2.2	2.5	2.5	2.7	4.9	7.3	4.8	4.5	4.3	1.3	2.0	2.0
29	2.3	2.6	3.2	2.7	4.4	7.6	4.7	4.2	4.3	1.3	1.9	2.0
30	e2.2	2.4	3.4	2.6	---	8.3	4.5	3.8	4.2	1.3	1.8	2.1
31	e2.1	---	3.3	2.6	---	8.1	---	3.4	---	1.3	1.7	---
TOTAL	59.0	64.9	84.9	89.6	84.4	341.4	218.0	97.5	101.5	66.4	53.6	54.3
MEAN	1.90	2.16	2.74	2.89	2.91	11.0	7.27	3.15	3.38	2.14	1.73	1.81
MAX	2.3	2.6	3.4	3.3	6.3	30	13	4.5	5.2	4.4	2.4	2.2
MIN	1.5	1.9	2.1	2.2	2.2	4.2	4.5	1.7	1.9	1.3	1.4	1.5
AC-FT	117	129	168	178	167	677	432	193	201	132	106	108

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2004, BY WATER YEAR (WY)

MEAN	3.12	3.45	3.92	8.28	7.02	13.9	18.3	19.9	8.49	3.82	2.97	3.03
MAX	4.43	4.62	10.7	59.1	21.2	52.0	71.8	71.5	33.9	9.16	5.59	5.05
(WY)	(1999)	(1999)	(1997)	(1997)	(1996)	(1995)	(1969)	(1969)	(1995)	(1969)	(1969)	(1969)
MIN	1.90	2.15	2.25	2.23	2.91	4.32	5.75	3.15	2.09	1.83	1.73	1.41
(WY)	(2004)	(1962)	(1962)	(1962)	(2004)	(1964)	(2001)	(2004)	(2001)	(1961)	(1994)	(2003)

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN
10308800 BRYANT CREEK NEAR GARDNERVILLE, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1961 - 2004	
ANNUAL TOTAL	1,286.29		1,315.5			
ANNUAL MEAN	3.52		3.59		8.16	
HIGHEST ANNUAL MEAN					20.0	1969
LOWEST ANNUAL MEAN					3.22	2001
HIGHEST DAILY MEAN	12	Mar 26	30	Mar 19	600	Jan 2, 1997
LOWEST DAILY MEAN	0.78	Aug 19	1.3	Jul 26	0.78	Aug 19, 2003
ANNUAL SEVEN-DAY MINIMUM	1.0	Sep 22	1.3	Jul 25	1.0	Sep 22, 2003
MAXIMUM PEAK FLOW			70	Mar 18	1,360	Jan 2, 1997
MAXIMUM PEAK STAGE			6.27	Mar 18	8.70	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	2,550		2,610		5,910	
10 PERCENT EXCEEDS	6.9		7.0		16	
50 PERCENT EXCEEDS	2.8		2.5		4.0	
90 PERCENT EXCEEDS	1.5		1.7		2.3	

e Estimated

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10309000 EAST FORK CARSON RIVER NEAR GARDNERVILLE, NV

LOCATION.--Lat 38°50'42", long 119°42'13" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec. 02, T.11 N., R.20 E., Douglas County, Hydrologic Unit 16050201, on left bank, at lower end of Horseshoe Bend, 2 mi east of mud Lake Reservoir, 4.5 mi downstream from Bryant Creek, 7 mi southeast of Gardnerville, and at mi 99.90 upstream from Lahontan Dam.

DRAINAGE AREA.--356 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1890 to December 1893, October 1900 to December 1906 (gage heights only August to December 1904 and July 1905 to December 1906), January 1908 to December 1910, June to October 1917, December 1924 to September 1928, June to September 1929, October 1935 to December 1937, and May 1939 to current year.

REVISED RECORDS.--WSP 1214: 1938 (M), 1942-43 (M), 1945 (M). WSP 1514: 1909-10. WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,987.68 ft above National Geodetic Vertical Datum of 1929. Prior to May 19, 1939, nonrecording gages at several sites within 2 mi of present site at various datums. Prior to July 20, 2001, at site 300 ft downstream and 2.57 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Station is above all diversions in Carson Valley. Diversions for irrigation above station. Flow slightly regulated by several small reservoirs, total capacity, about 5,000 acre-ft. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,300 ft³/s, January 2, 1997, gage height, 13.00 ft; minimum daily, 11 ft³/s, September 4, 1977.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 5	0030	*1,580	*5.84	May 28	1245	1,390	5.62

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	62	55	93	94	204	637	791	715	207	78	49
2	62	60	53	90	104	198	517	928	720	193	80	44
3	65	62	52	89	103	184	479	1,130	740	193	81	52
4	64	62	50	e87	98	183	569	1,280	724	180	88	57
5	64	63	54	e92	97	190	720	1,360	683	169	97	50
6	64	68	138	e95	95	203	794	1,270	671	165	106	46
7	63	68	188	e99	109	230	682	1,100	663	169	110	44
8	63	67	99	106	92	264	707	1,010	583	154	97	43
9	61	78	70	113	99	311	735	987	509	145	88	46
10	60	58	84	108	99	373	757	972	446	137	83	47
11	61	57	71	107	90	400	714	802	427	125	81	41
12	62	65	61	107	92	397	742	684	418	122	75	40
13	62	68	78	104	92	415	799	677	420	121	79	39
14	64	64	80	102	100	438	718	733	438	120	94	41
15	64	68	70	104	97	544	636	757	437	117	81	45
16	63	64	e74	101	115	553	549	754	417	118	93	41
17	62	63	e78	103	264	533	489	786	410	115	84	39
18	63	64	e82	102	264	576	436	763	399	108	76	39
19	63	62	e86	102	207	694	409	671	393	103	77	47
20	63	65	e77	106	181	706	390	663	372	97	79	50
21	63	63	e78	107	170	823	388	631	353	101	70	50
22	63	59	80	102	168	e880	391	601	334	107	66	50
23	61	59	84	106	168	e830	367	605	322	105	72	49
24	60	58	128	111	162	e830	405	593	311	100	73	47
25	59	58	171	101	231	e750	485	570	292	88	63	45
26	60	50	123	95	285	e530	609	553	271	87	66	48
27	61	49	102	103	192	e460	781	591	256	87	70	50
28	61	55	e97	97	185	e440	930	1,080	246	85	66	51
29	60	57	e95	99	188	e460	882	899	233	85	63	52
30	59	56	e92	98	---	e550	739	737	223	82	58	52
31	61	---	92	98	---	624	---	731	---	80	56	---
TOTAL	1,923	1,852	2,742	3,127	4,241	14,773	18,456	25,709	13,426	3,865	2,450	1,394
MEAN	62.0	61.7	88.5	101	146	477	615	829	448	125	79.0	46.5
MAX	65	78	188	113	285	880	930	1,360	740	207	110	57
MIN	59	49	50	87	90	183	367	553	223	80	56	39
AC-FT	3,810	3,670	5,440	6,200	8,410	29,300	36,610	50,990	26,630	7,670	4,860	2,760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1890 - 2004, BY WATER YEAR (WY)

	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000
MEAN	98.4	138	175	192	224	307	607	1,193	1,013	408	152	104
MAX	416	1,110	1,127	1,789	947	1,038	1,140	2,541	3,056	1,794	597	416
(WY)	(1893)	(1951)	(1951)	(1997)	(1986)	(1986)	(1969)	(1890)	(1983)	(1890)	(1890)	(1893)
MIN	31.2	37.9	34.0	31.9	31.1	67.8	185	205	138	62.9	29.5	19.4
(WY)	(1989)	(1991)	(1901)	(1904)	(1903)	(1977)	(1977)	(1977)	(1992)	(1977)	(1977)	(1977)

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN
10309000 EAST FORK CARSON RIVER NEAR GARDNERVILLE, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1890 - 2004	
ANNUAL TOTAL	112,441		93,958			
ANNUAL MEAN	308		257		379	
HIGHEST ANNUAL MEAN					905	1893
LOWEST ANNUAL MEAN					91.6	1977
HIGHEST DAILY MEAN	2,540	May 29	1,360	May 5	17,000	Jan 2, 1997
LOWEST DAILY MEAN	49	Nov 27	39	Sep 13	11	Sep 4, 1977
ANNUAL SEVEN-DAY MINIMUM	54	Nov 26	41	Sep 12	12	Sep 2, 1977
MAXIMUM PEAK FLOW			1,580	May 5	20,300	Jan 2, 1997
MAXIMUM PEAK STAGE			5.84	May 5	13.00	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	223,000		186,400		274,600	
10 PERCENT EXCEEDS	874		721		1,050	
50 PERCENT EXCEEDS	133		102		158	
90 PERCENT EXCEEDS	62		55		58	

e Estimated

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10309000 EAST FORK CARSON RIVER NEAR GARDNERVILLE, NV—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955-72, 1977-84, 1990 to November 1996, February 2002 to August 2004.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1993 to September 1996, February 2002 to August 2004, discontinued.

WATER TEMPERATURE: July 1955 to June 1966, November 1966 to September 1972, November 1993 to September 1996, and February 2002 to August 2004, discontinued.

INSTRUMENTATION.--Specific conductance monitor since November 1993 to September 1996, February to September 2002, hourly. Water temperature recorder July 1955 to June 1966 and November 1966 to September 1972 provided continuous recordings. Water temperature monitor November 1993 to September 1996 and February 2002 to August 2004, hourly.

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. Records represent water temperature at probe within 0.5°C.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 375 microsiemens, cm at 25°C, September 28, 29, 1994; minimum daily, 24 microsiemens, cm at 25°C, May 17, 1996.

WATER TEMPERATURE: Maximum daily, 29.5°C, August 7, 1960; minimum, -0.5°C, on several days in water years 2003 and 2004.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 274 microsiemens/cm at 25°C, November 24; minimum, 52 microsiemens/cm at 25°C, April 28, 29, May 5.

WATER TEMPERATURE: Maximum, 26.5°C, July 25, August 11; minimum, -0.5°C, on several days.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	239	228	232	234	232	233	229	226	228	241	221	229
2	229	218	224	235	229	231	233	228	230	230	223	227
3	226	220	223	253	232	243	234	229	231	233	224	230
4	223	217	220	237	226	231	240	232	235	256	233	241
5	225	219	222	253	235	245	248	237	244	257	247	253
6	226	221	224	239	230	233	237	187	212	247	221	236
7	227	221	224	241	229	236	194	185	189	221	203	211
8	229	222	226	233	229	230	210	187	198	208	203	205
9	231	224	228	239	223	229	225	210	217	209	203	206
10	231	225	228	240	219	227	226	213	218	211	204	207
11	231	224	227	253	240	247	220	210	215	213	208	211
12	229	222	226	251	231	239	241	218	224	213	205	210
13	229	221	225	235	217	225	242	216	231	211	194	202
14	232	224	228	222	212	216	216	207	212	198	192	196
15	234	224	229	228	215	221	243	210	223	197	190	195
16	236	224	230	222	214	216	254	240	249	201	193	197
17	244	227	233	227	219	223	240	223	232	200	191	197
18	240	228	234	221	216	219	228	222	225	197	194	196
19	240	230	235	226	218	222	226	217	220	199	192	195
20	241	230	235	226	219	223	219	215	218	199	191	194
21	241	233	237	226	220	224	218	213	215	195	192	193
22	241	233	237	231	224	227	226	215	218	214	195	201
23	242	234	238	263	228	244	229	225	226	230	197	217
24	241	235	238	274	249	268	226	214	223	200	191	196
25	238	234	236	249	235	240	214	197	203	198	189	193
26	238	231	235	249	227	235	223	205	215	208	196	201
27	239	232	236	257	236	243	246	223	233	207	193	199
28	240	235	238	257	233	239	268	246	258	203	194	198
29	246	239	241	237	231	233	268	256	261	203	198	200
30	246	232	237	232	227	228	264	251	261	201	200	200
31	233	227	230	---	---	---	251	241	246	201	199	200
MONTH	246	217	231	274	212	232	268	185	226	257	189	208

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10309000 EAST FORK CARSON RIVER NEAR GARDNERVILLE, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.5	13.5	16.5	6.0	2.5	4.0	5.0	1.0	3.0	1.0	0.0	0.0
2	18.5	12.5	16.0	5.0	0.5	3.0	6.0	1.5	3.5	0.5	0.0	0.0
3	19.5	12.0	15.5	7.0	2.0	4.0	6.0	1.5	3.5	0.0	0.0	0.0
4	19.0	13.0	15.5	6.5	0.5	3.5	4.5	1.0	3.0	0.0	0.0	0.0
5	18.5	12.0	15.5	7.0	2.5	4.5	9.0	4.5	6.5	0.0	0.0	0.0
6	19.0	12.0	15.0	5.5	1.5	3.5	6.5	5.0	5.5	0.0	0.0	0.0
7	19.0	12.5	15.5	7.0	3.0	5.0	6.0	3.0	4.5	0.0	0.0	0.0
8	18.5	12.0	15.0	6.5	3.5	5.0	4.0	1.0	2.5	3.0	0.0	1.0
9	18.0	12.0	14.5	5.5	3.0	4.5	3.0	0.0	1.5	3.0	0.0	1.0
10	15.5	10.0	12.5	6.5	1.0	4.0	2.5	0.5	1.0	3.5	0.0	1.5
11	15.0	7.5	11.0	6.5	1.0	4.0	3.5	0.0	1.5	2.5	0.0	1.0
12	16.5	9.5	12.5	5.0	1.5	3.5	2.5	-0.5	1.0	3.0	0.0	1.5
13	14.5	7.5	11.0	7.0	3.0	4.5	4.5	2.5	3.0	4.0	0.0	2.0
14	15.0	8.0	11.0	6.5	2.0	4.0	3.0	-0.5	1.5	3.5	0.0	1.5
15	14.0	8.0	11.0	5.5	3.5	4.5	0.5	-0.5	0.0	4.0	0.0	2.0
16	15.0	7.5	11.5	6.5	1.5	4.0	0.0	0.0	0.0	3.5	-0.5	1.5
17	15.0	8.5	12.0	8.5	4.0	6.0	0.5	0.0	0.0	3.5	0.0	1.5
18	14.0	8.0	11.0	8.0	2.5	5.5	1.0	0.0	0.0	4.0	0.5	2.0
19	15.0	9.0	12.0	8.5	3.0	5.5	3.0	0.0	1.0	4.5	0.0	2.0
20	16.0	8.5	12.5	9.5	4.0	6.0	3.5	1.5	2.5	2.5	0.5	1.5
21	16.0	9.0	12.5	6.0	2.0	4.0	5.5	2.0	3.5	3.0	0.0	1.0
22	15.5	9.5	12.5	3.5	0.0	1.0	3.5	1.0	2.5	2.5	0.0	0.5
23	16.0	10.0	12.5	2.0	0.0	0.5	3.5	1.5	2.0	2.5	0.0	0.5
24	13.5	7.5	10.5	4.0	0.0	1.5	3.5	1.5	2.5	4.0	0.0	1.5
25	12.5	6.5	9.5	4.5	0.0	2.0	2.5	0.0	1.5	3.5	0.0	1.5
26	12.5	5.5	9.0	4.0	0.0	1.5	2.0	0.0	0.5	1.5	-0.5	0.5
27	13.0	6.0	9.5	3.0	0.0	1.0	0.0	0.0	0.0	4.5	0.5	2.0
28	13.5	6.5	10.0	3.5	0.5	2.0	0.0	0.0	0.0	4.0	0.0	2.0
29	14.5	9.0	11.0	5.0	2.5	4.0	0.0	0.0	0.0	5.5	1.0	3.0
30	9.5	5.0	7.5	4.5	3.0	3.5	1.0	0.0	0.0	4.5	2.0	3.5
31	5.5	3.0	4.0	---	---	---	2.5	0.0	1.0	5.5	1.5	3.0
MONTH	20.5	3.0	12.1	9.5	0.0	3.6	9.0	-0.5	1.9	5.5	-0.5	1.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.5	1.0	2.5	5.0	2.5	4.0	8.0	4.0	6.0	11.5	6.0	9.0
2	3.0	0.0	2.0	4.0	2.0	3.0	8.5	3.0	5.5	12.5	7.0	10.0
3	2.5	0.0	1.0	6.0	1.0	3.5	10.5	5.0	8.0	12.0	7.0	9.5
4	3.0	0.0	1.0	8.0	3.0	5.5	10.5	6.0	8.5	12.0	6.5	9.5
5	3.5	0.0	1.0	7.5	4.0	5.5	10.5	6.0	8.5	11.0	6.5	8.5
6	4.5	0.0	1.5	9.5	4.0	6.5	9.5	5.5	7.5	10.0	6.5	8.5
7	4.5	0.0	2.0	9.5	4.0	7.0	10.0	4.5	7.5	11.0	5.5	8.5
8	4.0	0.0	1.5	10.5	4.0	7.5	10.5	5.5	8.0	11.5	6.0	9.0
9	4.0	0.0	1.5	10.5	4.5	7.5	9.5	6.0	8.0	11.5	6.5	9.5
10	4.5	0.0	2.0	10.5	5.0	7.5	9.0	5.5	7.5	11.0	7.0	9.5
11	5.0	0.0	2.0	9.0	3.5	6.5	10.0	5.0	7.5	10.5	6.0	8.5
12	4.5	0.0	2.0	9.5	4.0	6.5	9.5	6.5	8.0	12.0	5.5	9.0
13	1.5	-0.5	0.5	9.5	4.0	6.5	9.0	7.0	8.0	13.0	7.0	10.5
14	5.0	-0.5	2.0	10.0	4.5	7.5	9.5	5.5	7.5	13.0	8.0	11.0
15	4.5	1.0	3.0	9.5	5.0	7.5	9.5	4.5	7.0	12.0	8.0	10.5
16	7.0	3.0	5.0	8.5	4.5	6.5	10.0	4.0	7.0	13.0	7.5	10.5
17	4.5	2.5	3.5	9.0	4.0	7.0	8.5	4.5	6.5	13.5	8.0	11.0
18	4.0	2.5	3.0	10.0	4.5	7.0	7.5	3.5	5.5	12.5	7.0	10.0
19	6.5	1.0	3.5	9.0	5.5	7.5	9.5	4.0	6.5	13.0	7.5	10.5
20	5.0	2.5	3.5	9.0	5.0	7.0	10.5	5.5	7.5	13.0	7.5	10.5
21	5.5	2.5	3.5	9.0	5.5	7.5	11.5	6.0	9.0	12.0	7.5	9.5
22	5.0	3.0	4.0	9.0	6.0	7.5	10.0	6.5	8.0	13.5	7.5	10.5
23	7.0	3.0	4.5	8.5	5.5	7.5	11.5	4.5	8.0	14.0	8.0	11.0
24	5.5	2.0	4.0	8.5	5.5	7.5	12.5	6.5	9.5	13.0	8.0	11.0
25	4.0	1.0	2.5	8.0	5.0	6.5	13.0	7.0	10.0	13.0	8.0	11.0
26	3.5	0.0	1.5	6.0	3.0	5.0	12.5	7.0	10.0	15.0	8.5	12.0
27	5.5	-0.5	2.5	9.0	3.5	6.0	12.0	7.5	10.0	15.5	10.5	13.0
28	5.5	1.0	3.0	9.5	4.0	7.0	11.0	6.5	8.5	13.5	10.0	11.5
29	5.5	1.0	3.5	10.5	5.0	8.0	9.5	5.0	7.5	13.0	7.0	10.5
30	---	---	---	10.5	5.5	8.5	10.5	5.0	8.0	15.0	9.0	12.5
31	---	---	---	10.0	5.0	8.0	---	---	---	15.0	10.0	12.5
MONTH	7.0	-0.5	2.5	10.5	1.0	6.6	13.0	3.0	7.8	15.5	5.5	10.3

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10309010 EAST FORK CARSON RIVER NEAR DRESSLERVILLE, NV

LOCATION.--Lat 38°52'42", long 119°41'18" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 25, T.12 N., R.20 E., Douglas County, Hydrologic Unit 16050201, at Dresslerville Bridge, about 600 ft downstream from the old diversion dam, and about 2 mi southeast of Dresslerville.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1993 to 1995, 1997 to 1998, and 2000 to current year.

REMARKS.--In April 1993, station incorporated into the National Water-Quality Assessment Program (NAWQA) to monitor water-quality conditions in the Carson River Basin. Estimated discharge values are based on the East Fork Carson River near Gardnerville gaging station.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltr inc tit, field, mg/L (00453)
OCT 21...	0955	Environmental	62	644	9.8	103	8.1	229	15.5	9.9	85	70
OCT 21...	1030	Replicate	--	644	9.9	103	8.1	230	17.0	9.9	85	70
DEC 15...	1145	Environmental	82	645	11.9	97	8.0	211	.5	.2	66	81
FEB 24...	0935	Environmental	151	633	11.3	103	7.5	199	8.0	3.3	66	81
APR 20...	1015	Environmental	377	637	9.9	99	7.1	105	12.5	7.4	39	47
MAY 12...	1130	Environmental	795	636	9.8	103	7.0	71	19.5	9.4	28	35
JUN 14...	1115	Field Blank	--	--	--	--	--	--	--	--	--	--
JUN 14...	1230	Environmental	530	639	8.3	102	7.2	78	27.0	16.6	28	35
JUL 21...	1030	Environmental	105	640	8.0	106	7.8	154	26.5	20.5	52	64
AUG 12...	1010	Environmental	66	639	8.3	107	7.9	153	--	18.9	51	62

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unfltrd by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)
OCT 21...	7.93	30.4	<.04	<.06	<.008	.02	E.004n	.015	.10	.2	<.1	.2	1.1
OCT 21...	7.95	30.3	<.04	<.06	<.008	.03	E.003n	.016	.08	.2	<.1	.2	1.1
DEC 15...	7.54	29.0	<.04	<.06	<.008	.05	.008	.029	.10	.4	<.1	.4	5.1
FEB 24...	6.13	23.9	<.04	<.06	<.008	.03	.011	.026	.09	.3	<.1	.2	6.0
APR 20...	2.03	8.1	<.04	<.06	<.008	.05	.009	.029	.10	.5	<.1	.5	2.3
MAY 12...	1.10	4.6	E.02n	<.06	<.008	.04	.010	.045	.10	.4	<.1	.4	2.1
JUN 14...	<.20	<.2	<.04	<.06	<.008	<.02	<.006	<.004	<.03	<.1	<.1	<.1	.4
JUN 14...	1.39	5.0	<.04	<.06	<.008	.05	.012	.057	.07	.7	<.1	.7	1.3
JUL 21...	4.43	16.0	<.04	<.06	<.008	.10	E.005n	.019	.13	4.7	.2	4.5	1.9
AUG 12...	4.71	17.5	<.04	<.06	<.008	.09	E.003n	.018	.11	.4	<.1	.4	1.7

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10309010 EAST FORK CARSON RIVER NEAR DRESSLERVILLE, NV—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)
OCT			
21...	95	9	1.5
21...	96	3	--
DEC			
15...	70	35	7.7
FEB			
24...	91	5	2.0
APR			
20...	76	13	13
MAY			
12...	56	28	60
JUN			
14...	75	1	--
14...	86	18	26
JUL			
21...	80	6	1.7
AUG			
12...	74	5	.89

Remark codes used in this table:

- < -- Less than
- E -- Estimated value

Value qualifier codes used in this table:

- n -- Below the LRL and above the LT-MDL

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN
10310000 WEST FORK CARSON RIVER AT WOODFORDS, CA

LOCATION.--Lat 38°46'11", long 119°49'58" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec. 34, T.11 N., R.19 E., Alpine County, Hydrologic Unit 16050201, in Toiyabe National Forest, on left bank, 0.3 mi downstream from bridge on State Highway 88-89, 0.6 mi southwest of Woodfords, 3.8 mi downstream from Willow Creek, and at mi 21.17 from mouth.

DRAINAGE AREA.--65.4 mi².

PERIOD OF RECORD.--October 1900 to May 1907, 1910-11 (fragmentary), October 1938 to current year. January 1890 to March 1892, June 1907 to September 1920 (except parts of 1910-11), at site 0.7 mi downstream; records not equivalent owing to diversions for irrigation.

REVISED RECORDS.--WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,754.5 ft above National Geodetic Vertical Datum of 1929. Prior to October 1, 1938, nonrecording gage at about the same site at different datum. October 1, 1938, to November 11, 1958, water-stage recorder at same site at datum 1.02 ft lower. November 13, 1958, to January 30, 1963, water-stage recorder at site 150 ft downstream at datum 3.06 ft lower. January 1997 flood, channel changed course upstream and existing site unusable. Gage moved 200 ft upstream March 1997 at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. One small diversion above station for irrigation. Flow slightly regulated by several small reservoirs, total capacity, about 1,500 acre-ft. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,100 ft³/s, January 1, 1997, gage height, 15.36 ft (present location); minimum daily, 5.3 ft³/s, September 2, 1997.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 11, 1937, reached a stage of 8.0 ft, at different datum, from floodmarks, discharge, 3,500 ft³/s, on basis of slope-area measurement of peak flow.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 5	0030	*462	*12.16				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	20	22	23	21	25	220	248	156	51	19	15
2	18	19	22	20	22	25	171	289	156	48	19	15
3	18	21	22	e22	21	25	188	333	158	47	22	15
4	18	21	22	e24	23	25	237	358	155	44	30	15
5	18	22	28	26	e23	25	291	374	143	41	26	15
6	18	20	e28	25	e21	26	291	334	139	40	22	15
7	26	21	e29	25	21	29	260	278	138	39	19	15
8	29	20	29	25	e21	32	280	256	118	37	18	15
9	28	21	28	25	21	37	284	246	105	35	17	15
10	20	21	27	25	22	45	281	236	96	33	17	15
11	19	21	25	25	e22	54	268	211	92	31	17	15
12	19	21	28	25	e23	57	283	176	90	30	17	15
13	18	22	29	25	23	60	296	165	91	28	17	15
14	20	21	25	25	20	69	255	177	96	27	17	15
15	21	22	e26	24	20	87	218	182	95	26	17	22
16	21	21	27	24	24	96	183	183	92	26	17	22
17	21	22	27	24	26	99	162	189	90	25	17	16
18	21	21	27	24	25	111	142	176	88	25	22	14
19	21	22	27	23	26	143	132	157	86	24	27	14
20	22	23	27	23	27	162	133	154	80	24	25	15
21	22	21	26	23	27	196	143	148	75	29	17	15
22	21	20	25	e23	27	222	140	145	71	32	16	15
23	21	21	26	e23	27	242	126	141	71	30	17	15
24	21	22	29	23	26	239	156	137	70	24	17	15
25	21	22	26	22	23	207	184	133	66	23	16	14
26	22	21	28	e22	20	154	218	127	60	22	16	14
27	22	21	e28	22	25	134	268	142	57	21	16	14
28	21	22	e27	22	24	138	301	290	55	20	16	14
29	20	23	26	21	25	164	272	205	54	20	16	14
30	19	23	24	21	---	212	233	168	53	19	15	14
31	20	---	25	21	---	232	---	162	---	19	15	---
TOTAL	644	638	815	725	676	3,372	6,616	6,520	2,896	940	579	457
MEAN	20.8	21.3	26.3	23.4	23.3	109	221	210	96.5	30.3	18.7	15.2
MAX	29	23	29	26	27	242	301	374	158	51	30	22
MIN	18	19	22	20	20	25	126	127	53	19	15	14
AC-FT	1,280	1,270	1,620	1,440	1,340	6,690	13,120	12,930	5,740	1,860	1,150	906

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1901 - 2004, BY WATER YEAR (WY)

MEAN	26.9	39.4	46.1	52.7	56.1	78.3	207	374	256	104	47.5	30.4
MAX	79.1	321	347	621	258	283	502	924	996	525	223	120
(WY)	(1983)	(1951)	(1951)	(1997)	(1963)	(1986)	(1907)	(1906)	(1983)	(1907)	(1907)	(1983)
MIN	8.27	13.1	12.8	13.7	16.3	18.2	46.6	56.4	37.4	18.1	11.1	7.00
(WY)	(1989)	(1991)	(1991)	(1961)	(1977)	(1977)	(1975)	(1977)	(1992)	(1977)	(1977)	(1977)

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN
10310000 WEST FORK CARSON RIVER AT WOODFORDS, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1901 - 2004	
ANNUAL TOTAL	32,497		24,878		110	
ANNUAL MEAN	89.0		68.0		290	
HIGHEST ANNUAL MEAN					26.1	
LOWEST ANNUAL MEAN					1907	
HIGHEST DAILY MEAN	735	May 30	374	May 5	5,500	Jan 2, 1997
LOWEST DAILY MEAN	18	Sep 16	14	Sep 18	5.3	Sep 2, 1977
ANNUAL SEVEN-DAY MINIMUM	18	Sep 22	14	Sep 24	5.4	Sep 5, 1977
MAXIMUM PEAK FLOW			462	May 5	8,100	Jan 1, 1997
MAXIMUM PEAK STAGE			12.16	May 5	15.36	Jan 1, 1997
ANNUAL RUNOFF (AC-FT)	64,460		49,350		79,680	
10 PERCENT EXCEEDS	213		206		293	
50 PERCENT EXCEEDS	30		25		45	
90 PERCENT EXCEEDS	20		17		17	

e Estimated

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10310400 DAGGETT CREEK NEAR GENOA, NV

LOCATION.--Lat 38°57'55", long 119°50'55" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec. 28, T.13 N., R.19 E., Douglas County, Hydrologic Unit 16050201, in Haines Canyon on left bank, 0.55 mi upstream from Foothill Road, and 3.5 mi southwest of Genoa.

DRAINAGE AREA.--3.82 mi².

PERIOD OF RECORD.--1964 (miscellaneous site), 1965 (low-flow, partial-record site). October 1965 to September 1983, December 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,100 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. No diversions above station. Intermittent pumping of effluent from Lake Tahoe Basin by Douglas County Sewer Improvement District No. 1, occurred from February 1969 to November 1971. [See schematic diagram of Carson River Basin, Upper Carson River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 63 ft³/s, August 5, 1971, gage height, 2.78 ft; minimum daily, 0.38 ft³/s, October 9, 1979.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5.0 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
December 24	1330	*6.6	*1.05	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.48	0.80	1.2	1.0	1.1	1.6	1.5	1.1	0.91	0.82	0.71	0.82
2	0.50	0.83	1.2	0.98	1.0	1.5	1.5	1.2	0.90	0.78	0.69	0.85
3	0.53	0.88	1.2	0.99	1.1	1.5	1.5	1.1	0.90	0.78	0.72	0.92
4	0.54	0.87	1.3	0.97	1.1	1.5	1.5	1.1	0.89	0.78	0.73	0.91
5	0.57	0.86	1.4	0.97	1.1	1.5	1.5	1.1	0.88	0.78	0.80	0.89
6	0.60	0.87	1.5	0.98	1.1	1.6	1.5	1.1	0.91	0.76	0.83	0.85
7	0.63	0.84	1.3	1.0	1.1	1.6	1.5	1.1	0.93	0.77	0.83	0.88
8	0.60	0.88	0.92	1.0	1.1	1.6	1.5	1.1	0.96	0.78	0.83	0.86
9	0.60	0.99	1.0	0.98	1.1	1.7	1.5	1.1	0.98	0.81	0.79	0.88
10	0.67	1.0	0.97	0.97	1.2	1.7	1.4	1.1	0.94	0.79	0.80	0.89
11	0.64	1.1	0.91	0.97	1.1	1.7	1.4	1.2	0.92	0.81	0.85	0.87
12	0.65	1.0	0.91	0.97	1.1	1.7	1.4	1.1	0.90	0.80	0.92	0.86
13	0.69	0.99	0.93	0.96	1.1	1.7	1.4	1.1	0.87	0.80	0.85	0.84
14	0.69	0.96	0.95	0.97	1.1	1.6	1.4	1.1	0.83	0.80	0.83	0.91
15	0.69	1.0	0.93	0.99	1.0	1.7	1.4	1.1	0.84	0.79	0.73	0.94
16	0.68	1.1	1.0	0.96	1.9	1.6	1.4	1.0	0.84	0.80	0.81	0.92
17	0.69	1.1	1.1	0.98	1.6	1.7	1.5	1.0	0.84	0.78	0.77	0.92
18	0.69	1.1	1.1	0.97	1.5	1.8	1.5	1.0	0.83	0.83	0.76	0.95
19	0.68	1.1	1.1	0.97	1.4	1.8	1.5	1.1	0.84	0.84	0.78	0.95
20	0.69	1.1	1.1	0.99	1.3	1.8	1.5	1.0	0.83	0.84	0.77	1.1
21	0.70	1.1	1.1	1.00	1.3	1.8	1.5	1.1	0.81	0.81	0.73	1.1
22	0.68	1.1	1.0	1.0	1.3	1.8	1.4	1.1	0.80	0.80	0.82	1.0
23	0.69	1.1	1.1	0.99	1.3	1.8	1.2	1.1	0.79	0.81	0.84	1.0
24	0.71	1.2	2.8	0.97	1.3	1.7	1.2	1.0	0.77	0.81	0.81	1.9
25	0.71	1.2	1.6	0.97	1.6	1.5	1.2	0.97	0.78	0.81	0.80	0.84
26	0.72	1.3	1.0	1.0	1.5	1.6	1.2	0.98	0.78	0.82	0.81	0.83
27	0.72	1.3	0.93	1.00	1.4	1.6	1.2	0.96	0.78	0.76	0.84	0.86
28	0.73	1.2	0.96	0.98	1.4	1.5	1.2	1.3	0.80	0.68	0.85	0.88
29	0.71	1.2	1.0	0.99	1.6	1.6	1.2	1.0	0.82	0.68	0.84	0.87
30	0.75	1.2	1.0	0.99	---	1.6	1.1	0.94	0.83	0.71	0.84	0.89
31	0.82	---	0.97	1.0	---	1.6	---	0.91	---	0.70	0.82	---
TOTAL	20.45	31.27	35.48	30.46	36.8	51.0	41.7	33.16	25.70	24.33	24.80	28.18
MEAN	0.66	1.04	1.14	0.98	1.27	1.65	1.39	1.07	0.86	0.78	0.80	0.94
MAX	0.82	1.3	2.8	1.0	1.9	1.8	1.5	1.3	0.98	0.84	0.92	1.9
MIN	0.48	0.80	0.91	0.96	1.0	1.5	1.1	0.91	0.77	0.68	0.69	0.82
AC-FT	41	62	70	60	73	101	83	66	51	48	49	56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2004, BY WATER YEAR (WY)

MEAN	1.34	1.64	1.55	1.82	1.82	2.05	2.10	2.44	2.26	1.72	1.51	1.32
MAX	3.48	3.49	3.64	5.82	3.72	3.86	3.38	4.73	6.84	5.30	7.29	4.20
(WY)	(1970)	(1969)	(1971)	(1970)	(1970)	(1970)	(1967)	(1967)	(1983)	(1969)	(1969)	(1970)
MIN	0.66	0.83	0.77	0.98	1.04	1.06	1.10	0.98	0.68	0.51	0.56	0.56
(WY)	(2004)	(1980)	(1993)	(1989)	(1991)	(1977)	(1994)	(1990)	(1994)	(1994)	(1994)	(1979)

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN
10310400 DAGGETT CREEK NEAR GENOA, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1966 - 2004	
ANNUAL TOTAL	402.63		383.33			
ANNUAL MEAN	1.10		1.05		1.83	
HIGHEST ANNUAL MEAN					3.57 1969	
LOWEST ANNUAL MEAN					0.95 1994	
HIGHEST DAILY MEAN	2.8	Dec 24	2.8	Dec 24	35	Jan 2, 1997
LOWEST DAILY MEAN	0.46	Sep 29	0.48	Oct 1	0.38	Oct 9, 1979
ANNUAL SEVEN-DAY MINIMUM	0.48	Sep 27	0.55	Oct 1	0.45	Jun 29, 1994
MAXIMUM PEAK FLOW			6.6	Dec 24	63	Aug 5, 1971
MAXIMUM PEAK STAGE			1.05	Dec 24	2.78	Aug 5, 1971
ANNUAL RUNOFF (AC-FT)	799		760		1,330	
10 PERCENT EXCEEDS	1.5		1.5		3.3	
50 PERCENT EXCEEDS	1.1		0.98		1.4	
90 PERCENT EXCEEDS	0.68		0.73		0.86	

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10310407 CARSON RIVER NEAR GENOA, NV

LOCATION.--Lat 39°00'45", long 119°49'48" referenced to North American Datum of 1927, in SW ¼ SE ¼ sec. 03, T.13 N., R.19 E., Douglas County, Hydrologic Unit 16050201, on right bank, 0.2 mi below confluence of Carson River and Brockliss Slough, and 1 mi northeast of Genoa.

DRAINAGE AREA.--672.13 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 4,670 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair. Many diversions for irrigation above station. Intermittent pumping above gage for Genoa Lakes Golf Course. [See schematic diagram of Carson River Basin, Upper Carson River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 3,000 ft³/s, May 29, 2003, gage height, unknown; minimum daily, 2.9 ft³/s, September 10, 11, 25.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,180 ft³/s, May 6, gage height, 10.45 ft; minimum daily discharge, 2.9 ft³/s, September 10, 11, 25.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e15	e57	84	144	124	234	652	510	419	47	6.0	3.6
2	e12	e62	83	137	128	254	592	612	411	40	5.7	3.5
3	e10	e63	84	129	137	245	502	780	393	33	5.6	3.4
4	e10	e65	84	e120	134	226	554	865	405	32	5.3	3.3
5	e11	e71	84	114	133	220	708	1,030	382	35	5.2	3.2
6	e11	e78	112	127	126	224	664	1,060	375	33	5.3	3.2
7	e12	e79	204	147	136	243	623	894	368	37	5.2	3.3
8	e13	e82	157	153	133	271	575	808	320	30	5.2	3.4
9	e11	e99	115	145	124	314	609	769	272	25	5.2	3.1
10	e15	e118	111	145	132	378	592	720	249	23	5.2	2.9
11	e16	e100	110	141	137	429	587	650	214	25	5.1	2.9
12	e17	e80	100	140	141	438	619	565	180	27	5.3	3.0
13	e22	e70	104	138	143	450	603	514	189	24	5.1	3.1
14	e24	e70	113	134	146	468	579	495	218	21	5.0	3.2
15	e23	e71	109	137	151	532	471	499	214	17	5.7	3.3
16	e30	e71	90	136	151	537	425	522	153	14	5.8	3.3
17	e32	e79	101	134	245	525	376	545	128	11	5.8	3.4
18	e34	83	105	135	271	519	358	485	113	9.1	6.0	3.3
19	e37	83	106	133	257	656	292	420	104	8.6	6.3	3.0
20	e34	78	104	136	221	739	241	409	94	8.1	5.1	3.2
21	e34	79	107	137	209	806	231	377	89	8.6	4.5	3.0
22	e32	79	103	133	211	905	226	382	84	8.6	4.1	3.3
23	e31	76	99	120	211	924	214	383	83	9.0	4.5	4.2
24	e31	72	118	137	202	950	213	343	78	7.9	4.3	3.3
25	e26	83	229	139	226	879	264	308	71	7.6	4.2	2.9
26	e29	82	183	131	556	760	339	297	70	7.6	4.6	4.0
27	e31	79	143	130	323	624	430	260	74	8.0	4.7	3.9
28	e36	80	115	132	257	559	606	507	74	7.5	5.0	3.2
29	e42	84	135	128	241	510	664	688	71	7.0	4.2	3.6
30	e44	85	156	128	---	551	579	494	58	6.6	4.1	3.6
31	e44	---	149	126	---	575	---	439	---	6.3	3.7	---
TOTAL	769	2,358	3,697	4,166	5,606	15,945	14,388	17,630	5,953	584.5	157.0	99.6
MEAN	24.8	78.6	119	134	193	514	480	569	198	18.9	5.06	3.32
MAX	44	118	229	153	556	950	708	1,060	419	47	6.3	4.2
MIN	10	57	83	114	124	220	213	260	58	6.3	3.7	2.9
AC-FT	1,530	4,680	7,330	8,260	11,120	31,630	28,540	34,970	11,810	1,160	311	198

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

	2003	2003	2002	2003	2003	2004	2002	2003	2003	2003	2003	2003
MEAN	21.1	96.9	129	163	182	319	449	740	475	26.9	12.5	10.8
MAX	28.5	142	134	178	213	514	552	999	845	39.8	19.8	16.7
(WY)	(2003)	(2003)	(2002)	(2003)	(2003)	(2004)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	9.82	70.2	119	134	138	203	316	569	198	18.9	5.06	3.32
(WY)	(2002)	(2002)	(2004)	(2004)	(2002)	(2002)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN
 10310407 CARSON RIVER NEAR GENOA, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	93,955		71,353.1			
ANNUAL MEAN	257		195		219	
HIGHEST ANNUAL MEAN					264	2003
LOWEST ANNUAL MEAN					195	2004
HIGHEST DAILY MEAN	2,630	May 30	1,060	May 6	2,630	May 30, 2003
LOWEST DAILY MEAN	10	Aug 11	2.9	Sep 10	2.9	Sep 10, 2004
ANNUAL SEVEN-DAY MINIMUM	10	Aug 11	3.1	Sep 9	3.1	Sep 9, 2004
MAXIMUM PEAK FLOW			1,180	May 6	3,000	May 29, 2003
MAXIMUM PEAK STAGE			10.45	May 6	10.45	May 6, 2004
ANNUAL RUNOFF (AC-FT)	186,400		141,500		158,400	
10 PERCENT EXCEEDS	519		568		579	
50 PERCENT EXCEEDS	133		112		127	
90 PERCENT EXCEEDS	14		4.4		11	

e Estimated

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10310447 AMBROSETTI POND NEAR GENOA, NV

LOCATION.--Lat 39°02'31", long 119°47'01" referenced to North American Datum of 1927, in SW ¼ SW ¼ sec. 30, T.14 N., R.20 E., Douglas County, Hydrologic Unit 16050201, on right bank, 20 ft upstream of outlet gate structure, and 4.3 mi northeast of Genoa.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1992 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,660 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. [See schematic diagram of Carson River Basin, Upper Carson River Basin.](#)

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.18 ft, May 29; minimum gage height, 2.19 ft, January 6.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.99	5.36	4.85	4.53	4.28	4.42	4.92	5.06	5.62	3.79	3.69	3.52
2	2.95	5.26	4.93	4.31	4.14	4.24	5.05	5.53	5.12	3.76	3.63	3.49
3	2.94	5.21	5.03	4.02	4.02	4.15	5.15	5.96	4.71	3.82	3.62	3.47
4	2.94	5.20	5.12	3.13	3.91	3.98	5.00	5.61	4.71	3.82	3.63	3.45
5	2.92	5.24	5.16	2.82	3.80	3.81	4.66	5.18	4.91	3.80	3.57	3.49
6	2.89	5.26	5.20	2.47	3.87	3.97	4.30	4.86	5.64	3.86	3.57	3.47
7	2.87	5.28	5.33	3.11	4.19	4.14	3.78	4.98	5.80	4.17	3.59	3.40
8	2.85	5.31	5.48	3.66	4.67	4.30	3.17	5.11	5.27	4.40	3.55	3.36
9	2.84	5.26	5.36	3.99	4.74	4.45	3.08	4.39	4.50	4.58	3.47	3.36
10	2.80	5.17	5.20	4.17	4.74	4.61	3.69	3.52	4.44	4.78	3.38	3.32
11	2.77	5.06	5.06	4.31	4.70	4.81	3.93	3.69	4.55	4.86	3.30	3.29
12	2.74	4.88	4.95	4.42	4.66	5.03	4.37	3.78	4.70	4.74	3.28	3.25
13	2.70	4.68	4.86	4.51	4.63	5.23	5.05	3.91	4.61	4.49	3.28	3.20
14	2.69	4.46	4.81	4.58	4.61	5.30	5.48	4.08	4.22	4.22	3.35	3.15
15	2.94	4.22	4.87	4.66	4.62	5.34	5.86	4.58	3.90	4.10	3.39	3.16
16	3.36	3.95	4.88	4.74	4.60	5.17	5.82	5.37	3.74	3.95	3.50	3.22
17	3.71	3.62	4.84	4.80	4.57	4.91	5.81	5.84	4.09	3.91	3.53	3.25
18	3.96	3.26	4.79	4.83	4.62	4.67	5.66	5.87	4.58	3.90	3.54	3.32
19	4.05	3.22	4.84	4.83	4.82	4.78	5.63	5.58	5.12	3.89	3.56	3.35
20	4.10	3.32	4.97	4.87	4.97	4.91	5.43	4.82	5.53	3.91	3.59	3.32
21	4.13	3.45	5.20	4.97	5.05	4.81	4.69	3.79	5.54	3.96	3.60	3.30
22	4.19	3.67	5.40	5.24	5.12	4.92	4.02	3.37	5.08	3.93	3.57	3.27
23	4.27	3.91	5.37	5.69	5.15	5.25	3.72	4.51	4.85	3.86	3.53	3.37
24	4.37	4.08	5.31	5.54	5.09	5.25	4.07	5.35	4.52	3.78	3.47	3.38
25	4.48	4.19	5.31	5.36	4.77	5.14	4.09	5.78	3.97	3.70	3.42	3.37
26	4.66	4.32	5.32	5.19	4.76	5.08	4.06	5.87	3.88	3.66	3.35	3.38
27	4.89	4.45	5.25	5.04	4.87	5.11	4.15	5.90	3.63	3.68	3.31	3.34
28	5.08	4.55	5.08	4.89	4.80	5.00	4.32	6.00	3.24	3.71	3.30	3.42
29	5.29	4.65	4.89	4.74	4.63	5.02	4.53	6.13	3.24	3.72	3.39	3.55
30	5.39	4.75	4.77	4.61	---	5.21	4.81	6.02	3.73	3.74	3.53	3.55
31	5.45	---	4.67	4.44	---	5.15	---	5.94	---	3.74	3.52	---
MAX	5.45	5.36	5.48	5.69	5.15	5.34	5.86	6.13	5.80	4.86	3.69	3.55
MIN	2.69	3.22	4.67	2.47	3.80	3.81	3.08	3.37	3.24	3.66	3.28	3.15

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN
10310448 AMBROSETTI POND OUTLET NEAR GENOA, NV

LOCATION.--Lat 39°02'32", long 119°47'00" referenced to North American Datum of 1927, in SW ¼ SW ¼ sec. 30, T.14 N., R.20 E., Douglas County, Hydrologic Unit 16050201, on right gate of outlet structure, and 4.3 mi northeast of Genoa.

DRAINAGE AREA.--

PERIOD OF RECORD.--August 1992 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,660 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 1, 1995 at same site at datum 3.83 higher.

REMARKS.--No estimated daily discharges. Records fair. [See schematic diagram of Carson River Basin, Upper Carson River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, unknown due to uncontrolled releases on many occasions; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 69 ft³/s, June 7, 8, 9, gage height, 6.55 ft; minimum daily discharge, 0.00 ft³/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	7.6	4.9	13	10	14	18	13	49	5.9	0.05	0.00
2	0.00	7.6	4.9	13	10	13	18	13	48	4.6	0.05	0.00
3	0.00	7.6	4.9	13	10	12	18	25	32	3.6	0.05	0.00
4	0.00	7.6	5.5	12	10	12	18	44	22	3.6	0.05	0.00
5	0.00	7.6	6.4	12	9.2	9.8	18	44	22	3.6	0.05	0.00
6	0.05	7.6	6.4	8.1	7.0	7.0	18	46	26	3.6	0.05	0.00
7	0.17	7.6	7.0	5.9	7.0	7.0	18	46	64	3.6	0.05	0.00
8	0.23	8.3	8.2	5.9	7.0	7.2	18	46	69	3.6	0.05	0.00
9	0.23	8.9	10	5.9	7.0	7.6	15	46	48	3.6	0.05	0.00
10	0.22	8.9	10	5.9	7.0	7.6	8.2	46	27	4.6	0.05	0.00
11	0.21	8.9	10	5.9	7.0	7.8	8.2	46	27	5.9	0.05	0.00
12	0.19	8.9	10	5.9	7.0	8.2	8.2	46	27	5.9	0.05	0.00
13	0.16	8.9	9.8	5.9	7.0	9.6	8.3	31	27	5.9	0.05	0.00
14	0.16	8.2	9.5	5.9	7.0	12	11	21	22	3.4	0.05	0.00
15	0.16	8.2	8.9	5.7	7.0	13	18	21	16	1.9	0.05	0.00
16	0.16	8.2	8.9	5.4	7.0	16	22	21	11	0.98	0.05	0.00
17	0.16	8.2	8.9	5.4	7.5	16	22	26	9.5	0.10	0.05	0.00
18	0.16	6.9	8.2	5.4	7.6	13	22	33	9.5	0.10	0.05	0.00
19	0.16	4.4	7.6	5.4	7.6	8.9	23	33	11	0.10	0.05	0.00
20	0.16	4.4	7.6	5.4	8.1	12	27	33	15	0.05	0.05	0.00
21	0.16	4.7	7.6	5.4	8.2	14	30	33	26	0.05	0.05	0.00
22	0.16	4.9	9.9	5.4	8.2	14	30	23	30	0.05	0.05	0.00
23	0.16	4.9	12	8.3	8.2	17	23	8.9	29	0.05	0.05	0.00
24	0.16	4.9	12	10	11	18	13	9.7	29	0.05	0.05	0.00
25	0.16	4.9	12	10	13	18	13	10	24	0.05	0.05	0.00
26	0.16	4.9	12	9.8	13	18	13	10	13	0.05	0.03	0.00
27	0.16	4.9	12	9.5	13	18	13	13	13	0.05	0.02	0.00
28	0.19	4.9	12	9.5	14	18	13	15	13	0.05	0.01	0.00
29	3.0	4.9	12	9.5	14	18	13	20	8.6	0.05	0.00	0.00
30	5.4	4.9	12	10	---	18	13	32	5.9	0.05	0.00	0.00
31	6.3	---	12	10	---	18	---	38	---	0.05	0.00	---
TOTAL	18.59	203.3	283.1	248.4	259.6	402.7	510.9	892.6	773.5	65.18	1.31	0.00
MEAN	0.60	6.78	9.13	8.01	8.95	13.0	17.0	28.8	25.8	2.10	0.04	0.00
MAX	6.3	8.9	12	13	14	18	30	46	69	5.9	0.05	0.00
MIN	0.00	4.4	4.9	5.4	7.0	7.0	8.2	8.9	5.9	0.05	0.00	0.00
AC-FT	37	403	562	493	515	799	1,010	1,770	1,530	129	2.6	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	8.09	13.8	12.7	20.8	15.0	14.3	15.6	21.0	23.9	7.13	3.97	2.54
MAX	29.3	36.2	34.2	81.6	34.1	29.7	28.8	42.3	50.6	15.6	10.4	10.8
(WY)	(1999)	(1997)	(1997)	(1997)	(1998)	(1995)	(1997)	(1996)	(1997)	(1995)	(1998)	(1998)
MIN	0.00	2.13	2.24	2.02	1.76	1.61	0.58	0.53	7.00	0.53	0.04	0.00
(WY)	(2002)	(1993)	(1993)	(1993)	(1993)	(1993)	(1993)	(1993)	(1994)	(1994)	(2004)	(1994)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1992 - 2004	
ANNUAL TOTAL	4,156.18	3,659.18		
ANNUAL MEAN	11.4	10.0	13.9	
HIGHEST ANNUAL MEAN			26.8	1997
LOWEST ANNUAL MEAN			7.99	2002
HIGHEST DAILY MEAN	47	69	200	Jan 27, 1997
LOWEST DAILY MEAN	0.00	0.00	0.00	Jun 19, 1994
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00	0.00	Jun 19, 1994
ANNUAL RUNOFF (AC-FT)	8,240	7,260	10,090	
10 PERCENT EXCEEDS	21	24	29	
50 PERCENT EXCEEDS	9.6	7.6	9.6	
90 PERCENT EXCEEDS	0.16	0.00	0.00	

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10310500 CLEAR CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°06'48", long 119°47'50" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 01, T.14 N., R.19 E., Douglas County, Hydrologic Unit 16050201, on left bank, 3 mi upstream from mouth, and 3.5 mi southwest of Carson City.

DRAINAGE AREA.--15.5 mi².

PERIOD OF RECORD.--March 1948 to September 1962, occasional low-flow measurements, water years 1963-1988, and annual maximum, water years 1963-1981, January 1989 to current year.

GAGE.--Water-stage recorder and sharp crested weir. Elevation of gage is 5,000 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. [See schematic diagram of Carson River Basin, Upper Carson River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 266 ft³/s, January 2, 1997, gage height, 3.94 ft; minimum daily, 0.42 ft³/s, August 3, 1992.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8.0 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
December 24	1715	*12	1.58	February 16	1815	10	1.53

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	2.7	3.3	4.4	4.3	5.4	5.4	3.7	2.5	2.0	1.7	1.3
2	1.9	2.6	3.3	4.4	4.5	5.3	5.1	3.7	2.3	2.0	1.8	1.4
3	1.9	2.8	3.3	3.9	4.4	5.2	5.2	3.7	2.3	2.0	1.8	1.5
4	1.9	2.7	3.3	3.6	4.3	5.4	5.4	3.8	2.2	1.9	1.8	1.6
5	1.9	2.7	3.5	3.0	4.2	5.5	5.1	3.6	1.9	1.9	1.8	1.5
6	1.9	2.7	e3.5	3.4	4.4	5.8	4.6	3.5	2.2	1.8	1.8	1.4
7	2.0	2.9	e3.6	4.3	4.4	5.6	4.3	3.4	2.2	1.8	1.8	1.4
8	1.9	2.9	e3.7	4.7	4.3	5.6	4.4	3.3	2.0	1.9	1.8	1.4
9	2.0	3.5	3.8	4.5	4.2	5.8	4.4	3.3	2.2	1.9	1.7	1.3
10	2.0	3.3	4.1	4.5	4.2	6.2	4.3	3.4	2.2	1.8	1.7	1.5
11	2.0	2.9	4.0	4.5	4.2	6.0	4.1	3.7	2.1	1.9	1.7	1.5
12	2.0	2.9	3.9	4.4	4.2	5.8	4.0	3.6	2.0	1.9	1.7	1.5
13	2.0	2.9	4.8	4.5	4.2	6.0	4.0	3.5	1.9	1.7	1.7	1.5
14	2.1	3.0	4.6	4.5	4.2	6.2	4.0	3.3	1.9	1.7	1.7	1.5
15	2.0	3.2	4.1	4.6	4.3	6.7	3.9	3.1	1.9	1.8	1.7	1.4
16	2.0	3.3	4.0	4.5	6.1	7.1	3.9	3.1	1.8	1.8	1.8	1.4
17	2.1	3.2	3.9	4.4	6.1	7.6	3.9	3.0	2.0	1.8	1.9	1.5
18	2.1	3.1	3.9	4.4	6.7	8.0	3.8	2.8	2.2	1.8	1.8	1.5
19	2.0	3.1	4.1	4.3	5.5	8.0	4.1	3.4	2.2	1.8	1.8	1.7
20	2.0	3.2	4.5	4.4	5.2	6.9	4.1	3.3	2.1	1.8	1.8	1.9
21	2.1	3.2	4.7	4.3	5.1	6.9	4.0	3.1	2.1	1.8	1.7	1.9
22	2.1	3.2	4.2	4.3	5.0	6.9	3.9	3.0	2.1	1.8	1.6	1.8
23	2.1	3.4	4.1	4.3	4.9	7.0	3.8	2.9	2.0	1.7	1.7	1.7
24	2.2	3.2	6.6	4.4	4.8	6.4	3.8	2.9	2.0	1.7	1.7	1.6
25	2.3	3.2	5.5	4.2	5.6	6.1	3.8	2.8	2.0	1.7	1.6	1.6
26	2.2	3.2	4.6	4.2	5.7	6.1	3.6	2.6	2.0	1.8	1.6	1.6
27	2.1	3.2	e4.5	4.3	5.4	5.6	3.7	2.5	2.0	1.8	1.7	1.6
28	2.2	3.3	e4.5	4.3	5.2	5.2	3.7	3.8	1.8	1.7	1.6	1.6
29	2.2	3.3	4.5	4.3	5.3	5.1	3.6	3.2	1.9	1.7	1.6	1.7
30	2.3	3.4	4.4	4.5	---	5.4	3.6	2.9	2.0	1.8	1.6	1.8
31	2.5	---	4.3	4.3	---	5.4	---	2.5	---	1.7	1.4	---
TOTAL	63.8	92.2	129.1	132.6	140.9	190.2	125.5	100.4	62.0	56.2	53.1	46.6
MEAN	2.06	3.07	4.16	4.28	4.86	6.14	4.18	3.24	2.07	1.81	1.71	1.55
MAX	2.5	3.5	6.6	4.7	6.7	8.0	5.4	3.8	2.5	2.0	1.9	1.9
MIN	1.8	2.6	3.3	3.0	4.2	5.1	3.6	2.5	1.8	1.7	1.4	1.3
AC-FT	127	183	256	263	279	377	249	199	123	111	105	92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2004, BY WATER YEAR (WY)

MEAN	3.02	4.37	5.55	6.96	7.12	8.11	9.01	8.10	5.07	3.02	2.39	2.44
MAX	6.54	11.2	15.3	36.3	16.4	19.3	30.9	26.8	15.5	8.09	6.01	5.77
(WY)	(1953)	(1951)	(1951)	(1997)	(1997)	(1997)	(1952)	(1952)	(1998)	(1952)	(1997)	(1997)
MIN	1.31	1.89	2.31	2.13	3.24	3.36	2.80	1.39	1.12	0.75	0.67	1.00
(WY)	(1995)	(1962)	(1962)	(1962)	(1991)	(1992)	(1992)	(1992)	(1994)	(1994)	(1994)	(1994)

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN
10310500 CLEAR CREEK NEAR CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1948 - 2004	
ANNUAL TOTAL	1,334.3		1,192.6			
ANNUAL MEAN	3.66		3.26		5.47	
HIGHEST ANNUAL MEAN					13.4	
LOWEST ANNUAL MEAN					2.09	
HIGHEST DAILY MEAN	8.5	Jan 23	8.0	Mar 18	198	Jan 2, 1997
LOWEST DAILY MEAN	1.6	Aug 12	1.3	Sep 1	0.42	Aug 3, 1992
ANNUAL SEVEN-DAY MINIMUM	1.6	Aug 14	1.4	Sep 5	0.44	Aug 3, 1992
MAXIMUM PEAK FLOW			12	Dec 24	266	Jan 2, 1997
MAXIMUM PEAK STAGE			1.58	Dec 24	3.94	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	2,650		2,370		3,960	
10 PERCENT EXCEEDS	5.4		5.4		11	
50 PERCENT EXCEEDS	3.4		3.2		4.2	
90 PERCENT EXCEEDS	1.8		1.7		1.6	

e Estimated

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10311000 CARSON RIVER NEAR CARSON CITY, NV

LOCATION.--Lat 39°06'28", long 119°42'44" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec. 02, T.14 N., R.20 E., Carson City County, Hydrologic Unit 16050201, on left bank, 2 mi downstream from Clear Creek, 3 mi upstream from Lloyds Bridge on road to Mexican Dam, 5 mi southeast of Carson City Post Office, and at mi 70.40 upstream from Lahontan Dam.

DRAINAGE AREA.--886 mi².

PERIOD OF RECORD.--May 1939 to current year.

REVISED RECORDS.--WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,620.48 ft above National Geodetic Vertical Datum of 1929. Prior to December 23, 1955, water-stage recorder on right bank at datum 1.0 ft higher. December 23, 1955, to March 13, 1956, nonrecording gage at present site at datum 1.0 ft higher. March 14, 1956, to September 30, 1963, water-stage recorder at present site at datum 1.0 ft higher.

REMARKS.--Records fair except for July, August, September and estimated daily discharges, which are poor. Many diversions above station for irrigation. Flow slightly regulated by several small reservoirs on tributaries. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,500 ft³/s, January 3, 1997, gage height, 18.43 ft; no flow September 5, 1992.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 6	1345	*1,200	*4.21				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	61	94	177	146	262	579	540	444	41	7.5	3.6
2	17	66	92	172	146	275	600	598	423	32	7.9	3.3
3	15	68	91	160	165	275	492	785	392	31	8.0	3.5
4	15	69	92	160	162	244	495	899	383	27	7.9	3.6
5	16	74	93	133	155	231	e590	1,020	388	28	7.9	3.7
6	16	81	104	139	148	223	e610	1,110	396	32	8.1	3.5
7	17	82	214	167	152	236	e600	990	413	27	8.3	3.6
8	18	84	237	184	162	263	549	874	391	30	8.9	3.5
9	16	99	162	179	142	300	598	835	331	25	8.8	3.2
10	19	120	139	173	148	356	574	783	279	26	8.5	3.6
11	20	108	144	169	154	413	580	709	251	29	8.6	4.2
12	21	91	132	165	162	428	594	624	202	35	8.5	4.3
13	26	90	124	162	169	441	594	549	191	32	8.3	4.4
14	28	85	146	158	171	452	588	498	212	30	8.5	4.8
15	27	92	150	157	181	506	504	509	212	26	7.5	5.6
16	34	93	115	161	182	527	471	524	169	24	8.4	5.6
17	36	90	121	154	252	523	418	570	120	20	7.7	5.8
18	38	90	129	156	337	509	402	542	113	17	7.0	6.5
19	41	89	133	153	337	584	353	473	98	18	6.6	7.3
20	38	83	133	156	280	684	309	430	98	14	8.6	7.9
21	38	78	137	162	257	710	293	397	103	13	8.0	8.4
22	36	79	139	151	253	813	280	386	108	12	6.3	9.5
23	37	78	134	146	252	842	275	374	104	12	6.2	9.6
24	37	73	144	156	244	867	259	355	99	15	5.3	8.9
25	31	76	256	171	249	827	282	310	85	11	4.8	9.6
26	34	87	253	156	550	729	354	304	62	8.9	3.4	9.8
27	37	84	202	150	421	605	426	262	63	7.4	4.9	11
28	42	80	147	157	309	525	587	338	65	6.3	5.2	11
29	47	89	138	150	276	484	690	729	59	8.4	4.9	13
30	49	93	190	152	---	499	629	541	55	6.3	4.3	13
31	49	---	187	149	---	538	---	460	---	6.9	3.6	---
TOTAL	914	2,532	4,572	4,935	6,562	15,171	14,575	18,318	6,309	651.2	218.4	195.3
MEAN	29.5	84.4	147	159	226	489	486	591	210	21.0	7.05	6.51
MAX	49	120	256	184	550	867	690	1,110	444	41	8.9	13
MIN	15	61	91	133	142	223	259	262	55	6.3	3.4	3.2
AC-FT	1,810	5,020	9,070	9,790	13,020	30,090	28,910	36,330	12,510	1,290	433	387

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	95.8	203	281	364	385	418	604	1,181	960	262	57.6	46.3
MAX	527	1,693	1,992	3,171	2,115	1,573	1,467	3,129	4,099	1,764	657	281
(WY)	(1983)	(1951)	(1951)	(1997)	(1986)	(1986)	(1982)	(1969)	(1983)	(1995)	(1983)	(1983)
MIN	7.69	46.6	52.4	76.4	62.7	73.7	46.4	93.9	47.7	11.6	2.81	1.96
(WY)	(1978)	(1978)	(1989)	(1991)	(1991)	(1977)	(1977)	(1977)	(1988)	(1977)	(1977)	(1977)

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN
10311000 CARSON RIVER NEAR CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	106,648		74,952.9		404	
ANNUAL MEAN	292		205		58.5	1977
HIGHEST ANNUAL MEAN					1,142	1983
LOWEST ANNUAL MEAN					26,100	Jan 3, 1997
HIGHEST DAILY MEAN	2,830	May 30	1,110	May 6	0.00	Sep 5, 1992
LOWEST DAILY MEAN	12	Aug 10	3.2	Sep 9	1.5	Aug 24, 1992
ANNUAL SEVEN-DAY MINIMUM	12	Aug 10	3.5	Sep 3	30,500	Jan 3, 1997
MAXIMUM PEAK FLOW			1,200	May 6	18.43	Jan 3, 1997
MAXIMUM PEAK STAGE			4.21	May 6	293,000	
ANNUAL RUNOFF (AC-FT)	211,500		148,700		1,070	
10 PERCENT EXCEEDS	629		556		180	
50 PERCENT EXCEEDS	162		138		20	
90 PERCENT EXCEEDS	19		7.5			

e Estimated

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10311089 NORTH FORK KINGS CANYON DIVERSION NEAR CARSON CITY, NV

LOCATION.--Lat 39°09'18", long 119°48'58" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 23, T.15 N., R.19 E., Carson City County, Hydrologic Unit 16050201, on left bank, 2.9 mi west of Carson Street off Kings Canyon Road.

DRAINAGE AREA.--1.83 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 5,530 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Periodic regulation for municipal use. [See schematic diagram of Carson River Basin, Upper Carson River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5.7 ft³/s, January 7, 1997, maximum gage height, 3.96 ft, January 2, 1997; no flow at times, some years, due to head gate regulation upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4.2 ft³/s, March 29, 30, gage height, 2.74 ft; minimum daily discharge, 0.44 ft³/s, March 13.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	0.83	1.2	1.2	1.0	0.79	1.1	0.65	0.95	0.99	0.90	1.0
2	1.2	1.2	1.2	1.2	1.0	0.79	1.1	0.93	0.95	0.96	0.91	1.0
3	1.2	1.2	1.2	0.84	1.0	0.79	0.73	0.95	0.95	0.60	0.91	1.0
4	0.78	1.2	1.2	1.2	1.0	0.77	1.1	0.98	0.96	0.91	0.91	0.68
5	1.2	1.2	1.2	e1.1	1.0	0.75	1.1	1.0	0.65	0.92	0.91	1.0
6	1.2	1.2	0.83	e1.1	1.0	0.49	1.1	1.0	0.99	0.91	0.91	1.0
7	1.2	1.3	1.2	e1.1	0.71	0.76	1.1	1.0	1.0	0.91	0.58	1.0
8	1.2	0.91	1.2	0.93	0.99	0.77	1.1	0.68	0.99	0.92	0.95	1.0
9	1.2	1.3	1.2	0.95	0.99	0.75	1.1	0.96	1.0	0.91	0.95	1.1
10	1.2	1.3	1.2	0.65	0.99	0.74	0.71	0.99	1.0	0.56	0.95	1.1
11	0.76	1.3	1.2	0.93	0.98	0.75	0.91	0.99	1.0	0.90	0.95	0.69
12	1.1	1.3	1.2	0.95	0.99	0.75	0.94	0.99	0.65	0.91	0.95	1.1
13	1.1	1.3	0.83	0.99	0.99	0.44	0.95	0.99	1.0	0.91	0.95	1.1
14	1.1	1.3	1.1	1.0	0.69	0.74	1.0	0.89	1.0	0.90	0.61	1.1
15	1.1	0.87	1.1	1.0	0.95	0.79	1.1	0.54	1.0	0.91	0.95	1.1
16	1.1	1.2	1.2	1.0	0.71	0.79	1.1	0.81	0.99	0.92	0.95	1.1
17	1.1	1.2	1.2	0.70	0.54	0.79	0.74	0.83	0.98	0.58	0.95	1.1
18	0.79	1.2	1.2	1.0	0.96	0.77	0.95	0.85	0.99	0.90	0.96	0.69
19	1.1	1.2	1.2	1.0	0.95	0.77	0.95	0.87	0.65	0.91	1.0	1.1
20	1.1	1.3	0.83	1.0	0.89	0.48	0.96	0.87	0.98	0.91	1.0	1.1
21	1.1	1.3	1.1	1.0	0.60	0.75	0.98	0.87	0.99	0.91	0.66	1.1
22	1.1	0.95	1.1	1.0	0.87	0.76	0.97	0.58	0.99	0.91	0.99	1.1
23	1.1	1.3	1.1	1.0	0.87	0.75	0.95	0.79	1.00	0.91	1.0	1.1
24	1.1	1.2	1.2	0.70	0.85	0.75	0.67	0.79	0.98	0.58	1.0	1.1
25	0.80	1.2	1.2	1.0	0.84	0.75	0.95	0.79	0.97	0.91	1.0	0.71
26	1.1	1.2	e1.2	1.0	0.83	0.75	0.95	0.79	0.62	0.91	1.0	1.0
27	1.2	1.2	e0.83	1.0	0.83	0.49	0.96	0.79	0.97	0.91	1.0	1.0
28	1.2	1.2	e1.2	1.0	0.56	0.79	0.95	0.82	0.99	0.91	0.65	1.0
29	1.2	0.83	1.2	1.0	0.79	1.8	0.95	0.60	0.98	0.91	1.0	1.0
30	1.2	1.2	1.2	1.0	---	2.3	0.95	0.95	0.99	0.91	1.0	1.1
31	1.2	---	1.2	0.71	---	1.1	---	0.95	---	0.56	1.0	---
TOTAL	34.23	35.39	35.22	30.25	25.37	25.46	29.12	26.49	28.16	26.67	28.45	30.27
MEAN	1.10	1.18	1.14	0.98	0.87	0.82	0.97	0.85	0.94	0.86	0.92	1.01
MAX	1.2	1.3	1.2	1.2	1.0	2.3	1.1	1.0	1.0	0.99	1.0	1.1
MIN	0.76	0.83	0.83	0.65	0.54	0.44	0.67	0.54	0.62	0.56	0.58	0.68
AC-FT	68	70	70	60	50	50	58	53	56	53	56	60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	1.25	1.60	1.41	1.26	1.14	1.25	1.28	1.26	1.63	1.63	1.38	1.13
MAX	3.31	3.69	3.05	3.15	2.52	3.08	3.17	3.77	4.65	4.50	3.25	2.66
(WY)	(1999)	(1996)	(1997)	(1998)	(1998)	(1999)	(1997)	(1997)	(1996)	(1996)	(1995)	(1996)
MIN	0.32	0.28	0.29	0.29	0.33	0.38	0.22	0.17	0.23	0.23	0.20	0.26
(WY)	(1992)	(1993)	(1992)	(1992)	(1992)	(1992)	(1989)	(1992)	(1992)	(1992)	(1992)	(1992)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1989 - 2004

ANNUAL TOTAL	366.99	355.08		
ANNUAL MEAN	1.01	0.97		1.37
HIGHEST ANNUAL MEAN				2.90
LOWEST ANNUAL MEAN				0.31
HIGHEST DAILY MEAN	2.3	Mar 14	2.3	Mar 30
LOWEST DAILY MEAN	0.52	May 24	0.44	Mar 13
ANNUAL SEVEN-DAY MINIMUM	0.76	May 20	0.71	Mar 8
ANNUAL RUNOFF (AC-FT)	728		704	994
10 PERCENT EXCEEDS	1.2		1.2	3.1
50 PERCENT EXCEEDS	0.98		0.99	0.96
90 PERCENT EXCEEDS	0.76		0.71	0.31

e Estimated

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10311090 NORTH FORK KINGS CANYON CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°09'17", long 119°48'58" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 23, T.15 N., R.19 E., Carson City County, Hydrologic Unit 16050201, on right bank, off Kings Canyon Road, 2.9 mi west of Carson Street.

DRAINAGE AREA.--1.83 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 5,530 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Periodic diversions for municipal use. [See schematic diagram of Carson River Basin, Upper Carson River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 140 ft³/s, January 2, 1997, gage height, 3.96 ft; no flow at times, most years, due to gate regulation.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2.2 ft³/s, February 16, gage height, 2.00 ft; minimum daily discharge, 0.09 ft³/s, April 16.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.33	0.59	0.24	0.37	0.40	0.21	0.17	0.56	0.22	0.16	0.39	0.16
2	0.30	0.30	0.22	0.35	0.40	0.21	0.16	0.33	0.22	0.16	0.38	0.16
3	0.30	0.28	0.21	0.82	0.39	0.21	0.56	0.33	0.24	0.55	0.40	0.18
4	0.66	0.26	0.21	e0.52	0.33	0.21	0.24	0.32	0.21	0.16	0.40	0.57
5	0.40	0.32	0.26	e0.52	0.42	0.21	0.22	0.29	0.61	0.16	0.40	0.27
6	0.40	0.28	0.72	e0.52	0.40	0.59	0.21	0.27	0.33	0.15	0.40	0.27
7	0.40	0.27	0.26	e0.52	0.67	0.28	0.21	0.27	0.28	0.14	0.79	0.24
8	0.40	0.65	0.18	e0.52	0.35	0.27	0.21	0.53	0.22	0.14	0.53	0.21
9	0.33	0.29	0.21	0.53	0.29	0.30	0.21	0.24	0.28	0.13	0.53	0.20
10	0.33	0.24	0.21	0.79	0.27	0.32	0.61	0.21	0.27	0.58	0.50	0.18
11	0.72	0.21	0.19	0.53	0.27	0.29	0.33	0.21	0.27	0.18	0.46	0.56
12	0.40	0.21	0.20	0.53	0.27	0.27	0.21	0.16	0.68	0.16	0.46	0.21
13	0.40	0.21	0.58	0.49	0.27	0.62	0.21	0.16	0.30	0.16	0.46	0.21
14	0.40	0.21	0.28	0.43	0.58	0.30	0.15	0.21	0.27	0.16	0.73	0.21
15	0.40	0.59	e0.26	0.42	0.26	0.26	0.11	0.57	0.27	0.16	0.34	0.21
16	0.40	0.21	e0.24	0.41	0.81	0.24	0.09	0.33	0.27	0.16	0.27	0.21
17	0.40	0.21	0.21	0.69	0.85	0.25	0.47	0.33	0.27	0.55	0.27	0.21
18	0.72	0.21	0.21	0.41	0.27	0.27	0.16	0.33	0.27	0.21	0.25	0.57
19	0.53	0.21	0.21	0.40	0.18	0.27	0.16	0.33	0.63	0.21	0.21	0.27
20	0.53	0.21	0.55	0.42	0.19	0.61	0.17	0.33	0.33	0.19	0.21	0.24
21	0.41	0.21	0.20	0.40	0.56	0.28	0.17	0.33	0.33	0.19	0.52	0.21
22	0.27	e0.55	0.16	e0.40	0.21	0.28	0.17	0.57	0.30	0.18	0.21	0.21
23	0.27	e0.35	0.17	0.40	0.22	0.30	0.16	0.23	0.25	0.18	0.16	0.20
24	0.27	0.27	0.41	0.69	0.21	0.26	0.46	0.21	0.21	0.54	0.16	0.19
25	0.63	0.27	0.32	0.40	0.25	0.23	0.21	0.21	0.19	0.21	0.16	0.56
26	0.33	0.27	e0.32	0.40	0.27	0.21	0.20	0.18	0.56	0.21	0.16	0.24
27	0.33	0.27	e0.58	0.40	0.21	0.58	0.23	0.17	0.19	0.21	0.16	0.21
28	0.33	0.27	e0.40	0.40	0.56	0.26	0.22	0.33	0.17	0.21	0.51	0.21
29	0.33	0.60	e0.40	0.40	0.21	0.42	0.18	0.60	0.16	0.20	0.27	0.19
30	0.33	0.27	0.40	0.40	---	0.46	0.17	0.26	0.16	0.16	0.25	0.16
31	0.33	---	0.38	0.69	---	0.19	---	0.21	---	0.59	0.20	---
TOTAL	12.58	9.29	9.39	15.17	10.57	9.66	7.03	9.61	8.96	7.35	11.14	7.72
MEAN	0.41	0.31	0.30	0.49	0.36	0.31	0.23	0.31	0.30	0.24	0.36	0.26
MAX	0.72	0.65	0.72	0.82	0.85	0.62	0.61	0.60	0.68	0.59	0.79	0.57
MIN	0.27	0.21	0.16	0.35	0.18	0.19	0.09	0.16	0.16	0.13	0.16	0.16
AC-FT	25	18	19	30	21	19	14	19	18	15	22	15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	0.85	0.47	0.38	0.55	0.37	0.41	0.44	0.59	0.66	0.74	0.82	0.84
MAX	1.92	0.82	0.55	3.09	0.53	0.80	1.02	1.09	1.99	2.12	1.68	1.82
(WY)	(1999)	(1999)	(1992)	(1997)	(1992)	(1995)	(1989)	(1989)	(1997)	(1997)	(1997)	(1997)
MIN	0.38	0.25	0.20	0.15	0.16	0.18	0.23	0.23	0.30	0.24	0.22	0.24
(WY)	(1993)	(1995)	(1993)	(1995)	(1993)	(1993)	(2004)	(2003)	(2004)	(2004)	(1994)	(1991)

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10311090 NORTH FORK KINGS CANYON CREEK NEAR CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	119.05		118.47			
ANNUAL MEAN	0.33		0.32		0.59	
HIGHEST ANNUAL MEAN					1.25 1997	
LOWEST ANNUAL MEAN					0.32 2004	
HIGHEST DAILY MEAN	0.78	Aug 2	0.85	Feb 17	34	Jan 2, 1997
LOWEST DAILY MEAN	0.12	May 11	0.09	Apr 16	0.00	Feb 25, 1990
ANNUAL SEVEN-DAY MINIMUM	0.19	May 7	0.19	Apr 14	0.00	Dec 24, 1997
MAXIMUM PEAK FLOW			2.2	Feb 16	140	Jan 2, 1997
MAXIMUM PEAK STAGE			2.00	Feb 16	3.96	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	236		235		426	
10 PERCENT EXCEEDS	0.56		0.57		1.3	
50 PERCENT EXCEEDS	0.28		0.27		0.40	
90 PERCENT EXCEEDS	0.20		0.17		0.17	

e Estimated

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN
10311100 KINGS CANYON CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°09'14", long 119°48'25" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 23, T.15 N., R.19 E., Carson City County, Hydrologic Unit 16050201, on right bank, off Kings Canyon Road, 2.5 mi west of Carson Street.

DRAINAGE AREA.--4.06 mi².

PERIOD OF RECORD.--June 1976 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,180 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversion for municipal use above station. [See schematic diagram of Carson River Basin, Upper Carson River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 276 ft³/s, January 2, 1997, gage height, 5.42 ft; maximum gage height, 5.44 ft, February 19, 1986; minimum daily, 0.02 ft³/s, August 1, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2.2 ft³/s, February 16, gage height, 3.99 ft; minimum daily discharge, 0.16 ft³/s, July 9, September 8, 9.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.24	0.82	0.73	0.63	0.47	0.61	0.37	0.46	0.23	e0.20	0.26	0.20
2	0.24	0.62	0.72	0.63	0.49	0.59	0.53	0.43	0.22	e0.20	0.27	0.20
3	0.26	0.63	0.71	0.75	0.47	0.57	0.41	0.35	0.21	e0.45	0.26	0.19
4	0.49	0.63	0.71	0.71	0.44	0.58	0.39	0.31	0.21	e0.20	0.25	0.32
5	0.26	0.63	0.74	0.65	0.44	0.59	0.35	0.30	0.31	e0.20	0.21	0.19
6	0.28	0.62	1.1	0.69	0.45	0.75	0.40	0.28	0.22	e0.19	0.27	0.18
7	0.27	0.62	0.86	0.72	0.59	0.57	0.44	0.41	e0.20	e0.18	0.69	0.17
8	0.25	0.82	0.72	0.71	0.43	0.56	0.44	0.27	e0.19	e0.17	0.38	0.16
9	0.24	0.67	0.74	0.67	0.42	0.57	0.59	0.30	e0.28	e0.16	0.39	0.16
10	0.27	0.59	0.76	0.80	0.41	0.56	0.52	0.27	e0.28	e0.44	0.37	0.18
11	0.52	0.56	0.73	0.65	0.41	0.54	0.50	0.34	e0.28	e0.22	0.33	0.34
12	0.41	0.56	0.73	0.64	0.41	0.53	0.50	0.33	e0.54	e0.19	0.30	0.20
13	0.41	0.57	1.0	0.61	0.40	0.69	0.45	0.31	e0.32	e0.19	0.32	0.19
14	0.39	0.57	0.83	0.57	0.57	0.51	0.41	0.32	e0.31	e0.19	0.65	0.20
15	0.39	0.79	0.75	0.54	0.51	0.48	0.42	0.51	e0.31	e0.19	0.39	0.19
16	0.38	0.63	0.74	0.54	1.1	0.47	0.58	0.39	e0.31	e0.19	0.39	0.19
17	0.39	0.64	0.73	0.69	1.1	0.49	0.48	0.36	e0.31	e0.41	0.30	0.18
18	0.55	0.61	0.73	0.54	0.77	0.49	0.48	0.34	e0.31	e0.25	0.31	0.33
19	0.39	0.62	0.74	0.54	0.59	0.63	0.48	0.35	e0.50	e0.25	0.27	0.22
20	0.39	0.64	0.98	0.54	0.57	0.48	0.49	0.34	e0.36	e0.23	0.27	0.22
21	0.37	0.67	0.80	0.52	0.73	0.49	0.49	0.35	e0.36	e0.23	0.59	0.21
22	0.36	0.82	0.76	0.51	0.58	0.46	0.47	0.48	e0.31	e0.22	0.33	0.21
23	0.36	0.76	0.75	0.49	0.55	0.43	0.60	0.36	e0.27	0.24	0.23	0.19
24	0.38	0.75	0.93	0.66	0.54	0.44	0.49	0.36	e0.25	0.39	0.19	0.17
25	0.59	0.73	0.69	0.48	0.78	0.44	0.47	0.35	e0.23	0.23	0.20	0.32
26	0.43	0.73	0.61	0.46	0.69	0.56	0.47	0.36	e0.44	0.22	0.20	0.23
27	0.42	0.72	0.64	0.48	0.60	0.40	0.46	0.35	e0.23	0.22	0.21	0.21
28	0.39	0.75	0.50	0.46	0.73	0.48	0.45	0.38	e0.21	0.21	0.49	0.20
29	0.41	0.96	0.65	0.46	0.59	0.55	0.44	0.39	e0.20	0.24	0.24	0.21
30	0.52	0.73	0.63	0.47	---	0.39	0.56	0.26	e0.20	0.25	0.22	0.21
31	0.61	---	0.62	0.61	---	0.38	---	0.24	---	0.46	0.20	---
TOTAL	11.86	20.46	23.33	18.42	16.83	16.28	14.13	10.85	8.60	7.61	9.98	6.37
MEAN	0.38	0.68	0.75	0.59	0.58	0.53	0.47	0.35	0.29	0.25	0.32	0.21
MAX	0.61	0.96	1.1	0.80	1.1	0.75	0.60	0.51	0.54	0.46	0.69	0.34
MIN	0.24	0.56	0.50	0.46	0.40	0.38	0.35	0.24	0.19	0.16	0.19	0.16
AC-FT	24	41	46	37	33	32	28	22	17	15	20	13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

MEAN	1.31	1.16	1.09	1.32	1.55	1.52	1.30	1.12	1.47	1.43	1.34	1.22
MAX	5.69	5.41	5.13	7.96	6.86	4.41	4.33	4.53	8.29	8.01	7.04	4.97
(WY)	(1984)	(1984)	(1984)	(1997)	(1986)	(1983)	(1982)	(1983)	(1983)	(1983)	(1983)	(1983)
MIN	0.13	0.16	0.17	0.19	0.30	0.37	0.28	0.24	0.22	0.09	0.07	0.15
(WY)	(1993)	(1993)	(1994)	(1993)	(1993)	(1992)	(1993)	(1992)	(1992)	(1994)	(1994)	(1992)

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN
10311100 KINGS CANYON CREEK NEAR CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL TOTAL	202.40		164.72			
ANNUAL MEAN	0.55		0.45		1.33	
HIGHEST ANNUAL MEAN					4.58	
LOWEST ANNUAL MEAN					0.35	
HIGHEST DAILY MEAN	1.1	Dec 6	1.1	Dec 6	66	Jan 2, 1997
LOWEST DAILY MEAN	0.20	Aug 7	0.16	Jul 9	0.02	Aug 1, 1994
ANNUAL SEVEN-DAY MINIMUM	0.25	Sep 23	0.19	Sep 4	0.05	Oct 17, 1992
MAXIMUM PEAK FLOW			2.2	Feb 16	276	Jan 2, 1997
MAXIMUM PEAK STAGE			3.99	Feb 16	5.44	Feb 19, 1986
ANNUAL RUNOFF (AC-FT)	401		327		961	
10 PERCENT EXCEEDS	0.75		0.73		3.1	
50 PERCENT EXCEEDS	0.57		0.44		0.81	
90 PERCENT EXCEEDS	0.29		0.20		0.27	

e Estimated

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN
10311200 ASH CANYON CREEK NEAR CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL TOTAL	964.5		858.2		3.47	
ANNUAL MEAN	2.64		2.34		7.77	
HIGHEST ANNUAL MEAN					1.26	
LOWEST ANNUAL MEAN					1983	
HIGHEST DAILY MEAN	7.5	May 24	5.2	Apr 28	70	Jan 2, 1997
LOWEST DAILY MEAN	1.4	Aug 25	1.1	Sep 22	0.47	Aug 19, 1992
ANNUAL SEVEN-DAY MINIMUM	1.5	Aug 25	1.1	Sep 21	0.49	Jul 29, 1992
MAXIMUM PEAK FLOW			10	Feb 16	330	Jan 2, 1997
MAXIMUM PEAK STAGE			3.86	Feb 16	4.95	Jan 2, 1997
INSTANTANEOUS LOW FLOW			1.0	Sep 1		
ANNUAL RUNOFF (AC-FT)	1,910		1,700		2,510	
10 PERCENT EXCEEDS	4.0		3.9		6.5	
50 PERCENT EXCEEDS	2.4		2.0		2.6	
90 PERCENT EXCEEDS	1.6		1.3		1.3	

e Estimated

CARSON RIVER BASIN, MIDDLE CARSON RIVER BASIN

10311300 EAGLE VALLEY CREEK AT CARSON CITY, NV

LOCATION (REVISED)--Lat 39°09'54.99", long 119°43'20.01" referenced to North American Datum of 1983, in SE ¼ NW ¼ sec. 15, T.15 N., R.20 E., Carson City County, Hydrologic Unit 16050202, on right bank, 1,100 ft downstream from North Edmonds Drive, and 1.1 mi south of intersection with U.S. Highway 50.

DRAINAGE AREA--34.4 mi².

PERIOD OF RECORD--January 1985 to current year.

GAGE--Water-stage recorder. Elevation of gage is 4,620 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS--Records fair except for estimated daily discharges and period August 11 to September 30, which are poor. Flows prior to September 1986 included effluent discharge from Carson City Water Treatment Plant. See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 1,110 ft³/s, February 19, 1986, gage height, 8.85 ft; maximum gage height, 9.32 ft, January 2, 1997; no flow at times, some years.

EXTREMES FOR CURRENT YEAR--Maximum discharge, 68 ft³/s, February 25, gage height, 6.06 ft; minimum daily discharge, 0.00 ft³/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.03	0.23	0.63	2.4	0.77	0.62	0.37	0.26	0.33	0.08	0.01	e0.10
2	0.03	0.24	0.64	2.2	1.1	2.5	0.37	0.25	0.36	0.12	0.00	e0.11
3	0.03	0.27	0.64	1.0	1.7	0.69	0.37	0.27	0.34	0.12	0.00	0.08
4	0.03	0.30	0.63	0.94	0.90	0.53	0.37	0.26	0.32	0.07	0.00	0.09
5	0.06	0.27	0.69	1.0	0.83	0.48	0.36	0.24	0.30	0.04	0.03	0.11
6	0.06	0.27	0.68	0.97	0.89	0.45	0.35	0.25	0.33	e0.03	0.01	0.05
7	0.06	0.31	4.0	1.0	1.4	0.42	0.35	0.27	0.29	e0.03	0.01	0.03
8	0.05	0.33	0.91	1.1	0.95	0.40	0.37	0.25	0.32	e0.03	0.00	0.06
9	0.05	3.9	0.80	0.99	0.74	0.42	0.36	0.24	0.38	e0.03	0.00	0.07
10	0.04	0.63	2.2	0.97	0.68	0.44	0.42	0.23	0.38	e0.03	0.00	0.04
11	0.04	0.47	1.4	0.96	0.68	0.43	0.43	1.5	0.40	e0.03	0.00	0.07
12	0.04	0.45	0.98	0.94	0.66	0.42	0.35	0.65	0.41	e0.03	0.00	0.07
13	0.05	0.50	0.87	0.99	0.69	0.45	0.34	0.54	0.31	e0.03	0.00	0.08
14	0.07	0.49	10	1.0	0.73	0.40	e0.34	e0.20	0.34	e0.03	0.07	0.05
15	0.08	0.53	2.3	1.0	0.75	0.38	e0.34	e0.20	0.32	e0.03	0.59	0.13
16	0.06	0.56	0.87	0.94	0.81	0.39	e0.34	e0.20	0.29	e0.03	0.80	0.09
17	0.06	0.50	0.80	0.94	0.89	0.39	e0.34	e0.20	0.29	e0.03	0.00	0.06
18	0.10	0.53	0.74	0.95	3.2	0.44	e0.34	e0.20	0.26	e0.03	0.00	0.04
19	0.14	0.53	0.72	0.94	0.89	0.46	e0.34	e0.20	0.16	e0.03	0.00	0.03
20	0.15	0.54	0.61	5.3	0.63	0.43	e0.34	e0.20	0.11	e0.03	0.11	0.03
21	0.10	0.53	1.5	2.7	0.71	0.39	e0.34	e0.20	0.10	e0.03	0.13	0.03
22	0.07	0.54	0.80	0.84	0.74	0.40	0.35	e0.20	0.11	e0.03	0.16	0.03
23	0.06	0.53	0.76	0.74	0.78	0.42	0.34	e0.20	0.17	e0.03	0.16	0.03
24	0.05	0.56	6.2	0.77	0.85	0.41	0.32	e0.20	1.3	e0.03	e0.10	0.04
25	0.07	0.58	5.3	0.79	15	0.41	0.30	0.43	0.27	e0.03	0.15	0.06
26	0.11	0.57	1.3	0.74	12	0.81	0.29	0.45	0.12	e0.03	0.06	0.07
27	0.14	0.58	0.91	0.80	1.8	0.37	0.29	0.40	0.08	0.03	e0.10	0.08
28	0.15	0.59	0.80	0.77	0.56	0.34	0.28	1.1	0.09	e0.03	e0.10	0.08
29	0.18	0.62	4.1	0.74	0.49	0.34	0.28	0.60	0.10	e0.03	e0.10	0.10
30	0.14	0.63	7.2	0.75	---	0.34	0.27	0.43	0.10	0.03	e0.10	0.09
31	0.17	---	2.1	0.76	---	0.37	---	0.35	---	0.02	e0.10	---
TOTAL	2.47	17.58	62.08	36.93	52.82	15.74	10.25	11.17	8.68	1.20	2.89	2.00
MEAN	0.08	0.59	2.00	1.19	1.82	0.51	0.34	0.36	0.29	0.04	0.09	0.07
MAX	0.18	3.9	10	5.3	15	2.5	0.43	1.5	1.3	0.12	0.80	0.13
MIN	0.03	0.23	0.61	0.74	0.49	0.34	0.27	0.20	0.08	0.02	0.00	0.03
AC-FT	4.9	35	123	73	105	31	20	22	17	2.4	5.7	4.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	1.32	2.27	3.99	8.36	9.76	5.91	2.29	1.73	1.74	0.64	0.55	1.02
MAX	11.8	7.98	25.4	81.9	91.9	24.5	11.5	9.20	9.67	5.52	3.84	5.52
(WY)	(1987)	(1987)	(1997)	(1997)	(1986)	(1986)	(1986)	(1986)	(1986)	(1986)	(1986)	(1987)
MIN	0.04	0.24	0.25	0.25	0.42	0.35	0.15	0.17	0.05	0.02	0.01	0.00
(WY)	(2003)	(1991)	(1995)	(1994)	(1991)	(1988)	(1994)	(1992)	(2002)	(1988)	(1988)	(2002)

CARSON RIVER BASIN, MIDDLE CARSON RIVER BASIN
 10311300 EAGLE VALLEY CREEK AT CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	266.36		223.81			
ANNUAL MEAN	0.73		0.61		3.16	
HIGHEST ANNUAL MEAN					15.7	1986
LOWEST ANNUAL MEAN					0.42	1991
HIGHEST DAILY MEAN	24	Apr 13	15	Feb 25	775	Jan 2, 1997
LOWEST DAILY MEAN	0.01	Jul 2	0.00	Aug 2	0.00	Jul 1, 1988
ANNUAL SEVEN-DAY MINIMUM	0.01	Jul 2	0.00	Aug 7	0.00	Jul 1, 1988
MAXIMUM PEAK FLOW			68	Feb 25	1,110	Feb 19, 1986
MAXIMUM PEAK STAGE			6.06	Feb 25	9.32	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	528		444		2,290	
10 PERCENT EXCEEDS	1.0		0.98		7.1	
50 PERCENT EXCEEDS	0.49		0.34		0.43	
90 PERCENT EXCEEDS	0.01		0.03		0.06	

e Estimated

CARSON RIVER BASIN, MIDDLE CARSON RIVER BASIN

10311400 CARSON RIVER AT DEER RUN ROAD NEAR CARSON CITY, NV

LOCATION (REVISED)--Lat 39°10'52.96", long 119°41'41.53" referenced to North American Datum of 1983, in SW ¼ NW ¼ sec. 12, T.15 N., R.20 E., Carson City County, Hydrologic Unit 16050202, on left bank, 0.1 mi downstream from Deer Run Road and on Brunswick Road, 4 mi east of Carson City, and at mi 63.26 upstream from Lahontan Dam.

DRAINAGE AREA.--958 mi².

PERIOD OF RECORD.--April 1979 to September 1985, August 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,600 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for August and September, which are poor. Many diversions above station for irrigation. Flow slightly regulated by several small reservoirs on tributaries. See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 24,000 ft³/s, January 3, 1997, gage height 24.23 ft; no flow at times, some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December, 1955 is believed to have been approximately 30,000 ft³/s, based on slope-area measurement made at gaging station 5 mi upstream.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 6	1745	*1,170	*7.18				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	40	76	150	142	242	589	574	454	31	0.08	0.00
2	10	43	77	149	140	257	634	604	427	25	0.00	0.00
3	9.8	45	75	135	152	262	536	761	417	20	0.00	0.00
4	11	45	76	130	150	241	533	874	402	18	0.00	0.00
5	13	47	78	133	147	229	650	974	419	15	0.00	0.00
6	15	50	85	147	142	225	648	1,090	407	15	0.00	0.00
7	14	51	144	150	143	237	632	992	430	15	0.00	0.00
8	14	51	182	153	151	259	604	874	426	13	0.00	0.00
9	16	60	127	154	138	290	632	831	362	12	0.00	0.00
10	17	67	107	150	139	338	607	777	299	9.2	0.00	0.00
11	17	65	111	149	143	393	631	705	271	10	0.17	0.00
12	17	56	103	147	148	419	637	627	210	9.1	0.16	0.00
13	17	57	95	147	151	437	639	547	189	10	0.00	0.00
14	21	55	120	146	152	452	637	484	214	9.0	0.01	0.00
15	20	60	120	147	159	501	570	485	219	8.6	0.10	0.00
16	24	62	97	151	161	518	536	498	169	6.8	0.76	0.00
17	25	63	93	150	194	518	470	540	102	6.8	0.04	0.00
18	27	61	104	152	274	525	456	525	101	5.4	0.00	0.00
19	30	63	107	150	290	566	420	464	83	3.9	0.00	0.00
20	30	61	108	156	243	671	356	421	80	3.4	0.00	0.00
21	30	59	112	158	224	710	326	406	83	2.2	0.00	0.00
22	30	60	116	149	217	798	320	383	88	1.8	0.00	0.00
23	27	60	114	141	215	828	320	367	80	1.7	0.00	0.00
24	29	59	124	149	208	835	299	352	82	1.4	0.00	0.00
25	26	58	194	160	226	815	327	311	70	1.0	0.00	0.00
26	27	66	212	151	455	730	398	300	50	0.69	0.00	0.00
27	25	66	168	147	404	630	472	262	44	0.50	e0.00	e0.00
28	28	65	139	151	284	561	611	301	44	0.31	0.00	e0.00
29	30	69	120	146	253	522	715	699	39	0.14	0.00	e0.00
30	34	74	161	146	---	518	658	556	37	0.10	0.00	e0.00
31	34	---	158	143	---	555	---	468	---	0.12	0.00	---
TOTAL	676.9	1,738	3,703	4,587	5,845	15,082	15,863	18,052	6,298	256.16	1.32	0.00
MEAN	21.8	57.9	119	148	202	487	529	582	210	8.26	0.04	0.00
MAX	34	74	212	160	455	835	715	1,090	454	31	0.76	0.00
MIN	9.1	40	75	130	138	225	299	262	37	0.10	0.00	0.00
AC-FT	1,340	3,450	7,340	9,100	11,590	29,920	31,460	35,810	12,490	508	2.6	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

MEAN	118	229	284	463	426	502	652	1,261	1,056	361	77.2	52.9
MAX	534	1,086	987	3,106	1,134	1,147	1,407	2,273	4,319	1,770	669	259
(WY)	(1983)	(1984)	(1984)	(1997)	(1982)	(1995)	(1982)	(1983)	(1983)	(1995)	(1983)	(1983)
MIN	1.15	44.6	57.7	83.4	64.8	146	168	144	23.5	3.75	0.04	0.00
(WY)	(2002)	(1991)	(1991)	(1991)	(1991)	(1992)	(1994)	(1992)	(1992)	(1994)	(2004)	(2001)

CARSON RIVER BASIN, MIDDLE CARSON RIVER BASIN

10311400 CARSON RIVER AT DEER RUN ROAD NEAR CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1979 - 2004	
ANNUAL TOTAL	97,959.1		72,102.38			
ANNUAL MEAN	268		197		460	
HIGHEST ANNUAL MEAN					1,178	1983
LOWEST ANNUAL MEAN					90.7	1992
HIGHEST DAILY MEAN	2,650	May 31	1,090	May 6	22,600	Jan 3, 1997
LOWEST DAILY MEAN	3.3	Aug 30	0.00	Aug 2	0.00	Aug 20, 1994
ANNUAL SEVEN-DAY MINIMUM	4.1	Aug 28	0.00	Aug 2	0.00	Aug 31, 1994
MAXIMUM PEAK FLOW			1,170	May 6	24,000	Jan 3, 1997
MAXIMUM PEAK STAGE			7.18	May 6	24.23	Jan 3, 1997
ANNUAL RUNOFF (AC-FT)	194,300		143,000		333,300	
10 PERCENT EXCEEDS	570		571		1,210	
50 PERCENT EXCEEDS	161		113		200	
90 PERCENT EXCEEDS	9.7		0.00		9.6	

e Estimated

CARSON RIVER BASIN, MIDDLE CARSON RIVER BASIN

10311700 CARSON RIVER AT DAYTON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1994 - 2004	
ANNUAL TOTAL	96,704.6		68,730.44			
ANNUAL MEAN	265		188		556	
HIGHEST ANNUAL MEAN					866	
LOWEST ANNUAL MEAN					188	
HIGHEST DAILY MEAN	2,830	May 31	1,130	May 6	23,000	Jan 3, 1997
LOWEST DAILY MEAN	1.5	Aug 16	0.00	Sep 10	0.00	Sep 10, 2004
ANNUAL SEVEN-DAY MINIMUM	2.1	Sep 19	0.00	Sep 10	0.00	Sep 10, 2004
MAXIMUM PEAK FLOW			1,230	May 6	23,100	Jan 3, 1997
MAXIMUM PEAK STAGE			16.63	May 6	18.04	May 30, 2003
ANNUAL RUNOFF (AC-FT)	191,800		136,300		402,900	
10 PERCENT EXCEEDS	528		518		1,500	
50 PERCENT EXCEEDS	150		130		216	
90 PERCENT EXCEEDS	3.5		0.49		8.6	

e Estimated

CARSON RIVER BASIN, MIDDLE CARSON RIVER BASIN

10312000 CARSON RIVER NEAR FORT CHURCHILL, NV

LOCATION.--Lat 39°17'30", long 119°18'40" referenced to North American Datum of 1983, in NE ¼ SE ¼ sec. 35, T.17 N., R.24 E., Lyon County, Hydrologic Unit 16050202, on left bank, 400 ft downstream from Buckland Ditch, 2.0 mi west of Fort Churchill, 4.5 mi upstream of Weeks Bridge, and at mi 30.82 upstream from Lahontan Reservoir.

DRAINAGE AREA.--1,302 mi² (Area at site when gage located at Weeks Bridge, 1,450 mi²).

PERIOD OF RECORD.--April 1911 to current year.

REVISED RECORDS.--WSP 1514: 1917; WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,180 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to April 25, 1924, non recording gage at site 12.3 mi upstream at different datum. April 25, 1924 to December 31, 1933, water-stage recorder at site 12.5 mi upstream at different datum. January 1, 1934 to January 3, 1997 at various sites 4.5 mi upstream at different datums. Gage destroyed in January 1997 flood and relocated to Weeks Bridge February 1, 1997, at new datum. Relocated upstream 4.5 mi to previous site and datum, December 14, 1999.

REMARKS.--Records good except for estimated daily discharges, which are poor. See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,300 ft³/s, January 3, 1997, gage height, 15.27 ft; no flow at times, some years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 7	0600	*1,170	*5.42				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	14	83	e180	130	274	446	487	449	12	2.1	1.5
2	1.9	18	81	e170	131	273	523	428	422	11	2.0	1.5
3	2.4	23	82	e175	132	275	482	513	401	10	2.0	1.4
4	2.7	26	80	e160	144	268	411	697	365	8.9	1.9	1.4
5	2.7	31	81	e135	140	246	442	820	358	e8.2	1.8	1.2
6	2.1	37	86	117	136	226	566	1,030	365	e7.6	1.7	1.2
7	2.5	43	92	126	131	215	540	1,060	376	e7.1	1.7	1.1
8	2.4	48	166	146	131	222	505	910	402	e6.6	1.9	1.1
9	2.1	51	197	154	137	237	468	821	381	5.6	2.1	0.99
10	2.0	58	156	153	125	265	497	768	337	5.3	2.0	1.00
11	2.0	68	138	152	125	324	494	710	285	5.2	1.9	0.94
12	2.3	73	139	149	128	381	477	639	241	5.0	1.9	0.82
13	2.6	68	131	146	133	397	498	535	194	4.9	2.1	0.80
14	3.0	72	123	143	138	413	503	472	177	4.8	2.5	1.0
15	3.0	75	147	141	139	432	481	435	189	4.7	3.4	0.87
16	2.7	78	143	140	147	488	416	431	183	4.6	4.0	0.92
17	2.8	77	119	142	151	508	394	450	140	4.6	3.3	0.90
18	2.6	80	114	139	197	495	352	471	95	4.0	2.4	0.94
19	2.3	77	123	139	255	481	333	432	85	3.5	2.2	1.2
20	2.3	77	129	143	265	579	286	375	85	3.3	2.5	1.3
21	2.5	76	127	147	241	649	254	357	71	e3.1	2.4	1.5
22	4.1	74	129	146	232	721	237	330	61	e2.8	2.4	1.5
23	4.1	73	133	140	229	796	223	331	47	2.6	2.4	1.4
24	4.3	72	e134	133	224	820	216	314	43	2.5	2.4	1.3
25	4.3	67	e140	135	220	855	205	277	37	2.4	2.0	1.3
26	4.8	66	e200	147	261	778	216	235	27	2.7	1.9	1.2
27	5.4	73	e200	140	495	656	253	223	21	2.6	2.0	1.1
28	5.1	76	e200	135	368	526	317	199	16	2.8	1.8	1.1
29	5.9	74	145	140	296	461	468	370	15	2.5	1.7	1.2
30	6.3	78	e140	134	---	404	550	630	15	2.3	1.6	1.2
31	8.5	---	e160	132	---	425	---	496	---	2.1	1.5	---
TOTAL	104.4	1,823	4,118	4,479	5,581	14,090	12,053	16,246	5,883	155.3	67.5	34.88
MEAN	3.37	60.8	133	144	192	455	402	524	196	5.01	2.18	1.16
MAX	8.5	80	200	180	495	855	566	1,060	449	12	4.0	1.5
MIN	1.9	14	80	117	125	215	205	199	15	2.1	1.5	0.80
AC-FT	207	3,620	8,170	8,880	11,070	27,950	23,910	32,220	11,670	308	134	69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2004, BY WATER YEAR (WY)

MEAN	60.3	170	264	336	386	410	560	1,092	953	246	33.0	16.7
MAX	481	1,653	2,540	3,001	2,378	1,674	1,475	2,923	4,141	1,600	613	238
(WY)	(1983)	(1951)	(1951)	(1997)	(1986)	(1995)	(1916)	(1969)	(1983)	(1995)	(1983)	(1983)
MIN	0.00	0.54	44.4	72.4	65.1	36.6	7.41	38.6	4.80	0.00	0.00	0.00
(WY)	(1925)	(1960)	(1960)	(1961)	(1991)	(1961)	(1977)	(1977)	(1992)	(1924)	(1924)	(1923)

CARSON RIVER BASIN, MIDDLE CARSON RIVER BASIN
10312000 CARSON RIVER NEAR FORT CHURCHILL, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1911 - 2004	
ANNUAL TOTAL	98,208.7		64,635.08		373	
ANNUAL MEAN	269		177		1,111	
HIGHEST ANNUAL MEAN					36.3	
LOWEST ANNUAL MEAN					1983	
HIGHEST DAILY MEAN	2,740	May 31	1,060	May 7	20,000	Jan 3, 1997
LOWEST DAILY MEAN	1.9	Oct 2	0.80	Sep 13	0.00	Aug 27, 1923
ANNUAL SEVEN-DAY MINIMUM	2.2	Oct 6	0.89	Sep 11	0.00	Aug 27, 1923
MAXIMUM PEAK FLOW			1,170	May 7	22,300	Jan 3, 1997
MAXIMUM PEAK STAGE			5.42	May 7	15.27	Jan 3, 1997
ANNUAL RUNOFF (AC-FT)	194,800		128,200		270,200	
10 PERCENT EXCEEDS	541		484		1,020	
50 PERCENT EXCEEDS	140		128		169	
90 PERCENT EXCEEDS	3.1		1.8		0.10	

e Estimated

CARSON RIVER BASIN, MIDDLE CARSON RIVER BASIN

10312100 LAHONTAN RESERVOIR NEAR FALLON, NV

LOCATION.--Lat 39°27'45", long 119°04'00" referenced to North American Datum of 1927, in SW ¼ SE ¼ sec. 33, T.19 N., R.26 E., Churchill County, Hydrologic Unit 16050202, in outlet control house on upstream side of Lahontan Dam on Carson River, 18 mi west of Fallon.

DRAINAGE AREA.--1,799 mi². (not including inflow from Truckee Canal).

PERIOD OF RECORD.--January 1917 to current year. Monthly contents only for January 1917 to September 1960, published in WSP 1734.

REVISED RECORDS.--WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder since December 1999 and float tape with surface contact detector. Prior to 1956, float tape. Datum of gage is above National Geodetic Vertical Datum of 1929. Prior to 1966, at datum 3.73 ft lower (Bureau of Reclamation datum).

REMARKS.--Reservoir is formed by earth and gravel-fill dam, constructed by U.S. Bureau of Reclamation. Storage began sometime between the completion of the dam in June 1915 and the beginning of the period of record, January 1917. Capacity, 295,500 acre-ft between elevations, 4,060.0 ft., invert of outlet conduit, and 4,162.0 ft., spillway crest; includes 91 acre-ft of dead storage below elevation, 4,070 ft Surface area at spillway elevation, 13,470 acres. Water is used for irrigation of 87,500 acres in Newland Project. Figures given herein represent total contents and are computed from 0800 hour readings, based on capacity table dated March 9, 1989. Reservoir stores water from Carson River and from Truckee River via Truckee Canal at Derby Dam. Inflow is regulated by Lake Tahoe (station 10337000), Donner Lake (station 10338400), Prosser Creek (station 10340300), Stampede (station 10344300), Boca (station 10344490), other reservoirs, and Derby Dam. Extensive irrigation above reservoir in Carson and Truckee River basins. [See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed (20-inch flashboard on weir), 328,600 acre-ft, June 16, 1942, elevation, 4,164.43 ft.; minimum observed, 91 acre-ft, September 07-09, 1929, elevation, 4,070.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 234,300 acre-ft, June 3, gage height, 4,156.32 ft; minimum contents, 78,060 acre-ft, November 10, gage height, 4,130.36 ft.

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

4,095	7,960	4,120	46,150	4,145	150,800
4,100	12,760	4,125	59,780	4,150	183,600
4,105	18,840	4,130	76,650	4,155	222,800
4,110	26,120	4,135	97,990	4,160	270,700
4,115	34,990	4,140	122,800	4,165	339,900

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105,800	79,840	91,430	113,100	136,700	163,000	215,800	222,200	233,500	204,800	158,600	118,900
2	104,900	79,290	92,090	113,800	137,200	164,400	216,900	222,100	234,000	203,400	156,600	117,600
3	104,000	79,010	92,580	114,700	138,000	166,000	217,900	221,900	234,200	202,000	154,800	116,200
4	103,100	78,770	93,110	115,700	138,700	167,300	218,600	221,700	234,000	200,900	152,900	115,000
5	102,200	78,540	93,700	116,400	139,400	168,800	219,300	221,300	233,700	199,500	151,100	113,700
6	101,100	78,460	94,150	117,200	140,100	169,800	219,400	221,300	233,200	198,300	149,200	112,700
7	100,200	78,580	94,700	117,900	140,600	170,900	219,800	221,500	232,300	197,400	147,400	111,900
8	99,170	78,580	95,160	118,800	141,200	172,000	219,800	221,900	231,700	195,700	145,700	111,200
9	98,230	78,380	95,980	119,700	141,900	173,100	219,400	222,300	231,100	194,200	144,200	110,200
10	97,260	78,140	96,670	120,500	142,500	174,200	218,800	222,600	231,000	192,300	142,600	109,100
11	96,350	78,140	97,670	121,300	143,200	175,500	218,500	223,200	230,800	190,800	141,100	108,100
12	95,480	78,260	98,410	122,100	143,700	177,100	218,300	224,200	230,700	189,600	139,700	107,000
13	94,560	78,850	99,210	123,100	144,300	178,700	218,100	225,100	230,500	188,100	138,300	105,900
14	93,830	79,640	100,100	123,900	145,000	180,500	217,700	226,000	230,000	186,700	137,100	104,800
15	93,070	80,310	100,900	124,700	145,500	182,100	217,300	226,600	229,500	185,100	136,100	103,800
16	92,140	81,080	101,700	125,500	146,100	184,100	217,000	226,700	229,000	183,700	135,300	102,800
17	91,380	81,820	102,300	126,100	146,700	186,300	216,700	227,600	228,000	182,000	135,100	102,000
18	90,500	82,610	102,900	126,900	147,700	188,400	216,800	228,000	227,000	180,200	134,400	101,300
19	89,560	83,310	103,500	127,600	148,400	190,500	217,300	228,800	225,300	178,600	133,700	100,500
20	88,690	84,050	104,000	128,300	149,600	192,600	218,300	229,700	223,600	177,000	132,900	99,870
21	87,920	84,630	104,700	129,000	150,900	194,800	219,000	229,800	221,900	175,300	131,900	99,350
22	87,020	85,310	105,400	129,900	152,100	197,200	219,600	230,300	220,300	173,800	130,700	99,070
23	86,080	85,990	106,100	130,600	153,400	199,500	220,300	230,000	218,600	171,900	129,900	98,700
24	85,270	86,720	106,800	131,300	154,400	201,900	220,800	230,700	216,900	170,300	129,000	98,370
25	84,750	87,360	107,300	131,900	155,400	204,300	221,100	231,400	215,300	168,900	127,900	97,760
26	84,170	88,090	108,000	132,600	156,900	206,900	221,300	231,900	213,400	168,000	126,700	96,940
27	83,470	88,690	108,900	133,400	158,100	209,000	221,700	231,800	211,500	166,700	125,300	96,030
28	82,850	89,340	109,800	134,000	159,900	211,400	221,500	231,700	209,700	165,600	124,000	95,250
29	82,190	90,010	110,400	134,700	161,700	213,500	221,600	231,100	207,800	164,000	122,600	94,430
30	81,370	90,720	111,200	135,400	---	214,700	221,800	231,700	206,300	162,300	121,300	93,790
31	80,550	---	112,100	135,800	---	215,500	---	232,700	---	160,500	120,300	---
MAX	105,800	90,720	112,100	135,800	161,700	215,500	221,800	232,700	234,200	204,800	158,600	118,900
MIN	80,550	78,140	91,430	113,100	136,700	163,000	215,800	221,300	206,300	160,500	120,300	93,790
#	4,130.99	4,133.39	4,137.93	4,142.39	4,146.76	4,154.13	4,154.89	4,156.14	4,152.99	4,146.58	4,139.52	4,134.08
##	-26,250	+10,170	+21,380	+23,700	+25,900	+53,800	+6,300	+10,900	-26,400	-45,800	-40,200	-26,510

CAL YR 2003 MAX 24,5600 MIN 78,140 ## -2,700
WTR YR 2004 MAX 23,4200 MIN 78,140 ## -13,010

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

CARSON RIVER BASIN, CARSON DESERT

10312150 CARSON RIVER BELOW LAHONTAN RESERVOIR NEAR FALLON, NV

LOCATION.--Lat 39°27'50.17", long 119°02'46.53" referenced to North American Datum of 1983, in NE ¼ SE ¼ sec. 34, T.19 N., R.26 E., Churchill County, Hydrologic Unit 16050203, on right bank, 1.1 mi downstream from Lahontan Dam, 15 mi west of Fallon, and at mi 1.16 downstream from Lahontan Reservoir.

DRAINAGE AREA.--1801 mi², excludes inflow from Truckee Canal.

PERIOD OF RECORD.--October 1966 to current year.

REVISED RECORDS.--WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,040 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lahontan Reservoir (station 10312100), capacity 295,500 acre-ft, and other upstream regulations. One diversion, approximately 2,500 acre-ft per year, between gage and Lahontan Reservoir. See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,160 ft³/s, June 23, 1983, gage height, 8.34 ft; minimum daily, 0.24 ft³/s, October 18, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,040 ft³/s, June 22, gage height, 5.27 ft; minimum daily discharge, 0.29 ft³/s, March 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	453	451	2.6	2.9	1.8	2.6	460	670	384	837	928	681
2	447	420	2.5	2.6	2.2	2.6	505	669	531	756	924	719
3	447	401	2.5	2.6	2.2	3.3	506	708	726	711	942	734
4	477	377	2.5	2.6	2.0	2.9	503	797	747	720	947	722
5	492	348	2.6	2.5	2.2	3.9	540	880	729	682	942	640
6	497	358	3.3	2.3	2.5	3.9	656	906	732	648	908	526
7	496	356	3.7	2.5	2.5	3.7	772	899	731	807	890	505
8	470	457	3.9	2.5	2.1	3.7	849	909	765	867	785	555
9	453	495	4.1	2.5	2.0	5.1	872	907	711	864	744	583
10	453	440	3.8	2.3	2.0	4.1	805	832	529	835	722	602
11	452	342	3.8	2.2	2.2	3.7	736	713	469	722	712	608
12	421	167	3.8	2.1	3.1	3.9	723	568	437	682	698	606
13	381	10	3.8	2.2	3.0	3.8	779	523	386	682	623	605
14	380	2.3	3.8	2.1	2.6	4.1	812	520	364	742	553	637
15	381	3.5	3.1	1.9	2.3	4.4	810	542	405	785	481	651
16	381	3.2	3.2	2.0	1.5	3.1	784	489	615	808	392	649
17	407	2.9	3.1	1.9	2.0	2.4	676	435	731	868	371	644
18	425	2.7	3.1	1.5	2.0	3.6	541	449	829	877	440	613
19	425	2.4	2.7	1.5	1.9	2.8	343	458	940	860	493	583
20	425	2.0	2.9	1.4	1.8	1.2	239	495	976	862	512	575
21	443	1.7	2.7	1.4	2.1	1.2	227	516	984	846	535	548
22	450	1.4	2.6	2.1	2.4	3.6	226	515	1,030	856	496	509
23	419	1.0	2.2	2.1	2.6	2.1	251	455	1,000	810	466	492
24	327	1.6	2.3	2.1	2.4	1.5	329	324	970	680	590	490
25	278	2.2	2.4	2.2	2.2	0.89	366	399	969	569	660	519
26	341	1.9	2.2	1.9	1.6	0.72	365	523	970	515	671	525
27	361	2.7	2.6	1.6	1.2	0.37	467	565	933	585	680	489
28	360	2.6	2.5	1.5	1.5	0.29	518	546	897	668	721	422
29	353	2.2	2.4	1.8	1.7	189	601	463	855	744	711	395
30	396	3.0	2.5	1.9	---	550	622	396	835	852	626	378
31	437	---	2.6	1.9	---	504	---	386	---	922	637	---
TOTAL	12,928	4,661.3	91.8	64.6	61.6	1,322.47	16,883	18,457	22,180	23,662	20,800	17,205
MEAN	417	155	2.96	2.08	2.12	42.7	563	595	739	763	671	574
MAX	497	495	4.1	2.9	3.1	550	872	909	1,030	922	947	734
MIN	278	1.0	2.2	1.4	1.2	0.29	226	324	364	515	371	378
AC-FT	25,640	9,250	182	128	122	2,620	33,490	36,610	43,990	46,930	41,260	34,130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2004, BY WATER YEAR (WY)

MEAN	324	125	47.3	127	162	254	640	931	1,016	932	817	599
MAX	802	639	861	1,756	1,578	1,392	1,453	1,619	2,147	1,745	1,285	1,112
(WY)	(1984)	(1983)	(1984)	(1997)	(1997)	(1986)	(1986)	(1996)	(1983)	(1983)	(1983)	(1983)
MIN	0.47	0.50	0.49	0.61	0.91	1.29	195	426	514	352	0.74	0.63
(WY)	(1993)	(1993)	(1993)	(1993)	(1993)	(1992)	(1991)	(1977)	(1992)	(1992)	(1992)	(1992)

CARSON RIVER BASIN, CARSON DESERT

10312150 CARSON RIVER BELOW LAHONTAN RESERVOIR NEAR FALLON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1967 - 2004	
ANNUAL TOTAL	135,383.0		138,316.77			
ANNUAL MEAN	371		378		499	
HIGHEST ANNUAL MEAN					1,066	1983
LOWEST ANNUAL MEAN					181	1992
HIGHEST DAILY MEAN	1,030	Jul 12	1,030	Jun 22	3,160	Jun 23, 1983
LOWEST DAILY MEAN	1.0	Nov 23	0.29	Mar 28	0.24	Oct 18, 1994
ANNUAL SEVEN-DAY MINIMUM	1.7	Nov 20	1.4	Mar 22	0.28	Oct 18, 1994
MAXIMUM PEAK FLOW			1,040	Jun 22	3,160	Jun 23, 1983
MAXIMUM PEAK STAGE			5.27	Jun 22	8.34	Jun 23, 1983
ANNUAL RUNOFF (AC-FT)	268,500		274,400		361,700	
10 PERCENT EXCEEDS	783		836		1,040	
50 PERCENT EXCEEDS	425		425		480	
90 PERCENT EXCEEDS	3.1		2.0		2.2	

CARSON RIVER BASIN, CARSON DESERT

10312210 STILLWATER POINT RESERVOIR DIVERSION CANAL NEAR FALLON, NV

LOCATION.--Lat 39°28'23.89", long 118°35'55.06" referenced to North American Datum of 1983, in NE ¼ NE ¼ sec. 34, T.19 N., R.30 E., Churchill County, Hydrologic Unit 16050203, on left bank, 0.2 mi downstream from a diversion structure for Stillwater Slough, and 9.8 mi east of Fallon.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1967 to September 1981 (monthly discharge only), October 1990 to September 1992, January 1993 to current year. Prior to October 1992, published as Stillwater Diversion Canal near Fallon.

GAGE.--Water-stage recorder. Elevation of gage is 3,915 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to September 1981, gage at same site and datum on right bank.

REMARKS.--Records good except for estimated daily discharges, which are poor. See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 256 ft³/s, January 29, 1997; no flow several days many years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 100 ft³/s, October 20, gage height, 3.68 ft; minimum daily discharge, 0.79 ft³/s, March 24.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	87	4.3	e3.1	3.3	1.9	3.5	35	35	39	46	47
2	42	87	4.4	e3.1	3.5	5.7	3.4	34	39	39	47	47
3	42	83	4.5	e3.2	3.2	7.6	e6.2	33	38	37	48	49
4	45	84	4.1	3.3	3.3	4.0	e7.0	37	38	36	43	57
5	43	89	3.9	3.3	3.2	2.9	e4.6	36	39	35	40	58
6	41	66	3.5	3.2	3.1	2.1	e3.0	38	39	38	43	56
7	41	55	3.5	3.7	2.7	2.1	e3.2	39	43	39	42	62
8	41	54	3.1	3.8	2.3	2.0	3.6	38	40	37	40	65
9	40	68	2.8	3.8	2.4	1.8	3.4	41	39	35	40	60
10	40	76	3.0	3.6	2.5	1.8	3.8	54	38	36	38	58
11	39	65	3.1	3.6	2.5	1.8	6.6	54	43	36	37	57
12	39	42	3.1	3.5	2.5	1.8	8.0	45	47	36	39	54
13	39	13	3.0	3.5	2.5	1.7	6.4	41	43	43	40	61
14	37	15	2.9	3.5	2.7	1.7	6.6	43	40	53	44	62
15	38	9.8	2.7	3.5	2.8	1.5	4.8	44	40	52	44	59
16	39	7.9	2.5	3.5	2.2	1.5	7.1	49	40	51	47	60
17	38	7.0	2.3	3.6	2.1	1.4	6.4	43	36	50	45	63
18	63	6.2	2.8	3.7	1.9	1.4	6.0	37	34	47	44	64
19	85	6.2	2.8	3.6	1.6	1.1	6.3	42	40	47	46	65
20	93	5.9	3.2	3.6	1.6	1.1	11	37	44	50	43	63
21	88	5.5	3.2	3.3	1.8	3.4	6.8	39	48	51	44	60
22	82	5.0	2.8	3.3	1.9	1.3	5.2	39	46	53	45	57
23	79	4.4	2.9	3.3	1.8	0.85	4.9	38	47	53	45	64
24	74	4.3	3.1	3.7	1.8	0.79	3.9	40	49	53	46	65
25	70	4.7	3.2	3.6	1.6	1.0	4.4	37	44	50	46	56
26	75	4.9	3.3	3.4	1.8	1.5	5.7	33	37	45	45	59
27	86	4.7	2.6	3.8	2.1	2.1	4.6	33	37	46	46	62
28	87	4.7	2.3	3.7	2.2	2.3	9.8	34	35	47	47	57
29	72	4.6	2.8	3.8	2.0	2.4	33	37	33	44	46	55
30	84	4.4	3.2	3.5	---	2.1	35	41	32	45	46	53
31	85	---	3.1	3.4	---	2.3	---	37	---	44	45	---
TOTAL	1,808	974.2	98.0	108.5	68.9	66.94	224.2	1,228	1,203	1,367	1,357	1,755
MEAN	58.3	32.5	3.16	3.50	2.38	2.16	7.47	39.6	40.1	44.1	43.8	58.5
MAX	93	89	4.5	3.8	3.5	7.6	35	54	49	53	48	65
MIN	37	4.3	2.3	3.1	1.6	0.79	3.0	33	32	35	37	47
AC-FT	3,590	1,930	194	215	137	133	445	2,440	2,390	2,710	2,690	3,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	35.6	14.9	4.36	17.2	17.0	26.0	11.8	46.5	45.0	30.7	30.2	34.5
MAX	94.1	32.5	7.69	197	193	139	31.7	118	120	58.4	45.3	65.2
(WY)	(2002)	(2004)	(1991)	(1997)	(1997)	(1996)	(1996)	(1995)	(1995)	(1995)	(2003)	(2002)
MIN	1.91	1.56	0.94	0.76	1.26	0.42	1.19	5.71	5.12	6.94	1.78	0.00
(WY)	(1995)	(1995)	(1995)	(1993)	(1993)	(2003)	(1993)	(1992)	(1991)	(1991)	(1992)	(1992)

CARSON RIVER BASIN, CARSON DESERT

10312210 STILLWATER POINT RESERVOIR DIVERSION CANAL NEAR FALLON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1991 - 2004	
ANNUAL TOTAL	9,207.92		10,258.74			
ANNUAL MEAN	25.2		28.0		26.9	
HIGHEST ANNUAL MEAN					68.4	1997
LOWEST ANNUAL MEAN					4.97	1992
HIGHEST DAILY MEAN	93	Oct 20	93	Oct 20	256	Jan 29, 1997
LOWEST DAILY MEAN	0.00	Mar 10	0.79	Mar 24	0.00	Sep 1, 1992
ANNUAL SEVEN-DAY MINIMUM	0.03	Mar 9	1.4	Mar 19	0.00	Sep 1, 1992
ANNUAL RUNOFF (AC-FT)	18,260		20,350		19,510	
10 PERCENT EXCEEDS	58		60		62	
50 PERCENT EXCEEDS	14		36		11	
90 PERCENT EXCEEDS	1.3		2.2		1.6	

e Estimated

CARSON RIVER BASIN, CARSON DESERT

10312210 STILLWATER POINT RESERVOIR DIVERSION CANAL NEAR FALLON, NV—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1977 to September 1981, September 1990 to August 1992, January 1993 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: September 1990 to August 1992, January 1993 to current year.

WATER TEMPERATURE: October 1990 to August 1992, January 1993 to current year.

INSTRUMENTATION.--Water-quality monitor September 1990 to August 1992 and January to June 1993, hourly; July 1993 to January 1994, four times per hour; February to September 1994, hourly, October 1994 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 March 1994, station was incorporated into the Stillwater Environmental Monitoring Program to gage environmental changes that may occur as a result of change in management of irrigation water of the Newlands Irrigation Project. Records represent water temperature at probe within 0.5°C. Interruptions in record due to instrument malfunction.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 9,620 microsiemens, cm at 25°C, April 8, 1995; minimum recorded, 202 microsiemens, cm at 25°C, May 31, 1996.

WATER TEMPERATURE: Maximum recorded, 31.5°C, August 12, 1992; minimum recorded, freezing point, many days during winter months.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 5,600 microsiemens/cm at 25°C, March 31; minimum, 329 microsiemens/cm at 25°C, November 2.

WATER TEMPERATURE: Maximum, 29.5°C, July 22-26, 28; minimum, 0.0°C, November 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	525	501	511	472	373	396	2,010	1,890	1,960	3,120	951	2,510
2	545	515	531	472	329	388	2,020	1,960	1,980	951	840	869
3	559	518	539	428	376	395	2,030	1,960	1,990	2,000	912	1,500
4	550	526	538	428	344	379	2,010	1,970	1,990	2,310	2,000	2,190
5	550	524	534	460	346	374	2,070	2,000	2,030	2,410	2,310	2,370
6	530	505	516	526	421	462	2,190	2,050	2,110	2,410	2,360	2,390
7	532	492	510	548	366	447	2,210	2,070	2,150	2,420	2,360	2,400
8	524	474	492	546	358	423	2,350	2,170	2,250	2,460	2,420	2,440
9	498	472	486	548	368	435	2,300	2,220	2,270	2,480	2,360	2,440
10	514	487	496	473	404	438	2,260	2,130	2,210	2,400	2,360	2,380
11	530	513	521	463	419	451	2,170	2,120	2,140	2,410	2,360	2,390
12	533	520	528	704	428	544	2,450	2,150	2,260	2,390	2,350	2,380
13	532	524	528	1,130	704	1,000	2,460	2,390	2,420	2,410	2,360	2,380
14	538	524	532	962	860	903	2,500	2,380	2,440	2,440	2,390	2,410
15	537	523	530	925	781	836	2,630	2,500	2,560	2,450	2,410	2,430
16	541	523	531	1,240	925	1,100	2,620	2,520	2,580	2,450	2,410	2,440
17	534	518	526	1,400	1,240	1,340	2,560	2,460	2,520	2,490	2,430	2,450
18	554	496	526	2,140	1,400	1,750	2,470	2,340	2,400	2,540	2,490	2,510
19	518	496	505	1,620	1,300	1,480	2,580	2,430	2,510	2,550	2,500	2,530
20	519	495	503	1,620	1,520	1,560	2,680	2,570	2,630	2,550	2,510	2,530
21	498	463	477	1,680	1,620	1,650	2,760	2,630	2,710	2,550	2,480	2,520
22	466	442	451	1,720	1,570	1,660	2,660	2,540	2,620	2,600	2,530	2,570
23	463	431	445	1,810	1,720	1,740	2,580	2,520	2,560	2,620	2,540	2,590
24	471	400	424	1,870	1,780	1,810	2,570	2,420	2,500	2,640	2,600	2,610
25	426	413	418	1,870	1,710	1,790	2,810	2,440	2,540	2,640	2,570	2,610
26	448	420	431	1,890	1,820	1,850	2,830	2,470	2,570	2,670	2,600	2,630
27	439	401	414	1,900	1,820	1,860	2,710	2,530	2,650	2,630	2,580	2,600
28	414	406	410	1,920	1,860	1,890	2,780	2,680	2,740	2,600	2,560	2,580
29	439	396	419	1,950	1,880	1,910	2,770	2,710	2,750	2,630	2,550	2,590
30	468	337	399	1,970	1,920	1,950	2,990	2,720	2,870	2,560	2,480	2,510
31	476	339	405	---	---	---	2,990	2,670	2,870	2,520	2,470	2,500
MONTH	559	337	486	2,140	329	1,110	2,990	1,890	2,410	3,120	840	2,400

CARSON RIVER BASIN, CARSON DESERT

10312210 STILLWATER POINT RESERVOIR DIVERSION CANAL NEAR FALLON, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.0	19.0	20.5	10.0	8.0	9.0	5.5	2.0	3.5	4.0	1.5	2.0
2	21.5	18.5	20.0	9.0	7.0	8.0	6.0	2.5	4.0	2.5	0.5	1.5
3	20.5	17.0	19.0	9.0	7.0	8.0	6.5	3.0	4.5	3.0	0.5	2.0
4	21.0	17.5	19.0	9.0	7.0	8.0	4.5	2.5	3.5	3.0	0.5	1.5
5	20.5	18.0	19.0	9.5	7.5	8.5	6.0	3.5	4.5	3.0	0.5	1.5
6	21.0	17.5	19.0	8.5	6.5	7.5	7.5	4.5	5.5	2.5	0.5	1.5
7	21.0	17.5	19.0	8.0	6.5	7.0	7.5	5.0	6.0	4.0	1.0	2.0
8	20.5	17.0	19.0	7.5	6.0	6.5	6.5	3.0	5.0	4.0	0.5	2.0
9	20.0	16.5	18.5	8.5	7.0	7.5	4.0	2.0	3.0	3.5	1.0	2.0
10	17.0	13.5	15.0	8.5	7.0	8.0	4.5	2.0	3.0	4.5	0.5	2.0
11	15.5	11.5	13.5	8.5	6.5	7.5	4.5	2.5	3.0	4.5	0.5	2.5
12	16.5	12.0	14.0	8.0	6.0	7.0	4.0	1.5	2.5	4.5	0.5	2.5
13	15.5	12.0	13.5	9.0	6.5	7.5	5.5	2.5	4.0	5.0	1.0	2.5
14	16.0	11.0	13.5	8.0	5.5	6.5	4.5	2.0	3.0	5.0	1.0	2.5
15	15.0	11.5	13.5	7.0	5.0	6.0	4.0	1.0	2.5	5.0	1.0	2.5
16	16.0	11.5	13.5	7.5	3.5	5.5	4.0	1.0	2.5	5.0	1.0	2.5
17	16.5	12.0	14.0	9.5	5.5	7.0	3.5	1.0	2.5	5.0	1.0	2.5
18	16.0	13.0	14.5	9.0	5.0	7.0	4.0	1.0	2.0	5.0	1.0	2.5
19	16.5	14.0	15.0	9.5	5.5	7.5	3.0	1.0	2.0	5.0	1.0	3.0
20	17.0	14.0	15.5	9.5	5.5	7.5	3.5	1.0	2.5	5.5	1.5	3.0
21	17.0	14.0	15.5	7.0	4.0	6.0	4.5	1.5	3.0	5.0	1.0	2.5
22	17.0	14.0	15.5	5.5	2.0	3.5	3.5	1.0	2.0	4.5	1.0	2.5
23	16.0	14.5	15.0	4.0	0.5	2.0	3.0	1.0	2.0	4.5	0.5	2.5
24	14.5	12.5	13.5	3.5	0.5	1.5	4.0	1.5	2.5	5.5	1.5	3.0
25	13.5	11.5	12.5	3.5	0.0	1.5	3.5	2.0	2.5	4.5	1.0	2.5
26	13.5	11.0	12.5	4.0	0.5	2.0	3.0	1.0	2.0	3.5	1.0	2.0
27	14.5	11.5	13.0	3.5	0.5	1.5	3.0	0.5	1.5	3.0	1.5	2.0
28	15.5	12.0	13.5	3.5	1.0	2.5	2.5	0.5	1.5	5.0	1.0	2.5
29	15.0	12.5	14.0	4.0	2.5	3.0	3.0	1.0	2.0	6.5	1.0	3.5
30	13.0	10.0	11.0	4.0	2.5	3.5	4.5	1.5	2.5	5.5	2.0	3.5
31	10.0	8.0	9.0	---	---	---	3.5	1.5	2.0	6.0	1.5	3.5
MONTH	23.0	8.0	15.3	10.0	0.0	5.8	7.5	0.5	3.0	6.5	0.5	2.4
	FEBRUARY			MARCH			APRIL			MAY		
1	6.0	1.5	3.5	8.5	5.5	7.0	15.0	9.5	12.0	---	---	---
2	5.5	3.0	4.0	10.0	6.0	7.5	13.5	7.5	10.5	---	---	---
3	5.5	2.0	3.5	9.5	5.5	7.5	18.0	10.5	14.0	---	---	---
4	6.0	3.0	4.0	11.0	5.5	8.0	19.5	12.5	16.5	---	---	---
5	7.0	2.0	4.0	11.0	5.0	8.0	21.0	14.5	18.0	---	---	---
6	6.0	2.0	4.0	13.5	7.0	10.0	20.5	15.0	17.5	---	---	---
7	5.5	2.5	3.5	14.0	6.5	10.5	19.5	13.5	16.5	---	---	---
8	6.0	1.5	4.0	14.5	7.5	11.0	20.5	14.0	17.0	---	---	---
9	6.0	2.0	4.0	15.5	8.0	12.0	19.0	13.0	16.0	---	---	---
10	6.0	1.5	4.0	15.0	9.5	12.5	19.0	11.5	15.5	---	---	---
11	6.5	1.5	4.0	15.5	8.0	12.0	19.5	11.0	15.5	---	---	---
12	---	---	---	14.5	8.0	11.5	19.0	12.5	16.0	---	---	---
13	---	---	---	16.5	8.0	12.0	17.5	13.0	15.0	---	---	---
14	---	---	---	17.0	9.0	13.0	18.0	11.5	14.0	---	---	---
15	---	---	---	16.5	10.0	13.5	14.5	10.5	13.0	---	---	---
16	---	---	---	17.0	9.0	13.0	14.5	9.5	12.5	---	---	---
17	---	---	---	17.5	9.5	13.5	15.0	10.5	12.5	---	---	---
18	---	---	---	17.0	10.5	14.0	17.0	9.5	13.0	---	---	---
19	---	---	---	18.0	11.0	14.5	17.0	11.5	14.0	---	---	---
20	---	---	---	17.5	11.5	14.5	14.5	12.0	13.5	---	---	---
21	---	---	---	18.5	12.0	14.5	16.5	10.5	13.0	---	---	---
22	---	---	---	19.0	12.0	15.0	16.5	9.5	12.5	---	---	---
23	---	---	---	21.0	12.5	16.0	19.0	10.0	14.0	---	---	---
24	---	---	---	19.5	12.5	15.0	20.0	11.5	15.5	---	---	---
25	---	---	---	16.0	11.0	13.0	21.0	12.5	16.5	---	---	---
26	10.0	4.0	7.0	15.5	8.0	11.0	21.5	13.5	17.5	---	---	---
27	8.0	5.5	7.0	16.5	8.0	12.0	---	---	---	---	---	---
28	8.0	4.5	6.0	16.0	9.5	12.5	---	---	---	---	---	---
29	11.0	4.0	7.5	17.0	10.0	13.0	---	---	---	---	---	---
30	---	---	---	17.0	11.0	13.5	---	---	---	---	---	---
31	---	---	---	19.5	11.0	14.5	---	---	---	---	---	---
MONTH	11.0	1.5	4.7	21.0	5.0	12.1	21.5	7.5	14.7	---	---	---

CARSON RIVER BASIN, CARSON DESERT
1031221902 S-LINE DIVERSION CANAL NEAR STILLWATER, NV

LOCATION.--Lat 39°32'01", long 118°31'06" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 08, T.19 N., R.31 E., Churchill County, Hydrologic Unit 16050203, on left bank, off Hunter Road, 250 ft above confluence with West Canal, 1.5 mi north of U.S.F.W.S. Stillwater Headquarters, and 2 mi northeast of Stillwater.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1991 to September 1992, March 1993 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 3,880 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Annual mean listed below in summary statistics, represents average discharge for water year 1992. See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 51 ft³/s, September 27, 2002, gage height, 4.89 ft; no flow at times, most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 43 ft³/s, July 27, gage height, 4.72 ft; minimum daily discharge, 0.00 ft³/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	---	---	---	---	---	0.00	0.00	0.04	19	13	0.58
2	21	---	---	---	---	---	0.00	0.00	0.03	33	23	0.39
3	20	---	---	---	---	---	0.00	0.00	0.04	20	24	0.47
4	17	---	---	---	---	---	0.00	0.00	0.03	16	17	10
5	19	---	---	---	---	0.00	0.00	0.00	0.05	19	17	21
6	19	---	---	---	---	0.00	0.00	0.00	0.04	20	9.7	15
7	20	---	---	---	---	0.00	0.00	0.01	0.16	15	24	6.5
8	18	---	---	---	---	0.00	0.00	0.15	0.18	18	22	16
9	16	---	---	---	---	0.00	0.00	0.05	0.49	10	27	11
10	13	---	---	---	---	0.00	0.00	0.05	0.06	12	24	14
11	20	---	---	---	---	0.00	0.00	0.07	0.09	7.1	28	9.5
12	22	---	---	---	---	0.00	0.00	0.04	0.06	19	24	14
13	21	---	---	---	---	0.00	0.01	0.06	0.04	18	26	11
14	19	---	---	---	---	0.00	0.00	0.08	0.06	21	22	19
15	18	---	---	---	---	0.00	0.42	0.05	0.05	20	17	19
16	18	---	---	---	---	0.00	0.24	0.04	4.7	26	16	18
17	14	---	---	---	---	0.00	0.00	0.03	18	20	19	20
18	17	---	---	---	---	0.00	0.00	0.03	19	27	17	22
19	13	---	---	---	---	0.00	0.00	0.07	16	26	20	22
20	19	---	---	---	---	0.00	0.00	0.05	16	19	12	26
21	22	---	---	---	---	0.00	0.00	0.07	14	9.8	0.79	29
22	9.1	---	---	---	---	0.00	0.00	0.09	9.2	21	0.50	24
23	3.4	---	---	---	---	0.00	0.00	0.12	19	26	0.35	e16
24	1.0	---	---	---	---	0.00	0.00	0.10	16	26	0.57	e17
25	0.43	---	---	---	---	0.00	0.00	0.11	25	24	0.62	e18
26	0.52	---	---	---	---	0.00	0.00	0.10	14	24	0.78	e19
27	0.56	---	---	---	---	0.00	0.00	0.09	20	22	0.98	e20
28	0.44	---	---	---	---	0.00	0.00	0.11	21	19	0.87	e21
29	0.29	---	---	---	---	0.00	0.00	0.11	21	13	0.72	e18
30	11	---	---	---	---	0.00	0.00	0.04	21	15	0.74	e21
31	21	---	---	---	---	0.00	---	0.08	---	11	0.66	---
TOTAL	431.74	---	---	---	---	---	0.67	1.80	255.32	595.9	409.28	478.44
MEAN	13.9	---	---	---	---	---	0.02	0.06	8.51	19.2	13.2	15.9
MAX	22	---	---	---	---	---	0.42	0.15	25	33	28	29
MIN	0.29	---	---	---	---	---	0.00	0.00	0.03	7.1	0.35	0.39
AC-FT	856	---	---	---	---	---	1.3	3.6	506	1,180	812	949

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	20.4	0.00	0.00	0.00	0.00	3.70	3.92	8.61	9.11	11.6	13.3	18.7
MAX	29.0	0.00	0.00	0.00	0.00	25.1	11.1	21.5	20.4	19.2	21.1	29.8
(WY)	(1999)	(1992)	(1992)	(1992)	(1992)	(1996)	(1998)	(1995)	(1995)	(2004)	(1998)	(1996)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.45	0.12	0.23	0.00
(WY)	(1995)	(1992)	(1992)	(1992)	(1992)	(1992)	(2004)	(2004)	(2002)	(2002)	(1992)	(1992)

SUMMARY STATISTICS

WATER YEARS 1991 - 2004

ANNUAL MEAN	2.82
HIGHEST ANNUAL MEAN	2.82
LOWEST ANNUAL MEAN	2.82
HIGHEST DAILY MEAN	41
LOWEST DAILY MEAN	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00
ANNUAL RUNOFF (AC-FT)	2,040
10 PERCENT EXCEEDS	15
50 PERCENT EXCEEDS	0.00
90 PERCENT EXCEEDS	0.00

e Estimated

CARSON RIVER BASIN, CARSON DESERT

1031221902 S-LINE DIVERSION CANAL NEAR STILLWATER, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.0	19.0	20.5	---	---	---	---	---	---	---	---	---
2	22.5	18.5	20.5	---	---	---	---	---	---	---	---	---
3	21.0	18.0	19.5	---	---	---	---	---	---	---	---	---
4	21.0	17.5	19.0	---	---	---	---	---	---	---	---	---
5	20.5	17.5	19.0	---	---	---	---	---	---	---	---	---
6	21.0	17.5	19.5	---	---	---	---	---	---	---	---	---
7	21.5	17.5	19.5	---	---	---	---	---	---	---	---	---
8	21.0	17.5	19.0	---	---	---	---	---	---	---	---	---
9	21.0	17.0	18.5	---	---	---	---	---	---	---	---	---
10	18.5	15.0	16.5	---	---	---	---	---	---	---	---	---
11	15.5	12.5	14.0	---	---	---	---	---	---	---	---	---
12	16.0	12.0	14.0	---	---	---	---	---	---	---	---	---
13	15.0	12.0	13.5	---	---	---	---	---	---	---	---	---
14	15.5	12.0	13.5	---	---	---	---	---	---	---	---	---
15	15.0	12.0	13.0	---	---	---	---	---	---	---	---	---
16	15.5	12.0	13.5	---	---	---	---	---	---	---	---	---
17	16.5	12.5	14.0	---	---	---	---	---	---	---	---	---
18	15.5	13.0	14.0	---	---	---	---	---	---	---	---	---
19	16.5	13.0	14.5	---	---	---	---	---	---	---	---	---
20	17.5	13.5	15.0	---	---	---	---	---	---	---	---	---
21	16.5	14.0	15.0	---	---	---	---	---	---	---	---	---
22	17.0	13.5	15.0	---	---	---	---	---	---	---	---	---
23	16.5	13.5	15.0	---	---	---	---	---	---	---	---	---
24	15.0	12.0	13.5	---	---	---	---	---	---	---	---	---
25	13.5	11.5	12.5	---	---	---	---	---	---	---	---	---
26	13.0	10.5	12.0	---	---	---	---	---	---	---	---	---
27	13.5	10.5	12.0	---	---	---	---	---	---	---	---	---
28	14.0	11.5	12.5	---	---	---	---	---	---	---	---	---
29	13.5	11.5	12.5	---	---	---	---	---	---	---	---	---
30	12.5	10.5	11.5	---	---	---	---	---	---	---	---	---
31	11.0	8.0	9.5	---	---	---	---	---	---	---	---	---
MONTH	23.0	8.0	15.2	---	---	---	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	22.5	17.0	19.0
9	---	---	---	---	---	---	---	---	---	20.5	16.0	18.0
10	---	---	---	---	---	---	---	---	---	21.0	16.5	19.0
11	---	---	---	---	---	---	---	---	---	19.5	15.0	17.5
12	---	---	---	---	---	---	---	---	---	16.0	13.5	14.5
13	---	---	---	---	---	---	---	---	---	15.5	12.0	13.5
14	---	---	---	---	---	---	18.0	13.5	15.5	17.0	13.0	15.0
15	---	---	---	---	---	---	---	---	---	19.0	15.0	16.5
16	---	---	---	---	---	---	14.5	11.0	12.5	20.0	17.0	18.0
17	---	---	---	---	---	---	---	---	---	15.5	10.0	12.5
18	---	---	---	---	---	---	---	---	---	20.0	16.5	18.5
19	---	---	---	---	---	---	---	---	---	21.0	17.0	18.5
20	---	---	---	---	---	---	---	---	---	20.5	17.0	18.5
21	---	---	---	---	---	---	---	---	---	21.0	16.5	18.5
22	---	---	---	---	---	---	---	---	---	21.0	17.0	18.5
23	---	---	---	---	---	---	---	---	---	20.0	16.5	17.5
24	---	---	---	---	---	---	---	---	---	20.0	16.0	17.5
25	---	---	---	---	---	---	---	---	---	20.0	15.5	17.5
26	---	---	---	---	---	---	---	---	---	20.5	16.5	18.0
27	---	---	---	---	---	---	---	---	---	21.0	18.5	19.5
28	---	---	---	---	---	---	---	---	---	20.0	17.5	18.5
29	---	---	---	---	---	---	---	---	---	21.5	16.5	18.5
30	---	---	---	---	---	---	---	---	---	20.0	15.5	17.5
31	---	---	---	---	---	---	---	---	---	22.0	18.0	19.5
MONTH	---	---	---	---	---	---	18.0	10.0	13.5	22.5	12.0	17.8

CARSON RIVER BASIN, CARSON DESERT
10312275 CARSON RIVER AT TARZYN ROAD NEAR FALLON, NV

LOCATION.--Lat 39°33'32", long 118°43'30" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 33, T.19 N., R.29 E., Churchill County, Hydrologic Unit 16050203, on right bank, 7 mi north-northeast of Fallon.

DRAINAGE AREA.-- Not determined.

PERIOD OF RECORD.--October 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,900 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 1, 1996, at same site at datum 3.0 ft lower.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow affected by irrigation development above station (Newlands Project) and by storage in Lahontan Reservoir (station 10312100). See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 942 ft³/s, May 27, 1996, gage height, 6.11 ft, (datum then in use); maximum gage height, 8.73 ft, January 22, 1997; no flow at times, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 82 ft³/s, August 14, gage height, 5.24 ft; minimum daily discharge, 2.4 ft³/s, February 20.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.0	e4.0	11	8.1	3.1	2.8	7.2	10	7.5	17	12	14
2	e8.0	e4.5	11	7.5	3.1	3.2	7.1	21	6.3	13	13	14
3	e9.5	e4.5	11	7.3	3.1	3.1	8.3	14	7.6	11	25	14
4	e11	4.7	10	7.7	3.0	3.0	7.3	12	7.1	16	16	9.7
5	e9.0	4.7	10	6.8	3.0	2.8	6.2	13	6.2	11	13	7.9
6	e7.5	4.3	9.8	4.6	2.8	2.8	11	13	6.2	14	36	14
7	e8.0	28	9.1	5.0	2.8	2.8	17	5.6	7.8	8.9	16	21
8	e10	18	9.0	4.6	2.7	2.8	16	4.9	14	7.1	15	12
9	e9.0	10	8.9	4.4	2.6	2.9	9.6	7.1	23	11	15	6.9
10	e10	14	9.1	4.3	2.6	4.2	21	6.4	23	9.2	11	5.7
11	e9.7	18	9.2	4.2	2.6	5.9	14	5.8	16	11	8.2	5.1
12	e8.8	14	9.0	4.0	2.5	5.3	15	7.0	7.3	31	8.9	7.7
13	e8.4	9.9	8.9	3.9	2.6	4.8	12	11	7.4	13	14	10
14	e12	5.9	11	3.9	2.5	4.7	14	4.2	10	16	66	9.5
15	e9.0	5.7	12	3.8	2.6	4.5	9.7	5.7	17	10	49	8.7
16	e6.0	6.4	11	3.8	2.5	4.5	15	10	12	11	27	8.5
17	e5.5	9.7	11	3.8	2.6	4.6	17	7.6	9.5	11	15	10
18	e5.8	11	12	3.7	2.5	6.2	11	5.2	9.8	11	13	5.8
19	e6.0	9.5	12	3.6	2.5	7.7	9.8	4.8	7.7	7.5	12	7.7
20	e5.5	14	13	3.6	2.4	7.5	11	5.4	8.0	12	5.6	6.4
21	e5.0	19	12	3.5	2.5	7.2	5.9	7.2	6.6	14	7.7	10
22	e5.0	13	12	3.5	2.6	6.4	8.3	7.5	7.7	25	9.1	12
23	e5.5	13	11	3.5	2.5	6.4	6.9	4.0	8.6	36	11	7.2
24	e6.5	13	12	3.6	2.5	6.4	11	4.1	9.4	16	8.4	8.0
25	e5.0	13	12	3.4	2.7	6.4	12	5.4	35	20	9.6	5.8
26	e4.0	13	12	3.5	2.9	6.4	14	13	32	7.3	8.4	7.2
27	e4.0	12	11	3.4	2.8	6.4	7.5	19	33	5.9	12	15
28	e5.5	12	10	3.3	2.7	6.4	4.0	17	38	7.4	23	7.2
29	e7.0	12	12	3.3	2.7	6.5	14	12	15	9.1	17	9.9
30	e5.0	11	8.9	3.3	---	6.5	8.6	7.3	14	8.2	18	10
31	e4.0	---	8.2	3.2	---	6.5	---	11	---	9.9	12	---
TOTAL	222.2	331.8	329.1	136.1	78.0	157.6	331.4	281.2	412.7	410.5	526.9	290.9
MEAN	7.17	11.1	10.6	4.39	2.69	5.08	11.0	9.07	13.8	13.2	17.0	9.70
MAX	12	28	13	8.1	3.1	7.7	21	21	38	36	66	21
MIN	4.0	4.0	8.2	3.2	2.4	2.8	4.0	4.0	6.2	5.9	5.6	5.1
AC-FT	441	658	653	270	155	313	657	558	819	814	1,050	577

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	8.93	6.20	4.52	38.9	48.6	69.4	29.1	99.5	105	33.8	14.8	11.2
MAX	19.1	13.7	12.3	660	727	582	428	441	624	319	27.8	19.3
(WY)	(1987)	(1987)	(1994)	(1997)	(1997)	(1986)	(1986)	(1996)	(1995)	(1995)	(2002)	(1999)
MIN	0.02	0.03	0.63	1.05	0.92	1.20	2.36	4.35	4.72	5.89	0.93	0.04
(WY)	(1993)	(1993)	(1993)	(1992)	(1992)	(2001)	(1991)	(1992)	(1992)	(1991)	(1992)	(1992)

CARSON RIVER BASIN, CARSON DESERT

10312275 CARSON RIVER AT TARZYN ROAD NEAR FALLON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	3,867.6		3,508.4			
ANNUAL MEAN	10.6		9.59		39.8	
HIGHEST ANNUAL MEAN					170	1997
LOWEST ANNUAL MEAN					2.38	1992
HIGHEST DAILY MEAN	59	Jul 14	66	Aug 14	896	May 20, 1996
LOWEST DAILY MEAN	1.6	Jan 11	2.4	Feb 20	0.00	Sep 29, 1992
ANNUAL SEVEN-DAY MINIMUM	1.6	Jan 8	2.5	Feb 18	0.01	Sep 26, 1992
MAXIMUM PEAK FLOW			82	Aug 14	942	May 27, 1996
MAXIMUM PEAK STAGE			5.24	Aug 14	8.73	Jan 22, 1997
ANNUAL RUNOFF (AC-FT)	7,670		6,960		28,860	
10 PERCENT EXCEEDS	19		16		27	
50 PERCENT EXCEEDS	9.0		8.3		6.2	
90 PERCENT EXCEEDS	3.5		3.1		1.8	

e Estimated

CARSON RIVER BASIN, CARSON DESERT

10312277 PAIUTE DRAIN BELOW TJ DRAIN NEAR STILLWATER, NV

LOCATION (REVISED)--Lat 39°36'33.53", long 118°33'15.96" referenced to North American Datum of 1983, in SW ¼ SW ¼ sec. 07, T.20 N., R.31 E., Churchill County, Hydrologic Unit 16050203, on right bank, 6 mi north of Stillwater.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1990 to September 2002, October 2002 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 3,880 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair. Flow in canal is return flow from irrigated lands and ground water inflows from Fallon Indian Reservation. [See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 198 ft³/s, June 26, 1995; no flow many days, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 54 ft³/s, August 28, gage height, 17.02 ft; minimum daily discharge, 0.65 ft³/s, October 6.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	---	---	---	---	1.1	1.7	3.0	1.6	5.7	0.66	19
2	1.7	---	---	---	---	1.7	2.2	20	2.2	1.8	6.6	10
3	0.98	---	---	---	---	1.6	0.82	20	1.5	1.7	8.1	24
4	1.2	---	---	---	---	1.3	0.81	7.6	0.99	0.99	12	32
5	0.75	---	---	---	---	1.2	2.3	5.2	1.7	0.79	3.2	3.9
6	0.65	---	---	---	---	1.1	2.6	8.0	1.9	0.72	8.9	1.4
7	0.69	---	---	---	---	0.99	2.8	14	1.5	0.70	31	1.2
8	0.73	---	---	---	---	0.94	6.3	13	2.6	2.5	26	3.3
9	0.98	---	---	---	---	0.90	9.1	5.2	2.3	5.7	26	2.9
10	0.98	---	---	---	---	1.9	5.7	15	1.8	2.0	22	5.8
11	1.1	---	---	---	---	2.1	4.1	23	1.4	3.2	18	10
12	0.99	---	---	---	---	2.1	4.7	14	2.4	4.5	18	6.9
13	0.88	---	---	---	---	1.8	4.9	6.3	1.7	1.1	19	4.7
14	0.85	---	---	---	---	1.5	4.1	6.5	2.4	0.74	16	5.6
15	0.87	---	---	---	---	1.2	8.9	11	1.9	12	20	1.7
16	0.81	---	---	---	---	0.91	11	8.8	1.1	25	13	2.1
17	0.68	---	---	---	---	0.76	4.0	2.0	0.94	22	5.3	0.97
18	4.1	---	---	---	---	0.71	3.7	5.5	0.72	18	8.4	1.4
19	10	---	---	---	---	0.74	3.9	3.2	1.0	18	39	5.6
20	7.7	---	---	---	---	0.75	3.7	2.8	2.3	12	31	8.8
21	3.9	---	---	---	---	0.76	3.3	2.0	3.6	5.6	25	15
22	1.7	---	---	---	---	0.80	8.8	2.3	5.0	4.8	31	19
23	3.4	---	---	---	---	0.80	9.3	1.1	2.6	7.3	32	9.6
24	5.2	---	---	---	---	0.82	3.8	6.7	3.5	1.4	32	11
25	5.5	---	---	---	---	0.84	4.8	8.3	4.1	1.5	36	15
26	5.5	---	---	---	---	0.88	9.1	7.5	13	2.2	36	13
27	5.2	---	---	---	---	0.88	7.4	4.1	9.6	1.4	35	5.6
28	3.7	---	---	---	---	0.87	4.4	3.6	15	0.89	43	6.9
29	3.5	---	---	---	---	0.86	3.8	9.5	7.3	0.97	34	7.9
30	6.1	---	---	---	---	0.85	4.1	5.4	5.9	1.4	36	11
31	5.7	---	---	---	---	0.88	---	2.1	---	0.73	29	---
TOTAL	87.84	---	---	---	---	34.54	146.13	246.7	103.55	167.33	701.16	265.27
MEAN	2.83	---	---	---	---	1.11	4.87	7.96	3.45	5.40	22.6	8.84
MAX	10	---	---	---	---	2.1	11	23	15	25	43	32
MIN	0.65	---	---	---	---	0.71	0.81	1.1	0.72	0.70	0.66	0.97
AC-FT	174	---	---	---	---	69	290	489	205	332	1,390	526

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	7.43	3.79	3.17	8.54	11.0	16.4	9.59	16.9	21.6	8.00	8.44	9.49
MAX	23.7	12.3	13.9	55.0	83.4	71.6	57.4	66.3	82.1	41.3	22.6	37.4
(WY)	(1997)	(1997)	(1998)	(1997)	(1997)	(1996)	(1998)	(1999)	(1995)	(1995)	(2004)	(1993)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.28	0.42	0.00	0.00
(WY)	(1993)	(1993)	(1993)	(1993)	(1993)	(1992)	(1993)	(1993)	(1992)	(1992)	(1992)	(1992)

SUMMARY STATISTICS

WATER YEARS 1991 - 2004

ANNUAL MEAN	11.1	
HIGHEST ANNUAL MEAN	28.8	1997
LOWEST ANNUAL MEAN	0.17	1992
HIGHEST DAILY MEAN	198	Jun 26, 1995
LOWEST DAILY MEAN	0.00	Dec 26, 1990
ANNUAL SEVEN-DAY MINIMUM	0.00	Dec 26, 1990
ANNUAL RUNOFF (AC-FT)	8,010	
10 PERCENT EXCEEDS	32	
50 PERCENT EXCEEDS	3.0	
90 PERCENT EXCEEDS	0.00	

CARSON RIVER BASIN, CARSON DESERT

10312277 PAIUTE DRAIN BELOW TJ DRAIN NEAR STILLWATER, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.5	16.0	18.0	---	---	---	---	---	---	---	---	---
2	20.0	15.0	17.5	---	---	---	---	---	---	---	---	---
3	19.5	14.5	17.0	---	---	---	---	---	---	---	---	---
4	19.0	14.0	16.5	---	---	---	---	---	---	---	---	---
5	19.5	13.5	17.0	---	---	---	---	---	---	---	---	---
6	20.0	13.0	16.5	---	---	---	---	---	---	---	---	---
7	20.0	14.0	17.0	---	---	---	---	---	---	---	---	---
8	19.5	12.0	16.0	---	---	---	---	---	---	---	---	---
9	18.5	12.5	15.5	---	---	---	---	---	---	---	---	---
10	15.5	10.0	13.0	---	---	---	---	---	---	---	---	---
11	14.0	9.0	11.5	---	---	---	---	---	---	---	---	---
12	15.5	10.0	12.5	---	---	---	---	---	---	---	---	---
13	13.5	8.5	11.0	---	---	---	---	---	---	---	---	---
14	14.0	8.0	10.5	---	---	---	---	---	---	---	---	---
15	12.5	8.5	10.5	---	---	---	---	---	---	---	---	---
16	14.5	8.5	11.5	---	---	---	---	---	---	---	---	---
17	15.0	8.0	11.5	---	---	---	---	---	---	---	---	---
18	13.0	9.0	11.0	---	---	---	---	---	---	---	---	---
19	14.5	10.0	12.0	---	---	---	---	---	---	---	---	---
20	15.5	10.5	13.0	---	---	---	---	---	---	---	---	---
21	14.5	10.0	12.5	---	---	---	---	---	---	---	---	---
22	14.5	9.5	12.0	---	---	---	---	---	---	---	---	---
23	13.5	9.5	11.5	---	---	---	---	---	---	---	---	---
24	12.5	8.0	10.5	---	---	---	---	---	---	---	---	---
25	11.5	7.5	9.5	---	---	---	---	---	---	---	---	---
26	12.0	7.0	9.5	---	---	---	---	---	---	---	---	---
27	12.0	7.0	9.5	---	---	---	---	---	---	---	---	---
28	13.0	8.0	10.5	---	---	---	---	---	---	---	---	---
29	12.5	9.0	10.5	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	20.5	7.0	12.9	---	---	---	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	8.0	3.5	5.5	17.0	6.5	11.0	24.5	11.0	18.0
2	---	---	---	9.0	2.0	6.0	13.5	6.0	10.0	25.0	13.0	20.0
3	---	---	---	9.5	2.0	6.5	19.0	7.5	14.5	27.5	15.5	21.5
4	---	---	---	10.5	2.5	6.5	25.5	11.0	17.5	25.0	14.5	19.5
5	---	---	---	12.5	2.5	8.5	22.5	13.0	17.5	23.5	14.5	19.0
6	---	---	---	16.0	5.5	10.0	22.0	12.0	16.5	23.5	14.5	18.5
7	---	---	---	14.5	5.0	9.5	20.5	11.5	16.0	23.5	14.0	18.5
8	---	---	---	15.0	5.5	9.5	23.0	10.5	16.5	23.5	14.0	19.0
9	---	---	---	16.5	6.0	11.5	21.5	10.0	15.5	24.5	15.0	20.0
10	---	---	---	17.5	7.0	12.0	20.0	9.5	14.5	17.5	11.5	15.0
11	---	---	---	16.0	7.0	11.5	21.5	9.5	15.5	16.0	9.5	13.0
12	---	---	---	16.0	7.0	11.0	20.5	10.0	15.5	20.5	9.5	15.5
13	---	---	---	17.5	7.5	12.5	16.5	9.0	13.0	22.5	12.0	18.0
14	---	---	---	18.5	8.5	13.5	18.0	8.5	12.5	23.5	14.5	20.0
15	---	---	---	18.5	7.5	12.5	15.0	7.0	11.0	22.5	15.5	19.0
16	---	---	---	18.5	7.0	12.5	16.5	7.0	12.0	23.5	15.5	19.5
17	---	---	---	19.0	7.0	13.0	16.0	6.5	11.5	25.0	14.5	19.0
18	---	---	---	20.5	7.5	13.0	18.5	6.5	13.0	23.0	14.5	18.5
19	---	---	---	19.0	6.5	12.5	19.0	9.0	14.0	24.5	14.5	19.5
20	---	---	---	21.5	7.0	13.5	13.5	7.5	11.0	23.5	14.5	19.0
21	---	---	---	23.0	8.0	15.0	17.5	6.5	12.0	23.0	13.5	18.0
22	---	---	---	22.5	8.5	15.0	18.5	6.5	12.5	23.0	11.0	17.0
23	---	---	---	23.5	8.0	15.0	20.5	7.5	14.5	23.5	11.0	16.5
24	---	---	---	22.0	7.0	13.5	22.5	9.5	16.0	21.0	11.5	17.5
25	---	---	---	17.0	5.5	10.5	24.5	10.5	17.5	22.5	14.5	18.0
26	---	---	---	15.5	5.5	10.0	25.0	12.0	18.5	22.5	14.5	19.5
27	---	---	---	18.5	6.0	11.5	25.0	13.0	19.0	23.0	16.0	19.0
28	---	---	---	19.0	6.0	12.0	17.0	7.5	13.0	21.0	15.0	17.5
29	---	---	---	20.5	6.5	13.5	18.5	7.5	13.5	22.0	15.0	18.5
30	---	---	---	18.5	8.0	13.0	22.0	9.0	16.5	23.5	15.0	19.5
31	---	---	---	22.0	8.0	14.0	---	---	---	25.5	16.5	21.0
MONTH	---	---	---	23.5	2.0	11.4	25.5	6.0	14.4	27.5	9.5	18.5

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN
10313400 MARYS RIVER BELOW ORANGE BRIDGE NEAR CHARLESTON, NV

LOCATION.--Lat 41°33'00", long 115°18'21" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec. 09, T.42 N., R.59 E., Elko County, Hydrologic Unit 16040101, on right bank, 5 mi below Orange Bridge, and approximately 14 mi southeast of Charleston.

DRAINAGE AREA.--72 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 5,860 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. [See schematic diagram of Humboldt River Basin.](#) The rise to the maximum peak above base flow(200 cfs) resulted in multiple days of greater than 200 cfs discharge. Since this rise and the resultant peak are the result of a single snow melt event, only one peak above base flow discharge is warranted: May 06, with a discharge of 326 cfs at a gage height of 4.05 ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 819 ft³/s, May 20, 1993, gage height, 4.57 ft; no flow some days, some years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
March 23	2200	257	3.91	May 5	2130	*323	*4.05
April 6	2030	319	3.96				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.30	1.5	3.2	1.9	3.1	18	135	130	107	15	0.40	0.20
2	0.40	1.4	1.9	1.2	5.0	12	130	148	114	12	0.39	0.12
3	0.63	1.7	1.7	1.4	6.2	10	165	181	123	16	0.31	0.09
4	1.2	1.6	1.5	2.7	3.4	9.9	180	230	131	17	0.21	0.10
5	1.2	1.5	1.7	3.9	2.6	11	190	289	133	11	0.14	0.17
6	1.2	1.8	1.7	e4.0	2.5	8.9	239	275	130	8.6	0.10	0.24
7	1.1	2.0	2.5	e4.0	3.1	10	238	262	120	6.9	0.08	0.23
8	1.3	2.9	1.2	3.9	2.4	18	239	237	108	5.8	0.08	0.21
9	1.4	2.5	1.1	3.9	1.8	34	219	211	94	5.1	0.07	0.15
10	1.1	2.1	1.4	e4.0	2.5	42	191	201	83	6.1	0.05	0.11
11	1.5	2.3	3.3	e4.0	3.4	47	171	178	75	4.4	0.03	0.10
12	1.6	1.9	2.0	e4.0	3.2	50	165	152	68	3.5	0.04	0.08
13	1.7	2.6	1.6	e4.0	4.0	55	172	132	62	2.8	0.04	0.08
14	2.2	2.9	1.2	e4.0	5.4	63	168	114	61	2.4	0.04	0.09
15	2.3	2.8	1.6	e4.0	8.2	62	148	107	61	2.0	0.05	0.14
16	2.4	3.1	2.4	e4.0	7.9	66	132	100	60	2.5	0.06	0.20
17	2.2	3.0	2.7	e4.0	6.0	78	126	101	56	2.1	0.07	0.19
18	2.0	2.1	2.0	e4.0	10	88	115	103	50	2.8	0.63	0.24
19	2.0	2.6	2.3	e5.0	2.6	105	108	106	44	3.1	1.1	1.2
20	2.0	3.6	1.2	e5.0	4.5	119	101	106	40	3.2	0.61	3.2
21	2.0	2.2	0.67	e5.0	7.3	133	98	107	38	3.2	1.3	3.6
22	2.2	0.93	0.64	e5.0	10	139	95	107	36	2.9	0.86	2.9
23	2.0	1.3	1.1	e5.0	12	158	96	108	33	2.2	0.53	2.7
24	1.9	1.8	0.65	e5.0	11	183	97	98	32	1.5	0.41	2.4
25	2.1	1.4	0.71	e5.0	13	167	100	90	30	1.5	0.44	2.2
26	2.3	1.3	0.38	e5.0	11	154	109	85	29	1.6	0.37	2.1
27	2.7	1.2	0.93	e5.0	10	122	125	90	26	1.4	0.92	1.9
28	3.5	1.7	1.1	e5.0	13	103	148	119	24	0.86	1.00	1.6
29	2.8	1.9	1.1	e5.0	12	97	143	129	20	0.70	0.71	2.3
30	2.1	3.5	2.4	4.7	---	108	131	118	18	0.63	0.46	3.1
31	1.6	---	2.1	2.5	---	127	---	108	---	0.48	0.29	---
TOTAL	54.93	63.13	49.98	125.1	187.1	2,397.8	4,474	4,522	2,006	149.27	11.79	31.94
MEAN	1.77	2.10	1.61	4.04	6.45	77.3	149	146	66.9	4.82	0.38	1.06
MAX	3.5	3.6	3.3	5.0	13	183	239	289	133	17	1.3	3.6
MIN	0.30	0.93	0.38	1.2	1.8	8.9	95	85	18	0.48	0.03	0.08
AC-FT	109	125	99	248	371	4,760	8,870	8,970	3,980	296	23	63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	3.61	6.09	6.70	9.70	14.1	53.4	114	185	107	14.9	1.32	1.47
MAX	7.65	11.0	12.7	28.6	51.3	139	229	345	233	52.1	5.66	4.62
(WY)	(1999)	(1992)	(1996)	(1997)	(1996)	(1996)	(1996)	(1993)	(1995)	(1995)	(1993)	(1998)
MIN	1.02	2.10	1.61	3.73	4.48	17.4	47.5	47.1	7.04	1.14	0.00	0.00
(WY)	(1996)	(2004)	(2004)	(1994)	(2001)	(1994)	(1994)	(1992)	(1992)	(2001)	(2001)	(1994)

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10313400 MARYS RIVER BELOW ORANGE BRIDGE NEAR CHARLESTON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	10,408.67		14,073.04			
ANNUAL MEAN	28.5		38.5		43.2	
HIGHEST ANNUAL MEAN					73.0 1996	
LOWEST ANNUAL MEAN					15.8 1992	
HIGHEST DAILY MEAN	341	May 29	289	May 5	579	May 14, 1993
LOWEST DAILY MEAN	0.00	Jul 31	0.03	Aug 11	0.00	Aug 17, 1994
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 9	0.04	Aug 10	0.00	Aug 17, 1994
MAXIMUM PEAK FLOW			323	May 5	819	May 20, 1993
MAXIMUM PEAK STAGE			4.05	May 5	4.57	May 20, 1993
ANNUAL RUNOFF (AC-FT)	20,650		27,910		31,320	
10 PERCENT EXCEEDS	81		131		152	
50 PERCENT EXCEEDS	3.8		3.4		7.5	
90 PERCENT EXCEEDS	0.00		0.38		0.46	

e Estimated

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10313400 MARYS RIVER BELOW ORANGE BRIDGE NEAR CHARLESTON, NV—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: November 1991 to current year.

INSTRUMENTATION.--Water temperature monitor since November 1991, hourly.

REMARKS.--Records represent water temperature at probe within 0.5°C.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 32.0°C, August 12, 1992; minimum, freezing point on many days during winter months of most years.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 26.5°C, July 31; minimum, 0.0°C, on several days.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.0	11.5	13.5	5.0	0.0	2.0	2.0	0.0	1.0	0.0	0.0	0.0
2	15.5	11.0	13.0	3.5	0.0	1.5	2.5	0.0	1.0	0.0	0.0	0.0
3	16.0	10.0	12.5	3.5	1.5	2.0	2.5	0.0	1.5	0.0	0.0	0.0
4	16.5	9.0	12.0	2.5	0.5	1.5	2.0	0.0	1.0	0.0	0.0	0.0
5	16.5	9.0	12.5	3.0	0.0	1.5	3.0	1.5	2.5	0.0	0.0	0.0
6	17.0	9.5	12.5	4.0	0.0	1.0	3.0	1.5	2.0	0.0	0.0	0.0
7	15.0	10.0	12.0	3.5	0.0	1.5	3.5	1.0	2.5	0.0	0.0	0.0
8	17.0	8.5	12.0	5.0	0.5	3.0	1.5	0.0	0.5	0.0	0.0	0.0
9	16.5	8.5	11.5	3.5	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
10	13.5	7.0	10.0	4.5	1.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
11	13.0	4.0	8.0	4.5	1.0	2.5	1.0	0.0	0.0	0.0	0.0	0.0
12	14.0	6.5	9.0	4.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
13	12.5	5.0	8.0	3.5	1.0	2.0	2.0	0.0	0.5	0.0	0.0	0.0
14	12.5	5.5	8.0	4.5	1.0	2.5	0.5	0.0	0.0	0.0	0.0	0.0
15	9.5	4.5	7.0	4.5	1.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
16	13.0	5.5	8.5	5.0	2.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
17	14.0	6.5	9.5	3.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
18	13.0	6.5	9.0	4.0	0.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0
19	13.5	6.5	9.0	4.5	1.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
20	14.0	6.5	9.5	5.0	2.5	3.5	0.5	0.0	0.0	0.0	0.0	0.0
21	14.0	6.0	9.5	2.5	0.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0
22	13.5	6.5	9.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	12.5	6.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	10.0	4.5	6.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	10.0	3.0	6.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	10.5	4.0	6.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	11.0	4.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	13.5	7.5	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	9.0	5.0	7.5	1.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
30	6.0	3.0	4.5	2.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
31	3.5	1.0	2.5	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
MONTH	17.0	1.0	9.2	5.0	0.0	1.6	3.5	0.0	0.4	0.0	0.0	0.0

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN
10315500 MARYS RIVER ABOVE HOT SPRINGS CREEK NEAR DEETH, NV

LOCATION.--Lat 41°15'10", long 115°15'20" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec. 24, T.39 N., R.59 E., Elko County, Hydrologic Unit 16040101, on right bank, 1 mi upstream from Hot Springs Creek, 7 mi north of Cross Ranch, and 13 mi north of Deeth.

DRAINAGE AREA.--415 mi².

PERIOD OF RECORD.--October 1943 to September 1980, October 1981 to current year. Prior to October 1950, published as "below Hot Springs Creek, near Deeth."

GAGE.--Water-stage recorder. Elevation of gage is 5,500 ft above National Geodetic Vertical Datum of 1929, from river-profile map. Prior to November 3, 1950, at site 1.2 mi downstream at different datum. November 3, 1950, to September 30, 1967, water-stage recorder at datum 1.00 ft higher. October 1, 1967, to September 8, 1982, at site 200 ft downstream at datum 0.33 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Several diversions for irrigation above station. [See schematic diagram of Humboldt River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,210 ft³/s, February 12, 1962, gage height, 7.63 ft, from rating curve extended above 1,000 ft³/s on basis of slope-area measurement of peak flow; no flow for part of each day August 27-30, September 2-5, 1967.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
March 26	0815	240	3.74	May 8	0915	240	3.74
April 9	0945	*294	*3.99				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	2.2	2.0	e5.3	e8.9	16	167	141	134	25	1.7	e1.6
2	1.7	2.7	2.1	e5.4	e9.0	e17	179	135	127	23	1.8	e1.6
3	e1.7	3.0	2.1	e5.5	e9.2	e18	171	141	126	22	1.8	e1.6
4	e1.3	2.8	2.2	e5.7	e9.3	e19	185	157	128	21	1.6	e1.6
5	1.8	2.2	2.4	e5.8	e9.5	20	204	178	134	20	1.6	e1.6
6	2.1	1.7	2.4	e6.0	e9.6	23	219	208	138	18	1.5	e1.6
7	2.3	1.9	3.4	e6.2	e9.7	23	247	230	139	16	1.5	e1.7
8	2.3	2.2	3.0	e6.5	e9.8	26	275	233	137	14	e1.5	e1.7
9	2.3	2.4	3.0	6.7	e9.9	31	284	226	130	12	e1.5	e1.7
10	2.2	1.8	3.2	6.7	e10	40	276	220	120	10	e1.5	e1.7
11	2.4	1.9	3.1	e6.9	e10	48	257	216	110	8.7	e1.5	e1.7
12	e2.0	1.9	3.0	e7.0	e10	58	234	208	101	7.8	e1.5	e1.7
13	e2.0	2.1	e3.0	e7.1	e10	63	217	188	90	6.7	e1.5	e1.7
14	2.0	2.0	e3.0	e7.2	e10	67	211	171	81	5.7	e1.5	e1.7
15	2.1	2.2	e3.0	e7.2	e10	78	207	153	76	4.7	e1.5	e1.7
16	2.1	2.2	e3.0	e7.2	11	87	196	136	72	4.1	e1.5	e1.7
17	2.1	2.3	e3.0	e7.2	11	92	197	123	69	3.8	e1.5	e1.7
18	2.1	2.3	3.0	e7.3	11	101	190	113	65	4.2	e1.6	e1.7
19	2.1	2.6	3.4	e7.5	12	112	176	112	60	4.1	e1.6	e1.7
20	2.3	2.4	4.2	e7.6	e12	131	164	113	55	3.8	e1.6	e1.7
21	2.4	2.2	5.0	e7.9	13	152	155	118	52	3.5	e1.6	e1.7
22	2.5	2.1	4.8	e8.0	e13	167	148	125	48	3.1	e1.6	e1.7
23	2.4	2.2	4.6	e8.1	e14	185	138	130	45	3.1	e1.6	e1.7
24	2.1	2.2	e4.6	e8.3	e14	195	132	130	42	2.9	e1.6	e1.7
25	2.0	2.4	e4.7	e8.4	e15	225	125	122	41	2.7	e1.6	e1.7
26	2.2	2.1	e4.8	e8.5	e15	230	120	113	39	2.7	e1.6	e1.7
27	2.4	2.0	e4.9	e8.5	e15	221	121	108	37	3.3	e1.6	e1.7
28	2.6	1.9	e5.0	e8.6	e16	193	132	116	35	2.7	e1.6	e1.6
29	2.3	2.0	e5.0	e8.7	e16	168	149	134	32	2.2	e1.6	1.6
30	1.9	1.9	5.0	e8.8	---	155	151	147	28	1.9	e1.6	1.4
31	1.7	---	e5.1	e8.9	---	156	---	143	---	1.8	e1.6	---
TOTAL	65.1	65.8	111.0	224.7	332.9	3,117	5,627	4,788	2,491	264.5	48.9	49.9
MEAN	2.10	2.19	3.58	7.25	11.5	101	188	154	83.0	8.53	1.58	1.66
MAX	2.6	3.0	5.1	8.9	16	230	284	233	139	25	1.8	1.7
MIN	1.3	1.7	2.0	5.3	8.9	16	120	108	28	1.8	1.5	1.4
AC-FT	129	131	220	446	660	6,180	11,160	9,500	4,940	525	97	99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2004, BY WATER YEAR (WY)

	5.73	11.1	14.7	19.2	35.4	75.3	170	243	153	25.6	4.22	2.75
MEAN	30.4	35.0	41.9	70.4	226	316	515	868	555	154	42.3	20.3
(WY)	(1985)	(1985)	(1984)	(1971)	(1962)	(1986)	(1952)	(1984)	(1984)	(1984)	(1984)	(1984)
MIN	0.94	2.03	2.96	5.78	7.05	16.8	40.0	43.2	3.50	1.11	0.49	0.38
(WY)	(1956)	(1993)	(2002)	(1955)	(1993)	(1977)	(1955)	(1992)	(1992)	(1961)	(1948)	(1955)

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10315500 MARYS RIVER ABOVE HOT SPRINGS CREEK NEAR DEETH, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1944 - 2004	
ANNUAL TOTAL	8,361.8		17,185.8			
ANNUAL MEAN	22.9		47.0		63.3	
HIGHEST ANNUAL MEAN					194	1984
LOWEST ANNUAL MEAN					16.1	1992
HIGHEST DAILY MEAN	240	May 31	284	Apr 9	2,690	Feb 12, 1962
LOWEST DAILY MEAN	1.1	Sep 20	1.3	Oct 4	0.20	Aug 20, 1944
ANNUAL SEVEN-DAY MINIMUM	1.3	Sep 15	1.5	Aug 6	0.20	Aug 29, 1948
MAXIMUM PEAK FLOW			294	Apr 9	4,210	Feb 12, 1962
MAXIMUM PEAK STAGE			3.99	Apr 9	7.63	Feb 12, 1962
ANNUAL RUNOFF (AC-FT)	16,590		34,090		45,840	
10 PERCENT EXCEEDS	56		167		197	
50 PERCENT EXCEEDS	8.6		6.9		17	
90 PERCENT EXCEEDS	1.7		1.6		1.6	

e Estimated

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN
10315600 MARYS RIVER BELOW TWIN BUTTES NEAR DEETH, NV

LOCATION.--Lat 41°09'16", long 115°16'13" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec. 25, T.38 N., R.59 E., Elko County, Hydrologic Unit 16040101, on right bank, 6 mi north of Deeth.

DRAINAGE AREA.--516 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 5,410 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. [See schematic diagram of Humboldt River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 592 ft³/s, March 18, 1993, gage height, 7.62 ft; no flow many days, most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 292 ft³/s, April 9, 10, gage height, 5.94 ft; minimum daily discharge, 0.00 ft³/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	5.7	e6.0	e8.0	e20	126	117	109	28	0.00	0.00
2	0.00	0.00	5.2	e6.0	e8.0	e20	137	110	102	25	0.00	0.00
3	0.00	0.00	4.8	e6.0	e8.0	e21	142	107	98	24	0.00	0.00
4	0.00	0.00	4.9	e6.0	e9.0	e21	141	113	96	23	0.00	0.00
5	0.00	0.00	4.5	e6.0	e9.0	e22	166	126	98	22	0.00	0.00
6	0.00	0.00	4.7	e6.0	e9.0	e22	196	149	100	20	0.00	0.00
7	0.00	0.00	e4.5	e6.0	e10	e23	235	190	102	18	0.00	0.00
8	0.00	0.00	e4.5	e6.0	e10	e24	272	210	101	17	0.00	0.00
9	0.00	0.00	e4.5	e6.0	e10	e30	285	213	100	16	0.00	0.00
10	0.00	0.00	e4.5	e6.0	e10	e35	283	207	94	12	0.00	0.00
11	0.00	0.00	e4.5	e7.0	e11	38	274	207	89	10	0.00	0.00
12	0.00	0.00	e4.5	e7.0	e11	52	248	194	83	7.0	0.00	0.00
13	0.00	0.00	e4.0	e7.0	e12	61	217	179	77	5.0	0.00	0.00
14	0.00	0.00	e4.0	e7.0	e12	67	196	152	69	3.9	0.00	0.00
15	0.00	0.00	e4.0	e7.0	e12	71	190	133	63	2.6	0.00	0.00
16	0.00	0.00	e4.0	e7.0	e13	78	185	117	59	1.7	0.00	0.00
17	0.00	0.00	e4.0	e7.0	e13	82	198	105	56	0.81	0.00	0.00
18	0.00	0.00	e4.0	e7.0	e14	86	181	97	54	0.19	0.00	0.00
19	0.00	0.28	e4.0	e7.0	e14	94	164	e96	52	0.08	0.00	0.00
20	0.00	0.77	e4.0	e7.0	e15	105	144	e95	49	0.05	0.00	0.00
21	0.00	1.2	e4.5	e8.0	e15	115	136	e94	47	0.04	0.00	0.00
22	0.00	1.6	e4.5	e8.0	e16	129	130	e93	45	0.02	0.00	0.00
23	0.00	0.68	e4.5	e8.0	e16	135	120	e93	43	0.01	0.00	0.00
24	0.00	1.2	e5.0	e8.0	e17	144	112	e92	41	0.00	0.00	0.00
25	0.00	2.3	e5.0	e8.0	e17	156	105	e92	39	0.00	0.00	0.00
26	0.00	2.6	e5.0	e8.0	e18	189	100	e91	38	0.00	0.00	0.00
27	0.00	2.7	e5.0	e8.0	e18	199	97	e91	36	0.00	0.00	0.00
28	0.00	3.1	e5.5	e8.0	e19	188	98	95	36	0.00	0.00	0.00
29	0.00	3.7	e5.5	e8.0	e19	152	108	e100	35	0.00	0.00	0.00
30	0.00	5.6	e5.5	e8.0	---	130	119	109	31	0.00	0.00	0.00
31	0.00	---	e6.0	e8.0	---	122	---	113	---	0.00	0.00	---
TOTAL	0.00	25.73	144.8	218.0	373.0	2,631	5,105	3,980	2,042	236.40	0.00	0.00
MEAN	0.00	0.86	4.67	7.03	12.9	84.9	170	128	68.1	7.63	0.00	0.00
MAX	0.00	5.6	6.0	8.0	19	199	285	213	109	28	0.00	0.00
MIN	0.00	0.00	4.0	6.0	8.0	20	97	91	31	0.00	0.00	0.00
AC-FT	0.00	51	287	432	740	5,220	10,130	7,890	4,050	469	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	1.03	5.23	8.45	13.2	20.8	71.8	128	188	123	17.9	0.56	0.00
MAX	5.38	18.4	22.7	39.2	36.3	171	228	342	303	67.8	2.38	0.00
(WY)	(1999)	(1999)	(1999)	(1997)	(1996)	(1993)	(1993)	(1998)	(1998)	(1998)	(1997)	(1992)
MIN	0.00	0.17	1.81	4.19	5.25	29.3	41.4	36.3	1.90	0.00	0.00	0.00
(WY)	(1992)	(2002)	(1993)	(1993)	(1993)	(2002)	(1992)	(1992)	(1992)	(2001)	(1992)	(1992)

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN
 10315600 MARYS RIVER BELOW TWIN BUTTES NEAR DEETH, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	9,868.73		14,755.93			
ANNUAL MEAN	27.0		40.3		48.1	
HIGHEST ANNUAL MEAN					85.9	
LOWEST ANNUAL MEAN					12.1	
HIGHEST DAILY MEAN	208	Jun 1	285	Apr 9	481	May 19, 1996
LOWEST DAILY MEAN	0.00	Jul 14	0.00	Oct 1	0.00	Oct 1, 1991
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 14	0.00	Oct 1	0.00	Oct 1, 1991
MAXIMUM PEAK FLOW			292	Apr 9	592	Mar 18, 1993
MAXIMUM PEAK STAGE			5.94	Apr 9	7.62	Mar 18, 1993
ANNUAL RUNOFF (AC-FT)	19,570		29,270		34,880	
10 PERCENT EXCEEDS	77		134		159	
50 PERCENT EXCEEDS	10		7.0		9.0	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN
10315600 MARYS RIVER BELOW TWIN BUTTES NEAR DEETH, NV—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1992 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June 1992 to current year.

INSTRUMENTATION.--Water temperature recorder since June 1992, hourly.

REMARKS.--Records represent water temperature at probe within 0.5°C. Interruptions in record due to periods of no flow or instrument malfunction (see Water-Discharge Records).

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 28.0°C, July 13, 1996; minimum recorded, freezing point on many days during winter months of most years.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 22.5°C, June 16; minimum, 0.0°C, on many days.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
2	---	---	---	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
3	---	---	---	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
4	---	---	---	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
5	---	---	---	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
6	---	---	---	---	---	---	1.0	0.0	0.5	0.0	0.0	0.0
7	---	---	---	---	---	---	1.5	0.5	1.0	0.0	0.0	0.0
8	---	---	---	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
9	---	---	---	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
10	---	---	---	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
11	---	---	---	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0
12	---	---	---	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
13	---	---	---	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
14	---	---	---	---	---	---	0.0	0.0	0.0	---	---	---
15	---	---	---	---	---	---	0.0	0.0	0.0	---	---	---
16	---	---	---	---	---	---	0.0	0.0	0.0	---	---	---
17	---	---	---	---	---	---	0.0	0.0	0.0	---	---	---
18	---	---	---	---	---	---	0.0	0.0	0.0	---	---	---
19	---	---	---	---	---	---	0.0	0.0	0.0	---	---	---
20	---	---	---	4.0	3.0	3.5	0.0	0.0	0.0	---	---	---
21	---	---	---	3.0	0.5	2.0	0.0	0.0	0.0	---	---	---
22	---	---	---	1.0	0.0	0.5	0.0	0.0	0.0	---	---	---
23	---	---	---	1.0	0.0	0.0	0.0	0.0	0.0	---	---	---
24	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0	---	---	---
25	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0	---	---	---
26	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
27	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	---	---	---	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	---	---	---	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
MONTH	---	---	---	4.0	0.0	0.5	1.5	0.0	0.0	0.0	0.0	0.0

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10316500 LAMOILLE CREEK NEAR LAMOILLE, NV

LOCATION.--Lat 40°41'27", long 115°28'34" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 06, T.32 N., R.58 E., Elko County, Hydrologic Unit 16040101, in Humboldt National Forest, at the mouth of Lamoille Canyon, on right bank, 100 ft upstream from McDermott ditch diversion, and 3 mi south of Lamoille.

DRAINAGE AREA.--24.9 mi².

PERIOD OF RECORD.--May 1915 to May 1923, October 1943 to current year.

REVISED RECORDS.--WDR NV-99-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,240 ft above National Geodetic Vertical Datum of 1929, from topographic map. May 1915 to May 1923, non-recording gage at various sites 350 ft downstream at different datums. October 1, 1943 to January 16, 1975, water-stage recorder at site 600 ft downstream at datum 4.28 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 838 ft³/s, June 3, 1986, gage height, 6.08 ft, maximum gage height, 6.11 ft, June 3, 1995; minimum daily, 1.5 ft³/s, January 12, 1963.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 310 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
June 6	2030	*281	*4.04				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	3.9	2.8	e3.0	e3.5	e4.5	30	64	129	73	14	6.5
2	4.2	e4.0	2.7	e3.0	e3.0	4.7	29	77	152	68	14	6.4
3	4.4	3.9	2.7	e3.0	e3.0	4.8	30	91	185	69	13	6.9
4	4.4	4.0	3.0	e3.0	e3.0	4.7	33	113	214	69	12	6.7
5	4.2	3.8	3.0	e3.0	e3.0	4.9	39	132	217	67	11	6.3
6	4.2	e4.0	3.1	e3.0	e3.0	4.7	46	151	215	64	11	6.0
7	4.2	e4.0	3.5	e3.0	e3.0	4.7	46	155	212	61	10	5.7
8	4.1	3.5	3.4	3.6	e3.0	5.2	47	157	192	58	9.5	5.5
9	4.0	3.8	e3.5	3.5	e3.0	5.8	47	153	167	52	9.0	5.3
10	4.1	3.5	3.5	3.5	e3.0	6.5	46	148	148	47	8.6	5.1
11	4.2	4.1	3.2	3.5	e3.0	6.8	45	135	125	42	8.2	5.0
12	4.2	3.7	3.3	e3.5	e3.0	7.6	47	119	113	39	7.7	4.9
13	4.2	3.4	3.2	e3.5	e3.0	8.5	51	107	116	38	7.4	4.9
14	4.2	3.3	3.6	e3.5	e3.0	9.4	52	102	127	38	7.5	4.9
15	4.2	3.2	3.6	e3.5	e3.0	9.8	47	101	135	38	7.8	5.0
16	4.4	3.3	e3.5	3.8	e3.5	10	45	102	137	35	9.4	4.8
17	4.4	3.5	e3.5	e3.5	e4.0	11	45	111	137	34	13	4.6
18	4.4	3.3	e3.5	e3.0	4.4	12	43	123	135	32	11	4.4
19	4.3	3.1	e3.5	e3.0	4.3	14	41	123	137	31	9.7	5.4
20	4.2	3.2	3.4	e3.0	e4.0	15	40	123	135	34	9.9	5.6
21	4.1	3.2	3.2	e3.0	e4.0	17	41	123	127	31	9.6	5.2
22	4.2	e3.5	3.3	e3.0	e4.0	20	39	114	119	27	8.9	5.1
23	4.2	e3.5	e3.5	e3.0	4.1	23	39	105	121	25	11	5.0
24	4.3	e3.5	3.3	e3.0	4.0	25	40	99	121	23	10	5.0
25	4.3	e3.5	e3.0	e3.0	4.1	27	42	97	116	21	8.8	4.9
26	4.2	3.3	e3.0	e3.0	4.8	28	49	97	106	21	9.0	4.9
27	4.2	3.2	e3.0	e3.5	4.2	26	61	118	101	19	9.0	4.8
28	4.2	3.2	e3.0	3.8	4.1	24	68	170	94	18	8.3	4.8
29	4.2	3.3	e3.0	3.7	e4.5	24	60	142	87	17	7.7	5.0
30	4.5	3.1	e3.0	3.8	---	25	58	125	80	15	7.5	5.3
31	4.2	---	e3.0	3.9	---	26	---	121	---	15	7.0	---
TOTAL	131.0	105.8	99.8	102.1	103.5	419.6	1,346	3,698	4,200	1,221	300.5	159.9
MEAN	4.23	3.53	3.22	3.29	3.57	13.5	44.9	119	140	39.4	9.69	5.33
MAX	4.5	4.1	3.6	3.9	4.8	28	68	170	217	73	14	6.9
MIN	3.9	3.1	2.7	3.0	3.0	4.5	29	64	80	15	7.0	4.4
AC-FT	260	210	198	203	205	832	2,670	7,330	8,330	2,420	596	317

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2004, BY WATER YEAR (WY)

	7.36	6.30	5.45	5.09	5.29	7.98	26.6	143	214	83.6	17.1	7.94
MEAN	49.1	29.4	17.5	12.9	12.4	20.0	71.4	303	396	203	65.1	42.4
(WY)	(1983)	(1983)	(1983)	(1997)	(1971)	(1989)	(1989)	(1997)	(1997)	(1975)	(1984)	(1982)
MIN	2.61	2.68	2.60	2.00	2.18	3.06	5.37	48.2	44.9	14.4	4.39	3.07
(WY)	(2002)	(2002)	(1988)	(1917)	(2001)	(1955)	(1955)	(1953)	(1992)	(2001)	(2001)	(2001)

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN
 10316500 LAMOILLE CREEK NEAR LAMOILLE, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1915 - 2004	
ANNUAL TOTAL	14,022.7		11,887.2		44.5	
ANNUAL MEAN	38.4		32.5		77.7	
HIGHEST ANNUAL MEAN					20.5	
LOWEST ANNUAL MEAN					1997	
HIGHEST DAILY MEAN	626	May 30	217	Jun 5	693	May 30, 1983
LOWEST DAILY MEAN	2.7	Dec 2	2.7	Dec 2	1.5	Jan 12, 1963
ANNUAL SEVEN-DAY MINIMUM	2.9	Nov 30	2.9	Nov 30	1.7	Feb 11, 2001
MAXIMUM PEAK FLOW			281	Jun 4	838	Jun 3, 1986
MAXIMUM PEAK STAGE			4.04	Jun 4	6.11	Jun 3, 1995
ANNUAL RUNOFF (AC-FT)	27,810		23,580		32,230	
10 PERCENT EXCEEDS	115		120		155	
50 PERCENT EXCEEDS	5.2		5.6		8.3	
90 PERCENT EXCEEDS	3.3		3.0		3.5	

e Estimated

HUMBOLDT RIVER BASIN, NORTH FORK HUMBOLDT RIVER BASIN
10317500 NORTH FORK HUMBOLDT RIVER AT DEVILS GATE NEAR HALLECK, NV

LOCATION.--Lat 41°10'43.51", long 115°29'33.27" referenced to North American Datum of 1983, in SE ¼ SE ¼ sec. 13, T.38 N., R.57 E., Elko County, Hydrologic Unit 16040102, on right bank, 0.4 mi downstream of Devils Gate, 16 mi north of Halleck, and 26 mi upstream of mouth.

DRAINAGE AREA.--830 mi².

PERIOD OF RECORD.--October 1913 to December 1921, October 1943 to September 1982, June 2002 to current year.

REVISED RECORDS.--WSP 1714: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,370 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to reestablishment in June 2002, gage at several sites and different datums within 0.1 mi upstream from present location. See WDR NV-82-1 for history of changes prior to June 2002.

REMARKS.--Records good except for estimated daily discharges, which are poor. Many diversions for irrigation of 16,600 acres above station. [See schematic diagram of Humboldt River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft³/s, February 11, 1962, gage height, 16.12 ft, datum then in use; minimum daily, 2.0 ft³/s, August 14-16, 19, 20, 22, 1948 and July 28, 29, August 17, 1959.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 65 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
March 20	1730	*365	*14.27	May 12	2245	91	13.00
April 8	0115	214	13.72	May 30	1800	106	13.12
April 18	1145	181	13.57	June 12	2300	73	12.84

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	11	17	e18	e20	31	143	56	71	18	10	9.5
2	9.0	e12	17	e17	e20	31	141	51	54	19	9.9	8.9
3	9.1	12	18	e17	e20	31	128	38	44	19	8.9	8.6
4	9.4	12	16	e16	e20	31	130	30	40	20	8.0	8.6
5	9.2	12	18	e16	e19	29	132	27	40	23	7.3	8.6
6	9.3	e12	17	e17	e18	30	146	40	41	23	6.9	8.6
7	9.7	e12	20	e18	e19	31	193	61	43	22	6.6	8.5
8	9.7	12	e17	e19	e20	33	200	73	41	20	6.0	8.4
9	9.5	13	e16	e20	e20	36	181	63	44	19	5.7	8.3
10	9.2	14	e18	e20	e19	36	164	67	50	18	5.6	8.2
11	9.2	13	e17	e20	e18	40	155	73	54	17	e5.5	8.2
12	9.5	12	e17	e20	e18	53	146	83	66	16	e5.4	8.1
13	9.6	13	20	e20	e17	75	139	88	68	15	e5.3	8.1
14	9.9	13	22	e20	e17	99	136	83	54	14	e5.1	7.9
15	10	13	e20	e20	e17	127	134	68	44	14	e4.9	7.8
16	10	13	e19	e20	e18	158	126	60	38	13	4.8	7.9
17	10	14	e19	e20	e19	195	143	54	32	14	4.8	8.0
18	10	13	e21	e20	e22	210	169	48	26	16	6.1	8.1
19	10	13	e22	e20	e24	250	150	41	24	16	8.9	12
20	10	14	23	e20	25	317	135	38	23	15	13	13
21	10	14	21	e20	26	294	119	41	21	15	14	12
22	10	e13	20	e20	22	299	124	47	19	15	14	13
23	10	e12	e19	e20	24	287	123	55	18	14	13	13
24	10	e13	20	e20	26	292	100	61	17	13	12	13
25	10	e14	20	e20	30	258	82	65	17	13	12	13
26	10	e14	e18	e21	32	236	71	59	17	13	11	12
27	11	e14	e17	e21	31	202	61	53	16	12	11	11
28	11	e14	e17	e22	31	174	56	55	17	12	11	9.9
29	11	16	e17	e24	31	154	60	71	19	11	11	10
30	12	18	e17	e23	---	145	62	99	19	11	11	11
31	12	---	e18	e21	---	145	---	91	---	11	10	---
TOTAL	308.2	395	578	610	643	4,329	3,849	1,839	1,077	491	268.7	293.2
MEAN	9.94	13.2	18.6	19.7	22.2	140	128	59.3	35.9	15.8	8.67	9.77
MAX	12	18	23	24	32	317	200	99	71	23	14	13
MIN	8.9	11	16	16	17	29	56	27	16	11	4.8	7.8
AC-FT	611	783	1,150	1,210	1,280	8,590	7,630	3,650	2,140	974	533	582

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2004, BY WATER YEAR (WY)

MEAN	12.3	17.2	20.2	37.2	65.9	134	220	192	131	29.2	9.29	8.60
MAX	21.8	31.1	58.0	241	434	513	1,046	732	390	136	36.4	24.6
(WY)	(1973)	(1971)	(1965)	(1971)	(1962)	(1972)	(1952)	(1952)	(1975)	(1975)	(1965)	(1982)
MIN	6.90	7.56	7.39	8.90	11.4	18.5	25.6	9.60	6.06	3.38	2.75	3.50
(WY)	(1949)	(1962)	(1977)	(1977)	(1955)	(1981)	(1968)	(1968)	(1966)	(1959)	(1948)	(1919)

HUMBOLDT RIVER BASIN, NORTH FORK HUMBOLDT RIVER BASIN
 10317500 NORTH FORK HUMBOLDT RIVER AT DEVILS GATE NEAR HALLECK, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1914 - 2004	
ANNUAL TOTAL	7,883.0		14,681.1			
ANNUAL MEAN	21.6		40.1		73.1	
HIGHEST ANNUAL MEAN					198	1952
LOWEST ANNUAL MEAN					13.2	1955
HIGHEST DAILY MEAN	99	May 10	317	Mar 20	3,850	Feb 12, 1962
LOWEST DAILY MEAN	2.6	Aug 16	4.8	Aug 16	2.0	Aug 14, 1948
ANNUAL SEVEN-DAY MINIMUM	2.7	Aug 14	5.1	Aug 11	2.1	Aug 14, 1948
MAXIMUM PEAK FLOW			365	Mar 20	365	Mar 20, 2004
MAXIMUM PEAK STAGE			14.27	Mar 20	14.27	Mar 20, 2004
ANNUAL RUNOFF (AC-FT)	15,640		29,120		52,950	
10 PERCENT EXCEEDS	45		126		220	
50 PERCENT EXCEEDS	17		19		20	
90 PERCENT EXCEEDS	5.3		9.1		6.5	

e Estimated

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10318500 HUMBOLDT RIVER NEAR ELKO, NV

LOCATION.--Lat 40°56'10", long 115°37'25" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec. 11, T.35 N., R.56 E., Elko County, Hydrologic Unit 16040101, on right bank, 1 mi southwest of Ryndon, 1.5 mi upstream from Jackson Creek, 5 mi downstream from confluence of North Fork Humboldt River, 10 mi northeast of Elko, and at mi 381.71 above Derby Road bridge.

DRAINAGE AREA.--2,778.8 mi².

PERIOD OF RECORD.--June 1895 to October 1902, October 1944 to current year.

REVISED RECORDS.--WSP 1714: Drainage area. WDR NV-99-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,142.32 ft above sea level. June 1895 to October 1902, nonrecording gage at site 11 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of 95,800 acres above station. No flow some years during summer months. [See schematic diagram of Humboldt River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,200 ft³/s, February 19, 1986, gage height, 7.64 ft; maximum gage height 12.30 ft, February 13, 1962; no flow at times some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,000 ft³/s, May 30, gage height, 5.92 ft; minimum daily discharge, 1.5 ft³/s, October 1, 2, 3, 7.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.7	11	e21	e28	71	290	177	462	135	7.5	4.9
2	1.5	1.7	11	e21	e30	64	300	160	373	117	6.9	4.4
3	1.5	1.8	10	e21	e31	75	297	157	335	110	6.5	4.2
4	1.7	1.8	11	e21	e31	73	283	147	320	109	5.6	4.2
5	1.6	1.7	12	e21	e31	80	287	109	313	99	5.0	4.0
6	1.6	1.7	13	e21	e31	79	295	137	353	87	4.6	3.7
7	1.5	1.9	14	e21	e31	92	347	191	406	76	4.3	3.5
8	1.6	2.0	14	e22	e31	102	417	284	414	68	4.0	3.5
9	1.6	2.4	e10	e22	30	111	433	319	413	61	3.7	3.3
10	1.6	2.3	e10	e22	e31	129	414	326	415	55	3.4	3.1
11	1.7	2.3	e11	e22	e31	148	408	323	443	48	3.1	2.9
12	1.7	2.3	13	e22	e31	150	397	416	463	43	2.9	2.7
13	1.8	2.7	15	e22	e31	161	390	449	420	38	2.7	2.6
14	1.8	2.9	14	e22	e31	189	377	466	348	33	2.6	2.5
15	1.8	3.0	9.5	e22	e31	228	362	446	269	31	2.7	2.3
16	1.9	3.4	e10	e23	31	258	340	370	232	27	2.8	2.3
17	2.0	3.9	e10	e23	33	303	358	304	218	26	3.4	2.1
18	2.0	4.1	e11	e23	35	333	389	274	210	26	3.4	2.1
19	1.8	4.6	e12	e23	40	350	396	313	205	24	3.3	3.5
20	1.8	5.2	13	e23	e43	381	373	284	197	24	3.3	4.2
21	1.8	5.4	e13	e23	e47	419	335	256	187	22	2.9	4.6
22	1.7	4.7	e14	e23	e50	413	326	287	178	19	2.7	5.6
23	1.7	4.1	e14	e23	54	427	330	375	173	16	3.5	7.6
24	1.6	3.9	e15	e23	58	425	302	494	155	15	3.5	8.4
25	1.6	4.1	e16	e24	66	430	265	481	155	14	3.6	9.4
26	1.6	4.6	16	e24	63	409	235	397	134	14	4.2	9.7
27	1.7	4.2	e17	e24	64	390	214	354	144	13	4.3	9.7
28	1.7	5.4	e18	e24	65	346	192	359	149	11	4.8	9.6
29	1.7	7.5	e19	21	70	323	170	534	145	10	5.1	10
30	1.7	10	e20	e24	---	308	181	863	153	8.9	5.3	11
31	1.7	---	e21	e26	---	294	---	584	---	7.8	5.3	---
TOTAL	52.5	107.3	417.5	697	1,179	7,561	9,703	10,636	8,382	1,387.7	126.9	151.6
MEAN	1.69	3.58	13.5	22.5	40.7	244	323	343	279	44.8	4.09	5.05
MAX	2.0	10	21	26	70	430	433	863	463	135	7.5	11
MIN	1.5	1.7	9.5	21	28	64	170	109	134	7.8	2.6	2.1
AC-FT	104	213	828	1,380	2,340	15,000	19,250	21,100	16,630	2,750	252	301

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1895 - 2004, BY WATER YEAR (WY)

MEAN	25.2	49.4	62.6	94.3	190	357	510	658	783	192	24.5	11.0
MAX	211	330	358	389	1,295	1,708	2,583	3,592	2,831	1,142	319	107
(WY)	(1983)	(1900)	(1984)	(1980)	(1986)	(1983)	(1984)	(1984)	(1984)	(1984)	(1984)	(1899)
MIN	1.02	1.32	4.30	3.65	8.54	63.6	65.3	46.1	9.60	2.35	0.50	0.63
(WY)	(1955)	(1955)	(1960)	(1960)	(1955)	(2003)	(1992)	(1959)	(1992)	(1954)	(1954)	(1955)

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10318500 HUMBOLDT RIVER NEAR ELKO, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1895 - 2004	
ANNUAL TOTAL	40,735.61		40,401.5		246	
ANNUAL MEAN	112		110		1,101	
HIGHEST ANNUAL MEAN					35.6	
LOWEST ANNUAL MEAN					1984	
HIGHEST DAILY MEAN	1,790	Jun 2	863	May 30	6,530	Mar 4, 1983
LOWEST DAILY MEAN	0.88	Aug 17	1.5	Oct 1	0.00	Aug 6, 1900
ANNUAL SEVEN-DAY MINIMUM	0.93	Aug 14	1.6	Oct 1	0.00	Aug 6, 1900
MAXIMUM PEAK FLOW			1,000	May 30	7,200	Feb 19, 1986
MAXIMUM PEAK STAGE			5.92	May 30	12.30	Feb 13, 1962
ANNUAL RUNOFF (AC-FT)	80,800		80,140		178,200	
10 PERCENT EXCEEDS	213		374		714	
50 PERCENT EXCEEDS	21		23		70	
90 PERCENT EXCEEDS	1.4		2.0		2.0	

e Estimated

HUMBOLDT RIVER BASIN, SOUTH FORK HUMBOLDT RIVER BASIN
10319900 SOUTH FORK HUMBOLDT RIVER ABOVE TENMILE CREEK NEAR ELKO, NV

LOCATION (REVISED).--Lat 40°37'38.99", long 115°43'49.88" referenced to North American Datum of 1983, in NE ¼ SW ¼ sec. 25, T.32 N., R.55 E., Elko County, Hydrologic Unit 16040103, on right bank, 5 mi above South Fork Dam, and 19.5 mi southeast of Elko.

DRAINAGE AREA.--898 mi².

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

REVISIONS.--NV-92-1:1991.

GAGE.--Water-stage recorder. Elevation of gage is 5,280 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges and periods of beaver activity October to February 20, which are poor. [See schematic diagram of Humboldt River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,710 ft³/s, June 3, 1995, gage height, 5.82 ft; minimum daily, 1.6 ft³/s, August 18-21, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 410 ft³/s, May 28, gage height, 2.35 ft; minimum daily discharge, 2.5 ft³/s, September 12, 13.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	7.7	e11	15	e20	e30	124	150	268	90	14	4.2
2	4.2	7.8	10	17	e20	e30	125	160	284	86	14	3.5
3	3.7	8.9	10	e15	e20	e30	128	183	320	87	11	4.0
4	3.4	9.7	9.5	e13	e20	32	131	225	347	89	9.9	5.2
5	3.5	10	11	12	e20	31	137	262	364	84	9.4	5.7
6	3.5	10	12	13	e20	33	152	282	365	77	8.7	5.4
7	3.2	10	13	16	e20	40	165	304	366	70	8.0	4.5
8	3.4	11	15	18	e20	45	162	322	350	66	6.8	3.3
9	3.6	12	10	18	e20	54	156	335	324	62	6.6	3.0
10	4.3	12	12	19	e20	70	152	347	334	60	6.0	2.9
11	5.0	11	15	17	e20	80	147	330	295	60	4.2	2.8
12	5.4	9.7	13	16	e20	81	147	313	270	58	3.2	2.5
13	6.0	12	17	e16	e20	88	150	284	244	52	3.0	2.5
14	6.6	11	15	e16	e20	92	143	260	233	36	3.1	3.1
15	6.3	11	12	e16	e20	96	138	244	231	33	5.0	3.2
16	6.4	11	8.4	e16	e20	97	133	233	215	31	9.2	3.1
17	6.7	11	11	e16	e21	98	143	235	206	30	11	3.2
18	6.7	10	9.9	e16	e22	102	145	245	193	35	12	3.6
19	6.9	8.5	10	e16	e24	107	136	240	184	33	11	4.0
20	6.7	8.0	15	e16	e25	109	126	244	175	34	11	3.9
21	6.8	8.2	18	e16	e26	117	129	258	167	33	8.4	4.5
22	6.5	6.3	15	e16	e27	129	137	258	155	32	7.5	3.8
23	6.5	4.8	12	e16	27	134	136	249	150	33	7.5	3.3
24	6.2	7.4	15	e16	27	138	137	239	147	31	9.7	3.1
25	6.2	9.3	17	e16	28	136	141	227	140	24	9.4	2.9
26	6.3	9.7	13	e16	31	145	145	221	132	23	9.6	2.8
27	6.3	e10	e11	e17	31	132	156	229	122	23	13	2.8
28	6.0	e10	e8.5	e18	27	119	167	335	113	22	12	2.8
29	5.7	e11	e7.0	e18	e30	115	158	349	106	19	8.0	3.5
30	6.2	e11	5.7	e19	---	114	150	304	96	18	6.0	5.2
31	6.7	---	9.6	e20	---	111	---	273	---	17	5.2	---
TOTAL	168.7	290.0	371.6	505	666	2,735	4,296	8,140	6,896	1,448	263.4	108.3
MEAN	5.44	9.67	12.0	16.3	23.0	88.2	143	263	230	46.7	8.50	3.61
MAX	6.9	12	18	20	31	145	167	349	366	90	14	5.7
MIN	3.2	4.8	5.7	12	20	30	124	150	96	17	3.0	2.5
AC-FT	335	575	737	1,000	1,320	5,420	8,520	16,150	13,680	2,870	522	215

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	11.1	17.5	16.8	27.7	46.1	91.0	143	383	434	109	14.4	7.24
MAX	34.0	44.2	31.1	73.2	148	189	266	689	1,096	453	48.0	19.3
(WY)	(1999)	(1999)	(1997)	(1997)	(1996)	(1996)	(1996)	(1998)	(1998)	(1998)	(1995)	(1998)
MIN	4.09	9.33	9.26	10.0	18.6	21.5	29.2	119	43.1	8.54	2.21	2.78
(WY)	(2002)	(2002)	(1990)	(1990)	(1994)	(1991)	(1991)	(1991)	(1992)	(1992)	(2002)	(1992)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	29,308.9		25,888.0			
ANNUAL MEAN	80.3		70.7		110	
HIGHEST ANNUAL MEAN					239	
LOWEST ANNUAL MEAN					36.1	
HIGHEST DAILY MEAN	1,480	May 31	366	Jun 7	2,010	Jun 3, 1995
LOWEST DAILY MEAN	3.2	Oct 7	2.5	Sep 12	1.6	Aug 18, 2002
ANNUAL SEVEN-DAY MINIMUM	3.5	Oct 3	2.9	Sep 9	1.7	Aug 16, 2002
MAXIMUM PEAK FLOW			410	May 28	2,710	Jun 3, 1995
MAXIMUM PEAK STAGE			2.35	May 28	5.82	Jun 3, 1995
ANNUAL RUNOFF (AC-FT)	58,130		51,350		79,330	
10 PERCENT EXCEEDS	195		234		297	
50 PERCENT EXCEEDS	17		18		25	
90 PERCENT EXCEEDS	4.8		4.2		5.8	

HUMBOLDT RIVER BASIN, SOUTH FORK HUMBOLDT RIVER BASIN
10319900 SOUTH FORK HUMBOLDT RIVER ABOVE TENMILE CREEK NEAR ELKO, NV—Continued

e Estimated

HUMBOLDT RIVER BASIN, SOUTH FORK HUMBOLDT RIVER BASIN
10320000 SOUTH FORK HUMBOLDT RIVER ABOVE DIXIE CREEK NEAR ELKO, NV

LOCATION.--Lat 40°41'06", long 115°48'45" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec. 05, T.32 N., R.55 E., Elko County, Hydrologic Unit 16040103, on left bank, 1.5 mi upstream from Dixie Creek, and 10.5 mi south of Elko.

DRAINAGE AREA.--1,150 mi².

PERIOD OF RECORD.--October 1948 to September 1982, July 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,140 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by South Fork Reservoir, approximately 2.0 mi upstream, since December, 1987. Diversions for irrigation are above the dam. Records not adjusted for storage. [See schematic diagram of Humboldt River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to dam, 3,100 ft³/s, January 12, 1979, gage height, 6.80 ft; maximum discharge after dam, 1,600 ft³/s, June 6, 1995, gage height, 5.14 ft; minimum daily prior to dam, 0.10 ft³/s, September 9, 1959; minimum daily after dam, 1.7 ft³/s, September 15, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 331 ft³/s, May 10, June 7, 8, 9, gage height, 3.51 ft; minimum daily discharge, 2.4 ft³/s, August 24.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	5.8	6.4	4.6	e3.5	7.1	134	173	260	76	24	2.8
2	6.1	5.7	6.1	e4.1	e3.5	8.0	114	173	249	70	23	2.6
3	6.1	5.7	6.1	e4.1	e3.5	15	114	176	278	59	8.7	2.6
4	5.8	5.7	6.1	e4.1	e3.5	36	113	181	304	61	e3.5	2.7
5	5.7	5.7	6.2	e4.1	e3.5	36	124	211	303	62	e3.5	2.9
6	5.4	5.7	6.4	e4.1	e3.5	38	163	248	303	63	e3.5	3.0
7	5.3	5.7	6.4	e5.1	e3.5	39	194	287	317	65	e3.5	3.0
8	5.0	5.7	6.1	6.1	e3.5	41	191	307	326	68	e3.5	2.9
9	4.7	5.7	5.7	5.8	e3.5	42	184	307	326	53	e3.5	2.8
10	4.7	5.8	5.9	6.6	e3.5	61	173	318	326	37	e3.5	2.8
11	4.7	6.0	6.0	6.6	e3.5	80	171	324	326	38	e3.5	2.5
12	4.9	6.2	5.8	5.4	e3.5	80	159	299	326	39	3.6	2.5
13	4.8	6.5	6.4	5.1	e3.5	80	150	266	326	41	3.7	2.6
14	4.0	6.4	6.1	4.6	e3.5	81	143	227	307	42	3.8	2.7
15	4.8	6.6	5.2	e4.0	e3.5	81	134	188	249	44	4.4	2.8
16	4.8	6.8	5.6	e3.5	e3.5	90	134	190	202	41	4.1	2.7
17	5.0	6.6	5.3	e3.5	e3.5	104	137	193	181	37	4.3	2.5
18	5.1	6.4	5.4	e3.5	3.6	104	136	224	180	38	4.2	2.5
19	5.5	6.4	5.5	e3.5	3.5	121	135	250	180	40	4.6	3.6
20	5.4	6.4	6.0	e3.5	3.7	137	134	228	180	41	4.4	3.8
21	5.7	6.6	5.8	e3.5	3.9	137	133	205	182	42	4.4	3.3
22	6.1	6.4	5.7	e3.5	3.9	137	131	208	167	44	4.3	2.9
23	5.9	6.1	5.9	e3.5	3.9	137	131	210	150	44	4.1	3.0
24	5.9	6.1	5.8	e3.5	4.0	137	131	209	148	43	2.4	2.9
25	5.9	6.3	6.3	e3.5	4.2	136	131	209	125	42	2.5	3.0
26	5.9	6.5	5.8	e3.5	4.6	137	132	208	102	33	2.5	3.0
27	5.8	6.3	e5.0	e3.5	5.0	137	135	205	103	23	3.1	3.0
28	5.9	6.1	e4.6	e3.5	5.7	137	156	215	102	23	3.5	3.0
29	5.8	6.3	4.1	e3.5	6.7	140	173	265	89	23	3.6	3.2
30	5.9	6.3	4.4	e3.5	---	143	173	275	77	24	3.4	3.2
31	6.1	---	5.8	e3.5	---	144	---	273	---	24	3.0	---
TOTAL	169.2	184.5	177.9	130.4	112.2	2,803.1	4,363	7,252	6,694	1,380	157.6	86.8
MEAN	5.46	6.15	5.74	4.21	3.87	90.4	145	234	223	44.5	5.08	2.89
MAX	6.5	6.8	6.4	6.6	6.7	144	194	324	326	76	24	3.8
MIN	4.0	5.7	4.1	3.5	3.5	7.1	113	173	77	23	2.4	2.5
AC-FT	336	366	353	259	223	5,560	8,650	14,380	13,280	2,740	313	172

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	12.2	13.7	18.1	25.0	42.2	98.7	138	337	427	112	23.7	11.4
MAX	26.5	39.2	47.7	102	138	244	311	661	1,068	518	103	26.8
(WY)	(1999)	(1999)	(1999)	(1997)	(1996)	(1996)	(1996)	(1998)	(1998)	(1998)	(1997)	(1997)
MIN	4.55	5.69	5.60	4.21	3.87	24.4	36.8	105	27.8	8.60	5.08	2.89
(WY)	(1991)	(2003)	(2003)	(2004)	(2004)	(1991)	(1991)	(1991)	(1992)	(1992)	(2004)	(2004)

HUMBOLDT RIVER BASIN, SOUTH FORK HUMBOLDT RIVER BASIN
10320000 SOUTH FORK HUMBOLDT RIVER ABOVE DIXIE CREEK NEAR ELKO, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	28,560.0		23,510.7			
ANNUAL MEAN	78.2		64.2		105	
HIGHEST ANNUAL MEAN					235	
LOWEST ANNUAL MEAN					36.1	
HIGHEST DAILY MEAN	914	May 31	326	Jun 8	1,500	Jun 6, 1995
LOWEST DAILY MEAN	4.0	Oct 14	2.4	Aug 24	1.7	Sep 15, 1988
ANNUAL SEVEN-DAY MINIMUM	4.7	Oct 9	2.6	Sep 11	2.6	Aug 26, 1988
MAXIMUM PEAK FLOW			331	May 10	1,600	Jun 6, 1995
MAXIMUM PEAK STAGE			3.51	May 10	5.14	Jun 6, 1995
ANNUAL RUNOFF (AC-FT)	56,650		46,630		76,180	
10 PERCENT EXCEEDS	139		208		286	
50 PERCENT EXCEEDS	6.5		6.1		24	
90 PERCENT EXCEEDS	5.4		3.5		6.3	

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1982, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	15.2	24.1	29.0	44.7	61.4	88.0	157	360	466	130	19.6	11.4
MAX	41.3	46.4	75.3	177	238	180	633	845	1,054	507	77.3	66.6
(WY)	(1977)	(1971)	(1951)	(1979)	(1962)	(1972)	(1952)	(1952)	(1975)	(1975)	(1965)	(1982)
MIN	3.83	5.82	10.2	9.00	11.0	27.5	29.9	55.7	65.2	5.75	.76	1.20
(WY)	(1955)	(1955)	(1955)	(1955)	(1955)	(1963)	(1959)	(1959)	(1966)	(1966)	(1959)	(1954)

SUMMARY STATISTICS

WATER YEARS 1949 - 1982

ANNUAL MEAN	117
HIGHEST ANNUAL MEAN	227
LOWEST ANNUAL MEAN	27.9
HIGHEST DAILY MEAN	2,400
LOWEST DAILY MEAN	.10
ANNUAL SEVEN-DAY MINIMUM	.19
MAXIMUM PEAK FLOW	3,100
MAXIMUM PEAK STAGE	6.80
ANNUAL RUNOFF (AC-FT)	84,800
10 PERCENT EXCEEDS	345
50 PERCENT EXCEEDS	37
90 PERCENT EXCEEDS	7.7

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10321000 HUMBOLDT RIVER NEAR CARLIN, NV

LOCATION.--Lat 40°43'40", long 116°00'30" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 21, T.33 N., R.53 E., Elko County, Hydrologic Unit 16040101, on right bank, 1.0 mi downstream from Tonka Creek, 5 mi upstream from Susie Creek, 5.5 mi east of Carlin, 15 mi southwest of Elko, and at mi 335.73 above Derby Road bridge.

DRAINAGE AREA.--4,310 mi².

PERIOD OF RECORD.--October 1943 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,931.91 ft above National Geodetic Vertical Datum of 1929 (levels by Nevada State Highway Department).

REMARKS.--Records fair except for estimated daily discharges, which are poor. Many diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,250 ft³/s, May 17, 1984, gage height, 10.04 ft, maximum gage height, 10.21 ft, February 14, 1962; minimum daily, 0.20 ft³/s, August 13, 1959.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of February 28, 1910, estimated to have reached 15,000 ft³/s, based on reported stage and comparison with Humboldt River at Palisade. See schematic diagram of Humboldt River Basin.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 767 ft³/s, June 1, gage height, 3.52 ft; minimum daily discharge, 5.0 ft³/s, August 17.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	11	16	27	e32	128	425	326	736	206	31	11
2	14	12	16	e27	e32	129	397	326	641	194	31	11
3	13	12	15	e27	e32	129	396	317	584	173	30	11
4	12	13	15	e27	e32	137	391	282	577	157	22	11
5	12	13	17	e27	e32	133	383	296	553	148	19	12
6	13	14	19	e27	e33	134	411	287	535	140	17	12
7	13	12	20	e28	e33	139	486	306	545	131	16	12
8	12	12	22	e28	e34	149	520	339	591	124	16	12
9	11	14	23	e28	e34	169	564	356	605	118	16	12
10	11	16	e24	e29	e35	181	555	402	610	98	13	12
11	12	15	e25	e29	e37	228	550	462	617	86	12	11
12	12	15	27	e29	e39	257	531	498	622	79	11	9.9
13	11	17	e27	e29	e41	267	500	500	625	72	11	9.8
14	12	18	e27	e29	e43	286	490	493	606	67	9.7	10
15	12	15	e27	e29	e46	312	451	461	537	64	5.2	10
16	10	15	e27	e29	e49	335	430	452	430	62	5.3	10
17	9.4	16	e27	e29	e54	371	440	431	376	63	5.0	9.8
18	7.0	15	e27	e29	e59	411	446	397	347	57	5.2	9.6
19	8.4	17	e28	e29	e67	447	454	407	331	50	7.2	15
20	9.1	14	28	e29	e74	483	468	389	319	54	15	14
21	9.7	14	e27	e30	e81	503	474	343	311	53	14	11
22	9.5	14	e27	e30	e94	536	459	345	311	44	13	9.9
23	8.3	e14	e27	e31	e105	524	439	355	277	43	12	10
24	8.5	e14	e27	e31	e117	521	426	391	266	52	13	10
25	8.7	e15	e27	e31	e121	508	402	431	256	50	12	11
26	8.9	e15	e27	e31	131	519	375	460	231	48	12	11
27	9.3	e15	e27	e31	138	499	346	469	221	45	13	12
28	9.5	e15	e27	e31	134	485	325	489	227	38	12	14
29	10	16	e27	e31	129	462	343	533	224	37	13	16
30	11	17	e27	e31	---	451	330	601	209	34	13	18
31	11	---	e27	e31	---	432	---	702	---	32	12	---
TOTAL	335.3	435	754	904	1,888	10,265	13,207	12,846	13,320	2,619	436.6	348.0
MEAN	10.8	14.5	24.3	29.2	65.1	331	440	414	444	84.5	14.1	11.6
MAX	17	18	28	31	138	536	564	702	736	206	31	18
MIN	7.0	11	15	27	32	128	325	282	209	32	5.0	9.6
AC-FT	665	863	1,500	1,790	3,740	20,360	26,200	25,480	26,420	5,190	866	690

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2004, BY WATER YEAR (WY)

MEAN	42.9	72.1	93.7	135	258	498	696	968	1,219	338	51.4	25.8
MAX	331	361	625	452	1,324	2,190	3,684	5,728	4,875	1,908	492	154
(WY)	(1983)	(1984)	(1984)	(1984)	(1986)	(1983)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)
MIN	1.80	5.48	7.11	10.0	22.3	92.1	108	78.8	41.0	6.96	0.92	0.52
(WY)	(1955)	(1955)	(1955)	(1955)	(1955)	(2003)	(1959)	(1959)	(1992)	(1966)	(1959)	(1954)

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10321000 HUMBOLDT RIVER NEAR CARLIN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1944 - 2004	
ANNUAL TOTAL	56,253.7		57,357.9		366	
ANNUAL MEAN	154		157		1,730	
HIGHEST ANNUAL MEAN					63.6	
LOWEST ANNUAL MEAN					1984	
HIGHEST DAILY MEAN	1,870	Jun 4	736	Jun 1	8,090	May 18, 1984
LOWEST DAILY MEAN	7.0	Oct 18	5.0	Aug 17	0.20	Aug 13, 1959
ANNUAL SEVEN-DAY MINIMUM	8.6	Oct 18	6.9	Aug 13	0.30	Aug 11, 1959
MAXIMUM PEAK FLOW			767	Jun 1	8,250	May 17, 1984
MAXIMUM PEAK STAGE			3.52	Jun 1	10.21	Feb 14, 1962
ANNUAL RUNOFF (AC-FT)	111,600		113,800		265,000	
10 PERCENT EXCEEDS	333		487		1,050	
50 PERCENT EXCEEDS	43		31		111	
90 PERCENT EXCEEDS	12		11		14	

e Estimated

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10321590 SUSIE CREEK AT CARLIN, NV

LOCATION.--Lat 40°43'34", long 116°04'37" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec. 24, T.33 N., R.52 E., Elko County, Hydrologic Unit 16040101, on left bank, approximately 200 ft above westbound Interstate 80 bridge, and 1 mi north of Carlin.

DRAINAGE AREA.--194 mi².

PERIOD OF RECORD.--April 1992 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,910 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 561 ft³/s, March 16, 1997, gage height, 6.56 ft; no flow many days, most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Discharge 2,470 ft³/s, February 11, 1962, computed from culvert computations and floodmarks. Flood of February - March 1910 may have been higher but discharge is unknown.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 317 ft³/s, March 19, gage height, 4.64 ft; minimum daily discharge, 0.00 ft³/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.00	e0.00	e3.0	e1.0	e1.5	e2.5	7.7	5.7	1.5	0.00	0.00	0.00
2	e0.00	e0.00	e2.0	e1.0	e1.5	e2.5	7.5	5.3	1.1	0.00	0.00	0.00
3	e0.00	e0.00	e1.0	e1.0	e1.5	e2.5	6.9	4.7	0.75	0.00	0.00	0.00
4	e0.00	e0.00	e1.0	e1.0	e1.5	e3.5	7.2	2.8	0.62	0.00	0.00	0.00
5	e0.00	e0.00	e1.0	e1.0	e1.5	e4.5	6.7	2.2	0.48	0.00	0.00	0.00
6	e0.00	0.00	e1.0	e1.0	e1.5	e5.5	8.5	2.7	0.29	0.00	0.00	0.00
7	e0.00	0.00	e1.0	e1.0	e1.5	e6.5	14	2.7	0.08	0.00	0.00	0.00
8	e0.00	0.00	e1.0	e1.0	e1.5	11	12	2.3	0.00	0.00	0.00	0.00
9	e0.00	0.00	e1.0	e1.5	e1.5	12	9.4	2.3	0.00	0.00	0.00	0.00
10	e0.00	0.26	e1.0	e1.5	e1.5	15	7.8	2.5	0.00	0.00	0.00	0.00
11	e0.00	1.8	e1.0	e1.5	e1.5	23	7.3	4.0	0.00	0.00	0.00	0.00
12	e0.00	1.9	e1.0	e1.5	e1.5	35	6.8	4.3	0.00	0.00	0.00	0.00
13	e0.00	2.0	e1.0	e1.5	e1.5	41	6.4	4.0	0.00	0.00	0.00	0.00
14	e0.00	0.94	e1.0	e1.5	e1.5	73	6.1	3.6	0.00	0.00	0.00	0.00
15	e0.00	0.74	e1.0	e1.5	e1.5	107	6.0	3.1	0.00	0.00	0.00	0.00
16	e0.00	1.5	e1.0	e1.5	e1.5	114	6.0	2.6	0.00	0.00	0.00	0.00
17	e0.00	1.8	e1.0	e1.5	e1.5	146	9.8	2.2	0.00	0.00	0.00	0.00
18	e0.00	1.9	e1.0	e1.5	e1.5	171	9.8	1.9	0.00	0.00	0.00	0.00
19	e0.00	1.9	e1.0	e1.5	e1.5	207	9.0	1.6	0.00	0.00	0.00	0.00
20	e0.00	2.0	e1.0	e1.5	e2.0	179	8.5	1.7	0.00	0.00	0.00	0.00
21	e0.00	2.3	e1.0	e1.5	e2.0	142	9.1	1.8	0.00	0.00	0.00	0.00
22	e0.00	2.4	e1.0	e1.5	e2.0	127	12	2.3	0.00	0.00	0.00	0.00
23	e0.00	1.6	e1.0	e1.5	e2.0	82	10	2.1	0.00	0.00	0.00	0.00
24	e0.00	e1.0	e1.0	e1.5	e2.0	76	8.1	2.1	0.00	0.00	0.00	0.00
25	e0.00	e1.0	e1.0	e1.5	e2.5	37	7.2	1.7	0.00	0.00	0.00	0.00
26	e0.00	e1.0	e1.0	e1.5	e2.5	31	6.6	1.5	0.00	0.00	0.00	0.00
27	e0.00	e1.0	e1.0	e1.5	e2.5	21	6.0	1.6	0.00	0.00	0.00	0.00
28	e0.00	e2.0	e1.0	e1.5	e2.5	14	5.7	2.9	0.00	0.00	0.00	0.00
29	e0.00	2.9	e1.0	e1.5	e2.5	11	6.2	4.1	0.00	0.00	0.00	0.00
30	e0.00	3.0	e1.0	e1.5	---	8.9	6.2	3.0	0.00	0.00	0.00	0.00
31	e0.00	---	e1.0	e1.5	---	8.1	---	2.2	---	0.00	0.00	---
TOTAL	0.00	34.94	34.0	42.5	51.0	1,719.5	240.5	87.5	4.82	0.00	0.00	0.00
MEAN	0.00	1.16	1.10	1.37	1.76	55.5	8.02	2.82	0.16	0.00	0.00	0.00
MAX	0.00	3.0	3.0	1.5	2.5	207	14	5.7	1.5	0.00	0.00	0.00
MIN	0.00	0.00	1.0	1.0	1.5	2.5	5.7	1.5	0.00	0.00	0.00	0.00
AC-FT	0.00	69	67	84	101	3,410	477	174	9.6	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	0.95	2.07	3.18	7.24	7.85	39.8	17.6	9.58	2.56	0.22	0.04	0.20
MAX	3.79	4.25	14.5	52.8	19.6	148	55.5	33.0	9.91	1.15	0.37	1.62
(WY)	(1999)	(1998)	(1997)	(1997)	(1995)	(1997)	(1996)	(1998)	(1998)	(1997)	(1997)	(1998)
MIN	0.00	1.16	0.22	0.18	0.18	1.96	2.31	0.34	0.00	0.00	0.00	0.00
(WY)	(1995)	(2004)	(1993)	(1993)	(1993)	(2003)	(2003)	(1992)	(2001)	(1992)	(1992)	(1992)

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10321590 SUSIE CREEK AT CARLIN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	497.78		2,214.76			
ANNUAL MEAN	1.36		6.05		7.72	
HIGHEST ANNUAL MEAN					22.1	1997
LOWEST ANNUAL MEAN					1.41	2003
HIGHEST DAILY MEAN	19	May 10	207	Mar 19	424	Mar 17, 1997
LOWEST DAILY MEAN	0.00	Jun 4	0.00	Oct 1	0.00	May 23, 1992
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 4	0.00	Oct 1	0.00	May 23, 1992
MAXIMUM PEAK FLOW			317	Mar 19	561	Mar 16, 1997
MAXIMUM PEAK STAGE			4.64	Mar 19	6.56	Mar 16, 1997
ANNUAL RUNOFF (AC-FT)	987		4,390		5,590	
10 PERCENT EXCEEDS	3.2		7.9		15	
50 PERCENT EXCEEDS	1.0		1.0		1.8	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN
10321940 MAGGIE CREEK ABOVE MAGGIE CREEK CANYON NEAR CARLIN

LOCATION.--Lat 40°49'30", long 116°13'21" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec. 22, T.34 S., R.51 E., Eureka County, Hydrologic Unit 16040101, on right bank, approximately 10.0 mi northwest of Carlin.

DRAINAGE AREA.--332 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 5,125 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 559 ft³/s March 22, 1997, gage height, 5.02 ft; minimum daily, 0.04 ft³/s August 23, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 181 ft³/s, March 20, 23, gage height, 4.14 ft; minimum daily discharge, 0.44 ft³/s, August 12.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.65	e1.6	e1.6	e5.7	e5.2	e6.4	40	42	19	2.6	0.59	0.66
2	e0.45	e1.6	e1.4	e5.6	e5.4	e6.5	40	41	17	2.3	0.65	0.50
3	e0.62	e1.6	e1.5	e5.6	5.4	e6.5	39	38	16	2.3	0.61	0.62
4	e0.77	e1.7	e1.5	e5.6	e5.2	e8.2	40	37	15	2.1	0.58	0.73
5	e0.82	e1.8	e1.5	e5.5	e6.2	e9.9	43	37	14	1.8	0.56	0.69
6	e0.79	e1.7	e1.7	e5.5	e5.4	e12	63	37	13	1.7	0.54	0.79
7	e0.75	e1.7	e2.8	e5.4	e5.6	e13	107	38	13	1.4	0.52	0.80
8	e0.84	e1.7	e2.5	e5.6	e5.7	e15	120	38	12	1.3	0.54	0.83
9	e0.82	e1.9	e2.4	e5.5	e5.4	e17	102	36	11	1.4	0.52	0.72
10	e0.85	e2.0	e2.6	e5.6	e5.2	e18	89	42	11	1.4	0.52	1.0
11	e0.83	e1.8	e3.2	e5.0	e5.6	e20	79	49	12	1.3	0.45	0.91
12	e0.81	e1.7	e3.2	e4.7	e5.4	28	70	47	12	1.2	0.44	1.1
13	e0.84	e1.9	e4.1	e4.7	e5.7	37	64	42	11	1.1	0.47	0.97
14	e0.71	e2.0	e4.2	e4.4	e6.1	46	59	38	10	0.76	0.49	1.3
15	e0.77	e2.1	e3.3	e4.9	e7.2	53	56	33	9.3	0.83	0.50	1.1
16	e0.80	e2.2	e2.9	e4.5	e8.1	59	52	31	8.4	0.79	1.3	1.3
17	e0.80	e2.4	e3.1	e4.6	e7.7	59	60	28	7.5	0.86	0.98	1.5
18	e0.83	e2.0	e3.3	e4.8	e7.4	49	60	25	7.2	1.1	0.62	1.3
19	e0.86	e1.9	e3.3	e4.7	e7.0	70	55	21	6.4	1.4	0.54	3.4
20	e0.90	e1.9	e3.6	e4.6	e6.1	140	51	22	5.9	1.5	0.66	4.4
21	e0.94	e2.3	e4.0	e4.7	e6.1	138	52	23	5.4	1.3	0.57	2.9
22	e0.92	e1.9	e5.3	e4.7	e6.2	130	57	24	5.1	1.1	0.65	2.2
23	e0.90	e1.5	e4.9	e4.7	e6.2	145	52	25	4.5	0.89	0.67	1.8
24	e0.90	e1.1	e5.4	e4.7	e6.3	119	47	23	4.1	0.78	0.63	1.6
25	e0.90	e1.3	e7.6	e4.9	e6.5	115	44	22	3.9	0.70	0.55	1.6
26	e0.95	e1.3	e7.0	e5.0	e6.6	101	42	21	4.0	0.64	0.68	1.5
27	e1.0	e1.2	e5.2	e5.0	e6.4	87	41	21	3.7	0.70	0.70	1.5
28	e1.1	e1.4	e5.1	5.2	e6.4	66	41	26	3.5	0.64	0.59	1.6
29	e1.3	e1.8	e5.2	5.4	e6.4	50	44	29	3.2	0.57	0.66	2.4
30	e1.6	e1.9	e5.3	5.5	---	42	44	25	3.0	0.57	0.67	2.9
31	e1.7	---	e6.0	e5.0	---	40	---	21	---	0.58	0.77	---
TOTAL	27.72	52.9	114.7	157.3	178.1	1,706.5	1,753	982	271.1	37.61	19.22	44.62
MEAN	0.89	1.76	3.70	5.07	6.14	55.0	58.4	31.7	9.04	1.21	0.62	1.49
MAX	1.7	2.4	7.6	5.7	8.1	145	120	49	19	2.6	1.3	4.4
MIN	0.45	1.1	1.4	4.4	5.2	6.4	39	21	3.0	0.57	0.44	0.50
AC-FT	55	105	228	312	353	3,380	3,480	1,950	538	75	38	89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	4.65	6.02	6.27	9.59	14.0	49.3	60.3	66.1	23.2	4.08	2.24	2.72
MAX	7.73	9.19	9.24	25.1	36.1	214	159	223	89.2	14.2	6.51	5.84
(WY)	(1999)	(1999)	(1999)	(1998)	(1997)	(1997)	(1997)	(1998)	(1998)	(1998)	(1998)	(1998)
MIN	0.89	1.76	3.70	4.62	6.13	5.90	9.36	10.9	1.67	0.31	0.08	0.22
(WY)	(2004)	(2004)	(2004)	(2002)	(2001)	(2003)	(2003)	(2001)	(2001)	(2003)	(2003)	(2003)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	2,166.16		5,344.77			
ANNUAL MEAN	5.93		14.6		16.6	
HIGHEST ANNUAL MEAN					49.3	
LOWEST ANNUAL MEAN					5.13	
HIGHEST DAILY MEAN	41	May 18	145	Mar 23	505	Mar 22, 1997
LOWEST DAILY MEAN	0.04	Aug 25	0.44	Aug 12	0.04	Aug 25, 2003
ANNUAL SEVEN-DAY MINIMUM	0.04	Aug 23	0.48	Aug 9	0.04	Aug 23, 2003
MAXIMUM PEAK FLOW			181	Mar 20	559	Mar 22, 1997
MAXIMUM PEAK STAGE			4.14	Mar 20	5.02	Mar 22, 1997
ANNUAL RUNOFF (AC-FT)	4,300		10,600		12,040	
10 PERCENT EXCEEDS	12		46		39	
50 PERCENT EXCEEDS	3.3		4.5		6.5	
90 PERCENT EXCEEDS	0.10		0.67		0.79	

e Estimated

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN
10321950 MAGGIE CREEK AT MAGGIE CREEK CANYON NEAR CARLIN, NV

LOCATION.--Lat 40°48'12", long 116°11'57" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec. 26, T.34 N., R.51 E., Eureka County, Hydrologic Unit 16040101, on right bank, approximately 8.0 mi northwest of Carlin.

DRAINAGE AREA.--334 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 5,085 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to June 2, 1992, at datum 1.00 ft higher.

REMARKS.--No estimated daily discharges. Records good. [See schematic diagram of Humboldt River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 591 ft³/s, March 27, 1993, gage height, 4.58 ft, maximum gage height, 4.67 ft, March 22, 1997; no flow some days, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 120 ft³/s, March 23, gage height, 3.24 ft; minimum daily discharge, 0.00 ft³/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN 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	36	34	13	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	36	32	11	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	35	30	9.6	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	1.9	36	29	8.5	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.67	38	28	7.5	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	1.5	49	29	6.6	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	3.1	87	29	6.1	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	5.3	103	28	5.8	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	7.0	89	27	5.5	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	10	78	31	5.6	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	15	70	40	6.0	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	18	63	39	6.0	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	24	57	35	5.3	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	32	53	31	4.5	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	42	50	27	3.8	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	49	47	25	3.3	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	54	54	23	2.7	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	59	55	20	2.2	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	72	49	16	1.8	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	106	46	16	1.1	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	109	47	17	0.60	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	109	50	18	0.17	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	109	46	19	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	99	41	18	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	98	38	16	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	89	35	15	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	78	34	15	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	61	33	19	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	47	36	22	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	39	37	19	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	36	---	15	---	0.00	0.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	1,374.47	1,528	762	116.67	0.00	0.00	0.00
MEAN	0.00	0.00	0.00	0.00	0.00	44.3	50.9	24.6	3.89	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	109	103	40	13	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	33	15	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	2,730	3,030	1,510	231	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	2.75	3.73	4.31	8.55	10.4	49.0	55.6	49.6	15.2	2.29	0.95	1.25
MAX	8.09	9.16	10.3	44.6	32.0	200	171	180	76.0	11.2	3.81	4.48
(WY)	(1990)	(1990)	(1999)	(1997)	(1997)	(1997)	(1996)	(1998)	(1998)	(1998)	(1998)	(1998)
MIN	0.00	0.00	0.00	0.00	0.00	2.18	6.00	2.47	0.04	0.00	0.00	0.00
(WY)	(1993)	(2001)	(2002)	(2002)	(2004)	(2003)	(2003)	(1992)	(2001)	(2001)	(1991)	(1992)

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10321950 MAGGIE CREEK AT MAGGIE CREEK CANYON NEAR CARLIN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	1,052.04		3,781.14			
ANNUAL MEAN	2.88		10.3		17.0	
HIGHEST ANNUAL MEAN					48.5 1997	
LOWEST ANNUAL MEAN					1.71 2001	
HIGHEST DAILY MEAN	32	May 17	109	Mar 21	520	Mar 27, 1993
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Jul 14, 1991
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Jul 23, 1991
MAXIMUM PEAK FLOW			120	Mar 23	591	Mar 27, 1993
MAXIMUM PEAK STAGE			3.24	Mar 23	4.67	Mar 22, 1997
ANNUAL RUNOFF (AC-FT)	2,090		7,500		12,320	
10 PERCENT EXCEEDS	8.6		39		37	
50 PERCENT EXCEEDS	0.00		0.00		4.7	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10322000 MAGGIE CREEK AT CARLIN, NV

LOCATION (REVISED)--Lat 40°42'58.48", long 116°05'36.87" referenced to North American Datum of 1983, in NW ¼ SE ¼ sec. 26, T.33 N., R.52 E., Elko County, Hydrologic Unit 16040101, on right bank, approximately 0.5 mi above confluence with the Humboldt River, and 0.5 mi east of Carlin.

DRAINAGE AREA.--396 mi².

PERIOD OF RECORD.--July 1913 to December 1921, April to May 1922, April 1923 to September 1924, April 1992 to current year.

REVISED RECORDS.--WDR NV-93-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,900 ft above sea level, from topographic map. Prior to April 1992, at several sites in immediate vicinity at different datums.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flows influenced by mine de-watering into creek 6.0 mi upstream since April 1994. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 800 ft³/s, May 7, 1922, gage height, 4.3 ft, (site and datum then in use); maximum gage height, 5.88 ft, March 27, 1993, (present datum); no flow some days during summer months, most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Discharge 2,440 ft³/s, February 12, 1962, computed from culvert computations and floodmarks. Flood of February-March 1910 may have been higher but discharge is unknown.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 135 ft³/s, March 21, 22 gage height, 4.10 ft; minimum daily discharge, 0.72 ft³/s, July 1, 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	9.6	13	15	20	20	49	57	38	0.72	12	13
2	5.7	9.5	9.1	15	20	20	71	55	35	0.72	12	12
3	5.8	9.4	12	15	20	20	70	54	31	0.74	12	12
4	6.1	9.4	14	15	20	20	69	57	36	0.75	11	12
5	6.4	9.4	14	16	20	20	72	48	31	0.74	11	12
6	6.5	9.7	14	16	20	21	67	47	29	0.74	12	12
7	6.5	9.9	15	16	20	22	69	48	26	3.6	12	12
8	6.7	10	15	16	20	24	96	46	25	6.3	13	12
9	6.9	10	15	16	20	26	105	45	24	7.5	13	13
10	6.9	10	14	16	20	28	94	44	22	7.7	13	14
11	6.5	10	15	16	20	29	85	47	20	7.7	13	14
12	6.7	10	14	16	20	30	79	47	22	6.7	13	13
13	6.9	10	14	16	20	e40	74	45	24	6.7	13	13
14	6.1	10	14	16	20	e46	69	43	23	7.0	12	13
15	6.3	11	14	16	20	e52	66	40	22	7.7	13	13
16	6.5	11	14	17	21	e56	64	37	20	8.1	14	13
17	6.7	11	14	17	22	e59	70	35	16	8.9	14	13
18	6.8	11	14	17	22	e61	71	32	16	9.1	13	13
19	7.2	7.6	14	17	22	e67	68	29	15	9.3	13	17
20	7.4	11	14	17	21	e125	65	26	14	9.3	13	16
21	7.4	13	14	17	21	e130	65	27	14	9.3	13	14
22	7.1	9.7	14	17	21	e135	69	29	13	9.3	12	14
23	7.1	12	14	18	21	e135	66	31	8.7	9.3	12	14
24	7.0	12	14	18	21	101	60	33	5.6	9.3	13	13
25	6.8	12	14	18	21	96	56	33	5.3	9.3	12	13
26	6.7	12	14	18	22	86	55	33	e3.0	9.6	13	13
27	6.8	12	14	19	22	79	56	35	e2.0	9.9	13	13
28	7.4	12	15	19	21	67	55	37	e1.4	10	13	13
29	7.6	12	15	20	21	52	56	38	e1.2	11	13	13
30	8.6	13	15	20	---	43	56	45	0.74	11	13	13
31	9.7	---	14	20	---	40	---	39	---	11	13	---
TOTAL	212.4	319.2	433.1	525	599	1,750	2,067	1,262	543.94	219.01	392	395
MEAN	6.85	10.6	14.0	16.9	20.7	56.5	68.9	40.7	18.1	7.06	12.6	13.2
MAX	9.7	13	15	20	22	135	105	57	38	11	14	17
MIN	5.6	7.6	9.1	15	20	20	49	26	0.74	0.72	11	12
AC-FT	421	633	859	1,040	1,190	3,470	4,100	2,500	1,080	434	778	783

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2004, BY WATER YEAR (WY)

MEAN	8.19	11.2	11.0	17.0	23.8	65.3	87.0	78.9	23.2	6.35	5.17	5.25
MAX	30.1	39.4	42.6	82.6	72.5	225	223	422	84.7	32.6	24.1	18.9
(WY)	(1998)	(1997)	(1997)	(1997)	(1997)	(1997)	(1922)	(1922)	(1998)	(1998)	(1996)	(1998)
MIN	0.00	0.00	0.00	0.00	0.10	1.96	8.71	0.12	0.07	0.01	0.00	0.00
(WY)	(1993)	(1993)	(1993)	(1924)	(1993)	(1994)	(1994)	(1992)	(1992)	(1992)	(1919)	(1919)

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10322000 MAGGIE CREEK AT CARLIN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1913 - 2004	
ANNUAL TOTAL	4,617.72		8,717.65			
ANNUAL MEAN	12.7		23.8		27.5	
HIGHEST ANNUAL MEAN					76.4 1997	
LOWEST ANNUAL MEAN					4.06 1924	
HIGHEST DAILY MEAN	27	May 28	135	Mar 22	750	May 7, 1922
LOWEST DAILY MEAN	0.34	Jul 14	0.72	Jul 1	0.00	Aug 17, 1915
ANNUAL SEVEN-DAY MINIMUM	2.3	Jul 11	0.74	Jun 30	0.00	Aug 17, 1915
MAXIMUM PEAK FLOW			135	Mar 22	800	May 7, 1922
MAXIMUM PEAK STAGE			4.10	Mar 21	5.88	Mar 27, 1993
ANNUAL RUNOFF (AC-FT)	9,160		17,290		19,890	
10 PERCENT EXCEEDS	16		57		71	
50 PERCENT EXCEEDS	14		14		9.3	
90 PERCENT EXCEEDS	7.2		6.9		0.40	

e Estimated

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10322150 MARYS CREEK AT CARLIN, NV

LOCATION.--Lat 40°42'38", long 116°07'30" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 28, T.33 N., R.52 E., Elko County, Hydrologic Unit 16040101, on left bank, 0.7 mi above confluence with Humboldt River, and 1.1 mi southeast of Carlin.

DRAINAGE AREA.--45 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 4,930 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to June 3, 1992, at datum 2.0 ft higher.

REMARKS.--Records poor. Discharge affected by intermittent pumping for Carlin water system, and beaver dam activity. [See schematic diagram of Humboldt River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 530 ft³/s, March 17, 1993, gage height, 8.15 ft; minimum daily, 0.11 ft³/s, September 18, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 109 ft³/s, March 18, gage height, 4.65 ft; minimum daily discharge, 2.8 ft³/s, January 13, July 13, 14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	3.8	3.3	3.2	3.3	4.4	13	3.7	4.1	3.4	3.8	4.1
2	4.1	3.8	3.3	3.2	3.3	4.4	13	3.7	4.2	3.4	4.0	4.6
3	4.0	3.6	3.3	3.1	3.4	4.3	13	4.3	4.2	3.3	4.2	5.3
4	4.0	3.5	3.1	3.1	3.4	4.3	12	4.5	4.3	3.3	4.2	5.2
5	3.9	3.6	3.4	3.1	3.4	4.2	12	4.4	4.4	3.3	4.3	5.2
6	3.8	3.6	3.4	3.1	3.4	4.4	15	4.2	4.5	3.2	4.2	5.1
7	3.9	3.6	3.5	3.0	3.5	4.3	12	4.4	4.6	3.3	4.2	5.0
8	3.9	3.6	3.4	2.9	3.5	4.3	9.7	4.1	4.6	3.2	4.1	4.8
9	3.9	3.6	3.5	2.9	3.4	4.2	8.1	3.6	4.7	3.4	4.2	4.6
10	3.8	3.5	3.5	2.9	3.5	7.3	7.4	3.8	4.8	3.4	4.2	4.5
11	3.9	3.6	3.5	2.9	3.5	9.8	6.4	3.8	4.8	3.4	4.3	4.5
12	3.9	3.6	3.5	2.9	3.5	11	5.7	3.7	4.8	3.0	4.4	4.3
13	3.9	3.6	3.5	2.8	3.5	13	5.5	e3.7	4.8	2.8	4.5	4.2
14	3.9	3.6	3.5	2.9	3.8	21	5.0	e3.6	4.9	2.8	4.6	4.3
15	3.9	3.6	3.5	2.9	3.6	26	4.7	e3.5	4.9	2.9	4.7	4.4
16	3.9	3.6	3.4	3.0	3.6	29	4.4	e3.5	5.0	3.0	4.7	4.5
17	3.9	3.6	3.5	2.9	3.6	36	5.4	3.4	5.3	3.1	4.7	4.6
18	3.9	3.5	3.5	3.0	3.6	34	4.5	3.5	5.3	3.2	4.6	4.7
19	3.9	3.5	3.5	3.0	3.6	35	4.2	3.5	5.2	3.3	4.4	4.9
20	3.9	3.5	3.5	3.0	3.5	26	4.2	3.6	4.9	3.3	4.4	4.9
21	3.9	3.5	3.5	3.0	3.6	33	4.5	3.6	4.7	3.3	4.4	5.0
22	3.9	3.4	3.5	3.0	3.6	33	4.9	4.0	4.6	3.3	4.6	5.0
23	3.9	3.3	3.5	3.1	3.7	34	4.3	4.4	4.6	3.3	4.5	5.0
24	3.9	3.3	3.5	3.1	3.6	30	4.1	4.0	4.4	3.3	4.5	4.8
25	3.9	3.3	3.5	3.2	4.0	27	4.2	3.7	4.2	3.3	4.3	4.8
26	4.0	3.4	3.4	3.2	4.3	23	4.0	3.8	3.9	3.4	4.5	4.7
27	4.0	3.4	3.4	3.2	4.5	19	3.8	3.9	3.7	3.5	4.4	4.7
28	4.0	3.4	3.3	3.2	4.3	16	3.7	4.0	3.5	3.5	4.5	4.7
29	4.0	3.3	3.3	3.2	4.3	14	3.7	4.0	3.5	3.6	4.4	4.5
30	3.9	3.3	3.2	3.2	---	13	3.6	4.0	3.4	3.6	4.2	4.6
31	3.9	---	3.2	3.2	---	13	---	4.0	---	3.7	4.1	---
TOTAL	121.6	105.5	105.9	94.4	105.8	541.9	206.0	119.9	134.8	101.8	135.1	141.5
MEAN	3.92	3.52	3.42	3.05	3.65	17.5	6.87	3.87	4.49	3.28	4.36	4.72
MAX	4.1	3.8	3.5	3.2	4.5	36	15	4.5	5.3	3.7	4.7	5.3
MIN	3.8	3.3	3.1	2.8	3.3	4.2	3.6	3.4	3.4	2.8	3.8	4.1
AC-FT	241	209	210	187	210	1,070	409	238	267	202	268	281

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	4.61	5.37	4.89	5.37	5.56	11.5	7.08	5.63	4.08	3.97	3.85	4.26
MAX	8.59	8.90	9.55	14.8	16.6	43.9	19.6	17.6	7.62	10.0	5.88	10.6
(WY)	(2001)	(1998)	(2003)	(1997)	(1996)	(1993)	(1998)	(1998)	(1999)	(2002)	(2001)	(1998)
MIN	2.13	3.47	2.21	2.85	1.78	3.16	2.64	1.90	1.36	1.60	2.34	1.11
(WY)	(1993)	(1992)	(1997)	(1993)	(1993)	(1994)	(1992)	(1992)	(1991)	(1991)	(1992)	(2002)

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10322150 MARYS CREEK AT CARLIN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	1,568.9		1,914.2			
ANNUAL MEAN	4.30		5.23		5.63	
HIGHEST ANNUAL MEAN					9.54 1998	
LOWEST ANNUAL MEAN					2.75 1992	
HIGHEST DAILY MEAN	8.2	Aug 3	36	Mar 17	400	Mar 17, 1993
LOWEST DAILY MEAN	3.1	Jun 19	2.8	Jan 13	0.11	Sep 18, 2002
ANNUAL SEVEN-DAY MINIMUM	3.2	Jun 16	2.9	Jan 8	0.17	Sep 13, 2002
MAXIMUM PEAK FLOW			109	Mar 18	530	Mar 17, 1993
MAXIMUM PEAK STAGE			4.65	Mar 18	8.15	Mar 17, 1993
ANNUAL RUNOFF (AC-FT)	3,110		3,800		4,080	
10 PERCENT EXCEEDS	5.4		5.3		8.3	
50 PERCENT EXCEEDS	4.1		3.9		4.4	
90 PERCENT EXCEEDS	3.4		3.2		2.4	

e Estimated

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10322500 HUMBOLDT RIVER AT PALISADE, NV

LOCATION.--Lat 40°36'27", long 116°12'03" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 35, T.32 N., R.51 E., Eureka County, Hydrologic Unit 16040101, on right bank, 0.2 mi downstream from a Southern Pacific Railroad bridge, 0.5 mi downstream from Palisade, 0.8 mi upstream from Pine Creek, and at mi 316.10 above Derby Road bridge.

DRAINAGE AREA.--5,053.2 mi².

PERIOD OF RECORD.--October 1902 to September 1906, and July 1911 to current year.

REVISED RECORDS.--WSP 1514, 1903-4, 1912, 1914. WDR NV-00-1: Drainage Area.

GAGE.--Water-stage recorder. Datum of gage is 4,825.55 ft above National Geodetic Vertical Datum of 1929. Prior to April 1, 1939, nonrecording gages (water-stage recorder April 22 to June 3, 1935) at several sites within 0.5 mi of present site at various datums.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation above station. [See schematic diagram of Humboldt River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,870 ft³/s, May 18, 1984, gage height, 10.08 ft; minimum daily, 2.0 ft³/s, August 25-28, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, about 17 ft, present datum, about February 28, 1910, from photographs and written statements of resident witnesses; discharge, about 17,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 815 ft³/s, March 22, gage height, 3.75 ft; minimum daily discharge, 25 ft³/s, September 15.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	36	44	e53	59	154	549	424	711	219	48	29
2	31	37	42	e53	60	151	554	424	662	210	49	29
3	30	38	36	e53	64	155	543	413	605	196	49	29
4	31	38	43	53	63	158	544	376	583	176	47	29
5	30	38	45	e53	65	166	533	369	572	161	41	29
6	30	39	45	e53	62	162	554	372	552	153	e38	29
7	31	39	46	e53	69	177	613	376	550	144	e37	28
8	30	38	48	e53	68	181	660	406	576	139	e36	28
9	30	40	47	55	68	202	712	426	600	135	e35	27
10	30	40	46	56	65	224	716	456	613	126	35	28
11	29	40	51	e53	e65	265	701	516	624	106	33	31
12	30	40	53	e53	e65	325	686	567	632	97	32	29
13	30	43	56	e53	e65	353	655	576	638	90	31	28
14	29	42	56	e53	e65	395	637	565	632	82	30	26
15	29	44	53	e53	67	458	597	541	597	79	29	25
16	30	43	51	e53	69	502	576	522	516	76	30	28
17	30	43	e50	e53	75	565	582	497	444	78	30	28
18	29	43	e49	e53	81	641	594	457	405	76	27	28
19	27	41	49	e53	92	712	588	451	380	72	28	38
20	27	38	52	e53	96	760	597	432	364	67	32	40
21	28	e38	54	e53	102	773	611	397	355	73	35	35
22	28	38	55	e53	116	796	604	379	353	65	33	33
23	29	38	54	e53	132	773	584	382	330	60	32	32
24	28	e38	e53	e53	136	742	562	398	300	61	32	31
25	28	e39	e53	e53	140	708	539	423	287	66	31	30
26	28	e39	e53	e53	153	695	505	448	266	63	32	30
27	29	e39	e53	e53	168	671	470	461	238	63	32	29
28	30	40	e53	53	160	641	437	483	241	57	32	29
29	31	42	e53	55	156	602	435	519	238	53	30	29
30	33	43	e53	57	---	577	435	561	230	51	30	32
31	35	---	e53	59	---	557	---	633	---	50	30	---
TOTAL	921	1,194	1,549	1,660	2,646	14,241	17,373	14,250	14,094	3,144	1,066	896
MEAN	29.7	39.8	50.0	53.5	91.2	459	579	460	470	101	34.4	29.9
MAX	35	44	56	59	168	796	716	633	711	219	49	40
MIN	27	36	36	53	59	151	435	369	230	50	27	25
MED	30	39	52	53	69	502	583	448	533	78	32	29
AC-FT	1,830	2,370	3,070	3,290	5,250	28,250	34,460	28,260	27,960	6,240	2,110	1,780

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2004, BY WATER YEAR (WY)

MEAN	58.5	87.5	105	144	281	580	841	998	1,180	338	60.0	36.8
MAX	369	411	720	616	1,779	2,949	4,222	5,719	4,635	1,960	571	199
(WY)	(1983)	(1984)	(1984)	(1997)	(1986)	(1983)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)
MIN	10.3	10.3	10.0	10.0	30.1	104	29.9	11.3	6.27	5.71	3.68	6.53
(WY)	(1932)	(1932)	(1932)	(1932)	(1932)	(1934)	(1934)	(1934)	(1931)	(1931)	(1931)	(1931)

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10322500 HUMBOLDT RIVER AT PALISADE, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1903 - 2004	
ANNUAL TOTAL	64,603		73,034			
ANNUAL MEAN	177		200		392	
HIGHEST ANNUAL MEAN					1,846	1984
LOWEST ANNUAL MEAN					34.8	1934
HIGHEST DAILY MEAN	1,770	Jun 4	796	Mar 22	7,820	May 18, 1984
LOWEST DAILY MEAN	22	Jul 22	25	Sep 15	2.0	Aug 25, 1931
ANNUAL SEVEN-DAY MINIMUM	26	Jul 20	27	Sep 12	2.4	Aug 22, 1931
MAXIMUM PEAK FLOW			815	Mar 22	7,870	May 18, 1984
MAXIMUM PEAK STAGE			3.75	Mar 22	10.08	May 18, 1984
ANNUAL RUNOFF (AC-FT)	128,100		144,900		283,700	
10 PERCENT EXCEEDS	357		590		1,150	
50 PERCENT EXCEEDS	66		56		120	
90 PERCENT EXCEEDS	30		30		24	

e Estimated

HUMBOLDT RIVER BASIN, MIDDLE HUMBOLDT RIVER BASIN
10323425 HUMBOLDT RIVER AT OLD U.S. 40 BRIDGE, AT DUNPHY, NV

LOCATION.--Lat 40°42'20", long 116°31'48" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec. 26, T.33 N., R.48 E., Eureka County, Hydrologic Unit 16040105, on right downstream bridge abutment, at Dunphy, and at mi 280.41 above Derby Road bridge.

DRAINAGE AREA.--7,470 mi².

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

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

GAGE.--Water-stage recorder. Elevation of gage is 4,630 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Many diversions for irrigation above station. [See schematic diagram of Humboldt River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,140 ft³/s, June 9, 1995, gage height, 8.57 ft; minimum daily, 1.6 ft³/s, August 13, 1992.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood February 12, 1962, maximum discharge 7,620 ft³/s, computed by slope-area and culvert computations of peak flow.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 903 ft³/s, June 2, gage height, 4.98 ft; minimum daily discharge, 14 ft³/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	20	35	e53	78	181	508	355	701	249	34	17
2	19	21	32	e53	84	180	509	350	763	240	34	17
3	19	21	33	e53	83	181	494	348	685	229	34	16
4	19	22	30	e54	82	183	492	341	622	215	32	16
5	19	23	32	e55	83	188	485	305	602	195	30	16
6	18	24	33	e55	77	188	483	313	574	179	28	16
7	16	25	34	e55	78	190	509	320	543	166	27	15
8	16	25	33	e55	e80	201	567	344	536	151	25	15
9	16	28	32	e55	e80	215	602	387	569	139	24	14
10	16	28	34	e54	82	257	647	437	590	134	23	14
11	16	27	35	e54	e80	303	641	486	601	108	23	14
12	16	27	34	e54	81	366	620	573	607	91	22	14
13	16	30	e34	e54	e88	420	599	612	611	82	21	14
14	16	30	e36	e54	e93	439	564	630	612	73	21	14
15	17	32	e38	e55	e94	486	547	627	598	67	20	14
16	16	34	42	e55	e98	543	504	605	584	63	23	14
17	16	33	e43	e55	104	582	500	590	497	60	32	14
18	17	34	e45	e56	115	642	509	549	425	60	28	14
19	17	42	e45	e56	123	720	515	531	392	60	26	19
20	17	46	e45	e56	128	790	512	542	369	56	24	22
21	16	43	e46	e57	123	826	523	531	353	52	23	23
22	16	e36	e46	e58	127	841	539	495	331	51	23	21
23	16	e32	e47	e59	141	843	524	476	328	48	23	20
24	16	e32	e48	e59	154	812	505	477	304	43	22	19
25	16	e32	e49	e59	155	773	484	496	280	42	21	19
26	16	e33	e50	e61	165	729	445	506	271	43	21	18
27	16	32	e51	e63	182	711	419	526	253	41	21	18
28	16	35	e51	e64	192	671	382	539	221	40	21	18
29	16	e35	e52	75	186	635	357	573	249	38	20	25
30	18	e35	e52	70	---	580	363	591	255	36	19	30
31	19	---	e53	71	---	536	---	628	---	34	18	---
TOTAL	522	917	1,270	1,787	3,236	15,212	15,348	15,083	14,326	3,085	763	520
MEAN	16.8	30.6	41.0	57.6	112	491	512	487	478	99.5	24.6	17.3
MAX	19	46	53	75	192	843	647	630	763	249	34	30
MIN	16	20	30	53	77	180	357	305	221	34	18	14
AC-FT	1,040	1,820	2,520	3,540	6,420	30,170	30,440	29,920	28,420	6,120	1,510	1,030

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	38.3	69.7	91.1	161	233	525	592	817	1,062	320	54.6	22.9
MAX	137	210	253	667	564	1,433	1,369	1,939	2,581	1,300	216	72.9
(WY)	(1999)	(1999)	(1997)	(1997)	(1997)	(1997)	(1996)	(1998)	(1995)	(1995)	(1998)	(1998)
MIN	8.51	20.9	33.7	38.7	45.1	129	148	159	37.5	7.87	2.93	2.49
(WY)	(1992)	(2002)	(1993)	(1993)	(1993)	(2003)	(1991)	(1992)	(1992)	(1992)	(1992)	(1992)

HUMBOLDT RIVER BASIN, MIDDLE HUMBOLDT RIVER BASIN

10323425 HUMBOLDT RIVER AT OLD U.S. 40 BRIDGE, AT DUNPHY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1991 - 2004	
ANNUAL TOTAL	56,252		72,069			
ANNUAL MEAN	154		197		345	
HIGHEST ANNUAL MEAN					728	
LOWEST ANNUAL MEAN					79.8	
HIGHEST DAILY MEAN	1,420	Jun 5	843	Mar 23	5,040	Jun 9, 1995
LOWEST DAILY MEAN	14	Aug 20	14	Sep 9	1.6	Aug 13, 1992
ANNUAL SEVEN-DAY MINIMUM	15	Aug 30	14	Sep 9	2.1	Sep 18, 1992
MAXIMUM PEAK FLOW			903	Jun 2	5,140	Jun 9, 1995
MAXIMUM PEAK STAGE			4.98	Jun 2	8.57	Jun 9, 1995
ANNUAL RUNOFF (AC-FT)	111,600		142,900		249,900	
10 PERCENT EXCEEDS	311		583		1,030	
50 PERCENT EXCEEDS	66		56		114	
90 PERCENT EXCEEDS	16		17		15	

e Estimated

HUMBOLDT RIVER BASIN, ROCK

10324500 ROCK CREEK NEAR BATTLE MOUNTAIN, NV

LOCATION (REVISED).--Lat 40°49'49.46", long 116°35'18.03" referenced to North American Datum of 1983, in SW ¼ NE ¼ sec. 17, T.34 N., R.48 E., Eureka County, Hydrologic Unit 16040106, at mouth of canyon on left bank, and 22 mi northeast of Battle Mountain.

DRAINAGE AREA.--863.73 mi².

PERIOD OF RECORD.--March 1918 to September 1925 (fragmentary October 1923 to April 1925), March 1927 to May 1929 (fragmentary), October 1945 to current year.

REVISED RECORDS.--WSP 1214: 1950 (M); WSP 1714: 1959; WDR NV-76-1: 1971 (P), 1974 (P); WDR NV-99-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,670 ft above National Geodetic Vertical Datum of 1929, estimated from nearby U.S. Coast and Geodetic Survey bench mark. Prior to March 26, 1918, nonrecording gage at site about 11 mi upstream at different datum. March 26, 1918, to October 28, 1970, water-stage recorder at site 0.4 mi upstream, at the following datums: at different datum March 26, 1918, to January 3, 1946; at datum 9.45 ft higher January 4, 1946, to July 23, 1964; at datum 7.35 ft higher July 23, 1964, to October 31, 1968; and at datum 6.34 ft higher November 1, 1968, to October 28, 1970.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Several diversions for irrigation in valleys upstream. Station is above all diversions in Boulder Flat. Flow can be affected by Willow Creek Reservoir in Squaw Valley, 30 mi upstream, usable capacity, 18,000 acre-ft. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,800 ft³/s, February 11, 1962, gage height, 6.89 ft; maximum gage height, 6.91 ft, January 3, 1997; no flow at times during summer months in some years

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 75 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
March 20	1715	*533	*4.07	No other peaks above base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.91	2.7	4.8	e4.5	e5.0	11	47	42	31	1.4	0.03	1.2
2	0.89	2.6	4.8	e4.5	e4.5	9.8	46	43	e29	1.4	0.03	1.1
3	0.84	2.5	4.5	e4.5	e4.0	11	48	42	e27	1.3	0.03	0.96
4	1.0	2.6	4.0	e4.5	e3.5	16	51	39	e24	1.3	0.02	1.0
5	1.2	2.8	3.5	4.6	e3.5	13	53	38	e21	1.2	0.02	1.1
6	1.3	2.9	3.6	4.4	e3.5	16	55	36	e17	1.1	0.01	1.3
7	1.4	2.7	3.6	4.7	e3.5	18	70	36	e14	1.1	0.12	1.5
8	1.3	2.6	e3.7	4.5	e3.5	34	73	37	e11	1.0	0.18	1.5
9	1.3	3.7	e3.7	5.7	e3.5	44	66	39	e8.6	0.99	0.22	1.4
10	1.2	4.0	3.7	6.2	e3.5	75	59	41	6.8	0.91	0.24	1.4
11	1.2	3.4	4.8	4.5	e3.8	103	55	48	5.7	0.87	0.27	1.2
12	1.3	3.3	5.0	5.1	e4.5	103	54	59	5.1	0.81	0.28	1.3
13	1.4	4.5	5.4	4.7	e6.5	118	52	58	4.4	0.78	0.32	1.3
14	1.4	4.3	e5.2	4.2	e8.8	158	50	53	4.0	0.71	0.34	1.3
15	1.4	4.1	e5.0	4.5	e12	198	45	50	3.7	0.70	0.39	1.4
16	1.6	4.7	e4.8	5.2	e14	240	36	46	3.3	0.67	0.59	1.6
17	1.6	4.6	4.4	5.2	16	295	38	42	2.8	0.65	1.2	1.7
18	1.7	4.6	e4.2	5.2	18	337	43	38	2.4	0.50	1.7	1.8
19	1.8	4.2	e4.1	6.1	14	414	42	34	2.3	0.24	1.8	3.2
20	1.8	3.8	4.0	5.5	13	448	44	33	2.1	0.17	2.1	4.0
21	1.7	3.8	4.9	4.7	13	388	45	33	2.1	0.14	1.6	e4.0
22	1.7	3.5	4.6	e5.0	17	324	46	32	2.0	0.13	1.3	e3.6
23	1.7	4.1	5.1	e5.0	20	271	51	35	1.9	0.12	1.3	e3.4
24	1.8	4.0	4.2	e5.2	17	236	51	42	1.8	0.11	1.3	e3.2
25	1.9	3.3	e4.5	e5.5	18	208	48	42	1.8	0.11	1.3	e3.0
26	2.0	3.7	e5.0	e5.7	18	170	48	38	1.8	0.10	1.3	e3.0
27	2.0	4.1	e5.0	e5.9	19	133	46	36	1.9	0.09	1.4	e3.0
28	2.0	3.6	e5.0	e6.0	14	101	45	38	1.8	0.08	1.6	2.7
29	2.1	4.0	4.8	e6.2	11	82	44	38	1.7	0.07	1.5	2.9
30	2.3	4.6	5.3	6.3	---	70	43	37	1.6	0.05	1.4	3.2
31	2.4	---	4.5	6.5	---	52	---	32	---	0.04	1.3	---
TOTAL	48.14	109.3	139.7	160.3	295.6	4,696.8	1,494	1,257	243.6	18.84	25.19	63.26
MEAN	1.55	3.64	4.51	5.17	10.2	152	49.8	40.5	8.12	0.61	0.81	2.11
MAX	2.4	4.7	5.4	6.5	20	448	73	59	31	1.4	2.1	4.0
MIN	0.84	2.5	3.5	4.2	3.5	9.8	36	32	1.6	0.04	0.01	0.96
AC-FT	95	217	277	318	586	9,320	2,960	2,490	483	37	50	125

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2004, BY WATER YEAR (WY)

MEAN	3.24	4.38	8.18	19.2	51.7	106	139	91.1	29.8	3.99	1.28	2.05
MAX	48.1	19.5	104	269	385	630	1,178	725	174	35.6	15.5	24.6
(WY)	(1998)	(1997)	(1984)	(1997)	(1986)	(1984)	(1952)	(1984)	(1998)	(1984)	(1984)	(1997)
MIN	0.08	0.77	0.50	0.30	1.00	2.93	1.10	0.85	0.15	0.00	0.00	0.00
(WY)	(1956)	(1962)	(1949)	(1949)	(1922)	(1963)	(1968)	(1992)	(1961)	(1919)	(1919)	(1919)

HUMBOLDT RIVER BASIN, ROCK

10324500 ROCK CREEK NEAR BATTLE MOUNTAIN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1918 - 2004	
ANNUAL TOTAL	2,230.34		8,551.73			
ANNUAL MEAN	6.11		23.4		38.8	
HIGHEST ANNUAL MEAN					235	1984
LOWEST ANNUAL MEAN					2.27	1994
HIGHEST DAILY MEAN	75	May 10	448	Mar 20	3,510	Feb 10, 1962
LOWEST DAILY MEAN	0.00	Jul 12	0.01	Aug 6	0.00	Jul 6, 1918
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 12	0.03	Jul 31	0.00	Jul 14, 1918
MAXIMUM PEAK FLOW			533	Mar 20	4,800	Feb 11, 1962
MAXIMUM PEAK STAGE			4.07	Mar 20	6.91	Jan 3, 1997
ANNUAL RUNOFF (AC-FT)	4,420		16,960		28,100	
10 PERCENT EXCEEDS	14		51		97	
50 PERCENT EXCEEDS	3.5		4.2		4.4	
90 PERCENT EXCEEDS	0.05		0.83		0.05	

e Estimated

HUMBOLDT RIVER BASIN, MIDDLE HUMBOLDT RIVER BASIN

10324700 BOULDER CREEK NEAR DUNPHY, NV

LOCATION.--Lat 40°57'04", long 116°26'39" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec. 33, T.36 N., R.49 E., Eureka County, Hydrologic Unit 16040105, on left bank, approximately 20 mi north of Dunphy.

DRAINAGE AREA.--76.7 mi².

PERIOD OF RECORD.--February 1991 to June 1993. Seasonal (January-June) record since June 1993.

GAGE.--Water-stage recorder. Elevation of gage is 5,010 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 440 ft³/s, January 2, 1997, gage height, 4.40 ft; no flow many days, most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 66 ft³/s, March 9, gage height, 3.23 ft; minimum daily discharge, 0.00 ft³/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	0.00	0.00	0.21	10	7.3	0.00	---	---	---
2	---	---	---	0.00	0.00	0.24	9.1	6.6	0.00	---	---	---
3	---	---	---	0.00	0.00	0.81	8.8	5.8	0.00	---	---	---
4	---	---	---	0.00	0.00	0.48	8.4	6.2	0.00	---	---	---
5	---	---	---	0.00	0.00	0.34	7.7	6.5	0.00	---	---	---
6	---	---	---	0.00	0.00	1.5	8.6	6.4	0.00	---	---	---
7	---	---	---	0.00	0.00	12	9.3	5.1	0.00	---	---	---
8	---	---	---	0.00	0.00	21	7.7	4.7	0.00	---	---	---
9	---	---	---	0.00	0.00	32	5.8	4.5	0.00	---	---	---
10	---	---	---	0.00	0.00	48	4.5	5.1	0.00	---	---	---
11	---	---	---	0.00	0.00	46	3.5	5.3	0.00	---	---	---
12	---	---	---	0.00	0.00	44	2.9	4.6	0.00	---	---	---
13	---	---	---	0.00	0.00	43	2.6	4.1	0.00	---	---	---
14	---	---	---	0.00	0.00	46	2.3	3.5	0.00	---	---	---
15	---	---	---	0.00	0.00	45	2.0	3.1	0.00	---	---	---
16	---	---	---	0.00	0.00	42	1.9	2.7	0.00	---	---	---
17	---	---	---	0.00	0.00	40	1.9	1.6	0.00	---	---	---
18	---	---	---	0.00	10	38	1.7	0.16	0.00	---	---	---
19	---	---	---	0.00	25	39	1.8	0.24	0.00	---	---	---
20	---	---	---	0.00	20	39	1.7	0.00	0.00	---	---	---
21	---	---	---	0.00	15	37	1.7	0.00	0.00	---	---	---
22	---	---	---	0.00	13	36	0.30	1.00	0.00	---	---	---
23	---	---	---	0.00	12	31	1.5	0.04	0.00	---	---	---
24	---	---	---	0.00	7.5	25	2.8	0.00	0.00	---	---	---
25	---	---	---	0.00	3.1	23	2.7	0.00	0.00	---	---	---
26	---	---	---	0.00	3.4	20	2.9	0.00	0.00	---	---	---
27	---	---	---	0.00	0.96	17	2.4	0.00	0.00	---	---	---
28	---	---	---	0.00	0.45	15	2.1	0.00	0.00	---	---	---
29	---	---	---	0.00	0.85	13	1.6	0.00	0.00	---	---	---
30	---	---	---	0.00	---	12	4.3	0.00	0.00	---	---	---
31	---	---	---	0.00	---	11	---	0.00	---	---	---	---
TOTAL	---	---	---	0.00	111.26	778.58	124.50	84.54	0.00	---	---	---
MEAN	---	---	---	0.00	3.84	25.1	4.15	2.73	0.00	---	---	---
MAX	---	---	---	0.00	25	48	10	7.3	0.00	---	---	---
MIN	---	---	---	0.00	0.00	0.21	0.30	0.00	0.00	---	---	---
AC-FT	---	---	---	0.00	221	1,540	247	168	0.00	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	0.00	0.00	0.00	3.40	5.57	12.5	10.3	13.0	1.30	0.00	0.00	0.01
MAX	0.00	0.00	0.00	38.5	44.8	57.6	40.2	80.7	14.4	0.00	0.00	0.01
(WY)	(1992)	(1992)	(1992)	(1997)	(1996)	(1993)	(1998)	(1998)	(1998)	(1991)	(1991)	(1991)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1992)	(1992)	(1992)	(1992)	(1991)	(1991)	(1991)	(1992)	(1992)	(1991)	(1991)	(1992)

SUMMARY STATISTICS

WATER YEARS 1991 - 2004

ANNUAL MEAN	0.09	
HIGHEST ANNUAL MEAN	0.09	1992
LOWEST ANNUAL MEAN	0.09	1992
HIGHEST DAILY MEAN	350	Jan 2, 1997
LOWEST DAILY MEAN	0.00	Feb 1, 1991
ANNUAL SEVEN-DAY MINIMUM	0.00	Feb 1, 1991
MAXIMUM PEAK FLOW	440	Jan 2, 1997
MAXIMUM PEAK STAGE	4.40	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	62	
10 PERCENT EXCEEDS	0.00	
50 PERCENT EXCEEDS	0.00	
90 PERCENT EXCEEDS	0.00	

HUMBOLDT RIVER BASIN, MIDDLE HUMBOLDT RIVER BASIN

10325000 HUMBOLDT RIVER AT BATTLE MOUNTAIN, NV

LOCATION.--Lat 40°40'04", long 116°55'49" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 08, T.32 N., R.45 E., Lander County, Hydrologic Unit 16040105, on left bank, downstream side of bridge on State Highway 806, 2 mi north of Battle Mountain, and at mi 249.01 above Derby Road bridge. Reese River enters Humboldt River several mi below station.

DRAINAGE AREA.--11,202.1 mi².

PERIOD OF RECORD.--May 1896 to December 1897, March 1921 to April 1924, October 1945 to September 1981, February 1991 to current year.

REVISIONS.--WSP 1564: 1897-98, 1923; WDR NV-99-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4489.04 ft above National Geodetic Vertical Datum of 1929, from levels by the U.S. Geological Survey. Prior to March 1, 1921, nonrecording gage 1.3 mi upstream and March 1, 1921, to April 19, 1924, nonrecording gage 0.8 mi upstream, both at different datums. October 1945 to September 10, 1972, water-stage recorder at site 1.0 mi upstream at datum 4.79 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Records prior to 1969 (except the maximum for the period of record) do not always include flow in secondary channels or ditches at medium-high stages, much of which was used for irrigation. Many diversions above station for irrigation. [See schematic diagram of Humboldt River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,800 ft³/s, May 3, 1952, maximum gage height, 10.62 ft, June 12, 1995; no flow some days, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 909 ft³/s, March 24, 25, gage height, 6.82 ft; minimum daily discharge, 3.6 ft³/s, September 13.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	8.8	33	e46	e68	e127	495	300	399	182	21	7.0
2	4.7	9.7	31	e47	e69	186	450	289	452	172	21	6.6
3	5.3	11	27	e48	e70	186	442	254	486	165	20	6.0
4	5.1	12	28	e48	e71	181	423	197	451	157	19	5.7
5	5.3	13	26	e49	e72	182	418	215	429	144	18	5.7
6	5.4	14	25	e50	e72	186	409	208	423	130	17	5.7
7	5.5	15	27	e50	e72	183	413	210	411	115	16	5.8
8	5.1	16	28	e51	e73	187	425	211	397	106	15	5.3
9	4.6	18	27	e52	e73	194	458	215	398	98	13	4.8
10	4.3	26	e28	e52	e74	206	491	227	426	93	11	4.4
11	4.4	19	e29	e54	e75	238	503	261	438	88	10	4.1
12	4.7	19	31	e55	e76	276	501	308	450	73	8.8	3.7
13	4.7	21	e31	e55	e77	330	499	376	454	63	7.7	3.6
14	5.0	21	e31	e55	e79	373	477	527	458	56	7.0	3.7
15	5.1	21	e32	e55	e80	398	453	436	459	49	7.3	3.9
16	5.4	23	e32	e55	e80	441	438	403	445	45	8.7	3.9
17	5.6	26	e33	e56	e81	483	422	381	426	43	17	3.8
18	5.7	26	e34	e56	e82	532	414	353	369	41	21	3.8
19	5.8	24	e35	e56	e90	605	437	318	318	43	17	6.1
20	5.9	28	e35	e57	e102	694	436	306	293	42	16	13
21	6.0	e28	e36	e58	e117	786	444	302	273	38	14	13
22	6.0	e29	e37	e58	e122	835	448	287	259	38	11	14
23	5.9	30	e38	e59	e124	873	447	266	240	35	11	14
24	6.0	e32	e39	e60	e125	886	439	254	237	32	11	12
25	6.2	e34	e40	e61	e124	858	420	257	217	30	10	11
26	6.5	e36	e41	e62	e124	845	403	273	201	27	9.9	11
27	6.7	37	e43	e62	e124	789	376	283	194	28	10	10
28	6.9	e38	e43	e64	e124	742	356	308	179	27	9.8	10
29	6.9	34	e45	e66	e124	694	313	322	157	26	9.5	10
30	7.9	35	e45	e67	---	659	296	349	182	25	8.9	14
31	8.1	---	e45	e67	---	564	---	366	---	23	7.8	---
TOTAL	174.8	704.5	1,055	1,731	2,644	14,719	12,946	9,262	10,521	2,234	404.4	225.6
MEAN	5.64	23.5	34.0	55.8	91.2	475	432	299	351	72.1	13.0	7.52
MAX	8.1	38	45	67	125	886	503	527	486	182	21	14
MIN	4.1	8.8	25	46	68	127	296	197	157	23	7.0	3.6
AC-FT	347	1,400	2,090	3,430	5,240	29,200	25,680	18,370	20,870	4,430	802	447

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 2004, BY WATER YEAR (WY)

MEAN	30.7	70.1	105	178	277	504	734	872	1,073	346	46.9	16.5
MAX	194	291	334	1,123	999	1,693	3,060	3,718	3,496	1,418	243	120
(WY)	(1999)	(1999)	(1999)	(1997)	(1962)	(1997)	(1952)	(1952)	(1980)	(1995)	(1975)	(1965)
MIN	0.00	0.21	3.67	9.58	22.7	102	96.9	50.7	20.7	2.36	0.00	0.00
(WY)	(1993)	(1955)	(1955)	(1955)	(1955)	(1961)	(1959)	(1959)	(1992)	(1992)	(1992)	(1981)

HUMBOLDT RIVER BASIN, MIDDLE HUMBOLDT RIVER BASIN
 10325000 HUMBOLDT RIVER AT BATTLE MOUNTAIN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1897 - 2004	
ANNUAL TOTAL	48,454.7		56,621.3		353	
ANNUAL MEAN	133		155		889	
HIGHEST ANNUAL MEAN					54.5	
LOWEST ANNUAL MEAN					1971	
HIGHEST DAILY MEAN	1,290	Jun 5	886	Mar 24	5,800	May 3, 1952
LOWEST DAILY MEAN	2.4	Sep 7	3.6	Sep 13	0.00	Sep 8, 1948
ANNUAL SEVEN-DAY MINIMUM	2.8	Sep 3	3.8	Sep 12	0.00	Sep 8, 1948
MAXIMUM PEAK FLOW			909	Mar 24	5,800	May 3, 1952
MAXIMUM PEAK STAGE			6.82	Mar 24	10.62	Jun 12, 1995
ANNUAL RUNOFF (AC-FT)	96,110		112,300		256,000	
10 PERCENT EXCEEDS	258		443		1,030	
50 PERCENT EXCEEDS	53		55		118	
90 PERCENT EXCEEDS	4.6		6.0		4.2	

e Estimated

HUMBOLDT RIVER BASIN, MIDDLE HUMBOLDT RIVER BASIN

10327500 HUMBOLDT RIVER AT COMUS, NV

LOCATION.--Lat 40°59'32", long 117°19'00" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 14, T.36 N., R.41 E., Humboldt County, Hydrologic Unit 16040105, on left bank, at Comus siding of Southern Pacific Railroad, 9.0 mi northeast of Golconda, 1.0 mi upstream of Kelly Creek, 32 mi northwest of Battle Mountain, and at mi 191.48 above Derby Road bridge.

DRAINAGE AREA.--12,220 mi² at current location at Comus railroad siding.

PERIOD OF RECORD.--October 1894 to December 1909, September 1910 to September 1926, October 1945 to current year. Published as "near Golconda" prior to October 1917.

REVISED RECORDS.--WSP 1514: 1921-22, 1926. WSP 1314: 1904, 1907-8, 1911-13, 1916-17; WDR NV-99-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,350 ft, above National Geodetic Vertical Datum of 1929, from topographic map. Prior to September 25, 1917, nonrecording gages at several sites in vicinity of present location at different datums. September 25, 1917, to June 30, 1923, and May 23, 1925, to May 31, 1926, nonrecording gages at several sites within 7.0 mi of present site at different datums, October 1, 1945 to December 11, 1997 at Comus railroad siding site, 6.5 mi upstream at different datum. December 12, 1997 to March 2, 2000, at site 6.5 mi downstream at Preble bridge. March 7, 2000, gage moved back to upstream site at Comus railroad siding.

REMARKS.--Records fair. Many diversions above station for irrigation, 206,000 acres, additional acreage not covered by decree. Flows significantly influenced by discharge into river from mine de-watering approximately 15.5 mi upstream. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,900 ft³/s, April 24, 1984, gage height, 12.25 ft; no flow at times some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 659 ft³/s, March 25, 26, 27, gage height, 5.46 ft; minimum daily discharge, 0.50 ft³/s, October 14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	35	36	40	62	171	453	380	330	170	40	54
2	37	35	37	e41	64	180	464	381	331	174	39	56
3	42	33	36	e42	63	179	455	375	336	167	39	55
4	37	31	37	e43	65	183	436	371	343	160	40	55
5	33	32	36	e44	71	180	441	291	344	151	48	55
6	31	32	38	45	75	171	444	256	349	144	79	55
7	24	32	38	50	74	168	439	246	352	132	74	54
8	21	10	37	48	70	170	435	237	348	121	64	50
9	21	2.9	37	48	67	172	432	231	360	115	58	48
10	5.4	2.2	37	48	e65	179	457	235	387	115	56	49
11	0.82	2.1	37	51	e60	185	475	256	371	109	56	46
12	0.59	2.0	39	53	e57	204	495	256	361	104	58	45
13	0.55	2.1	40	54	e55	232	499	273	360	100	61	46
14	0.50	2.0	40	51	53	265	498	300	348	92	49	48
15	13	32	40	e48	55	290	491	335	327	85	49	49
16	19	37	39	e48	57	311	476	385	338	78	55	48
17	21	37	39	e47	69	337	467	379	353	75	59	49
18	24	43	36	e47	85	370	456	365	365	73	58	48
19	24	55	31	e47	97	411	449	354	367	73	58	52
20	24	53	32	e46	106	461	451	284	347	72	56	54
21	25	e56	33	e46	118	516	467	264	320	72	57	52
22	25	e56	e33	e46	129	568	471	289	296	71	61	52
23	23	55	e35	e46	129	601	472	284	280	68	63	51
24	3.4	45	e36	e45	132	629	477	286	265	62	63	46
25	21	19	e37	45	129	652	469	283	251	57	61	45
26	21	37	e38	e46	138	655	461	340	242	53	61	46
27	21	34	e39	e47	144	656	451	308	226	50	60	45
28	22	37	40	48	141	651	429	303	218	50	60	45
29	22	35	46	53	151	633	417	305	205	47	58	44
30	19	34	45	60	---	482	388	310	179	43	57	47
31	26	---	49	60	---	430	---	324	---	41	55	---
TOTAL	634.26	918.3	1,173	1,483	2,581	11,292	13,715	9,486	9,499	2,924	1,752	1,489
MEAN	20.5	30.6	37.8	47.8	89.0	364	457	306	317	94.3	56.5	49.6
MAX	42	56	49	60	151	656	499	385	387	174	79	56
MIN	0.50	2.0	31	40	53	168	388	231	179	41	39	44
AC-FT	1,260	1,820	2,330	2,940	5,120	22,400	27,200	18,820	18,840	5,800	3,480	2,950

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1895 - 2004, BY WATER YEAR (WY)

MEAN	32.9	63.7	96.7	141	254	522	735	750	869	411	73.6	21.9
MAX	259	386	791	762	873	3,267	5,312	6,227	4,630	1,930	636	190
(WY)	(1985)	(1984)	(1984)	(1984)	(1984)	(1983)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)
MIN	0.05	0.10	0.09	0.10	0.16	25.0	57.8	9.79	3.33	0.08	0.08	0.00
(WY)	(1954)	(1955)	(1961)	(1955)	(1955)	(1896)	(1920)	(1918)	(1918)	(1992)	(1954)	(1920)

HUMBOLDT RIVER BASIN, MIDDLE HUMBOLDT RIVER BASIN

10327500 HUMBOLDT RIVER AT COMUS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1895 - 2004	
ANNUAL TOTAL	42,529.16		56,946.56		331	
ANNUAL MEAN	117		156		2,022	
HIGHEST ANNUAL MEAN					36.8	
LOWEST ANNUAL MEAN					1920	
HIGHEST DAILY MEAN	662	Jun 18	656	Mar 27	9,640	Apr 25, 1984
LOWEST DAILY MEAN	0.50	Oct 14	0.50	Oct 14	0.00	Sep 16, 1905
ANNUAL SEVEN-DAY MINIMUM	3.3	Nov 8	3.3	Nov 8	0.00	Jan 1, 1906
MAXIMUM PEAK FLOW			659	Mar 25	9,900	Apr 24, 1984
MAXIMUM PEAK STAGE			5.46	Mar 25	12.25	Apr 24, 1984
ANNUAL RUNOFF (AC-FT)	84,360		113,000		239,500	
10 PERCENT EXCEEDS	255		435		908	
50 PERCENT EXCEEDS	73		60		114	
90 PERCENT EXCEEDS	21		31		1.0	

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HUMBOLDT RIVER BASIN, LITTLE HUMBOLDT RIVER BASIN
10329000 LITTLE HUMBOLDT RIVER NEAR PARADISE VALLEY, NV

LOCATION (REVISED).--Lat 41°24'56.96", long 117°22'24.64" referenced to North American Datum of 1983, in NW ¼ SE ¼ sec. 20, T.41 N., R.41 E., Humboldt County, Hydrologic Unit 16040109, on right bank, 3.5 mi downstream from Bull Head Ranch, and 9.5 mi southeast of Paradise Valley.

DRAINAGE AREA.--1,030 mi².

PERIOD OF RECORD.--October 1921 to June 1928 (fragmentary), October 1943 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,470 ft, from river-profile map. Prior to November 21, 1946, water-stage recorder at site 1 mi downstream at different datum. November 21, 1946, to August 16, 1972, at site 250 ft upstream at datum 2.21 ft higher, August 16, 1972 to January 7, 1998 at same site at datum 3.0 ft lower.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Chimney Dam Reservoir, capacity, 35,000 acre-ft, 10 mi upstream, since 1975. Records not adjusted for storage. Diversions for irrigation of 4,450 acres, Little Humboldt Decree, above station. Station is above all diversions in Paradise Valley. [See schematic diagram of Humboldt River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to dam, 2,380 ft³/s, January 21, 1969, gage height, 8.40 ft; maximum discharge after dam completed, 678 ft³/s, May 15, 1984, gage height, 6.46 ft; minimum daily before dam, 4.0 ft³/s, January 7, 1970; minimum daily after dam, 4.1 ft³/s, July 30, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 77 ft³/s, April 18, gage height, 4.65 ft; minimum daily discharge, 6.5 ft³/s, September 1, 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	7.1	7.6	8.1	7.3	8.0	28	50	22	7.2	7.0	6.5
2	7.0	7.1	7.6	8.1	7.4	7.8	29	49	22	7.2	6.9	6.5
3	7.0	7.1	7.6	8.0	7.4	7.7	29	49	22	7.3	6.9	6.6
4	7.0	7.1	7.5	7.8	7.4	7.7	30	48	22	7.3	7.2	6.8
5	7.0	7.1	7.6	7.7	7.2	7.6	31	49	21	7.0	7.1	6.9
6	7.0	7.1	7.8	7.7	7.2	7.5	29	49	22	7.0	7.1	6.8
7	7.0	7.1	8.1	7.7	7.3	7.4	22	49	21	7.0	7.0	7.1
8	7.0	7.1	7.8	7.5	7.2	7.5	23	48	21	7.0	7.1	7.2
9	7.0	7.2	7.7	7.5	7.2	7.6	23	47	21	7.0	6.9	7.1
10	7.0	7.2	7.8	7.5	7.0	8.3	29	46	20	6.9	7.0	7.2
11	7.0	7.3	7.8	7.4	7.0	7.8	35	46	20	6.9	7.0	7.3
12	7.0	7.3	7.9	7.5	6.9	8.2	49	44	20	6.9	7.1	7.3
13	7.0	7.3	8.0	7.4	6.9	12	51	43	20	7.0	6.9	7.4
14	7.0	7.3	8.1	7.4	6.9	12	52	42	20	7.1	7.3	7.6
15	7.0	7.4	8.0	7.4	6.8	12	55	40	20	7.1	7.2	7.6
16	7.0	7.4	8.0	7.4	7.0	11	58	39	19	7.0	7.5	7.7
17	7.0	7.4	8.0	7.3	7.0	10	58	42	20	7.1	7.9	7.5
18	7.0	7.2	8.0	7.3	13	9.7	63	41	19	7.2	7.5	7.3
19	7.0	7.4	7.9	7.3	10	9.9	62	28	15	7.2	7.3	7.1
20	7.0	7.4	7.9	7.3	7.7	10	56	27	13	7.1	7.1	7.0
21	7.0	7.5	7.9	7.3	7.3	11	56	27	13	7.0	7.1	6.8
22	7.1	7.4	7.9	7.3	7.4	11	57	26	13	7.1	7.0	6.9
23	7.1	7.3	7.9	7.3	7.8	12	31	25	13	7.1	6.8	6.9
24	7.0	7.3	8.2	7.4	8.0	12	21	24	12	7.1	6.8	6.8
25	7.0	7.3	8.2	7.4	7.7	13	49	24	13	7.2	6.6	6.8
26	7.0	7.4	8.0	7.4	8.2	13	52	24	10	7.2	6.8	6.7
27	7.0	7.3	7.9	7.5	8.4	13	52	24	7.8	7.0	6.7	6.8
28	7.0	7.5	7.9	7.5	8.0	14	51	24	7.5	6.9	6.7	6.9
29	7.1	7.7	8.1	7.6	8.1	14	51	23	7.3	7.0	6.7	6.9
30	7.1	7.8	8.1	7.6	---	15	50	22	7.2	7.0	6.7	6.9
31	7.1	---	8.0	7.4	---	26	---	22	---	7.0	6.6	---
TOTAL	217.5	219.1	244.8	233.0	222.7	333.7	1,282	1,141	503.8	219.1	217.5	210.9
MEAN	7.02	7.30	7.90	7.52	7.68	10.8	42.7	36.8	16.8	7.07	7.02	7.03
MAX	7.1	7.8	8.2	8.1	13	26	63	50	22	7.3	7.9	7.7
MIN	7.0	7.1	7.5	7.3	6.8	7.4	21	22	7.2	6.9	6.6	6.5
AC-FT	431	435	486	462	442	662	2,540	2,260	999	435	431	418

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

	8.88	9.23	9.36	9.23	10.8	12.7	36.6	62.1	47.1	23.8	17.2	12.0
MEAN	8.88	9.23	9.36	9.23	10.8	12.7	36.6	62.1	47.1	23.8	17.2	12.0
MAX	28.8	29.1	26.0	25.3	27.4	43.2	188	404	249	78.7	57.9	46.5
(WY)	(1985)	(1985)	(1985)	(1985)	(1985)	(1984)	(1984)	(1984)	(1983)	(1983)	(1983)	(1986)
MIN	6.14	6.75	7.20	6.99	6.85	7.93	7.98	8.00	6.11	6.57	5.94	6.62
(WY)	(1995)	(1989)	(1999)	(1981)	(1995)	(1997)	(1994)	(1992)	(1992)	(1992)	(1992)	(1992)

HUMBOLDT RIVER BASIN, LITTLE HUMBOLDT RIVER BASIN
10329000 LITTLE HUMBOLDT RIVER NEAR PARADISE VALLEY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	3,582.4		5,045.1			
ANNUAL MEAN	9.81		13.8		21.6	
HIGHEST ANNUAL MEAN					80.2	
LOWEST ANNUAL MEAN					7.76	
HIGHEST DAILY MEAN	37	May 15	63	Apr 18	656	May 17, 1984
LOWEST DAILY MEAN	6.9	Aug 15	6.5	Sep 1	4.1	Jul 30, 1992
ANNUAL SEVEN-DAY MINIMUM	6.9	Aug 15	6.6	Aug 28	4.5	Jul 28, 1992
MAXIMUM PEAK FLOW			77	Apr 18	678	May 15, 1984
MAXIMUM PEAK STAGE			4.65	Apr 18	6.46	May 15, 1984
ANNUAL RUNOFF (AC-FT)	7,110		10,010		15,660	
10 PERCENT EXCEEDS	10		32		49	
50 PERCENT EXCEEDS	7.9		7.5		9.1	
90 PERCENT EXCEEDS	7.0		6.9		7.0	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 1974, BY WATER YEAR (WY)

MEAN	7.73	8.44	9.51	20.1	26.0	38.2	74.4	64.9	30.5	9.58	7.19	7.37
MAX	13.8	15.2	25.9	194	86.5	178	456	268	125	33.2	11.1	12.0
(WY)	(1926)	(1928)	(1965)	(1969)	(1952)	(1972)	(1952)	(1952)	(1952)	(1952)	(1922)	(1923)
MIN	5.65	5.68	5.50	5.75	6.69	8.85	11.1	9.39	6.54	5.58	5.48	5.57
(WY)	(1967)	(1967)	(1967)	(1962)	(1955)	(1955)	(1955)	(1924)	(1966)	(1959)	(1967)	(1951)

SUMMARY STATISTICS WATER YEARS 1922 - 1974

ANNUAL MEAN	25.6	
HIGHEST ANNUAL MEAN	88.6	1952
LOWEST ANNUAL MEAN	8.53	
HIGHEST DAILY MEAN	2000	Jan 21 1969
LOWEST DAILY MEAN	4.0	Jan 7 1970
ANNUAL SEVEN-DAY MINIMUM	4.6	Jan 30 1962
INSTANTANEOUS PEAK FLOW	2380	Jan 21 1969
INSTANTANEOUS PEAK STAGE	8.40	Jan 21 1969
ANNUAL RUNOFF (AC-FT)	18510	
10 PERCENT EXCEEDS	61	
50 PERCENT EXCEEDS	9.2	
90 PERCENT EXCEEDS	6.3	

HUMBOLDT RIVER BASIN, LITTLE HUMBOLDT RIVER BASIN

10329500 MARTIN CREEK NEAR PARADISE VALLEY, NV

LOCATION.--Lat 41°32'05", long 117°25'01" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec. 12, T.42 N., R.40 E., Humboldt County, Hydrologic Unit 16040109, on left bank, 0.6 mi upstream from Humboldt County Recreation Park, and 7 mi northeast of Paradise Valley.

DRAINAGE AREA.--175.2 mi².

PERIOD OF RECORD.--October 1921 to current year.

REVISED RECORDS.--WSP 1514: 1925-27 (M), 1930 (M), 1933 (M), 1938 (M), 1940, 1945; WDR NV-99-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,700 ft above National Geodetic Vertical Datum of 1929, from extension of river-profile map. Prior to October 22, 1946, water-stage recorder at several sites within 400 ft of present site at different datums.

REMARKS.--Records fair. No diversions above station. See schematic diagram of Humboldt River Basin.\

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,000 ft³/s, January 21, 1943, gage height, 11.10 ft, site and datum then in use, on basis of slope area measurement of peak flow; minimum daily, 2.0 ft³/s, September 1, 1928.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
March 19	2215	*395	*3.05	No other peaks greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.1	7.7	e8.7	e7.9	9.5	20	93	71	43	13	6.3	6.3
2	7.3	7.6	e9.0	e7.8	e9.5	19	79	75	42	13	6.2	6.3
3	7.7	8.0	e9.3	e7.8	e9.5	18	83	84	41	13	6.3	6.6
4	7.7	8.0	9.6	7.7	e9.6	20	95	97	40	12	6.3	6.8
5	7.4	8.0	9.7	e7.9	e9.6	19	106	111	39	11	6.1	6.9
6	7.2	7.8	10	e8.2	9.7	20	108	111	38	10	6.1	6.4
7	7.1	7.8	13	e8.6	e9.6	23	103	105	37	9.9	6.1	6.3
8	7.2	8.0	12	e9.0	e9.4	33	109	101	35	9.4	6.1	6.3
9	7.1	8.3	11	e9.2	e9.3	51	102	94	33	9.4	6.0	6.3
10	7.1	8.3	11	e9.4	e9.2	89	95	92	36	9.2	5.9	6.3
11	7.3	8.2	11	e9.6	9.1	89	87	89	33	8.8	5.8	6.3
12	7.3	8.2	11	9.7	9.8	105	84	77	29	8.4	5.7	6.4
13	7.5	8.2	12	10	10	143	85	69	26	8.1	5.8	6.6
14	7.6	8.3	12	9.8	13	183	80	62	25	7.7	6.0	6.8
15	7.6	8.6	9.5	9.8	12	195	73	58	24	7.3	6.4	6.9
16	7.6	8.7	9.1	e9.6	14	185	67	55	23	7.1	7.3	6.9
17	7.6	9.2	e9.5	e9.3	14	188	62	54	22	7.0	9.7	6.9
18	7.6	9.0	10	e9.0	20	197	60	54	21	7.4	8.1	6.7
19	7.5	8.8	10	e8.8	32	274	57	55	20	8.6	7.4	7.3
20	7.6	8.8	11	e8.6	23	214	54	55	19	8.3	7.2	7.9
21	7.6	8.9	11	e8.4	21	160	57	53	19	7.7	7.8	7.6
22	7.6	7.6	11	8.3	21	161	56	54	18	7.1	7.2	7.3
23	7.6	7.1	11	9.7	22	153	56	53	17	6.9	7.3	7.3
24	7.6	e7.2	11	11	22	142	56	50	16	6.8	7.3	7.0
25	7.6	e7.3	12	11	22	109	57	48	15	6.8	7.0	6.9
26	7.6	e7.5	10	11	24	95	59	45	15	7.1	7.3	6.9
27	7.5	7.6	8.2	12	23	96	64	45	14	6.9	7.4	6.9
28	7.5	e7.9	e8.2	12	20	83	74	56	15	6.7	7.1	6.9
29	7.6	e8.2	e8.1	12	19	77	72	57	14	6.5	6.7	7.0
30	7.8	e8.3	e8.0	12	---	83	70	48	13	6.4	6.6	7.1
31	7.8	---	e7.9	11	---	90	---	45	---	6.4	6.4	---
TOTAL	231.9	243.1	314.8	296.1	445.8	3,334	2,303	2,123	782	263.9	208.9	204.1
MEAN	7.48	8.10	10.2	9.55	15.4	108	76.8	68.5	26.1	8.51	6.74	6.80
MAX	7.8	9.2	13	12	32	274	109	111	43	13	9.7	7.9
MIN	7.1	7.1	7.9	7.7	9.1	18	54	45	13	6.4	5.7	6.3
MED	7.6	8.1	10	9.4	13	95	73	57	23	7.7	6.4	6.9
AC-FT	460	482	624	587	884	6,610	4,570	4,210	1,550	523	414	405

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2004, BY WATER YEAR (WY)

MEAN	7.77	9.53	12.0	19.6	31.2	55.8	88.1	110	54.9	11.8	5.93	6.18
MAX	13.8	19.6	70.4	149	291	219	441	500	319	50.1	13.2	9.00
(WY)	(2001)	(1982)	(1965)	(1943)	(1986)	(1986)	(1952)	(1984)	(1983)	(1983)	(1983)	(1984)
MIN	4.97	5.10	5.00	5.87	7.14	9.83	14.0	14.7	6.43	4.65	3.64	4.20
(WY)	(1932)	(1932)	(1931)	(1937)	(1929)	(1977)	(1931)	(1931)	(1931)	(1931)	(1981)	(1937)

HUMBOLDT RIVER BASIN, LITTLE HUMBOLDT RIVER BASIN
10329500 MARTIN CREEK NEAR PARADISE VALLEY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1922 - 2004	
ANNUAL TOTAL	6,677.5		10,750.6			
ANNUAL MEAN	18.3		29.4		34.4	
HIGHEST ANNUAL MEAN					108	1984
LOWEST ANNUAL MEAN					8.18	1931
HIGHEST DAILY MEAN	107	May 30	274	Mar 19	2,500	Jan 21, 1943
LOWEST DAILY MEAN	5.4	Jul 31	5.7	Aug 12	2.0	Sep 1, 1928
ANNUAL SEVEN-DAY MINIMUM	5.4	Aug 14	5.9	Aug 8	2.0	Sep 1, 1928
MAXIMUM PEAK FLOW			395	Mar 19	9,000	Jan 21, 1943
MAXIMUM PEAK STAGE			3.05	Mar 19	11.10	Jan 21, 1943
ANNUAL RUNOFF (AC-FT)	13,240		21,320		24,900	
10 PERCENT EXCEEDS	41		86		95	
50 PERCENT EXCEEDS	11		9.6		10	
90 PERCENT EXCEEDS	6.2		6.8		5.7	

e Estimated

HUMBOLDT RIVER BASIN, LOWER HUMBOLDT RIVER BASIN

10333000 HUMBOLDT RIVER NEAR IMLAY, NV

LOCATION.--Lat 40°41'33", long 118°12'12" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec. 25, T.33 N., R.33 E., Pershing County, Hydrologic Unit 16040108, on right bank, 1 mi upstream from Callahan bridge, 4 mi northwest of Imlay, and at mi 75.00 above Derby Road bridge.

DRAINAGE AREA.--15,503.9 mi².

PERIOD OF RECORD.--June 1935 to December 1941, April 1945 to current year.

REVISED RECORDS.--WSP 1714: Drainage area; WDR NV-99-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,130 ft above National Geodetic Vertical Datum of 1929, from Geological Survey vertical-angle bench mark. Prior to April 28, 1945, at site 1 mi downstream at different datum. April 28, 1945, to August 20, 1947, at present site at datum 1 ft higher.

REMARKS.--Records good except for estimated daily discharges and discharges below 1 cfs, which are poor. Humboldt-Lovelock Irrigation, Light and Power Co.'s feeder canal diverts water at times from river above station to Pitt-Taylor Reservoirs. Flow affected by many diversions above station for irrigation. [See schematic diagram of Humboldt River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,270 ft³/s, May 27, 1984, gage height, 13.20 ft; no flow at times, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 538 ft³/s, March 31, gage height, 5.52 ft; minimum daily discharge, 0.46 ft³/s, October 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.46	9.3	e19	e38	55	151	464	132	84	176	45	26
2	0.64	9.5	e21	e41	56	153	426	118	66	162	42	24
3	0.76	11	e24	e44	e56	155	411	133	59	129	39	23
4	1.1	13	e25	45	e56	159	428	166	70	120	37	24
5	1.5	13	31	48	e56	163	413	165	68	111	35	26
6	1.8	13	31	e49	e57	165	418	165	68	105	33	25
7	1.6	14	31	e50	e57	164	421	151	69	105	32	24
8	1.6	15	31	e52	e58	165	387	127	69	153	30	24
9	2.3	17	28	e53	e58	164	388	119	66	156	28	24
10	5.1	18	30	e54	e58	161	383	116	69	152	28	24
11	5.6	19	32	e55	e58	163	374	114	100	155	31	24
12	5.4	18	33	e55	e58	e169	371	103	191	209	31	23
13	5.7	19	36	e55	e59	e175	371	96	218	173	29	23
14	6.5	18	38	e56	57	e181	360	92	222	147	27	23
15	6.7	17	40	e56	e57	e187	259	137	237	134	27	23
16	7.2	16	e44	e56	e58	e193	189	179	305	125	27	23
17	6.9	14	e43	e56	e59	e199	225	164	235	117	27	23
18	6.2	13	39	e57	e60	207	263	160	214	109	26	21
19	5.5	11	41	e57	e62	223	280	157	214	105	26	22
20	5.0	10	40	58	e70	236	278	159	212	100	26	25
21	4.6	9.8	45	e55	81	253	178	159	212	93	26	28
22	4.4	10	42	e53	88	264	142	156	205	89	26	28
23	4.2	10	41	e53	96	295	169	154	210	84	28	29
24	4.0	11	36	e52	105	327	130	142	240	79	30	30
25	4.0	e10	36	e52	114	329	123	127	217	69	29	30
26	4.3	e10	37	e51	124	220	151	118	205	66	28	30
27	8.0	e10	e34	e50	131	216	189	112	196	65	28	29
28	11	e10	31	e51	140	237	278	105	193	61	29	29
29	11	e11	e32	e52	145	271	225	98	187	57	29	29
30	11	e13	e33	e53	---	328	166	98	174	52	27	28
31	9.9	---	e36	e54	---	511	---	100	---	48	27	---
TOTAL	153.96	392.6	1,060	1,611	2,189	6,784	8,860	4,122	4,875	3,506	933	764
MEAN	4.97	13.1	34.2	52.0	75.5	219	295	133	162	113	30.1	25.5
MAX	11	19	45	58	145	511	464	179	305	209	45	30
MIN	0.46	9.3	19	38	55	151	123	92	59	48	26	21
AC-FT	305	779	2,100	3,200	4,340	13,460	17,570	8,180	9,670	6,950	1,850	1,520

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2004, BY WATER YEAR (WY)

MEAN	41.2	61.1	87.9	118	183	378	541	607	678	449	115	42.2
MAX	301	412	685	779	991	1,991	4,489	6,223	5,355	2,340	936	292
(WY)	(1985)	(1985)	(1984)	(1984)	(1984)	(1986)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)
MIN	0.00	0.00	0.00	0.00	0.00	33.7	45.8	16.5	1.76	0.75	0.00	0.00
(WY)	(1936)	(1936)	(1936)	(1940)	(1941)	(1955)	(1955)	(1992)	(1992)	(1992)	(1992)	(1992)

HUMBOLDT RIVER BASIN, LOWER HUMBOLDT RIVER BASIN

10333000 HUMBOLDT RIVER NEAR IMLAY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1935 - 2004	
ANNUAL TOTAL	25,387.27		35,250.56			
ANNUAL MEAN	69.6		96.3		272	
HIGHEST ANNUAL MEAN					2,017	1984
LOWEST ANNUAL MEAN					26.0	1955
HIGHEST DAILY MEAN	375	Jun 27	511	Mar 31	9,190	May 27, 1984
LOWEST DAILY MEAN	0.39	Sep 30	0.46	Oct 1	0.00	Jun 1, 1935
ANNUAL SEVEN-DAY MINIMUM	0.49	Sep 25	1.1	Oct 1	0.00	Jun 1, 1935
MAXIMUM PEAK FLOW			538	Mar 31	9,270	May 27, 1984
MAXIMUM PEAK STAGE			5.52	Mar 31	13.20	May 27, 1984
ANNUAL RUNOFF (AC-FT)	50,360		69,920		196,900	
10 PERCENT EXCEEDS	141		222		686	
50 PERCENT EXCEEDS	56		56		95	
90 PERCENT EXCEEDS	3.9		10		10	

e Estimated

HUMBOLDT RIVER BASIN, LITTLE HUMBOLDT RIVER BASIN

10334500 RYE PATCH RESERVOIR NEAR RYE PATCH, NV

LOCATION.--Lat 40°28'15", long 118°18'30" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec. 18, T.30 N., R.33 E., Humboldt County, Hydrologic Unit 16040108, on right bank, 1,100 ft downstream from Rye Patch Dam, 1.5 mi northwest of Rye Patch and at mi 49.45 above Derby Road bridge.

DRAINAGE AREA.--16,100 mi².

PERIOD OF RECORD.--February 1936 to current year.

REVISED RECORDS.--WSP 1714: Drainage area.

GAGE.--Staff gage on dam read daily when water level is high enough. When level is low, surface elevation obtained by levels.

COOPERATION.--Records of daily elevation and storage furnished by Pershing County Water Conservation District.

REMARKS.-- See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 200,400 acre-ft, June 9, 1998, elevation, 4,136.5 ft; no contents, August 7-11, 1955, May 12 to June 13, 1961, July 17, 1992, and August 11-13, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 31,700 acre-ft, April 4, elevation, 4,115.0 ft; minimum observed, 10,480 acre-ft, October 1, November 1, elevation, 4,103.3 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10,480	10,480	10,900	12,540	---	---	---	31,320	24,400	18,200	15,660	11,000
2	---	---	---	---	---	17,600	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	31,700	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	14,760	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

MAX
MIN

HUMBOLDT RIVER BASIN, LOWER HUMBOLDT RIVER BASIN

10335000 HUMBOLDT RIVER NEAR RYE PATCH, NV

LOCATION.--Lat 40°28'03", long 118°18'24" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec. 18, T.30 N., R.33 E., Pershing County, Hydrologic Unit 16040108, on right bank, 1,100 ft downstream from Rye Patch Dam, 1.5 mi northwest of Rye Patch, and at mi 49.45 above Derby Road bridge.

DRAINAGE AREA.--16,100 mi², approximately.

PERIOD OF RECORD.--January 1896 to June 1898, June 1899 to December 1909, September 1910 to June 1917, September 1917 to September 1922, September 1924 to September 1930 (fragmentary), October 1930 to September 1932, October 1935 to September 1941, October 1943 to current year. Prior to October 1935, published as "Near Oreana."

REVISED RECORDS.--WSP 1714: Drainage area; WDR-NV-00-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,070. ft, above National Geodetic Vertical Datum of 1929 from topographic map. Prior to October 1, 1935, water-stage recorder or nonrecording gages at several sites about 7 mi downstream at different datum. October 1, 1935, to October 13, 1945, water-stage recorder at site 0.5 mi upstream at different datum. October 14, 1945, to April 9, 1991, water-stage recorder at site 75 ft downstream at datum 5.00 ft higher. April 9, 1991 to September 30, 1998, water-stage recorder at site 100 ft upstream on opposite bank, at same datum.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by Rye Patch Reservoir (station 10334500) since 1936. Records not adjusted for storage. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to dam, 3,050 ft³/s, May 12, 1897, gage height, 12.0 ft, (datum then in use); maximum discharge after dam completed, 7,960 ft³/s, May 28, 1984, gage height, 13.65 ft (datum then in use); no flow at times in some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 557 ft³/s, June 29, gage height, 7.12 ft; minimum daily discharge, 0.04 ft³/s, November 10.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.24	0.07	0.11	0.51	0.31	0.25	0.51	365	23	354	163	49
2	0.22	0.07	0.12	0.42	0.35	0.18	0.53	452	24	254	235	94
3	0.20	0.06	0.16	0.40	0.30	0.25	0.95	463	8.7	135	128	133
4	0.17	0.06	0.17	0.27	0.29	0.46	162	478	0.78	93	145	143
5	0.17	0.06	0.17	0.20	0.29	0.23	455	489	1.2	16	180	166
6	0.13	0.06	0.17	0.18	0.32	0.22	197	468	1.6	8.8	243	97
7	0.13	0.05	0.17	0.19	0.33	0.21	129	411	2.0	43	192	80
8	0.14	0.05	0.19	0.17	0.28	0.23	113	447	2.2	8.7	140	43
9	0.14	0.05	0.22	0.17	0.20	0.20	106	391	41	72	99	43
10	0.11	0.04	0.24	0.17	0.22	0.11	103	404	58	82	107	44
11	0.13	0.05	0.21	0.19	0.21	0.13	137	374	58	92	49	43
12	0.13	0.06	0.27	0.24	0.22	0.15	125	276	57	132	34	42
13	0.12	0.07	0.23	0.25	0.22	0.16	120	225	113	137	48	73
14	0.10	0.07	0.29	0.28	0.22	0.16	122	216	120	130	51	52
15	0.10	0.07	0.28	0.29	0.22	0.17	123	173	190	128	142	16
16	0.10	0.07	0.31	0.29	0.25	0.15	124	144	162	128	176	2.5
17	0.10	0.07	0.36	0.29	0.28	0.14	109	122	287	130	166	2.7
18	0.09	0.08	0.37	0.29	0.29	0.16	65	71	268	98	108	2.8
19	0.10	0.08	0.38	0.30	0.25	0.17	143	56	236	102	99	3.0
20	0.10	0.08	0.52	0.27	0.23	0.15	276	55	236	70	99	3.1
21	0.09	0.08	0.62	0.25	0.25	0.15	257	55	227	71	100	2.8
22	0.09	0.09	0.42	0.23	0.27	0.17	256	47	310	72	25	32
23	0.09	0.09	0.44	0.22	0.30	0.19	223	21	370	72	7.7	68
24	0.09	0.09	0.50	0.21	0.30	0.19	232	23	419	73	42	50
25	0.08	0.09	0.43	0.20	0.37	0.28	301	27	304	73	14	71
26	0.08	0.09	0.42	0.23	0.31	0.32	306	20	262	127	9.9	71
27	0.08	0.09	0.49	0.31	0.23	0.41	320	20	336	162	48	84
28	0.08	0.11	0.47	0.29	0.22	0.38	345	20	432	235	88	134
29	0.07	0.11	0.47	0.29	0.24	0.51	344	21	540	213	119	80
30	0.07	0.11	0.42	0.27	---	0.56	378	21	473	231	95	13
31	0.07	---	0.40	0.26	---	0.74	---	22	---	206	59	---
TOTAL	3.61	2.22	10.02	8.13	7.77	7.78	5,572.99	6,377	5,562.48	3,748.5	3,211.6	1,737.9
MEAN	0.12	0.07	0.32	0.26	0.27	0.25	186	206	185	121	104	57.9
MAX	0.24	0.11	0.62	0.51	0.37	0.74	455	489	540	354	243	166
MIN	0.07	0.04	0.11	0.17	0.20	0.11	0.51	20	0.78	8.7	7.7	2.5
AC-FT	7.2	4.4	20	16	15	15	11,050	12,650	11,030	7,440	6,370	3,450

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2004, BY WATER YEAR (WY)

MEAN	108	35.7	42.0	66.1	61.7	159	438	628	546	443	262	153
MAX	430	366	979	1,310	1,142	2,206	3,579	6,215	4,981	1,983	990	716
(WY)	(1999)	(1999)	(1984)	(1984)	(1984)	(1983)	(1984)	(1984)	(1984)	(1984)	(1995)	(1995)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.14	104	22.8	1.54	0.42	0.12
(WY)	(1936)	(1936)	(1936)	(1936)	(1936)	(1937)	(1991)	(1955)	(1961)	(1991)	(1961)	(1992)

HUMBOLDT RIVER BASIN, LOWER HUMBOLDT RIVER BASIN

10335000 HUMBOLDT RIVER NEAR RYE PATCH, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1936 - 2004	
ANNUAL TOTAL	18,912.07		26,250.00			
ANNUAL MEAN	51.8		71.7		246	
HIGHEST ANNUAL MEAN					2,004	1984
LOWEST ANNUAL MEAN					29.2	1955
HIGHEST DAILY MEAN	402	Apr 30	540	Jun 29	7,840	May 29, 1984
LOWEST DAILY MEAN	0.04	Nov 10	0.04	Nov 10	0.00	Oct 1, 1935
ANNUAL SEVEN-DAY MINIMUM	0.05	Nov 5	0.05	Nov 5	0.00	Oct 1, 1935
MAXIMUM PEAK FLOW			557	Jun 29	7,960	May 28, 1984
MAXIMUM PEAK STAGE			7.12	Jun 29	13.65	May 28, 1984
ANNUAL RUNOFF (AC-FT)	37,510		52,070		178,200	
10 PERCENT EXCEEDS	217		238		568	
50 PERCENT EXCEEDS	0.33		0.59		101	
90 PERCENT EXCEEDS	0.09		0.09		0.15	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 1932, BY WATER YEAR (WY)

MEAN	39.9	42.5	67.4	92.5	163	301	476	527	446	517	159	53.0
MEAN	39.9	42.5	67.4	92.5	163	301	476	527	446	517	159	53.0
MAX	167	192	259	296	672	1319	1757	2692	2113	2003	605	248
(WY)	(1908)	(1908)	(1900)	(1914)	(1914)	(1901)	(1907)	(1897)	(1897)	(1899)	(1899)	(1907)
MIN	0.00	0.00	0.00	0.00	0.00	16.3	7.83	13.2	0.033	0.00	0.00	0.00
(WY)	(1931)	(1931)	(1931)	(1931)	(1931)	(1920)	(1920)	(1905)	(1920)	(1920)	(1931)	(1931)

SUMMARY STATISTICS WATER YEARS 1896 - 1932

ANNUAL MEAN	228	
HIGHEST ANNUAL MEAN	702	1907
LOWEST ANNUAL MEAN	8.57	1920
HIGHEST DAILY MEAN	3050	May 12 1897
LOWEST DAILY MEAN	.00	Jun 19 1905
ANNUAL SEVEN-DAY MINIMUM	.00	Jun 22 1905
INSTANTANEOUS PEAK FLOW	3050	May 12 1897
INSTANTANEOUS PEAK STAGE	12.0	May 12 1897
ANNUAL RUNOFF (AC-FT)	165100	
10 PERCENT EXCEEDS	681	
50 PERCENT EXCEEDS	90	
90 PERCENT EXCEEDS	4.0	

TRUCKEE RIVER BASIN, LAKE TAHOE

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

LOCATION.--Lat 38°47'47", long 120°01'05" referenced to North American Datum of 1927, in NW ¼ SW ¼ 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.--14.09 mi².

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records fair except for estimated discharges which are poor. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,010 ft³/s, January 2, 1997, gage height, 11.31 ft; minimum daily, 0.76 ft³/s, September 1, 1990.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 4	2015	226	7.31	May 28	0445	*277	*7.62

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	2.5	3.4	e5.9	e5.1	6.5	51	117	99	18	3.8	1.2
2	1.6	2.4	3.4	e6.0	e5.1	6.5	42	148	100	18	3.5	1.2
3	1.6	2.6	e2.9	e6.0	e5.1	6.2	48	165	98	18	3.4	1.2
4	1.6	2.5	e3.3	e6.0	e5.1	6.1	71	177	89	16	3.3	1.2
5	1.6	2.6	e5.0	e6.1	e5.0	6.0	86	181	85	15	3.2	1.2
6	1.7	2.5	e6.0	e6.1	e5.0	6.2	78	149	84	14	3.0	1.3
7	1.7	2.6	e6.0	e6.2	e5.0	7.1	67	127	75	13	3.0	1.4
8	1.6	2.7	e5.9	e6.1	e5.0	9.7	75	130	61	12	2.8	1.3
9	1.7	e3.1	e5.9	e6.1	e5.0	14	80	131	52	11	2.7	1.3
10	1.8	e3.2	e5.8	e6.0	e5.0	18	81	119	47	10	2.5	1.4
11	1.9	3.2	e5.8	e5.9	e5.0	20	81	92	47	9.4	2.3	1.4
12	1.8	3.1	e5.7	e5.9	e5.0	21	92	76	47	8.9	2.3	1.4
13	1.9	3.1	e5.7	e5.8	e5.0	23	89	83	49	8.4	2.3	1.5
14	2.0	3.0	e5.6	e5.8	e5.0	28	70	102	50	7.8	2.2	1.6
15	1.9	3.2	e5.6	e5.7	e5.0	38	59	108	48	7.2	2.2	1.8
16	1.9	3.1	e5.4	e5.6	e5.0	39	50	109	47	6.9	2.3	1.8
17	1.8	3.2	e5.4	e5.6	e5.0	40	45	111	44	6.8	2.1	1.8
18	1.8	3.1	e5.4	e5.5	e5.0	48	41	96	41	6.5	2.1	1.5
19	1.6	3.2	e5.5	e5.5	e7.5	60	38	83	39	6.3	2.1	1.5
20	1.7	e3.1	e5.5	e5.4	9.7	63	38	82	35	6.0	2.0	1.5
21	1.7	3.1	e5.5	e5.4	9.0	77	39	76	33	5.6	2.0	1.3
22	1.8	2.8	e5.6	e5.3	8.4	79	38	76	31	5.3	2.0	1.3
23	1.7	2.8	e5.6	e5.3	7.9	79	39	79	30	5.0	2.0	1.3
24	1.8	2.9	e5.7	e5.3	7.3	68	54	78	27	4.9	2.1	1.3
25	1.8	2.8	e5.7	e5.2	8.0	53	75	77	24	4.6	2.0	1.4
26	1.8	2.7	e5.7	e5.2	10	40	99	78	22	4.4	1.9	1.4
27	1.8	2.6	e5.8	e5.2	8.8	32	126	97	21	4.1	1.5	1.4
28	2.0	2.8	e5.8	e5.2	7.2	32	137	192	19	4.2	1.4	1.6
29	2.0	3.2	e5.9	e5.1	6.6	42	112	112	19	3.7	1.3	1.7
30	2.1	3.2	e5.9	e5.1	---	54	99	100	19	3.7	1.3	1.8
31	2.4	---	e5.9	e5.1	---	56	---	98	---	3.7	1.2	---
TOTAL	55.8	86.9	166.3	174.6	180.8	1,078.3	2,100	3,449	1,482	268.4	71.8	43.0
MEAN	1.80	2.90	5.36	5.63	6.23	34.8	70.0	111	49.4	8.66	2.32	1.43
MAX	2.4	3.2	6.0	6.2	10	79	137	192	100	18	3.8	1.8
MIN	1.6	2.4	2.9	5.1	5.0	6.0	38	76	19	3.7	1.2	1.2
AC-FT	111	172	330	346	359	2,140	4,170	6,840	2,940	532	142	85

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	2.98	5.79	8.22	15.7	11.2	21.3	52.5	133	115	40.8	8.43	3.34
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)

TRUCKEE RIVER BASIN, LAKE TAHOE

10336580 UPPER TRUCKEE RIVER AT SOUTH UPPER TRUCKEE ROAD NEAR MEYERS CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	11,351.3		9,156.9			
ANNUAL MEAN	31.1		25.0		35.6	
HIGHEST ANNUAL MEAN					72.3	
LOWEST ANNUAL MEAN					14.1	
HIGHEST DAILY MEAN	350	May 29	192	May 28	1,130	Jan 2, 1997
LOWEST DAILY MEAN	1.6	Aug 30	1.2	Aug 31	0.76	Sep 1, 1990
ANNUAL SEVEN-DAY MINIMUM	1.6	Sep 28	1.2	Aug 30	0.97	Aug 29, 1990
MAXIMUM PEAK FLOW			277	May 28	2,010	Jan 2, 1997
MAXIMUM PEAK STAGE			7.62	May 28	11.31	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	22,520		18,160		25,820	
10 PERCENT EXCEEDS	108		83		111	
50 PERCENT EXCEEDS	7.1		5.7		7.8	
90 PERCENT EXCEEDS	1.9		1.7		2.0	

e Estimated

TRUCKEE RIVER BASIN, PYRAMID-WINNEMUCCA LAKES

10336500 PYRAMID LAKE NEAR NIXON, NV

LOCATION.--Lat 39°59'05", long 119°30'00" referenced to North American Datum of 1927, Washoe County, Hydrologic Unit 16050103, 0.25 mi north of the Pyramid, 1.6 mi northeast of Anaho Island, and 13 mi northwest of Nixon.

DRAINAGE AREA.--2,720 mi².

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). WRD NV-67-1: 1966.

GAGE.--Nonrecording gage. Datum of gage is 3,940.29 ft, above National Geodetic Vertical Datum 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, non recording 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 Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.](#)

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, 22,762,000 acre-ft, October 31, elevation 3,809.2 ft; minimum contents observed, 22,498,000 acre-ft, September 1, elevation 3806.9 ft.

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND TOTAL CONTENTS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30.....	3809.4	22,784,000	--
October 31.....	3809.2	22,762,000	-22,000
November 30.....	3808.7	22,704,000	-58,000
December 31.....	3808.7	22,704,000	0
CALENDAR YEAR 2003.....	--		-201,000
January 31.....	3808.6	22,692,000	-12,000
February 29.....	3808.4	22,668,000	-24,000
March 31.....	3808.2	22,644,000	-24,000
April 30.....	3808.2	22,644,000	0
May 31.....	3808.0	22,620,000	-24,000
June 30.....	3807.8	22,598,000	-22,000
July 31.....	3807.4	22,554,000	-44,000
August 31.....	3806.9	22,498,000	-56,000
September 30.....	3806.4	22,438,000	-60,000
WATER YEAR 2004.....	--	--	-346,000

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

TRUCKEE RIVER BASIN, LAKE TAHOE

10336580 UPPER TRUCKEE RIVER AT SOUTH UPPER TRUCKEE ROAD NEAR MEYERS CA—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: September 1997 to September 2003, discontinued.

INSTRUMENTATION.--Water temperature recorder September 1997 to September 2003, 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 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, July 21, 22, 24, 2003; minimum, freezing point on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
09...	1410	1.7	--	--	--	--	56	19.5	8.6	--	.11	.003	.002
NOV													
04...	1405	3.1	--	--	--	--	54	1.5	1.5	--	.10	<.003	.003
DEC													
05...	1435	E5.0	598	11.1	101	7.7	40	3.5	1.5	.10	.18	.003	.010
JAN													
08...	1450	E6.1	--	--	--	--	39	1.5	1.0	--	.12	.003	.025
FEB													
04...	1330	E5.1	--	--	--	--	37	.5	.0	--	.09	.004	.023
MAR													
03...	1425	6.3	596	10.9	99	7.5	37	3.0	1.4	.10	.11	.005	.020
18...	1250	38	--	--	--	--	24	14.5	2.5	.11	.15	<.003	.018
APR													
08...	1235	66	--	--	--	--	18	11.5	3.5	--	.09	.004	.009
13...	1105	83	--	--	--	--	18	10.0	3.0	.12	.12	.005	.012
22...	1345	38	--	--	--	--	26	6.0	4.0	.11	.23	<.003	.013
26...	1445	80	--	--	--	--	21	19.0	6.5	.07	.16	.005	.015
MAY													
03...	1625	158	--	--	--	--	18	19.0	7.5	.11	.34	.005	.010
17...	1315	94	--	--	--	--	20	14.0	7.0	.10	.10	.004	.007
JUN													
02...	1010	89	601	9.1	96	7.4	21	21.0	7.4	.12	.09	.005	.005
14...	1400	42	--	--	--	--	24	20.5	12.0	.09	.10	.003	.005
JUL													
07...	1420	12	--	--	--	--	34	23.0	15.0	--	.11	.003	.005
AUG													
03...	1610	3.4	--	--	--	--	50	21.5	13.5	--	.11	.004	.022
SEP													
07...	1030	1.4	605	8.4	92	7.5	54	15.0	9.3	.09	.14	.007	.019

TRUCKEE RIVER BASIN, LAKE TAHOE

10336580 UPPER TRUCKEE RIVER AT SOUTH UPPER TRUCKEE ROAD NEAR MEYERS CA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
09...	.019	.029	.035	1	<.01
NOV					
04...	.015	.021	.025	2	.02
DEC					
05...	.018	.023	.039	6	E.08
JAN					
08...	.009	.013	.017	<1	E.02
FEB					
04...	.009	.017	.017	<1	E.01
MAR					
03...	.007	.018	.019	1	.02
18...	.003	.009	.013	3	.31
APR					
08...	.004	.010	.018	3	.53
13...	.003	.009	.013	9	2.0
22...	.007	.012	.015	4	.41
26...	.004	.008	.015	3	.65
MAY					
03...	.006	.011	.030	13	5.5
17...	.006	.015	.019	2	.51
JUN					
02...	.007	.013	.019	3	.72
14...	.009	.014	.021	1	.11
JUL					
07...	.013	.021	.034	3	.10
AUG					
03...	.021	.040	.049	1	.01
SEP					
07...	.022	.031	.044	3	.01

Remark codes used in this table:

< -- Less than
E -- Estimated value

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

10336608 ECHO LAKE NEAR PHILLIPS, CA

LOCATION.—Lat 38°50'05", long 120°02'36", in NE ¼ NE ¼ sec.1, T.11 N., R.17 E., El Dorado County, Hydrologic Unit 16050101, Eldorado National Forest, at right end of dam on Lower Echo Lake, near valve outlet to Echo Lake Conduit, and 2.0 mi northeast of Phillips.

DRAINAGE AREA.—4.84 mi².

PERIOD OF RECORD.—October 1991 to current year. Unpublished records for 1981–91 water years are available in files of the U.S. Geological Survey.

GAGE.—Water-stage recorder. Prior to Dec. 3, 1991, nonrecording gage read periodically. Elevation of gage is 7,414 ft above NGVD of 1929, from topographic map.

REMARKS.—Record not computed for the winter months. Reservoir is formed by concrete dam completed in 1922 and rebuilt in 1992; storage began in 1922. Usable capacity, 1,890 acre-ft, between gage heights 0.0 ft, spillway crest, and 6.0 ft, top of flashboards. Water is released via Echo Lake Conduit (station 11434500) to the South Fork American River for power and domestic use. Records from Dec. 3, 1991, including extremes, represent usable contents at 2400 hours. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

COOPERATION.—Records were collected by El Dorado Irrigation District, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 184.

Capacity table (gage height, in feet, and contents, in acre-feet)
(Based on survey by El Dorado Irrigation District in 2000)

0	0	2	631	4	1,279	6	1,943
1	315	3	955	5	1,611		

RESERVOIR STORAGE, ACRE FEET, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1190	230	---	---	---	---	---	---	1740	1930	1820	1630
2	1170	221	---	---	---	---	---	---	1780	1940	1810	1610
3	1140	233	---	---	---	---	---	---	1800	1940	1810	1600
4	1100	233	---	---	---	---	---	---	1810	1940	1790	1590
5	1080	205	---	---	---	---	---	---	1800	1930	1780	1580
6	1060	152	---	---	---	---	---	495	1790	1930	1780	1570
7	1030	117	---	---	---	---	---	657	1810	1930	1770	1540
8	1000	---	---	---	---	---	---	696	1820	1940	1760	1490
9	981	---	---	---	---	---	---	757	1840	1930	1760	1440
10	929	---	---	---	---	---	---	806	1820	1920	1750	1390
11	890	---	---	---	---	---	---	893	1830	1930	1750	1350
12	867	---	---	---	---	---	---	936	1850	1920	1740	1290
13	838	---	---	---	---	---	---	974	1870	1920	1740	1220
14	803	---	---	---	---	---	---	1010	1890	1910	1730	1170
15	764	---	---	---	---	---	---	1060	1900	1900	1730	1120
16	731	---	---	---	---	---	---	1120	1920	1900	1730	1080
17	702	---	---	---	---	---	---	1110	1930	1900	1720	1010
18	673	---	---	---	---	---	---	1210	1930	1890	1720	1020
19	634	---	---	---	---	---	---	1240	1940	1890	1710	1000
20	593	---	---	---	---	---	---	1280	1930	1890	1710	974
21	558	---	---	---	---	---	---	1330	1930	1880	1700	958
22	524	---	---	---	---	---	---	1370	1930	1880	1700	942
23	476	---	---	---	---	---	---	1380	1920	1880	1680	929
24	438	---	---	---	---	---	---	1410	1920	1880	1690	916
25	403	---	---	---	---	---	---	1450	1920	1870	1670	903
26	372	---	---	---	---	---	---	1490	1920	1870	1640	897
27	347	---	---	---	---	---	---	1570	1920	1860	1640	880
28	302	---	---	---	---	---	---	1720	1930	1860	1640	861
29	274	---	---	---	---	---	---	1730	1930	1850	1640	835
30	252	---	---	---	---	---	---	1730	1940	1840	1620	793
31	249	---	---	---	---	---	---	1730	---	1830	1620	---
MAX	1190	--	---	---	---	---	---	--	1940	1940	1820	1630
MIN	249	--	---	---	---	---	---	--	1740	1830	1620	793
a	0.79							5.35	5.98	5.66	5.03	2.50
b	-961								+210	-110	-210	-827
c	865	37	0	0	0	0	0	0	0	0	0	663

CAL YR 2003 c 1260
WTR YR 2004 b -417 c 1570

a Gage height, in feet, at end of month.
b Change in contents, in acre-feet.
c Release, in acre-feet, through Echo Lake Conduit (station 11434500), provided by El Dorado Irrigation District.

TRUCKEE RIVER BASIN, LAKE TAHOE

103366092 UPPER TRUCKEE RIVER AT HIGHWAY 50 ABOVE MEYERS CA

LOCATION.--Lat 38°50'55", long 120°01'34" referenced to North American Datum of 1927, in NE ¼ NE ¼ 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.--34.28 mi². Datum of gage is 6,310 ft., NVGD, from topographic map.

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records good except for estimated daily discharges, which are poor. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,120 ft³/s, January 2, 1997, gage height, 8.95 ft; minimum daily, 1.2 ft³/s, December 22, 1990.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
March 22	2100	235	5.59	May 28	0715	444	6.30
May 4	2245	*447	*6.31				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	5.4	7.3	e27	17	29	141	201	165	34	7.4	4.8
2	4.9	5.2	7.3	e26	e18	e27	121	247	157	33	7.1	4.8
3	4.9	5.6	7.1	e25	e18	e27	126	289	159	34	7.1	4.7
4	4.9	5.0	7.1	25	e19	28	153	326	155	31	6.9	4.8
5	5.0	16	12	22	20	27	177	351	147	30	6.8	4.8
6	4.9	23	28	21	20	26	177	267	140	e28	6.7	4.7
7	4.9	17	e27	22	20	28	162	190	129	e26	6.7	4.7
8	4.9	13	e25	22	19	32	170	200	107	e23	6.6	4.6
9	4.8	16	22	24	18	39	175	215	98	e21	6.4	4.4
10	4.8	14	e22	27	18	49	178	201	88	e18	6.3	4.2
11	4.9	12	e21	26	17	54	173	153	83	e17	6.1	4.1
12	4.8	10	21	25	17	58	185	131	79	e16	6.0	4.1
13	4.8	9.3	e21	23	17	61	187	135	78	e15	6.1	4.1
14	4.8	8.4	e21	22	17	71	161	154	80	e14	6.0	4.2
15	4.7	8.8	22	21	17	89	141	166	79	14	6.2	4.3
16	4.5	8.6	19	20	32	96	126	169	78	13	6.3	4.4
17	4.6	8.9	17	19	57	100	116	181	76	13	6.0	4.3
18	4.9	8.3	15	19	49	115	104	159	71	12	6.0	4.3
19	4.7	8.7	14	18	42	137	96	141	68	12	6.0	4.5
20	4.6	8.7	16	19	37	147	99	137	66	12	6.0	4.9
21	4.6	8.1	17	18	33	169	103	131	60	11	5.5	4.9
22	4.5	6.9	15	18	31	185	97	131	57	11	5.5	4.8
23	4.7	6.6	15	18	28	192	93	135	55	10	5.5	5.0
24	4.7	7.0	e17	18	27	184	108	132	49	9.9	5.6	4.5
25	4.6	6.9	e18	18	e27	164	133	129	43	e9.5	5.5	4.4
26	4.7	6.6	e20	17	e27	139	162	126	39	e9.1	5.4	4.6
27	4.6	6.4	e21	19	e27	117	199	144	37	e8.8	5.4	5.2
28	4.7	6.6	22	19	e27	111	230	301	33	8.6	5.3	4.8
29	4.6	7.3	e24	19	28	119	209	201	33	8.3	5.3	6.6
30	4.8	7.6	e25	19	---	139	183	177	34	7.8	5.1	6.0
31	5.0	---	27	18	---	146	---	172	---	7.7	4.8	---
TOTAL	147.6	281.9	572.8	654	744	2,905	4,485	5,792	2,543	517.7	187.6	140.5
MEAN	4.76	9.40	18.5	21.1	25.7	93.7	150	187	84.8	16.7	6.05	4.68
MAX	5.0	23	28	27	57	192	230	351	165	34	7.4	6.6
MIN	4.5	5.0	7.1	17	17	26	93	126	33	7.7	4.8	4.1
AC-FT	293	559	1,140	1,300	1,480	5,760	8,900	11,490	5,040	1,030	372	279

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	9.11	17.0	21.6	46.3	37.1	64.0	120	270	223	77.3	16.7	10.4
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)

TRUCKEE RIVER BASIN, LAKE TAHOE

103366092 UPPER TRUCKEE RIVER AT HIGHWAY 50 ABOVE MEYERS CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	23,213.0		18,971.1			
ANNUAL MEAN	63.6		51.8		77.5	
HIGHEST ANNUAL MEAN					169	1995
LOWEST ANNUAL MEAN					26.1	1994
HIGHEST DAILY MEAN	617	May 29	351	May 5	2,000	Jan 2, 1997
LOWEST DAILY MEAN	4.5	Oct 16	4.1	Sep 11	1.2	Dec 22, 1990
ANNUAL SEVEN-DAY MINIMUM	4.6	Oct 16	4.2	Sep 9	1.8	Dec 20, 1990
MAXIMUM PEAK FLOW			447	May 4	5,120	Jan 2, 1997
MAXIMUM PEAK STAGE			6.31	May 4	8.95	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	46,040		37,630		56,120	
10 PERCENT EXCEEDS	140		162		210	
50 PERCENT EXCEEDS	26		19		24	
90 PERCENT EXCEEDS	5.4		4.8		5.0	

e Estimated

TRUCKEE RIVER BASIN, LAKE TAHOE

103366092 UPPER TRUCKEE RIVER AT HIGHWAY 50 ABOVE MEYERS CA—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: September 1997 to September 2003, discontinued.

INSTRUMENTATION.--Water temperature recorder September 1997 to September 2003, 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 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, 21.0°C, July 14; minimum, freezing point on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
09...	1230	4.8	--	--	--	--	105	20.0	12.0	--	.11	.005	.007
NOV													
04...	1220	5.1	--	--	--	--	100	4.5	2.5	--	.08	<.003	.013
DEC													
05...	1235	11	602	11.1	109	7.7	86	7.0	4.5	.07	.10	<.003	.008
JAN													
09...	1450	25	--	--	--	--	54	8.0	.5	--	.09	.003	.019
FEB													
04...	1125	E19	--	--	--	--	56	.5	.0	--	.09	.003	.011
17...	1440	59	--	--	--	--	43	5.5	1.0	.11	.24	<.003	.019
MAR													
03...	1200	E27	604	11.4	102	7.5	58	4.5	1.2	.09	.12	.006	.014
18...	1025	102	--	--	--	--	42	14.5	2.0	.08	.15	<.003	.018
APR													
08...	1415	162	--	--	--	--	32	18.0	6.0	--	.11	.004	.013
13...	1245	177	--	--	--	--	29	9.5	4.5	.11	.14	.003	.013
22...	1155	95	--	--	--	--	40	4.5	4.5	.10	.16	<.003	.018
26...	1300	147	--	--	--	--	30	21.0	7.0	.06	.16	.005	.015
MAY													
03...	1455	243	--	--	--	--	22	23.0	8.5	.10	.18	<.003	.011
17...	1150	168	--	--	--	--	24	16.5	7.0	.09	.10	.004	.009
JUN													
02...	1200	140	605	8.2	93	7.4	26	22.0	10.6	.06	.23	.006	.005
14...	1220	76	--	--	--	--	32	19.0	12.5	.10	.14	.003	.008
JUL													
07...	1305	E26	--	--	--	--	54	25.0	17.5	--	.12	.003	.006
AUG													
03...	1350	7.1	--	--	--	--	91	22.5	18.5	--	.12	.004	.007
SEP													
07...	1300	4.7	609	8.4	104	7.6	105	20.5	14.6	.09	.17	.009	.015

TRUCKEE RIVER BASIN, LAKE TAHOE

103366092 UPPER TRUCKEE RIVER AT HIGHWAY 50 ABOVE MEYERS CA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
09...	.004	.012	.014	1	.01
NOV					
04...	.004	.011	.013	2	.03
DEC					
05...	.005	.009	.013	1	.03
JAN					
09...	.003	.008	.009	1	.07
FEB					
04...	.003	.009	.013	<1	E.05
17...	.002	.011	.023	5	.80
MAR					
03...	.002	.008	.012	1	E.07
18...	.002	.009	.015	4	1.1
APR					
08...	.002	.010	.018	3	1.3
13...	.002	.010	.018	6	2.9
22...	.003	.008	.012	2	.51
26...	.003	.007	.014	6	2.4
MAY					
03...	.003	.008	.025	13	8.5
17...	.004	.012	.018	4	1.8
JUN					
02...	.004	.012	.018	5	1.9
14...	.005	.012	.018	10	2.0
JUL					
07...	.005	.015	.020	1	E.07
AUG					
03...	.004	.024	.027	3	.06
SEP					
07...	.003	.013	.032	5	.06

Remark codes used in this table:

< -- Less than

E -- Estimated value

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

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

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1972 - 2004	
ANNUAL TOTAL	30,027.0		22,114.3			
ANNUAL MEAN	82.3		60.4		98.9	
HIGHEST ANNUAL MEAN					203	1983
LOWEST ANNUAL MEAN					29.2	1988
HIGHEST DAILY MEAN	676	May 30	340	May 5	3,150	Jan 2, 1997
LOWEST DAILY MEAN	4.0	Aug 29	1.2	Sep 19	0.01	Sep 6, 2001
ANNUAL SEVEN-DAY MINIMUM	4.2	Aug 25	1.3	Sep 9	0.11	Sep 5, 2001
MAXIMUM PEAK FLOW			390	May 28	5,480	Jan 2, 1997
MAXIMUM PEAK STAGE			3.63	May 28	9.95	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	59,560		43,860		71,680	
10 PERCENT EXCEEDS	195		184		264	
50 PERCENT EXCEEDS	36		22		37	
90 PERCENT EXCEEDS	5.5		2.7		6.5	

e Estimated

TRUCKEE RIVER BASIN, LAKE TAHOE

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 September 2003, discontinued.

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 September 2003, 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 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water, fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)
OCT													
09...	1045	5.3	--	--	--	113	18.0	11.6	--	.20	.004	.022	.004
NOV													
04...	1015	7.3	--	--	--	106	2.0	1.5	--	.12	<.003	.030	.006
DEC													
05...	1020	11	604	10.2	7.6	115	8.0	4.0	.11	.18	.003	.013	.007
JAN													
07...	1600	E24	--	--	--	74	3.0	.0	--	.17	.004	.026	.004
FEB													
04...	0935	34	--	--	--	70	-2.0	.0	--	.10	<.003	.028	.004
17...	1150	95	--	--	--	62	2.5	1.0	--	.36	.003	.036	.006
MAR													
03...	0945	38	605	11.2	7.3	71	1.0	.1	.13	.15	.008	.025	.004
08...	1150	56	--	--	--	83	9.0	4.0	.15	.19	.003	.029	.004
15...	1050	126	--	--	--	61	8.5	3.5	.17	.27	<.003	.033	.004
22...	1135	215	--	--	--	44	10.5	3.5	.16	.32	<.003	.038	.003
30...	1525	159	--	--	--	51	13.5	8.5	.17	.16	<.003	.023	.003
APR													
08...	1610	183	--	--	--	38	19.5	8.5	--	.15	.003	.015	.003
13...	1610	191	--	--	--	34	9.5	8.0	.13	.19	.003	.013	.002
22...	1010	126	--	--	--	47	2.5	4.0	.14	.14	<.003	.015	.004
26...	1120	175	--	--	--	33	14.0	6.0	.09	.18	.005	.015	.003
MAY													
03...	1315	280	--	--	--	23	19.5	8.0	.10	.23	<.003	.013	.003
06...	1200	324	--	--	--	20	19.0	6.0	.11	.25	<.003	.012	.003
17...	1010	217	--	--	--	26	12.5	7.0	.13	.16	.005	.010	.005
21...	1210	168	--	--	--	32	10.0	8.0	.09	.12	.003	.011	.004
JUN													
02...	1425	E159	608	7.6	7.4	27	22.5	14.2	.13	.17	.010	.009	.004
14...	1045	95	--	--	--	35	16.0	11.5	.09	.11	.003	.007	.004
30...	1520	40	--	--	--	54	12.0	14.0	--	.23	.003	.024	.007
JUL													
07...	1110	29	--	--	--	59	23.0	17.5	--	.13	.004	.009	.005
AUG													
03...	1120	6.7	--	--	--	99	17.0	16.0	--	.13	.003	.022	.004
SEP													
07...	1450	2.3	610	10.1	8.7	111	29.5	20.0	.17	.24	.006	.014	.005

TRUCKEE RIVER BASIN, LAKE TAHOE

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT				
09...	.012	.017	1	.01
NOV				
04...	.013	.017	1	.02
DEC				
05...	.014	.026	7	.21
JAN				
07...	.026	.026	3	E.19
FEB				
04...	.011	.018	<1	<.09
17...	.018	.054	20	5.1
MAR				
03...	.009	.019	5	.51
08...	.010	.021	2	.30
15...	.013	.034	13	4.4
22...	.010	.038	23	13
30...	.011	.019	7	3.0
APR				
08...	.009	.021	9	4.5
13...	.009	.018	11	5.7
22...	.009	.014	3	1.0
26...	.007	.018	10	4.7
MAY				
03...	.008	.035	25	19
06...	.009	.035	32	28
17...	.011	.021	10	5.9
21...	.013	.023	3	1.4
JUN				
02...	.011	.019	9	E3.9
14...	.010	.017	3	.77
30...	.017	.036	15	1.6
JUL				
07...	.014	.020	2	.16
AUG				
03...	.025	.031	3	.05
SEP				
07...	.015	.030	5	.03

Remark codes used in this table:

< -- Less than

E -- Estimated value

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE
10336645 GENERAL CREEK NEAR MEEKS BAY, CA

LOCATION.—Lat 39°03'07", long 120°07'03", in NE ¼ NE ¼ 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 mi².

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, which are fair. No known diversion or regulation upstream from station. [See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 797 ft³/s, Jan. 2, 1997, gage height, 7.86 ft (backwater from plugged culvert), from rating curve extended above 180 ft³/s, on basis of computation of flow through culvert; minimum daily, 0.29 ft³/s, July 28, Aug. 15, 1994.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 100 ft³/s, or maximum:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 13	0200	102	2.15	May 4	2230	167	2.40

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.99	1.7	1.5	e2.2	e2.9	5.9	40	59	17	2.1	0.95	0.87
2	0.98	1.6	1.6	e2.2	e3.0	6.0	34	78	15	2.0	0.94	0.88
3	0.90	1.6	1.4	e2.0	e2.8	5.9	34	91	14	1.9	0.95	0.91
4	0.88	1.3	1.4	e2.0	e2.6	5.8	46	100	12	1.6	0.95	0.92
5	0.87	1.3	1.7	e2.2	e2.6	6.2	61	101	11	1.5	0.94	0.90
6	0.86	1.3	3.3	e2.0	e2.8	6.4	62	74	9.3	1.5	0.94	0.89
7	0.86	1.4	3.2	e2.2	e2.8	7.0	57	56	8.6	1.4	0.91	0.88
8	0.81	1.5	1.9	3.3	e2.8	7.9	67	59	7.8	1.4	0.90	0.88
9	0.83	1.7	1.6	3.8	e2.9	9.2	65	54	7.9	1.3	0.90	0.87
10	0.89	1.4	1.7	3.6	e2.7	11	63	47	7.6	1.3	0.88	0.87
11	0.98	1.3	1.9	3.4	e2.6	13	58	32	6.7	1.3	0.86	0.87
12	0.98	1.4	1.4	3.3	e2.9	14	66	27	6.1	1.2	0.87	0.86
13	0.99	1.4	e1.4	3.2	e2.8	15	69	32	5.5	1.2	0.88	0.86
14	0.93	1.3	e1.9	3.2	e2.6	17	51	40	5.1	1.2	0.87	0.84
15	0.83	1.4	1.9	3.2	3.2	20	42	41	4.8	1.1	0.87	0.85
16	0.86	1.3	1.7	3.2	5.9	23	35	39	4.5	1.1	0.89	0.84
17	0.88	1.4	1.7	3.2	13	24	30	41	4.1	1.1	0.89	0.85
18	0.89	1.4	1.7	3.2	11	28	26	36	3.9	1.1	0.88	0.87
19	0.90	1.4	1.8	3.2	9.1	37	26	30	3.6	1.1	0.87	0.93
20	0.92	1.4	2.1	3.2	7.2	42	26	29	3.3	1.1	0.89	0.98
21	0.95	1.3	2.4	3.0	6.8	48	26	28	3.1	1.0	0.89	0.90
22	0.98	1.2	2.1	e3.0	6.6	54	24	30	2.8	1.0	0.92	0.88
23	1.0	1.2	2.1	e3.2	e6.1	62	24	28	2.4	0.99	0.94	0.87
24	1.0	1.2	e3.8	3.1	e6.5	57	31	25	2.2	0.98	0.92	0.86
25	1.0	1.3	e3.1	2.9	e7.0	46	44	23	2.0	0.99	0.90	0.85
26	0.94	1.3	e2.7	e3.0	e8.0	36	62	22	2.0	0.99	0.90	0.85
27	0.97	1.3	e2.5	2.9	e9.4	28	83	24	1.9	0.98	0.89	0.84
28	0.98	1.3	e2.2	2.9	10	27	86	41	1.8	0.98	0.89	0.79
29	0.99	1.5	e2.4	2.9	6.7	29	62	28	1.8	0.97	0.90	0.82
30	1.1	1.4	e2.2	e3.0	---	36	49	21	2.0	0.97	0.89	0.85
31	1.4	---	e2.2	e2.8	---	42	---	19	---	0.96	0.88	---
TOTAL	29.34	41.5	64.5	90.5	155.3	769.3	1449	1355	179.8	38.31	27.95	26.13
MEAN	0.95	1.38	2.08	2.92	5.36	24.8	48.3	43.7	5.99	1.24	0.90	0.87
MAX	1.4	1.7	3.8	3.8	13	62	86	101	17	2.1	0.95	0.98
MIN	0.81	1.2	1.4	2.0	2.6	5.8	24	19	1.8	0.96	0.86	0.79
AC-FT	58	82	128	180	308	1530	2870	2690	357	76	55	52

e Estimated.

TRUCKEE RIVER BASIN, LAKE TAHOE

10336645 GENERAL CREEK NEAR MEEKS BAY, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1.99	6.15	8.18	9.34	12.0	18.3	38.1	62.6	34.0	6.17	1.31	1.30
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1980 - 2004	
ANNUAL TOTAL	5501.59		4226.63			
ANNUAL MEAN	15.1		11.5		16.6	
HIGHEST ANNUAL MEAN					34.7 1982	
LOWEST ANNUAL MEAN					4.96 1988	
HIGHEST DAILY MEAN	168	May 28	101	May 5	600	Jan 1 1997
LOWEST DAILY MEAN	0.81	Oct 8	0.79	Sep 28	0.29	Jul 28 1994
ANNUAL SEVEN-DAY MINIMUM	0.86	Oct 4	0.84	Sep 24	0.31	Aug 15 1994
MAXIMUM PEAK FLOW			167	May 4	797	Jan 2 1997
MAXIMUM PEAK STAGE			2.40	May 4	7.86	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	10910		8380		12040	
10 PERCENT EXCEEDS	29		41		50	
50 PERCENT EXCEEDS	3.7		2.2		3.2	
90 PERCENT EXCEEDS	0.94		0.88		0.84	

TRUCKEE RIVER BASIN, LAKE TAHOE
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 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Specific conductance, wat un f uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)
OCT													
22...	1515	1.0	610	8.6	90	63	21.0	7.5	--	.08	.003	.004	.012
NOV													
28...	1545	1.3	608	10.5	95	61	6.5	2.0	--	.09	.003	.002	.009
DEC													
06...	1535	3.2	--	--	--	57	2.8	3.0	.16	.24	.003	.006	.010
18...	1150	1.8	610	11.0	94	55	3.0	.1	.12	.09	.005	.003	.006
JAN													
22...	1600	E3.0	610	11.4	98	46	-.5	.0	--	.11	.005	.004	.006
FEB													
17...	1740	15	--	--	--	29	4.5	.5	.18	.21	.004	.029	.006
MAR													
11...	1750	13	605	10.8	99	30	2.0	2.0	.13	.19	.004	.003	.001
18...	1750	28	--	--	--	25	.5	1.5	.18	.19	.003	.008	.001
22...	2030	59	--	--	--	20	1.0	1.0	.16	.27	.004	.006	.002
APR													
06...	2230	58	--	--	--	17	-.5	2.0	.12	.14	.003	.005	.002
12...	2055	72	605	10.4	100	17	5.0	4.0	.09	.13	<.003	.004	.001
21...	1450	26	--	--	--	22	6.0	5.5	--	.10	<.003	.005	.003
27...	2105	133	--	--	--	13	6.5	3.5	.10	.27	.005	.007	.003
28...	1450	59	--	--	--	14	13.0	5.8	.08	.17	.004	.005	.002
MAY													
04...	0850	76	--	--	--	12	11.5	2.5	.12	.11	.004	.002	.001
05...	2015	135	605	9.8	99	11	--	6.0	.07	.19	.005	.002	.002
13...	1800	28	608	9.4	100	16	16.5	8.0	.09	.09	.005	.003	.003
20...	1025	29	--	--	--	15	11.0	6.5	.10	.09	.003	.003	.002
31...	1345	19	--	--	--	18	22.5	11.2	.10	.08	.004	.002	.002
JUN													
11...	1035	7.0	607	9.0	99	27	--	9.5	.10	.12	.007	.002	.005
JUL													
15...	1535	1.1	610	7.0	95	50	24.0	19.0	--	.10	<.003	.003	.016
AUG													
16...	1815	.84	609	6.8	88	57	20.8	16.5	--	.11	.003	.008	.022
SEP													
17...	1720	.84	602	--	--	63	16.0	14.0	.08	.11	.005	.006	.018

TRUCKEE RIVER BASIN, LAKE TAHOE

10336645 GENERAL CREEK NEAR MEEKS BAY CA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT				
22...	.024	.022	<1	<.01
NOV				
28...	.012	.018	1	<.01
DEC				
06...	.022	.032	3	.03
18...	.013	.017	1	<.01
JAN				
22...	.013	.019	1	E.01
FEB				
17...	.011	.025	8	.32
MAR				
11...	.007	.010	2	.07
18...	.007	.021	11	.83
22...	.007	.024	8	1.3
APR				
06...	.006	.008	4	.63
12...	.005	.009	3	.58
21...	.006	.008	2	.14
27...	.007	.071	94	34
28...	.005	.012	11	1.8
MAY				
04...	.005	.011	10	2.0
05...	.005	.014	22	8.0
13...	.006	.010	5	.38
20...	.005	.009	4	.31
31...	.007	.014	3	.15
JUN				
11...	.010	.011	3	.06
JUL				
15...	.025	.027	1	<.01
AUG				
16...	.025	.032	2	<.01
SEP				
17...	.026	.032	5	.01

Remark codes used in this table:

< -- Less than

E -- Estimated value

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

10336660 BLACKWOOD CREEK NEAR TAHOE CITY, CA

LOCATION.—Lat 39°06'27", long 120°09'40", in NW ¼ NE ¼ 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 mi².

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. Oct. 1, 1960, to Sept. 30, 1964, at datum 10.25 ft lower and Oct. 1, 1964, to Aug. 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 Truckee River Basin, Lake Tahoe and Truckee River Basin](#).

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 2,940 ft³/s, Jan. 1, 1997, gage height, 9.82 ft, maximum gage height, 9.90 ft, site and datum then in use, Dec. 22, 1964; minimum daily, 0.50 ft³/s, Sept. 24, 1968.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 200 ft³/s, or maximum:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 4	2015	242	2.62

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	e2.2	3.6	4.0	4.8	12	59	116	88	18	3.5	1.8
2	2.1	2.7	4.1	e4.2	e5.0	11	54	137	88	17	3.4	1.7
3	2.1	2.8	3.9	e4.4	e5.0	11	59	158	85	17	3.3	1.8
4	2.1	2.7	3.8	e4.6	e4.8	11	76	180	77	16	3.1	1.8
5	2.1	2.6	5.0	e4.8	e4.6	12	97	180	70	15	3.0	1.8
6	2.1	2.6	e9.9	e5.0	e4.4	12	98	159	69	14	2.9	1.8
7	2.2	2.8	9.9	e5.2	e4.2	12	90	141	64	13	2.7	1.8
8	2.1	2.7	5.2	e5.4	e4.0	13	99	141	54	13	2.6	1.7
9	2.1	2.8	4.2	5.5	4.1	16	100	133	49	12	2.4	1.7
10	2.2	2.2	e3.2	5.4	e4.1	19	99	117	45	11	2.3	1.7
11	2.2	2.1	e3.5	5.3	e4.0	21	96	90	43	10	2.3	1.7
12	2.3	2.0	3.7	5.2	e4.0	22	102	75	43	9.8	2.3	1.7
13	2.2	2.1	4.3	5.1	e4.0	25	103	78	43	9.0	2.2	1.6
14	2.2	2.3	e4.4	5.1	4.0	29	87	89	44	8.7	2.2	1.6
15	2.1	2.5	e4.4	5.2	4.3	33	76	98	44	8.1	2.4	1.6
16	2.0	2.2	4.4	5.2	7.7	31	64	103	43	7.8	2.3	1.6
17	2.0	2.6	3.7	5.1	e14	33	57	108	41	7.4	2.2	1.5
18	1.9	2.6	3.8	5.1	e11	41	52	96	39	7.0	2.2	1.5
19	1.9	2.7	3.9	5.2	e10	52	49	86	37	6.8	2.1	1.6
20	1.8	3.0	4.6	5.2	e8.1	56	50	83	34	6.5	2.1	1.7
21	1.7	3.0	5.0	5.3	e7.5	77	50	76	31	6.3	2.1	1.6
22	1.6	2.7	4.7	e5.2	e7.1	88	48	78	30	5.8	2.2	1.6
23	1.7	e2.7	4.7	e5.1	e7.0	103	48	81	29	5.6	2.2	1.6
24	1.6	2.6	6.5	5.1	e7.3	93	54	77	27	5.2	2.2	1.5
25	1.6	2.6	e5.0	5.1	e7.9	72	65	76	25	4.9	2.1	1.4
26	1.6	2.7	e4.7	e5.1	e9.1	55	85	77	23	4.7	2.1	1.4
27	1.5	e2.8	e4.5	5.1	e10	49	115	94	22	4.5	2.0	1.4
28	1.5	2.9	e4.3	e5.0	10	47	134	138	20	4.4	1.9	1.4
29	1.6	3.2	e4.1	4.8	11	50	119	99	19	4.0	1.9	1.4
30	1.8	3.4	e4.1	4.9	---	59	106	91	19	3.8	1.8	1.4
31	e1.9	---	e4.0	e4.8	---	62	---	89	---	3.6	1.8	---
TOTAL	59.8	78.8	145.1	155.7	193.0	1227	2391	3344	1345	279.9	73.8	48.4
MEAN	1.93	2.63	4.68	5.02	6.66	39.6	79.7	108	44.8	9.03	2.38	1.61
MAX	2.3	3.4	9.9	5.5	14	103	134	180	88	18	3.5	1.8
MIN	1.5	2.0	3.2	4.0	4.0	11	48	75	19	3.6	1.8	1.4
AC-FT	119	156	288	309	383	2430	4740	6630	2670	555	146	96

e Estimated.

TRUCKEE RIVER BASIN, LAKE TAHOE

10336660 BLACKWOOD CREEK NEAR TAHOE CITY, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4.60	11.9	18.8	24.3	20.7	30.5	61.2	127	98.9	27.9	5.54	2.79
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 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1961 - 2004
ANNUAL TOTAL	11408.0	9341.5	
ANNUAL MEAN	31.3	25.5	36.2
HIGHEST ANNUAL MEAN			73.4 1982
LOWEST ANNUAL MEAN			8.71 1977
HIGHEST DAILY MEAN	274 May 28	180 May 4	2000 Jan 1 1997
LOWEST DAILY MEAN	1.5 Oct 27	1.4 Sep 25	0.50 Sep 24 1968
ANNUAL SEVEN-DAY MINIMUM	1.6 Oct 22	1.4 Sep 24	0.54 Sep 23 1968
MAXIMUM PEAK FLOW		242 May 4	2940 Jan 1 1997
MAXIMUM PEAK STAGE		2.62 May 4	9.90 Dec 22 1964
ANNUAL RUNOFF (AC-FT)	22630	18530	26250
10 PERCENT EXCEEDS	87	88	105
50 PERCENT EXCEEDS	10	5.1	9.9
90 PERCENT EXCEEDS	2.2	1.8	2.1

TRUCKEE RIVER BASIN, LAKE TAHOE

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 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Specific conductance, wat un f uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)
OCT													
22...	1415	1.7	611	8.9	99	80	21.5	10.0	--	.06	.004	.003	.008
NOV													
28...	1445	2.8	608	10.3	99	76	7.5	4.0	--	.05	.003	.002	.006
DEC													
06...	1430	E9.9	--	--	--	54	2.5	2.5	.11	.28	<.003	.036	.005
19...	1605	3.9	605	10.6	98	68	.5	2.5	.07	.05	.006	.004	.003
JAN													
22...	1445	E5.2	610	11.4	98	64	1.0	.0	--	.07	.003	.002	.006
FEB													
17...	1325	E14	--	--	--	47	3.0	1.0	.13	.15	.007	.071	.005
MAR													
11...	1630	21	606	9.9	101	54	4.5	6.2	.10	.12	.005	.004	.004
18...	1850	55	--	--	--	44	2.0	2.5	.08	.27	<.003	.017	.001
22...	1930	117	--	--	--	41	2.0	2.0	.21	.24	.005	.037	.001
APR													
06...	2130	98	--	--	--	42	.5	2.5	.05	.12	<.003	.026	.001
12...	1945	119	606	10.4	100	40	6.0	4.0	.07	.14	<.003	.029	.001
21...	1355	50	--	--	--	49	2.5	7.0	--	.06	<.003	.012	.003
27...	2000	154	--	--	--	35	6.5	3.5	.09	.16	.007	.043	.002
28...	1400	114	--	--	--	39	13.5	8.3	.06	.39	.004	.042	.002
MAY													
04...	0720	155	--	--	--	34	2.0	2.5	.08	.14	.004	.038	.002
05...	1935	217	605	10.4	103	30	11.2	5.0	.07	.28	.004	.026	.002
13...	1710	79	608	9.0	101	39	15.5	10.2	.09	.08	.004	.014	.002
20...	0940	79	--	--	--	36	8.0	4.5	.10	.08	.004	.012	.001
31...	1255	75	--	--	--	33	18.5	9.0	.07	.07	.003	.004	.002
JUN													
10...	1610	43	609	8.4	100	38	16.5	13.0	.04	.11	.005	.002	.004
JUL													
15...	1430	8.1	612	7.2	99	57	24.0	20.0	--	.08	<.003	.003	.007
AUG													
16...	1715	2.1	609	7.8	104	69	21.8	18.0	--	.10	.004	.005	.010
SEP													
17...	1625	1.6	603	8.1	100	79	17.0	14.0	.08	.10	.005	.002	.007

TRUCKEE RIVER BASIN, LAKE TAHOE

10336660 BLACKWOOD CREEK NEAR TAHOE CITY, CA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT				
22...	.018	.017	2	.01
NOV				
28...	.009	.016	1	.01
DEC				
06...	.017	.049	24	E.64
19...	.010	.013	1	.01
JAN				
22...	.016	.013	2	E.03
FEB				
17...	.011	.029	11	E.42
MAR				
11...	.013	.018	4	.23
18...	.009	.059	52	7.7
22...	.007	.047	37	12
APR				
06...	.008	.020	8	2.1
12...	.009	.023	15	4.8
21...	.008	.011	3	.41
27...	.007	.112	111	46
28...	.008	.017	11	3.4
MAY				
04...	.007	.030	22	9.2
05...	.008	.055	63	37
13...	.015	.015	7	1.5
20...	.013	.013	3	.64
31...	.008	.013	4	.81
JUN				
10...	.010	.016	4	.46
JUL				
15...	.020	.021	2	.04
AUG				
16...	.015	.018	1	.01
SEP				
17...	.015	.018	4	.02

Remark codes used in this table:

< -- Less than

E -- Estimated value

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

10336674 WARD CREEK BELOW CONFLUENCE, NEAR TAHOE CITY, CA

LOCATION.—Lat 39°08'27", long 120°12'40", in SE ¼ SE ¼ 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 mi².

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 Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 1,220 ft³/s, Jan. 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 ft³/s, or maximum:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 5	1845	52	4.39	May 28	0530	90	4.69
May 4	1645	130	4.93				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.24	0.31	0.52	e1.5	1.3	2.6	22	48	45	15	0.94	0.21
2	0.25	0.52	0.66	e1.3	1.4	2.4	19	61	44	13	0.90	0.20
3	0.26	0.49	0.64	e1.2	1.3	2.4	22	72	43	11	0.84	0.23
4	0.26	0.50	0.56	1.2	1.2	2.4	29	87	41	10	0.81	0.24
5	0.27	0.54	e0.96	1.2	1.2	2.4	37	87	38	9.3	0.83	0.23
6	0.27	0.59	e2.9	1.2	1.2	2.6	34	73	38	8.5	0.77	0.21
7	0.26	0.61	e2.4	1.2	1.2	3.1	33	64	35	7.9	0.73	0.20
8	0.25	0.61	e1.5	1.6	1.2	4.0	36	63	31	7.1	0.67	0.18
9	0.24	0.69	e1.1	1.7	1.2	4.9	37	57	28	6.4	0.62	0.17
10	0.26	0.64	e1.3	1.5	1.2	6.3	36	45	26	6.0	0.58	0.16
11	0.29	0.71	1.5	1.4	1.2	7.2	35	35	24	5.4	0.55	0.14
12	0.28	0.67	1.3	1.4	1.2	8.3	38	32	24	4.8	0.54	0.13
13	0.28	0.58	e1.2	1.4	1.2	9.7	36	36	24	4.2	0.51	0.15
14	0.27	0.58	e1.2	1.4	1.2	12	31	41	26	3.8	0.49	0.17
15	0.26	0.61	1.3	1.4	1.2	15	28	43	26	3.5	0.51	0.17
16	0.27	0.58	1.2	1.4	6.5	16	24	45	25	3.2	0.44	0.17
17	0.27	0.72	1.2	1.3	12	16	22	48	25	2.9	0.40	0.18
18	0.26	0.92	1.1	1.4	5.5	18	19	43	24	2.7	0.38	0.20
19	0.26	0.99	1.2	1.3	4.3	22	18	41	23	2.5	0.36	0.29
20	0.25	0.75	1.9	1.4	3.8	23	17	40	21	2.3	0.35	0.37
21	0.25	0.60	1.7	1.4	3.5	27	16	37	19	2.1	0.33	0.35
22	0.25	0.58	1.5	1.3	3.2	29	15	39	19	1.9	0.36	0.33
23	0.25	0.54	1.4	1.3	3.1	32	17	39	18	1.8	0.38	0.30
24	0.27	0.47	2.1	1.3	2.9	31	21	38	17	1.6	0.38	0.27
25	0.27	0.42	1.9	1.3	e2.8	25	27	37	16	1.5	0.35	0.24
26	0.27	0.41	1.6	1.3	e2.7	19	36	38	14	1.4	0.35	0.23
27	0.27	0.44	1.4	1.3	2.6	17	51	48	13	1.4	0.37	0.23
28	0.27	0.40	1.4	1.2	2.6	17	55	64	13	1.3	0.32	0.22
29	0.27	0.67	e1.3	1.2	2.6	19	43	46	12	1.2	0.26	0.24
30	0.34	0.53	e1.3	1.4	---	23	42	45	12	1.1	0.24	0.27
31	0.29	---	e1.5	1.3	---	24	---	45	---	1.0	0.23	---
TOTAL	8.25	17.67	42.74	41.7	76.5	443.3	896	1537	764	145.8	15.79	6.68
MEAN	0.27	0.59	1.38	1.35	2.64	14.3	29.9	49.6	25.5	4.70	0.51	0.22
MAX	0.34	0.99	2.9	1.7	12	32	55	87	45	15	0.94	0.37
MIN	0.24	0.31	0.52	1.2	1.2	2.4	15	32	12	1.0	0.23	0.13
AC-FT	16	35	85	83	152	879	1780	3050	1520	289	31	13

e Estimated.

TRUCKEE RIVER BASIN, LAKE TAHOE

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	0.61	1.69	4.33	9.46	6.71	11.8	26.0	59.8	50.7	17.5	2.48	0.58
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	12.6	20.5	3.67	0.81	0.02	0.01
(WY)	1993	1996	1995	1992	1994	1994	2003	1992	1992	1994	1992	1992

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1992 - 2004
ANNUAL TOTAL	5347.17	3995.43	
ANNUAL MEAN	14.6	10.9	16.0
HIGHEST ANNUAL MEAN			29.0 1995
LOWEST ANNUAL MEAN			5.56 1992
HIGHEST DAILY MEAN	146 May 29	87 May 4	720 Jan 2 1997
LOWEST DAILY MEAN	0.19 Sep 27	0.13 Sep 12	0.00 Aug 21 1992
ANNUAL SEVEN-DAY MINIMUM	0.20 Sep 23	0.16 Sep 9	0.00 Sep 9 1992
MAXIMUM PEAK FLOW		130 May 4	1220 Jan 1 1997
MAXIMUM PEAK STAGE		4.93 May 4	8.85 Jan 1 1997
ANNUAL RUNOFF (AC-FT)	10610	7920	11590
10 PERCENT EXCEEDS	45	38	48
50 PERCENT EXCEEDS	4.1	1.4	3.2
90 PERCENT EXCEEDS	0.27	0.26	0.36

TRUCKEE RIVER BASIN, LAKE TAHOE

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 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, wat unf 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT														
22...	1150	.27	49	21.1	7.0	--	.06	.004	.002	.003	.012	.012	<1	<.01
NOV														
28...	1130	.40	48	8.5	1.5	--	.07	.003	<.002	.003	.006	.008	1	<.01
DEC														
19...	1240	1.2	47	3.5	1.9	.05	.16	.003	.018	.001	.007	.008	1	<.01
JAN														
22...	1130	1.3	46	.0	1.0	--	.09	.003	.020	.004	.012	.017	1	<.01
FEB														
17...	1535	8.9	39	4.5	.5	.13	.18	.004	.059	.004	.010	.018	6	.14
MAR														
11...	1150	6.5	43	11.0	2.0	.07	.08	.005	.014	.001	.009	.010	1	.02
18...	1615	21	36	11.0	1.0	.07	.18	.003	.023	.001	.007	.043	31	1.8
APR														
06...	1905	35	32	3.5	1.5	.06	.11	<.003	.021	.002	.008	.013	5	.47
12...	1650	40	30	11.0	2.5	.04	.08	<.003	.019	.002	.008	.014	5	.54
27...	1720	81	26	15.0	1.5	.08	.20	.006	.033	.004	.008	.090	125	27
28...	1155	40	30	12.5	3.5	.07	.15	.004	.033	.002	.006	.011	2	.22
MAY														
04...	1030	56	28	15.5	3.0	.06	.13	.004	.019	.001	.009	.014	4	.60
05...	1705	114	24	13.5	3.0	.09	.15	.005	.019	.002	.011	.042	34	10
13...	1450	35	29	15.0	6.0	.05	.13	.005	.015	.002	.009	.022	5	.47
31...	1035	38	28	18.0	5.5	.09	.06	.005	.008	.003	.008	.015	2	.21
JUN														
10...	1155	24	30	11.0	7.0	.06	.18	.007	.002	.004	.012	.013	2	.13
JUL														
15...	1150	3.6	37	22.0	12.0	--	.06	<.003	.003	.004	.014	.015	1	.01
AUG														
16...	1400	.46	43	--	16.0	--	.07	.003	.006	.004	.010	.010	1	<.01
SEP														
17...	1320	.17	72	19.5	14.0	.08	.10	.007	.002	.004	.011	.015	2	<.01

Remark codes used in this table:

< -- Less than

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

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

LOCATION.—Lat 39°07'56", long 120°09'24", in NW ¼ SE ¼ 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 mi².

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 diversion for local water supply upstream from station. [See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 2,530 ft³/s, Jan. 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 ft³/s, or maximum:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 27	1915	137	5.37	May 4	1830	198	5.58

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.43	e0.95	1.4	e2.1	2.7	e4.1	40	84	62	15	1.5	0.74
2	0.45	1.1	1.7	e2.1	3.3	e4.1	35	102	62	14	1.5	0.71
3	0.48	1.1	1.6	e2.1	3.4	e4.2	40	121	61	12	1.5	0.82
4	0.49	1.0	1.6	e3.1	2.8	5.0	53	139	57	10	1.4	0.88
5	0.50	1.1	3.2	e2.8	3.0	4.9	67	138	54	9.3	1.4	0.89
6	0.46	1.1	e4.7	e3.8	2.9	5.2	65	119	53	8.6	1.3	0.85
7	0.45	1.2	e5.7	e4.5	3.3	5.9	62	103	50	8.0	1.3	0.82
8	0.43	1.3	e4.4	e4.5	3.6	6.9	68	100	44	7.2	1.2	0.80
9	0.43	1.5	3.5	e4.2	3.4	8.5	70	91	40	6.6	1.1	0.83
10	0.52	1.3	e4.1	e4.5	3.4	10	68	76	35	6.1	1.1	0.79
11	0.58	1.2	e3.7	e3.8	3.8	12	67	63	33	5.6	1.0	0.74
12	0.59	1.3	e3.4	e3.5	4.0	13	72	55	31	5.0	1.0	0.74
13	0.59	1.3	e3.4	3.1	4.2	15	73	57	32	4.5	1.0	0.77
14	0.61	1.2	e3.4	2.9	3.4	18	61	62	33	4.2	0.97	0.89
15	0.60	1.4	e3.1	2.8	2.8	25	53	65	33	4.0	0.99	0.98
16	0.60	1.3	e3.7	2.8	e6.3	27	46	67	33	3.7	1.0	0.97
17	0.62	1.3	e3.1	2.9	e11	28	41	70	32	3.4	0.97	0.97
18	0.62	1.4	e3.1	2.8	e9.3	34	35	64	30	3.2	0.91	1.0
19	0.66	1.6	2.8	2.8	e7.4	42	32	60	28	3.0	0.87	1.2
20	0.65	1.7	3.5	2.8	e6.5	44	34	58	26	2.8	0.85	1.4
21	0.64	1.5	3.1	2.8	6.4	53	33	55	24	2.6	0.83	1.5
22	0.64	1.4	2.7	2.8	5.9	56	31	56	23	2.5	0.90	1.5
23	0.66	1.4	2.5	2.8	5.6	62	33	56	21	2.3	0.94	1.4
24	0.69	1.3	5.4	2.8	5.5	57	41	54	19	2.2	0.93	1.4
25	0.70	1.2	e5.6	2.8	e5.4	46	51	53	18	2.1	0.88	1.4
26	0.70	1.3	4.8	2.7	e5.2	35	66	54	16	2.0	0.87	1.4
27	0.72	1.6	e4.5	2.7	e4.8	30	89	66	15	1.9	0.84	1.3
28	0.76	1.4	e3.8	2.6	e4.3	29	100	95	13	1.8	0.82	1.3
29	0.75	1.4	e2.8	2.6	e4.2	33	81	68	13	1.7	0.77	1.3
30	0.83	1.4	e3.1	2.7	---	42	75	63	12	1.7	0.74	1.3
31	e0.85	---	e3.5	2.6	---	44	---	63	---	1.6	0.79	---
TOTAL	18.70	39.25	106.9	93.8	137.8	803.8	1682	2377	1003	158.6	32.17	31.59
MEAN	0.60	1.31	3.45	3.03	4.75	25.9	56.1	76.7	33.4	5.12	1.04	1.05
MAX	0.85	1.7	5.7	4.5	11	62	100	139	62	15	1.5	1.5
MIN	0.43	0.95	1.4	2.1	2.7	4.1	31	53	12	1.6	0.74	0.71
AC-FT	37	78	212	186	273	1590	3340	4710	1990	315	64	63

e Estimated.

TRUCKEE RIVER BASIN, LAKE TAHOE

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2.88	9.80	11.5	16.3	14.3	21.3	42.9	91.4	72.9	20.9	3.64	1.67
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	0.00	0.00
(WY)	1978	1978	1977	1991	1991	1977	1975	1977	1992	2001	1977	1977

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1973 - 2004
ANNUAL TOTAL	8690.76	6484.61	
ANNUAL MEAN	23.8	17.7	25.8
HIGHEST ANNUAL MEAN			59.0 1983
LOWEST ANNUAL MEAN			5.29 1977
HIGHEST DAILY MEAN	248 May 29	139 May 4	1390 Jan 1 1997
LOWEST DAILY MEAN	0.37 Sep 28	0.43 Oct 1	0.00 Aug 4 1977
ANNUAL SEVEN-DAY MINIMUM	0.40 Sep 24	0.46 Oct 3	0.00 Aug 4 1977
MAXIMUM PEAK FLOW		198 May 4	2530 Jan 1 1997
MAXIMUM PEAK STAGE		5.58 May 4	9.36 Jan 1 1997
ANNUAL RUNOFF (AC-FT)	17240	12860	18700
10 PERCENT EXCEEDS	59	62	74
50 PERCENT EXCEEDS	8.0	3.4	6.5
90 PERCENT EXCEEDS	0.64	0.78	0.84

TRUCKEE RIVER BASIN, LAKE TAHOE

10336676 WARD CREEK AT 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 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Specific conductance, wat un f uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)
OCT													
22...	1315	.59	610	9.4	102	82	22.0	9.0	--	.09	.003	.002	.009
NOV													
28...	1335	1.4	609	11.6	99	73	9.0	.0	--	.12	.003	.002	.010
DEC													
06...	1330	E4.7	--	--	--	47	2.5	1.2	.13	.34	.003	.048	.014
19...	1510	2.8	605	11.4	98	64	4.0	.0	.08	.08	.004	.002	.008
JAN													
22...	1340	2.9	611	11.6	99	64	2.0	.0	--	.06	.003	.005	.010
FEB													
17...	1130	E11	--	--	--	45	4.5	.0	.17	.19	.004	.050	.012
MAR													
11...	1435	11	606	10.6	100	54	10.0	3.2	.09	.08	.005	.002	.004
18...	1755	40	--	--	--	46	4.5	1.8	.06	.21	.003	.002	.002
22...	1820	61	--	--	--	44	5.0	2.5	.13	.18	.003	.015	.002
APR													
06...	2035	68	--	--	--	41	--	2.5	.09	.11	.004	.007	.001
12...	1840	85	606	10.1	100	39	10.0	5.0	.08	.14	<.003	.006	.002
21...	1300	33	--	--	--	45	5.5	6.5	--	.08	.003	.003	.003
27...	1915	137	--	--	--	33	10.0	4.0	.13	.23	.004	.019	.003
28...	1315	78	--	--	--	38	15.0	7.5	.06	.16	.004	.009	.002
MAY													
04...	0620	113	607	11.0	100	34	--	2.0	.15	.22	.005	.024	.003
05...	1835	179	605	10.2	101	30	12.5	5.0	.06	.25	.004	.015	.002
13...	1615	57	608	9.0	101	38	16.5	10.2	.10	.07	.005	.004	.003
20...	0845	54	--	--	--	35	8.5	3.5	.07	.08	.004	.006	.002
31...	1210	54	--	--	--	34	16.5	8.5	.06	.07	.005	.002	.002
JUN													
10...	1520	34	608	8.6	101	37	17.0	12.5	.08	.12	.006	.002	.004
JUL													
15...	1345	3.9	612	7.9	107	50	24.0	19.0	--	.08	<.003	.003	.005
AUG													
16...	1600	1.0	610	8.2	111	69	23.0	19.0	--	.11	.005	.006	.008
SEP													
17...	1520	.97	604	8.2	106	79	20.0	16.5	.08	.09	.006	.002	.008

TRUCKEE RIVER BASIN, LAKE TAHOE

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT				
22...	.028	.019	1	<.01
NOV				
28...	.018	.022	1	<.01
DEC				
06...	.018	.029	15	E.19
19...	.015	.018	2	.02
JAN				
22...	.018	.018	2	.02
FEB				
17...	.020	.029	8	E.24
MAR				
11...	.012	.018	2	.06
18...	.012	.033	16	1.7
22...	.010	.019	13	2.1
APR				
06...	.008	.016	5	.92
12...	.009	.017	10	2.3
21...	.007	.011	4	.36
27...	.010	.080	77	28
28...	.009	.014	6	1.3
MAY				
04...	.009	.022	14	4.3
05...	.009	.064	57	28
13...	.009	.024	4	.62
20...	.008	.015	4	.58
31...	.009	.011	4	.58
JUN				
10...	.011	.013	4	.37
JUL				
15...	.018	.019	1	.01
AUG				
16...	.013	.016	1	<.01
SEP				
17...	.014	.019	2	.01

Remark codes used in this table:

<-- Less than

E-- Estimated value

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

10336698 THIRD CREEK NEAR CRYSTAL BAY, NV

LOCATION.—Lat 39°14'26", long 119°56'44", in SW ¼ NE ¼ sec.22, T.16 N., R.18 E., Washoe County, Nevada, 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.—6.05 mi².

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.

GAGE.—Water-stage recorder. Datum of gage is 6,243.03 ft above NGVD of 1929.

REMARKS.—Records fair. One transmountain diversion to Washoe Valley. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.5	1.8	e2.5	2.7	2.6	7.7	13	12	e3.2	1.5	1.2
2	1.2	1.6	2.0	e2.5	2.4	2.8	7.1	14	12	e3.1	1.5	1.2
3	1.2	1.6	1.9	e2.5	2.6	2.8	7.5	16	11	3.0	1.5	1.2
4	1.2	1.9	1.9	e2.5	e2.4	2.8	8.6	21	11	2.8	1.5	1.3
5	1.2	1.7	2.3	e2.5	e2.4	2.9	9.8	21	10	2.7	1.5	1.2
6	1.2	1.7	2.6	e2.5	e2.4	3.3	9.8	18	11	2.6	1.5	1.2
7	1.3	1.8	2.4	2.5	e2.4	4.1	9.1	17	10	2.6	1.5	1.2
8	1.4	1.8	e2.5	2.5	e2.4	5.2	9.4	16	9.4	2.5	1.4	1.1
9	1.3	2.0	e2.5	2.5	e2.4	7.2	9.3	19	9.2	2.5	1.4	1.1
10	1.4	1.9	e2.5	2.5	e2.4	7.1	10	17	7.9	2.5	1.4	1.1
11	1.4	1.9	e2.5	2.4	e2.4	4.6	11	14	6.6	2.4	1.4	1.1
12	1.4	1.9	e2.5	2.4	2.4	4.8	11	15	7.1	2.3	1.4	1.1
13	1.4	1.9	2.5	2.4	e2.3	5.0	11	17	6.6	2.2	1.4	1.1
14	1.4	2.0	e2.6	2.4	2.3	5.4	e9.5	18	7.0	2.1	1.4	1.1
15	1.4	2.0	e2.6	2.4	2.3	6.2	8.8	19	6.8	2.0	1.7	1.1
16	1.4	1.9	e2.6	2.3	3.3	6.6	8.0	18	6.9	2.0	1.6	1.1
17	1.3	2.0	2.6	2.3	3.4	6.9	7.0	18	6.7	1.9	1.4	1.1
18	1.3	2.0	2.3	2.3	3.3	7.7	6.3	17	6.2	1.8	1.4	1.1
19	1.4	1.9	2.4	2.3	3.1	8.1	6.1	15	5.7	1.7	1.4	1.2
20	1.4	1.9	2.5	2.3	2.9	8.3	6.2	12	5.0	1.7	1.3	1.2
21	1.2	1.8	2.5	2.3	2.7	9.3	6.5	13	4.7	1.8	1.3	1.2
22	1.1	2.3	2.3	e2.3	2.6	9.4	5.8	13	4.5	1.7	1.3	1.1
23	1.2	2.2	2.4	e2.3	2.8	9.4	5.5	12	4.4	1.6	1.3	1.1
24	1.3	1.8	e2.6	2.3	3.4	9.0	5.5	12	4.2	1.6	1.3	1.0
25	1.4	1.7	e2.6	2.3	e3.1	8.0	6.5	11	4.1	1.5	1.3	1.0
26	1.4	1.7	e2.6	e2.3	e2.9	7.3	7.6	e11	4.0	1.5	1.3	1.0
27	1.4	1.8	e2.5	2.3	e2.8	6.3	9.2	13	3.9	1.5	1.3	1.0
28	1.4	1.8	e2.5	2.4	2.8	6.1	12	14	3.6	1.5	1.2	1.1
29	1.4	1.8	e2.5	2.5	2.6	6.3	11	11	3.4	1.4	1.2	1.1
30	1.4	1.8	e2.5	2.4	---	7.2	11	12	3.2	1.4	1.2	1.3
31	1.5	---	e2.5	2.4	---	7.8	---	12	---	1.5	1.2	---
TOTAL	41.0	55.6	75.0	74.3	77.9	190.5	253.8	469	208.1	64.6	43.0	33.9
MEAN	1.32	1.85	2.42	2.40	2.69	6.15	8.46	15.1	6.94	2.08	1.39	1.13
MAX	1.5	2.3	2.6	2.5	3.4	9.4	12	21	12	3.2	1.7	1.3
MIN	1.1	1.5	1.8	2.3	2.3	2.6	5.5	11	3.2	1.4	1.2	1.0
AC-FT	81	110	149	147	155	378	503	930	413	128	85	67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2004, BY WATER YEAR (WY)

MEAN	3.35	4.19	4.21	4.57	4.43	6.17	9.52	19.5	22.4	10.3	3.81	2.99
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	5.10	3.84	1.81	1.17	0.94	0.94
(WY)	1978	1978	1995	1985	1978	2002	2003	1988	2001	1994	1994	2001

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1970 - 2004

ANNUAL TOTAL	1917.2	1586.7	
ANNUAL MEAN	5.25	4.34	7.92
HIGHEST ANNUAL MEAN			14.1 1983
LOWEST ANNUAL MEAN			2.92 1988
HIGHEST DAILY MEAN	41 May 29	21 May 4	99 Jun 19 1982
LOWEST DAILY MEAN	1.1 Sep 24	1.0 Sep 24	0.66 Oct 13 1977
ANNUAL SEVEN-DAY MINIMUM	1.1 Sep 24	1.0 Sep 22	0.67 Oct 13 1977
MAXIMUM PEAK FLOW		29 May 4	150 Jun 18 1982
MAXIMUM PEAK STAGE		a 3.06 Feb 10	3.77 Jan 23 1973
ANNUAL RUNOFF (AC-FT)	3800	3150	5740
10 PERCENT EXCEEDS	11	11	19
50 PERCENT EXCEEDS	3.0	2.4	4.3
90 PERCENT EXCEEDS	1.4	1.2	1.7

e Estimated.
a Backwater from ice.

TRUCKEE RIVER BASIN, LAKE TAHOE
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 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
06...	1410	1.2	--	--	--	--	67	16.5	10.5	--	.09	.003	.004
NOV													
07...	1330	2.0	--	--	--	--	73	4.5	3.0	--	.13	<.003	.004
DEC													
02...	1525	2.0	609	10.4	98	7.8	68	5.0	3.5	.07	.08	.003	.003
JAN													
05...	1255	E2.5	--	--	--	--	70	1.0	.0	--	.10	.004	.008
FEB													
03...	1325	2.6	--	--	--	--	68	-1.0	.5	--	.09	.003	.009
MAR													
02...	1330	3.0	600	10.7	97	7.6	79	.5	1.6	.08	.09	.006	.005
09...	1110	6.2	--	--	--	--	81	7.0	3.5	.08	.16	.005	.032
16...	1020	6.0	--	--	--	--	87	14.0	3.0	.11	.16	<.003	.042
23...	1405	8.7	--	--	--	--	74	12.0	6.5	.12	.19	.003	.021
30...	1210	6.7	--	--	--	--	75	14.5	6.0	.11	.14	<.003	.008
APR													
05...	1105	9.0	--	--	--	--	65	11.0	4.0	--	.13	<.003	.007
12...	1035	11	--	--	--	--	59	9.5	3.5	.14	.18	<.003	.016
12...	1745	11	--	--	--	--	58	10.0	6.5	.11	.14	<.003	.007
21...	1500	6.7	--	--	--	--	61	6.5	6.0	.09	.12	.003	.004
28...	1140	11	--	--	--	--	47	14.5	5.0	.07	.18	.004	.010
28...	1810	13	--	--	--	--	46	8.5	5.5	.07	.26	.004	.008
MAY													
04...	1830	28	--	--	--	--	32	12.0	5.5	.10	1.2	.004	.007
06...	1535	17	--	--	--	--	37	13.5	6.5	.12	.20	.003	.006
20...	1650	13	--	--	--	--	41	13.0	9.0	.11	.14	.004	.005
JUN													
01...	1415	11	608	8.1	96	7.7	42	19.0	12.5	.07	.10	.003	.004
16...	1345	6.7	--	--	--	--	48	21.5	12.0	.10	.11	.004	.005
JUL													
06...	1630	2.5	--	--	--	--	62	25.0	15.5	--	.12	.004	.008
AUG													
02...	1535	1.4	--	--	--	--	66	19.0	13.5	--	.09	.004	.014
SEP													
09...	1205	1.2	596	8.7	99	7.8	66	18.0	9.9	.10	.11	.010	.007

TRUCKEE RIVER BASIN, LAKE TAHOE

10336698 THIRD CREEK NEAR CRYSTAL BAY, NV—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspnd. sediment, sieve diameter percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT						
06...	.015	.025	.025	--	3	.01
NOV						
07...	.013	.021	.026	--	1	.01
DEC						
02...	.008	.011	.018	--	1	.01
JAN						
05...	.005	.009	.013	--	2	E.01
FEB						
03...	.005	.012	.015	--	1	.01
MAR						
02...	.005	.011	.019	--	2	.02
09...	.017	.024	.036	--	4	.07
16...	.018	.025	.040	--	7	.11
23...	.010	.021	.039	--	14	.33
30...	.006	.017	.023	--	5	.09
APR						
05...	.005	.011	.027	--	7	.17
12...	.004	.010	.032	--	9	.27
12...	.005	.012	.036	--	13	.39
21...	.007	.012	.019	--	5	.09
28...	.006	.012	.043	--	17	.50
28...	.006	.012	.050	--	28	.98
MAY						
04...	.007	.013	.277	63	197	15
06...	.005	.011	.029	--	13	.60
20...	.006	.012	.023	--	8	.28
JUN						
01...	.006	.014	.020	--	5	.15
16...	.007	.017	.026	--	5	.09
JUL						
06...	.009	.018	.031	--	3	.02
AUG						
02...	.012	.023	.032	--	4	.02
SEP						
09...	.009	.019	.024	--	3	.01

Remark codes used in this table:

< -- Less than
E -- Estimated value

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

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

LOCATION.—Lat 39°15'32", long 119°55'20", in SE ¼ SE ¼ sec.11, T.16 N., R.18 E., Washoe County, Nevada, Hydrologic Unit 16050101, on right bank, 900 ft upstream from Tyrol Drive, and about 1.5 mi northeast of Incline Village.

DRAINAGE AREA.—2.78 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1990 to current year.

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

REMARKS.—Records fair including estimated daily discharges. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.8	1.8	e1.9	1.8	1.4	5.7	9.5	6.0	3.1	1.4	0.96
2	1.4	1.8	1.8	e1.9	1.8	1.4	5.2	10	5.5	3.0	1.4	0.97
3	1.4	1.8	1.8	1.7	1.8	1.4	5.6	10	5.2	2.9	1.4	1.0
4	1.4	1.8	1.8	1.7	1.8	1.4	6.2	12	4.8	2.8	1.4	1.0
5	1.3	1.8	e1.8	1.7	1.7	1.5	7.3	12	4.5	2.7	1.4	1.0
6	1.3	1.8	e1.8	1.7	1.7	1.4	7.5	11	4.9	2.6	1.4	0.97
7	1.3	1.8	e1.9	1.7	1.8	2.0	7.4	11	5.1	2.5	1.3	0.96
8	1.2	1.8	e1.9	1.9	1.7	2.8	7.2	11	5.1	2.4	1.3	0.98
9	1.3	1.8	e1.9	2.0	1.8	3.4	7.7	10	5.2	2.4	1.3	0.99
10	1.3	1.5	1.8	2.1	1.8	3.6	8.1	9.6	5.2	2.3	1.2	0.97
11	1.4	1.4	e1.9	2.0	1.8	3.6	8.3	8.9	5.0	2.2	1.2	0.97
12	1.3	1.4	1.9	2.0	1.8	3.3	8.6	8.4	4.8	2.2	1.2	0.96
13	1.3	e1.4	1.8	2.0	1.7	3.4	8.4	8.4	4.6	2.1	1.2	0.97
14	1.3	e1.3	1.8	2.0	1.5	3.6	7.9	8.3	4.3	2.0	1.2	1.0
15	1.3	1.1	e1.9	2.1	1.5	3.8	7.5	8.2	4.2	1.9	1.3	1.0
16	1.3	e1.3	1.9	2.1	3.3	4.5	6.8	7.9	4.1	1.9	1.4	1.0
17	1.3	e1.4	1.9	2.1	2.9	4.8	6.1	7.7	4.0	1.9	1.2	1.0
18	1.3	e1.4	1.9	2.2	2.0	4.7	5.7	7.3	3.9	1.8	1.1	1.1
19	1.3	e1.4	1.9	2.1	1.9	5.7	5.7	7.7	3.8	1.8	1.1	1.3
20	1.3	e1.4	1.9	1.9	1.8	5.6	5.5	8.1	3.8	1.8	1.1	1.5
21	1.3	e1.5	1.8	1.9	1.8	6.3	5.4	7.9	3.7	1.7	1.1	1.4
22	1.5	1.6	1.8	2.0	1.8	6.5	5.2	7.8	3.6	1.7	1.2	1.3
23	1.6	e1.6	1.8	2.1	1.7	6.7	5.8	7.2	3.4	1.6	1.2	1.2
24	1.6	1.7	1.7	2.1	1.7	6.2	6.8	6.9	3.3	1.6	1.2	1.1
25	1.7	1.7	1.9	2.0	1.6	5.3	7.5	6.6	3.2	1.6	1.1	1.1
26	1.6	1.6	1.9	1.9	1.7	4.5	8.4	6.5	3.2	1.5	1.2	1.1
27	1.7	1.7	e2.0	2.0	1.6	4.2	9.4	6.6	3.1	1.5	1.1	1.1
28	1.7	1.8	e2.0	1.8	1.5	4.3	9.6	6.8	3.1	1.4	1.1	1.1
29	1.7	1.9	e2.0	1.9	1.4	4.7	9.1	6.3	3.1	1.4	1.0	1.2
30	1.7	1.8	e2.0	1.9	---	5.4	9.1	6.1	3.1	1.4	0.98	1.2
31	1.7	---	2.0	1.8	---	5.8	---	6.6	---	1.4	0.96	---
TOTAL	44.2	48.1	58.0	60.2	52.7	123.2	214.7	262.3	126.8	63.1	37.64	32.40
MEAN	1.43	1.60	1.87	1.94	1.82	3.97	7.16	8.46	4.23	2.04	1.21	1.08
MAX	1.7	1.9	2.0	2.2	3.3	6.7	9.6	12	6.0	3.1	1.4	1.5
MIN	1.2	1.1	1.7	1.7	1.4	1.4	5.2	6.1	3.1	1.4	0.96	0.96
AC-FT	88	95	115	119	105	244	426	520	252	125	75	64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

	1996	1999	1996	1997	1996	1997	1997	1997	1995	1995	1995	1995
MEAN	1.96	2.08	1.97	2.24	2.03	2.93	5.34	9.72	9.33	5.29	2.73	1.96
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 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1990 - 2004

ANNUAL TOTAL	1080.2	1123.34	
ANNUAL MEAN	2.96	3.07	4.11
HIGHEST ANNUAL MEAN			7.56 1995
LOWEST ANNUAL MEAN			1.02 1992
HIGHEST DAILY MEAN	13 May 28	12 May 4	36 Jun 26 1995
LOWEST DAILY MEAN	1.1 Nov 15	0.96 Aug 31	0.18 Aug 19 1992
ANNUAL SEVEN-DAY MINIMUM	1.3 Oct 4	0.97 Sep 6	0.21 Aug 1 1992
MAXIMUM PEAK FLOW		15 May 4	52 Jun 26 1995
MAXIMUM PEAK STAGE		2.76 Jan 1	2.76 Jan 1 2004
ANNUAL RUNOFF (AC-FT)	2140	2230	2980
10 PERCENT EXCEEDS	5.9	7.3	9.5
50 PERCENT EXCEEDS	1.9	1.8	2.6
90 PERCENT EXCEEDS	1.4	1.2	0.80

e Estimated.

TRUCKEE RIVER BASIN, LAKE TAHOE

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 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
06...	1025	1.6	--	--	--	--	41	12.0	6.0	--	.11	.004	.002
NOV													
07...	0945	1.8	--	--	--	--	38	.5	1.0	--	.09	<.003	.002
DEC													
02...	1025	1.9	596	11.6	104	7.8	39	1.5	1.0	.06	.10	.003	.004
JAN													
05...	1515	1.7	--	--	--	--	39	-1.5	1.0	--	.11	.004	.026
FEB													
03...	1000	1.8	--	--	--	--	38	-1.0	1.0	--	.10	.004	.037
MAR													
02...	1530	1.4	592	10.6	98	7.4	40	-1.0	1.6	.12	.15	.005	.041
19...	1415	4.3	--	--	--	--	33	11.0	3.0	.14	.31	<.003	.040
APR													
05...	0945	6.0	--	--	--	--	31	5.5	2.5	--	.19	.004	.034
09...	0925	6.6	--	--	--	--	32	4.0	2.5	.08	.15	.004	.030
12...	1300	7.5	--	--	--	--	32	13.5	4.0	.10	.22	.004	.035
21...	1050	5.1	--	--	--	--	40	2.5	2.0	.08	.12	.003	.029
28...	1410	8.5	--	--	--	--	30	11.0	6.0	.10	.24	.005	.037
MAY													
04...	1440	12	--	--	--	--	29	18.5	8.0	.09	.53	.003	.026
20...	1340	7.5	--	--	--	--	30	14.5	7.0	.11	.12	.004	.012
JUN													
01...	1000	6.0	594	8.7	90	7.6	31	12.5	6.0	.11	.12	.004	.011
16...	0925	4.3	--	--	--	--	35	13.0	6.5	.10	.11	.003	.011
JUL													
06...	1345	2.4	--	--	--	--	37	29.5	10.0	--	.10	.003	.008
AUG													
02...	1100	1.7	--	--	--	--	38	14.5	7.5	--	.12	.003	.016
SEP													
09...	0825	1.3	597	9.3	96	7.7	40	5.5	6.2	.08	.17	.006	.003

TRUCKEE RIVER BASIN, LAKE TAHOE

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
06...	.009	.018	.019	2	.01
NOV					
07...	.008	.015	.016	1	<.01
DEC					
02...	.008	.013	.017	2	.01
JAN					
05...	.008	.016	.017	1	<.01
FEB					
03...	.010	.018	.023	<1	<.01
MAR					
02...	.010	.015	.021	1	<.01
19...	.010	.015	.028	10	.12
APR					
05...	.009	.021	.032	7	.11
09...	.008	.016	.029	8	.14
12...	.009	.019	.028	10	.20
21...	.010	.014	.021	11	.15
28...	.010	.016	.036	15	.34
MAY					
04...	.011	.017	.060	45	1.5
20...	.011	.023	.029	7	.14
JUN					
01...	.011	.018	.026	5	.08
16...	.011	.018	.026	4	.05
JUL					
06...	.013	.023	.029	4	.03
AUG					
02...	.012	.023	.032	5	.02
SEP					
09...	.008	.019	.032	2	.01

Remark codes used in this table:

< -- Less than

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

103366995 INCLINE CREEK AT HIGHWAY 28, AT INCLINE VILLAGE, NV

LOCATION.—Lat 39°14'44", long 119°56'17", in SE ¼ SE ¼ sec.15, T.16 N., R.18 E., Washoe County, Nevada, 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.—4.47 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—December 1989 to current year (discontinued).

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

REMARKS.—Records fair including estimated daily discharges. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.9	2.2	e2.4	2.3	2.0	8.2	12	6.9	3.7	1.9	1.5
2	1.6	2.1	2.2	e2.4	2.3	2.0	7.9	13	6.8	3.6	1.9	1.5
3	1.6	2.0	2.1	e2.4	2.2	2.1	8.5	12	6.7	3.5	1.9	1.6
4	1.6	2.5	2.1	e2.4	2.4	2.1	9.3	12	6.5	3.4	1.9	1.6
5	1.5	2.0	e2.1	2.4	e2.3	2.1	10	12	6.4	3.3	1.9	1.6
6	1.5	2.0	e2.1	2.3	e2.2	2.5	10	11	6.4	3.2	1.9	1.6
7	1.5	2.1	e2.2	2.3	2.1	3.2	9.9	11	6.1	3.1	1.9	1.5
8	1.5	2.1	e2.2	2.4	e2.1	3.9	9.7	11	5.9	3.0	1.8	1.5
9	1.5	2.2	e2.3	2.5	2.0	4.2	10	10	6.1	3.0	1.8	1.5
10	1.6	2.1	2.3	2.4	e2.0	4.5	e10	9.6	5.9	2.9	1.7	1.5
11	1.6	2.1	e2.3	2.4	2.0	4.4	e11	9.1	5.7	2.9	1.7	1.5
12	1.6	2.1	e2.3	2.4	2.0	4.6	e11	8.8	5.5	2.8	1.7	1.5
13	1.6	2.1	2.3	2.4	2.0	4.9	e11	8.8	5.4	2.7	1.7	1.5
14	1.6	2.1	e2.3	2.4	2.0	5.3	e10	8.8	5.3	2.7	1.8	1.6
15	1.6	2.2	e2.3	2.4	2.0	6.3	e10	8.7	5.1	2.6	1.8	1.6
16	1.6	2.1	e2.3	2.3	3.5	6.5	e9.2	8.5	4.9	2.6	1.8	1.6
17	1.6	e2.1	2.3	2.2	3.1	6.6	e8.9	8.4	4.9	2.5	1.7	1.6
18	1.5	e2.0	2.3	2.3	2.5	7.3	8.0	8.2	4.8	2.5	1.6	1.7
19	1.5	e2.0	2.3	2.2	2.2	7.8	e7.7	8.1	4.7	2.5	1.6	1.9
20	1.5	2.1	2.5	2.2	2.1	8.2	e7.7	8.0	4.5	2.4	1.6	2.1
21	1.5	2.0	2.4	2.2	2.1	9.0	e8.3	7.8	4.4	2.4	1.6	2.0
22	1.5	e2.0	2.3	e2.2	2.1	9.4	e8.9	7.8	4.3	2.3	1.7	1.9
23	1.7	e2.1	2.3	2.2	2.0	9.7	e9.4	7.7	4.1	2.3	1.7	1.8
24	1.6	2.2	2.8	2.3	2.0	8.9	9.6	7.5	4.0	2.3	1.7	1.8
25	1.6	2.0	2.5	2.2	e2.0	7.9	10	7.2	3.9	2.2	1.7	1.7
26	1.6	2.1	e2.5	e2.2	e2.1	7.2	11	7.2	3.8	2.2	1.6	1.7
27	1.6	2.2	e2.5	2.2	e2.1	6.8	11	7.4	3.8	2.1	1.6	1.7
28	1.6	2.1	e2.5	2.2	2.0	6.9	12	7.6	3.8	2.1	1.6	1.7
29	1.7	2.2	e2.5	2.2	2.0	7.4	11	7.2	3.7	2.0	1.5	1.8
30	1.8	2.2	e2.5	2.2	---	e7.6	11	7.1	3.7	2.0	1.5	1.9
31	1.9	---	e2.5	2.2	---	e7.9	---	7.0	---	2.0	1.5	---
TOTAL	49.2	63.0	72.3	71.4	63.7	179.2	290.2	280.5	154.0	82.8	53.3	50.0
MEAN	1.59	2.10	2.33	2.30	2.20	5.78	9.67	9.05	5.13	2.67	1.72	1.67
MAX	1.9	2.5	2.8	2.5	3.5	9.7	12	13	6.9	3.7	1.9	2.1
MIN	1.5	1.9	2.1	2.2	2.0	2.0	7.7	7.0	3.7	2.0	1.5	1.5
AC-FT	98	125	143	142	126	355	576	556	305	164	106	99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	2.50	2.68	2.77	3.32	3.12	5.34	8.25	12.7	11.9	6.41	3.26	2.52			
MAX (WY)	4.61	4.93	5.71	14.8	7.81	11.9	18.5	25.5	34.9	27.9	10.5	5.83			
MIN (WY)	0.95	1.22	1.21	1.19	1.41	2.25	3.63	1.98	1.26	0.87	0.65	0.67			

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	1289.8		1409.6			
ANNUAL MEAN	3.53		3.85		5.62	
HIGHEST ANNUAL MEAN					10.7	
LOWEST ANNUAL MEAN					1.54	
HIGHEST DAILY MEAN	14	May 24	13	May 2	85	Jan 2 1997
LOWEST DAILY MEAN	1.5	Sep 21	1.5	Oct 1	0.56	Aug 20 1992
ANNUAL SEVEN-DAY MINIMUM	1.5	Sep 21	1.5	Sep 7	0.60	Aug 6 1992
MAXIMUM PEAK FLOW			15		143	
MAXIMUM PEAK STAGE			a2.43		3.51	
ANNUAL RUNOFF (AC-FT)	2560		2800		4070	
10 PERCENT EXCEEDS	6.4		8.9		13	
50 PERCENT EXCEEDS	2.5		2.3		3.4	
90 PERCENT EXCEEDS	1.6		1.6		1.2	

e Estimated.
a Backwater from ice.

TRUCKEE RIVER BASIN, LAKE TAHOE

103366995 INCLINE CREEK AT HIGHWAY 28 AT 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 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
06...	1145	1.6	--	--	--	--	53	17.5	8.0	--	.13	.005	.004
NOV													
07...	1110	2.2	--	--	--	--	51	3.0	2.0	--	.10	.003	.004
DEC													
02...	1220	2.1	608	11.3	104	7.8	52	6.0	2.5	.06	.12	<.003	.005
JAN													
06...	1255	2.3	--	--	--	--	54	1.0	1.5	--	.08	.005	.024
FEB													
03...	1115	2.2	--	--	--	--	59	-3.0	.5	--	.14	.008	.038
MAR													
02...	1720	2.1	602	10.8	99	7.5	145	-1.0	1.8	.10	.15	.009	.035
19...	1550	8.1	--	--	--	--	80	11.0	5.0	.27	.40	.003	.063
APR													
05...	1330	8.9	--	--	--	--	51	10.0	5.0	--	.18	.007	.057
09...	1110	8.9	--	--	--	--	49	9.5	3.5	.13	.20	.005	.058
12...	1425	E11	--	--	--	--	46	15.0	6.0	.14	.26	<.003	.039
21...	1225	E8.3	--	--	--	--	48	7.0	4.0	.13	.15	<.003	.045
28...	1540	12	--	--	--	--	41	11.5	7.0	.11	.24	.005	.039
MAY													
04...	1600	14	--	--	--	--	36	19.5	9.0	.11	.56	.004	.027
20...	1450	7.8	--	--	--	--	37	13.0	8.0	.09	.12	.003	.019
JUN													
01...	1150	7.1	606	9.5	101	7.7	37	18.5	8.0	.05	.11	.005	.015
16...	1055	5.1	--	--	--	--	42	18.5	8.0	.09	.15	.004	.016
JUL													
06...	1450	3.1	--	--	--	--	46	28.0	12.0	--	.13	.004	.014
AUG													
02...	1240	2.1	--	--	--	--	49	19.0	10.5	--	.12	.005	.019
SEP													
09...	0955	1.7	596	9.5	102	7.8	53	15.0	7.7	.12	.15	.007	.020

TRUCKEE RIVER BASIN, LAKE TAHOE

103366995 INCLINE CREEK AT HIGHWAY 28 AT INCLINE VILLAGE, NV—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT 06...	.010	.021	.025	3	.01
NOV 07...	.009	.017	.021	2	.01
DEC 02...	.007	.014	.017	1	.01
JAN 06...	.007	.015	.024	4	.02
FEB 03...	.008	.015	.026	4	.02
MAR 02...	.006	.017	.030	8	.05
19...	.021	.028	.070	35	.77
APR 05...	.011	.018	.040	11	.26
09...	.009	.017	.038	12	.29
12...	.010	.017	.038	7	E.21
21...	.009	.016	.029	8	E.18
28...	.011	.016	.051	41	1.3
MAY 04...	.012	.017	.094	125	4.7
20...	.011	.017	.033	11	.23
JUN 01...	.010	.020	.030	9	.17
16...	.010	.017	.031	6	.08
JUL 06...	.013	.020	.035	4	.03
AUG 02...	.011	.021	.035	3	.02
SEP 09...	.007	.021	.032	4	.02

Remark codes used in this table:

- < -- Less than
- E -- Estimated value

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

10336700 INCLINE CREEK NEAR CRYSTAL BAY, NV

LOCATION.—Lat 39°14'25", long 119°56'38", in SW ¼ NE ¼ sec.22, T.16 N., R.18 E., Washoe County, Nevada, 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.—7.0 mi².

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. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	2.9	3.1	e3.4	3.8	3.9	10	12	8.6	4.4	2.8	2.2
2	2.5	2.9	3.2	e3.4	3.9	3.8	9.7	13	8.5	4.2	2.7	2.2
3	2.5	3.0	3.1	e3.4	3.8	3.8	10	13	8.3	4.1	2.7	2.2
4	2.5	3.0	3.0	e3.4	e3.8	3.8	11	14	8.0	4.0	2.7	2.3
5	2.5	3.0	3.7	e3.5	e3.8	3.9	12	14	7.8	3.9	2.7	2.3
6	2.5	3.0	4.4	e3.5	e3.8	4.6	12	14	7.8	3.9	2.6	2.2
7	2.5	3.1	3.8	3.8	e3.8	5.8	11	14	7.5	3.8	2.6	2.2
8	2.5	3.0	3.1	3.9	e3.8	7.2	11	13	7.4	3.7	2.6	2.1
9	2.5	3.2	e3.2	3.9	e3.8	8.0	12	13	7.7	3.7	2.5	2.1
10	2.6	3.2	e3.2	3.8	e3.8	8.7	12	12	7.5	3.6	2.5	2.1
11	2.6	3.1	e3.2	3.9	e3.8	8.6	12	12	6.9	3.5	2.5	2.1
12	2.6	3.1	e3.2	3.8	3.9	8.8	12	11	6.8	3.5	2.5	2.1
13	2.6	3.1	3.4	3.9	3.8	9.2	12	11	6.6	3.5	2.5	2.1
14	2.6	3.1	3.3	3.9	3.8	9.6	11	11	6.5	3.4	2.5	2.1
15	2.6	3.2	3.4	3.9	3.8	11	11	11	6.3	3.3	2.6	2.2
16	2.6	3.1	3.5	3.9	7.2	11	10	11	6.1	3.3	2.7	2.2
17	2.6	3.1	3.2	3.9	6.3	11	9.5	11	5.9	3.4	2.5	2.1
18	2.5	3.2	3.2	4.0	5.2	11	8.9	10	5.8	3.3	2.5	2.2
19	2.6	3.2	3.4	4.0	4.6	12	8.6	10	5.7	3.3	2.5	2.3
20	2.6	3.2	3.7	4.0	4.4	12	8.7	10	5.5	3.2	2.4	2.7
21	2.5	e3.1	3.7	3.8	4.4	13	8.3	9.9	5.4	3.2	2.4	2.6
22	2.5	e3.1	3.4	4.6	4.3	13	8.1	9.9	5.3	3.2	2.4	2.5
23	2.7	e3.1	3.4	3.9	4.1	14	8.6	9.6	5.2	3.1	2.5	2.5
24	2.6	e3.1	4.5	3.9	4.0	12	9.3	9.3	5.0	3.1	2.5	2.4
25	2.5	3.1	3.7	3.8	4.3	11	10	9.0	4.8	3.0	2.4	2.3
26	2.5	3.2	e3.4	5.2	4.1	9.7	11	9.0	4.6	2.9	2.4	2.3
27	2.6	3.3	e3.4	3.8	4.1	9.1	12	9.2	4.5	2.9	2.4	2.2
28	2.6	3.1	e3.4	3.8	4.0	9.3	12	9.6	4.6	2.9	2.3	2.3
29	2.6	3.2	e3.4	3.9	3.8	9.8	11	9.1	4.5	2.8	2.3	2.3
30	2.6	3.1	e3.4	3.9	---	11	11	8.9	4.5	2.8	2.3	2.4
31	2.8	---	e3.4	3.9	---	11	---	8.8	---	2.8	2.2	---
TOTAL	79.4	93.1	106.4	119.7	122.0	280.6	315.7	342.3	189.6	105.7	77.7	67.8
MEAN	2.56	3.10	3.43	3.86	4.21	9.05	10.5	11.0	6.32	3.41	2.51	2.26
MAX	2.8	3.3	4.5	5.2	7.2	14	12	14	8.6	4.4	2.8	2.7
MIN	2.4	2.9	3.0	3.4	3.8	3.8	8.1	8.8	4.5	2.8	2.2	2.1
AC-FT	157	185	211	237	242	557	626	679	376	210	154	134

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2004, BY WATER YEAR (WY)

MEAN	3.80	4.08	4.26	5.18	5.18	8.02	11.0	16.1	14.3	7.62	4.33	3.41
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 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1970 - 2004

ANNUAL TOTAL	1787.2	1900.0		
ANNUAL MEAN	4.90	5.19	7.43	
HIGHEST ANNUAL MEAN			15.4	1995
LOWEST ANNUAL MEAN			2.51	1992
HIGHEST DAILY MEAN	16	May 24	112	Jan 2 1997
LOWEST DAILY MEAN	2.3	Sep 26	2.1	Sep 8 1999
ANNUAL SEVEN-DAY MINIMUM	2.4	Sep 21	2.1	Sep 8 1999
MAXIMUM PEAK FLOW			18	May 4 1997
MAXIMUM PEAK STAGE			2.13	May 4 1997
ANNUAL RUNOFF (AC-FT)	3540	3770	5380	
10 PERCENT EXCEEDS	7.9	11	16	
50 PERCENT EXCEEDS	3.8	3.8	4.9	
90 PERCENT EXCEEDS	2.6	2.4	2.1	

e Estimated.

TRUCKEE RIVER BASIN, LAKE TAHOE
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 April 1998 to November 2000, 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 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 deg C (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water, fltrd, mg/L as N (00631)
OCT													
06...	1300	2.7	--	--	--	--	90	17.5	9.0	--	.11	.004	.004
NOV													
07...	1220	3.1	--	--	--	--	90	4.5	3.0	--	.12	<.003	.004
DEC													
02...	1400	3.1	609	10.8	102	7.9	94	7.0	3.5	.08	.11	<.003	.004
JAN													
05...	1020	E3.5	--	--	--	--	93	-4.5	.0	--	.13	.004	.027
FEB													
03...	1225	3.8	--	--	--	--	105	-2.0	1.0	--	.18	.004	.041
MAR													
02...	1110	3.8	600	11.1	102	7.7	136	1.0	1.8	.10	.17	.009	.037
09...	0950	6.2	--	--	--	--	135	4.0	3.0	.13	.26	.004	.060
16...	0910	10	--	--	--	--	137	10.0	3.0	.16	.38	.003	.072
23...	1245	12	--	--	--	--	122	14.5	5.5	.18	.26	.003	.081
30...	0945	9.3	--	--	--	--	113	11.5	4.0	.14	.19	<.003	.058
APR													
05...	1205	11	--	--	--	--	95	13.0	5.0	--	.18	.004	.056
09...	1225	11	--	--	--	--	88	11.0	5.5	.13	.14	.004	.051
12...	1140	11	--	--	--	--	79	13.0	4.5	.11	.22	.004	.046
12...	1640	13	--	--	--	--	76	13.0	7.0	.11	.28	<.003	.044
21...	1340	8.2	--	--	--	--	82	9.5	5.5	.12	.14	.004	.040
28...	1250	11	--	--	--	--	65	14.0	6.5	.11	.26	.005	.037
28...	1700	13	--	--	--	--	59	12.0	7.5	.10	.22	.011	.040
MAY													
04...	1715	17	--	--	--	--	48	17.5	9.0	.10	.74	<.003	.022
06...	1430	13	--	--	--	--	54	17.0	7.5	.08	.38	.004	.017
20...	1600	10	--	--	--	--	58	13.0	8.5	.09	.18	.004	.020
JUN													
01...	1310	9.0	608	8.8	97	7.8	58	18.5	9.7	.07	.20	.005	.011
16...	1200	6.5	--	--	--	--	64	19.5	9.0	.09	.13	.004	.016
JUL													
06...	1545	3.6	--	--	--	--	76	24.5	14.0	--	.15	.004	.013
AUG													
02...	1405	3.0	--	--	--	--	83	21.0	12.0	--	.12	.004	.023
SEP													
09...	1110	2.4	612	9.4	101	7.9	87	17.5	8.7	.08	.21	.008	.017

TRUCKEE RIVER BASIN, LAKE TAHOE

10336700 INCLINE CREEK NEAR CRYSTAL BAY, NV—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT						
06...	.011	.025	.025	--	5	.04
NOV						
07...	.014	.025	.029	--	4	.03
DEC						
02...	.007	.011	.018	--	1	.01
JAN						
05...	.006	.018	.028	--	9	E.09
FEB						
03...	.007	.014	.033	--	7	.07
MAR						
02...	.005	.014	.030	--	6	.06
09...	.014	.021	.046	--	9	.15
16...	.015	.022	.051	--	14	.38
23...	.012	.019	.049	--	17	.55
30...	.008	.023	.036	--	8	.20
APR						
05...	.009	.019	.034	--	12	.36
09...	.009	.016	.035	--	12	.36
12...	.008	.019	.034	--	12	.36
12...	.009	.019	.050	--	22	.77
21...	.009	.015	.031	--	9	.20
28...	.009	.018	.037	--	15	.45
28...	.012	.017	.062	50	33	1.2
MAY						
04...	.011	.018	.130	46	96	4.4
06...	.010	.015	.044	--	23	.81
20...	.012	.018	.045	--	21	.57
JUN						
01...	.009	.017	.035	--	13	.32
16...	.009	.016	.031	--	11	.19
JUL						
06...	.012	.025	.035	--	5	.05
AUG						
02...	.011	.025	.044	--	7	.06
SEP						
09...	.009	.019	.036	--	13	.08

Remark codes used in this table:

< -- Less than

E -- Estimated value

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE
10336710 MARLETTE LAKE NEAR CARSON CITY, NV

LOCATION (REVISED).--Lat 39°10'22.71", long 119°54'19.84" referenced to North American Datum of 1983, in SW ¼ SE ¼ 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.--2.8 mi².

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 National Geodetic Vertical Datum 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 Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded contents, 12,320 acre-ft, February 19, 1986, elevation, 7,839.23 ft.; minimum, 10,870 acre-ft, November 7, 2002, elevation, 7,835.57 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 12,010 acre-ft, May 11, gage height, 38.52 ft; minimum contents, 10,960 acre-ft, September 29, 30, gage height, 35.81 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 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11,300	11,160	11,200	11,570	11,680	11,950	11,940	11,960	11,920	11,790	11,520	11,200
2	11,290	11,160	11,210	11,590	11,720	11,960	11,940	11,970	11,920	11,790	11,500	11,190
3	11,290	11,160	11,210	11,600	11,720	11,950	11,940	11,970	11,910	11,780	11,490	11,170
4	11,280	11,160	11,210	11,600	11,720	11,950	11,940	11,980	11,900	11,770	11,480	11,160
5	11,280	11,160	11,190	11,600	11,730	11,940	11,950	11,980	11,900	11,770	11,470	11,160
6	11,270	11,160	11,260	11,600	11,740	11,940	11,950	11,980	11,880	11,760	11,460	11,150
7	11,260	11,160	11,270	11,610	11,740	11,940	11,950	11,980	11,880	11,750	11,440	11,140
8	11,250	11,170	11,270	11,610	11,740	11,940	11,950	11,980	11,870	11,740	11,430	11,130
9	11,240	11,190	11,270	11,610	11,740	11,930	11,950	11,980	11,870	11,730	11,430	11,120
10	11,240	11,190	11,300	11,620	11,750	11,930	11,950	11,990	11,870	11,720	11,420	11,110
11	11,230	11,190	11,310	11,620	11,750	11,930	11,950	12,000	11,860	11,710	11,410	11,110
12	11,220	11,190	11,320	11,620	11,750	11,920	11,960	12,000	11,860	11,710	11,400	11,090
13	11,210	11,190	11,320	11,620	11,750	11,920	11,950	12,000	11,850	11,700	11,390	11,080
14	11,200	11,190	11,360	11,620	11,750	11,920	11,950	11,990	11,850	11,680	11,380	11,070
15	11,200	11,200	11,360	11,620	11,760	11,920	11,940	11,990	11,850	11,670	11,380	11,070
16	11,190	11,210	11,360	11,630	11,770	11,920	11,940	11,990	11,850	11,660	11,370	11,060
17	11,190	11,200	11,360	11,630	11,790	11,920	11,950	11,980	11,840	11,660	11,360	11,050
18	11,190	11,200	11,360	11,630	11,810	11,920	11,960	11,980	11,840	11,650	11,350	11,040
19	11,190	11,190	11,360	11,630	11,810	11,920	11,960	11,980	11,830	11,640	11,340	11,030
20	11,190	11,190	11,380	11,650	11,810	11,920	11,950	11,980	11,830	11,630	11,330	11,020
21	11,190	11,200	11,380	11,650	11,820	11,930	11,960	11,980	11,830	11,630	11,320	11,010
22	11,180	11,190	11,380	11,650	11,830	11,930	11,950	11,970	11,830	11,620	11,310	11,010
23	11,180	11,200	11,380	11,650	11,830	11,930	11,950	11,970	11,820	11,610	11,300	11,000
24	11,170	11,190	11,450	11,660	11,830	11,930	11,950	11,970	11,820	11,600	11,280	11,000
25	11,170	11,200	11,480	11,660	11,900	11,950	11,950	11,970	11,810	11,590	11,270	10,990
26	11,160	11,190	11,480	11,660	11,940	11,950	11,950	11,960	11,810	11,580	11,260	10,980
27	11,160	11,190	11,490	11,670	11,940	11,940	11,950	11,950	11,800	11,570	11,250	10,970
28	11,160	11,190	11,500	11,670	11,940	11,940	11,950	11,960	11,800	11,570	11,240	10,970
29	11,150	11,190	11,540	11,680	11,930	11,940	11,950	11,940	11,800	11,550	11,230	10,970
30	11,150	11,200	11,540	11,680	---	11,940	11,960	11,940	11,790	11,540	11,220	10,960
31	11,160	---	11,540	11,680	---	11,940	---	11,930	---	11,530	11,210	---
MAX	11,300	11,210	11,540	11,680	11,940	11,960	11,960	12,000	11,920	11,790	11,520	11,200
MIN	11,150	11,160	11,190	11,570	11,680	11,920	11,940	11,930	11,790	11,530	11,210	10,960
#	36.34	36.44	37.35	37.71	38.34	38.37	38.40	38.34	38.01	37.31	36.48	35.82
##	-150	+40	+340	+140	+250	+10	+20	-30	-140	-260	-320	-250

CAL YR 2003 MAX 11,970 MIN 11,150 ## +120
WTR YR 2004 MAX 12,000 MIN 10,960 ## -350

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

TRUCKEE RIVER BASIN, LAKE TAHOE
10336715 MARLETTE CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°10'20", long 119°54'25" referenced to North American Datum of 1927, in SE ¼ SW ¼ 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.--2.86 mi².

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 National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor. Flow regulated at Marlette Lake 300 ft upstream. [See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70 ft³/s, February 20, 1986, gage height, 3.20 ft; no flow at times, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5.6 ft³/s, April 21, gage height, 2.02 ft; minimum daily discharge, 0.01 ft³/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.02	0.06	0.09	e0.03	e0.02	e2.9	3.7	0.55	3.4	0.04	0.03	0.03
2	0.02	0.06	0.09	e0.03	e0.02	e2.8	3.6	0.52	3.1	0.03	0.02	0.02
3	0.02	0.06	0.09	e0.03	e0.01	e2.9	3.5	0.55	3.0	0.03	0.01	0.02
4	0.02	0.06	0.09	e0.03	e0.01	e3.5	3.6	0.59	2.7	0.03	0.02	0.02
5	0.01	0.08	0.09	e0.02	e0.01	e3.5	3.8	0.89	2.5	0.03	0.02	0.01
6	0.01	0.08	0.09	e0.02	e0.01	e3.4	3.8	1.2	2.4	0.04	0.02	0.01
7	0.02	0.08	0.08	e0.02	e0.01	e3.2	3.8	1.8	2.1	0.02	0.02	0.02
8	0.01	0.08	0.07	e0.02	e0.01	e3.1	3.9	2.1	1.3	0.02	0.02	0.03
9	0.02	0.07	0.06	e0.02	e0.01	e3.0	4.0	2.0	1.2	0.02	0.02	0.03
10	0.02	0.09	0.04	e0.02	e0.01	e2.9	4.0	2.0	1.2	0.02	0.03	0.02
11	0.03	0.09	0.03	e0.02	e0.01	e2.8	4.0	2.1	1.0	0.02	0.03	0.02
12	0.05	0.11	0.04	e0.02	e0.01	e2.7	4.1	2.1	0.97	0.02	0.03	0.01
13	0.06	0.12	0.06	e0.02	e0.01	e2.6	4.3	2.1	0.91	0.02	0.03	0.02
14	0.06	0.12	0.04	e0.02	e0.01	2.5	4.3	1.7	0.86	0.02	0.03	0.02
15	0.03	0.12	0.03	e0.02	e0.01	2.5	4.3	1.6	0.83	0.02	0.03	0.02
16	0.05	0.11	0.03	e0.02	e0.01	2.5	3.7	1.5	0.72	0.03	0.03	0.03
17	0.06	0.09	0.04	e0.02	e0.01	2.5	3.6	1.5	0.56	0.03	0.03	0.02
18	0.06	0.09	0.04	e0.02	e0.02	2.6	3.6	1.6	0.46	0.03	0.03	0.02
19	0.07	0.10	0.04	e0.02	e0.02	2.6	4.2	1.5	0.40	0.03	0.03	0.05
20	0.09	0.09	0.04	e0.02	e0.02	2.5	5.1	1.4	0.36	0.03	0.03	0.07
21	0.05	0.10	e0.03	e0.02	e0.03	2.5	4.7	1.4	0.26	0.03	0.03	0.06
22	0.01	0.07	e0.03	e0.02	e0.03	2.6	4.1	1.4	0.20	0.03	0.03	0.06
23	0.03	0.08	e0.03	e0.02	e0.03	2.7	3.9	1.3	0.20	0.03	0.03	0.07
24	0.04	0.09	e0.03	e0.02	e0.04	3.1	3.8	1.2	0.17	0.03	0.03	0.08
25	0.05	0.09	e0.03	e0.02	e0.10	3.5	3.4	1.0	0.13	0.03	0.03	0.06
26	0.07	0.09	e0.03	e0.02	e0.25	4.2	2.8	1.0	0.10	0.03	0.03	0.04
27	0.02	0.09	e0.03	e0.02	e0.50	3.8	2.8	3.2	0.08	0.03	0.03	0.05
28	0.04	0.09	e0.03	e0.02	e1.3	3.6	2.2	4.6	0.07	0.03	0.04	0.05
29	0.04	0.09	e0.03	e0.02	e2.9	3.6	0.94	4.1	0.06	0.03	0.03	0.06
30	0.05	0.09	e0.03	e0.02	---	3.6	0.64	3.8	0.05	0.02	0.03	0.05
31	0.06	---	e0.03	e0.02	---	3.7	---	3.6	---	0.04	0.03	---
TOTAL	1.19	2.64	1.51	0.66	5.43	93.9	108.18	55.90	31.29	0.86	0.85	1.07
MEAN	0.04	0.09	0.05	0.02	0.19	3.03	3.61	1.80	1.04	0.03	0.03	0.04
MAX	0.09	0.12	0.09	0.03	2.9	4.2	5.1	4.6	3.4	0.04	0.04	0.08
MIN	0.01	0.06	0.03	0.02	0.01	2.5	0.64	0.52	0.05	0.02	0.01	0.01
AC-FT	2.4	5.2	3.0	1.3	11	186	215	111	62	1.7	1.7	2.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2004, BY WATER YEAR (WY)

MEAN	0.48	1.23	1.89	2.74	3.89	3.74	4.18	5.22	4.20	1.41	0.42	0.25
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	0.02	0.03	0.02	0.01	0.00	0.04	0.02	0.11	0.04	0.01	0.02	0.02
(WY)	(1988)	(1980)	(1991)	(1993)	(1993)	(1977)	(1991)	(1977)	(1976)	(1990)	(2003)	(1975)

TRUCKEE RIVER BASIN, LAKE TAHOE

10336715 MARLETTE CREEK NEAR CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1974 - 2004	
ANNUAL TOTAL	288.52		303.48			
ANNUAL MEAN	0.79		0.83		2.46	
HIGHEST ANNUAL MEAN					8.29 1983	
LOWEST ANNUAL MEAN					0.06 1977	
HIGHEST DAILY MEAN	6.0	Apr 14	5.1	Apr 20	63	Feb 19, 1986
LOWEST DAILY MEAN	0.01	Sep 6	0.01	Oct 5	0.00	Jul 12, 1975
ANNUAL SEVEN-DAY MINIMUM	0.01	Sep 3	0.01	Feb 3	0.00	Jan 22, 1993
MAXIMUM PEAK FLOW			5.6	Apr 21	70	Feb 20, 1986
MAXIMUM PEAK STAGE			2.02	Apr 21	3.20	Feb 20, 1986
ANNUAL RUNOFF (AC-FT)	572		602		1,780	
10 PERCENT EXCEEDS	4.2		3.5		6.6	
50 PERCENT EXCEEDS	0.06		0.05		0.69	
90 PERCENT EXCEEDS	0.02		0.02		0.03	

e Estimated

TRUCKEE RIVER BASIN, LAKE TAHOE

10336730 GLENBROOK CREEK AT GLENBROOK, NV

LOCATION.--Lat 39°05'15", long 119°56'20" referenced to North American Datum of 1927, in NE ¼ SE ¼ 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 mi².

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 National Geodetic Vertical Datum 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 Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 144 ft³/s, January 2, 1997, gage height, 6.46 ft; no flow August 12, 1994.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5.0 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
March 18	2015	*7.3	*2.06	No other peaks greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.20	1.2	0.58	1.0	0.99	1.2	3.4	2.5	1.1	0.52	0.08	0.05
2	0.21	1.2	0.52	0.96	0.98	1.2	2.8	2.6	1.1	0.50	0.09	0.05
3	0.22	1.3	0.52	0.91	1.0	1.1	2.9	2.6	1.1	0.42	0.10	0.06
4	0.22	1.2	0.51	0.87	1.00	1.1	3.4	2.7	1.2	0.36	0.11	0.08
5	0.22	1.3	0.66	0.87	0.98	1.1	3.7	2.5	1.1	0.32	0.10	0.09
6	0.22	1.2	0.97	0.99	0.91	1.3	3.7	2.3	e1.1	0.30	0.08	0.08
7	0.22	1.3	e1.0	1.00	0.88	1.7	3.1	2.7	e1.1	0.32	0.09	0.08
8	0.22	1.3	1.00	1.0	0.96	2.3	3.3	2.3	e1.2	0.35	0.08	0.08
9	0.21	e1.1	0.93	1.0	0.88	2.7	3.4	2.0	1.2	e0.33	0.07	0.08
10	0.21	1.1	0.98	1.0	0.90	3.2	3.3	1.9	1.1	e0.28	0.06	0.04
11	0.24	1.0	0.94	0.97	0.84	3.2	3.0	2.6	0.98	e0.25	0.05	0.03
12	0.24	1.0	0.94	0.94	0.84	3.2	3.1	1.9	0.90	e0.23	0.05	0.03
13	0.22	0.96	1.1	0.93	e0.85	3.4	3.3	1.7	0.88	e0.20	0.05	0.04
14	0.25	0.90	1.1	0.99	0.86	3.6	3.0	1.6	0.83	e0.18	0.05	0.06
15	0.24	0.98	0.98	1.00	0.85	3.8	2.8	1.5	0.72	0.15	0.08	0.09
16	0.24	0.92	1.0	0.95	e0.88	4.3	2.7	1.5	0.69	0.17	0.14	0.13
17	0.25	0.92	1.0	0.96	e0.90	4.6	2.6	1.4	0.69	0.17	0.10	0.15
18	0.28	0.74	1.0	0.96	e0.94	5.3	2.3	1.4	0.71	0.16	0.06	0.14
19	0.30	0.72	1.0	0.93	e0.98	5.4	2.3	1.4	0.69	0.19	0.05	0.17
20	0.34	0.79	1.1	0.98	1.0	5.4	2.2	1.4	0.70	0.19	0.05	0.26
21	0.37	0.82	1.2	1.1	1.0	5.7	2.1	1.4	0.63	0.18	0.05	0.30
22	0.37	0.61	1.2	1.1	1.0	5.9	2.1	1.4	0.50	0.19	0.06	0.28
23	0.39	0.61	1.2	1.2	1.0	5.8	2.0	1.3	0.45	0.17	0.08	0.26
24	0.37	0.62	e1.2	1.1	1.0	5.1	2.1	1.3	0.39	0.16	0.09	0.25
25	0.38	0.60	1.2	1.1	e1.0	4.5	2.3	1.3	0.38	0.13	0.07	0.25
26	0.37	0.63	1.0	1.1	e1.0	4.0	2.4	1.2	0.35	0.09	0.07	0.26
27	0.42	0.58	0.89	1.1	e1.1	3.5	2.6	1.2	0.31	0.10	0.07	0.26
28	0.45	0.59	0.93	1.1	1.1	3.3	2.7	1.6	0.33	0.06	0.07	0.26
29	0.54	0.64	0.96	1.0	1.1	3.4	2.5	1.4	0.35	0.07	0.05	0.26
30	0.59	0.60	0.93	1.0	---	3.5	2.4	1.2	0.44	0.07	0.05	0.32
31	0.89	---	0.92	1.0	---	3.5	---	1.2	---	0.07	0.05	---
TOTAL	9.89	27.43	29.46	31.11	27.72	107.3	83.5	55.0	23.22	6.88	2.25	4.49
MEAN	0.32	0.91	0.95	1.00	0.96	3.46	2.78	1.77	0.77	0.22	0.07	0.15
MAX	0.89	1.3	1.2	1.2	1.1	5.9	3.7	2.7	1.2	0.52	0.14	0.32
MIN	0.20	0.58	0.51	0.87	0.84	1.1	2.0	1.2	0.31	0.06	0.05	0.03
AC-FT	20	54	58	62	55	213	166	109	46	14	4.5	8.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2004, BY WATER YEAR (WY)

MEAN	0.75	1.01	1.08	1.49	1.33	2.45	3.16	4.42	2.40	0.88	0.54	0.51
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	0.08	0.01	0.04
(WY)	(1993)	(1993)	(1991)	(1991)	(1991)	(1991)	(1991)	(1992)	(1992)	(1991)	(1994)	(1994)

TRUCKEE RIVER BASIN, LAKE TAHOE
10336730 GLENBROOK CREEK AT GLENBROOK, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1972 - 2004	
ANNUAL TOTAL	395.33		408.25			
ANNUAL MEAN	1.08		1.12		1.72	
HIGHEST ANNUAL MEAN					3.97	
LOWEST ANNUAL MEAN					0.36	
HIGHEST DAILY MEAN	4.2	May 24	5.9	Mar 22	85	Jan 2, 1997
LOWEST DAILY MEAN	0.05	Jul 19	0.03	Sep 11	0.00	Aug 12, 1994
ANNUAL SEVEN-DAY MINIMUM	0.06	Jul 16	0.05	Sep 8	0.00	Aug 11, 1994
MAXIMUM PEAK FLOW			7.3	Mar 18	144	Jan 2, 1997
MAXIMUM PEAK STAGE			2.06	Mar 18	6.46	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	784		810		1,250	
10 PERCENT EXCEEDS	2.3		2.8		3.7	
50 PERCENT EXCEEDS	0.92		0.93		1.0	
90 PERCENT EXCEEDS	0.13		0.08		0.17	

e Estimated

TRUCKEE RIVER BASIN, LAKE TAHOE
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 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered, uS/cm 25 deg C (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water, fltrd, mg/L as N (00631)
OCT													
07...	1440	.24	--	--	--	--	518	19.5	10.0	--	.15	.005	.004
NOV													
05...	0905	1.2	--	--	--	--	509	2.0	2.5	--	.15	<.003	.004
DEC													
04...	1055	.47	606	10.9	101	8.0	483	6.5	2.5	.09	.21	<.003	.002
JAN													
06...	1100	.92	--	--	--	--	490	2.0	.0	--	.11	.005	.010
FEB													
05...	1425	1.0	--	--	--	--	515	.0	-.5	--	.12	.007	.010
MAR													
05...	1400	1.1	608	9.8	91	8.0	570	5.5	2.8	.12	.26	.007	.010
09...	1250	2.2	--	--	--	--	650	7.0	4.0	.13	.20	.006	.043
16...	1155	3.6	--	--	--	--	580	12.0	4.0	.18	.26	<.003	.083
23...	1100	5.5	--	--	--	--	499	13.0	4.5	.15	.21	<.003	.035
29...	1545	3.2	--	--	--	--	531	16.5	7.0	.17	.17	<.003	.014
APR													
09...	1255	3.2	--	--	--	--	391	13.5	7.0	--	.19	.004	.009
15...	1425	2.6	--	--	--	--	378	7.5	7.0	.15	.19	<.003	.008
23...	1315	2.1	--	--	--	--	391	11.0	7.0	.12	.16	.004	.012
27...	1650	2.6	--	--	--	--	341	15.0	11.0	.14	.16	.005	.009
MAY													
05...	1620	2.2	--	--	--	--	310	16.5	11.5	.16	.27	.003	.008
21...	1305	1.4	--	--	--	--	362	15.0	9.0	.15	.15	.011	.014
JUN													
03...	1615	1.0	610	7.0	85	8.0	415	20.0	14.0	.17	.28	.006	.016
15...	1110	.84	--	--	--	--	441	21.0	11.0	.16	.16	.004	.017
JUL													
05...	1645	.30	--	--	--	--	494	25.0	15.0	--	.20	.011	.023
AUG													
05...	1705	.11	--	--	--	--	520	20.5	12.5	--	.62	.007	.025
SEP													
10...	1505	.03	611	7.6	87	7.9	527	23.0	11.2	.20	.20	.013	.023

TRUCKEE RIVER BASIN, LAKE TAHOE

10336730 GLENBROOK CREEK AT GLENBROOK, NV—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
07...	.013	.024	.032	3	<.01
NOV					
05...	.013	.024	.026	3	.01
DEC					
04...	.010	.016	.019	2	<.01
JAN					
06...	.007	.016	.017	1	<.01
FEB					
05...	.009	.016	.025	3	.01
MAR					
05...	.009	.014	.038	5	.01
09...	.008	.016	.033	3	.02
16...	.008	.017	.034	6	.06
23...	.009	.015	.042	6	.09
29...	.007	.014	.034	6	.05
APR					
09...	.007	.016	.033	2	.02
15...	.009	.016	.025	9	.06
23...	.009	.014	.022	3	.02
27...	.011	.018	.030	5	.04
MAY					
05...	.011	.020	.030	4	.02
21...	.014	.024	.046	4	.02
JUN					
03...	.017	.025	.037	5	.01
15...	.016	.026	.035	3	.01
JUL					
05...	.019	.034	.044	5	<.01
AUG					
05...	.012	.031	.134	18	.01
SEP					
10...	.011	.024	.055	14	<.01

Remark codes used in this table:

< -- Less than

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE
10336740 LOGAN HOUSE CREEK NEAR GLENBROOK, NV

LOCATION.--Lat 39°04'00", long 119°56'04" referenced to North American Datum of 1927, in NW ¼ NW ¼ sec. 23, T.14 N., R.18 E., Douglas County, Hydrologic Unit 16050101, 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 mi².

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Records poor. One small diversion 50 ft upstream from station for domestic use. [See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12.0 ft³/s, January 2, 1997 and June 12, 1998, gage height, 4.75 ft; no flow many days in 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge recorded, 2.5 ft³/s, gage height 4.37 ft, March 31, but may have been higher during period of missing gage height record, February 20 to March 29; minimum daily, 0.05 ft, many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.10	0.19	e0.27	e0.20	0.20	e0.22	1.0	0.79	0.21	0.08	0.05	0.07
2	0.09	0.19	0.28	e0.20	e0.19	e0.24	0.86	0.72	0.16	0.08	0.05	0.07
3	0.10	0.19	0.27	e0.18	e0.19	e0.27	0.93	0.66	0.15	0.08	0.05	0.07
4	0.10	0.19	0.28	e0.18	e0.18	e0.31	1.0	0.60	0.14	0.08	0.06	0.07
5	0.09	e0.20	0.40	e0.17	e0.18	e0.37	1.3	0.45	0.13	0.08	0.05	0.07
6	0.09	e0.20	0.46	e0.17	e0.17	e0.42	0.93	0.45	0.10	0.08	0.05	0.08
7	0.09	e0.20	0.41	e0.16	0.17	e0.47	0.86	0.55	0.09	0.08	0.05	0.07
8	0.09	e0.20	0.31	e0.15	0.19	e0.58	0.86	0.55	0.12	0.07	0.05	0.07
9	0.09	e0.20	0.35	e0.14	0.16	e0.60	0.86	0.50	0.16	0.07	0.05	0.07
10	0.10	e0.20	0.26	0.14	0.16	e0.74	1.0	0.39	0.16	0.07	0.05	0.07
11	0.10	e0.20	0.27	0.16	0.15	e0.88	0.79	0.43	0.14	0.07	0.05	0.07
12	0.11	e0.20	0.26	0.16	0.15	e0.90	0.93	0.46	0.12	0.08	0.05	0.07
13	0.11	e0.20	0.28	0.18	0.15	e0.95	0.86	0.46	0.11	0.07	0.05	0.07
14	0.11	e0.20	0.27	0.22	0.15	e1.0	0.72	0.40	0.11	0.07	0.05	0.08
15	0.11	e0.20	e0.27	0.20	0.13	e1.1	0.66	0.38	0.10	0.06	0.08	0.07
16	0.11	e0.20	e0.27	0.24	0.20	e1.2	0.66	0.37	0.09	0.05	0.09	0.07
17	0.12	e0.20	0.27	0.22	0.20	e1.3	0.72	0.35	0.09	0.05	0.08	0.08
18	0.12	e0.20	0.25	0.18	0.14	e1.5	0.60	0.34	0.09	0.05	0.07	0.08
19	0.12	e0.20	0.26	0.18	e0.12	e1.7	0.60	0.32	0.09	0.05	0.07	0.09
20	0.12	e0.20	0.28	0.17	e0.14	e1.8	0.66	0.32	0.08	0.05	0.07	0.10
21	0.12	e0.20	0.27	0.17	e0.15	e2.0	0.72	0.31	0.08	0.05	0.07	0.10
22	0.12	e0.20	0.26	0.18	e0.14	e1.9	0.72	0.30	0.08	0.05	0.07	0.10
23	0.14	e0.20	0.28	0.21	e0.16	e1.8	0.79	0.29	0.08	0.05	0.08	0.10
24	0.14	e0.20	e0.27	0.21	e0.18	e1.6	0.86	0.28	0.08	0.05	0.08	0.09
25	0.14	e0.21	0.27	0.20	e0.17	e1.5	1.3	0.27	0.08	0.05	0.08	0.09
26	0.14	e0.22	e0.26	0.20	e0.16	e1.4	1.3	0.26	0.08	0.05	0.07	0.09
27	0.16	e0.23	e0.26	0.19	e0.17	e1.3	1.4	0.25	0.08	0.05	0.07	0.09
28	0.16	e0.24	e0.25	0.19	e0.18	e1.2	1.4	0.41	0.08	0.05	0.07	0.09
29	0.17	e0.25	e0.24	0.19	e0.20	e1.1	0.93	0.31	0.08	0.05	0.07	0.10
30	0.18	e0.26	e0.23	0.20	---	1.2	0.79	0.26	0.08	0.05	0.07	0.11
31	0.18	---	e0.22	0.20	---	1.7	---	0.24	---	0.05	0.07	---
TOTAL	3.72	6.17	8.78	5.74	4.83	33.25	27.01	12.67	3.24	1.92	1.97	2.45
MEAN	0.12	0.21	0.28	0.19	0.17	1.07	0.90	0.41	0.11	0.06	0.06	0.08
MAX	0.18	0.26	0.46	0.24	0.20	2.0	1.4	0.79	0.21	0.08	0.09	0.11
MIN	0.09	0.19	0.22	0.14	0.12	0.22	0.60	0.24	0.08	0.05	0.05	0.07
AC-FT	7.4	12	17	11	9.6	66	54	25	6.4	3.8	3.9	4.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

MEAN	0.35	0.41	0.41	0.41	0.39	0.67	1.26	1.49	0.83	0.37	0.23	0.25
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	0.04	0.06	0.00	0.05	0.07	0.09	0.15	0.01	0.01	0.01	0.00	0.01
(WY)	(1989)	(1992)	(1992)	(1992)	(1991)	(1991)	(1992)	(1992)	(1992)	(1991)	(1988)	(1988)

TRUCKEE RIVER BASIN, LAKE TAHOE

10336740 LOGAN HOUSE CREEK NEAR GLENBROOK, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1984 - 2004	
ANNUAL TOTAL	114.45		111.75			
ANNUAL MEAN	0.31		0.31		0.59	
HIGHEST ANNUAL MEAN					1.73	
LOWEST ANNUAL MEAN					0.05	
HIGHEST DAILY MEAN	4.1	May 26	2.0	Mar 21	8.7	Jan 2, 1997
LOWEST DAILY MEAN	0.05	Aug 17	0.05	Jul 16	0.00	Jul 13, 1988
ANNUAL SEVEN-DAY MINIMUM	0.06	Aug 11	0.05	Jul 16	0.00	Jul 13, 1988
MAXIMUM PEAK FLOW					12	
MAXIMUM PEAK STAGE					4.75	
ANNUAL RUNOFF (AC-FT)	227		222		428	
10 PERCENT EXCEEDS	0.54		0.86		1.4	
50 PERCENT EXCEEDS	0.18		0.18		0.32	
90 PERCENT EXCEEDS	0.07		0.07		0.05	

e Estimated

TRUCKEE RIVER BASIN, LAKE TAHOE

10336740 LOGAN HOUSE CREEK NEAR GLENBROOK, NV—Continued

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 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
07...	1315	.10	--	--	--	--	155	19.0	7.0	--	.15	<.003	.002
NOV													
05...	1010	E.20	--	--	--	--	140	2.0	2.0	--	.14	<.003	.002
DEC													
04...	1130	.28	598	11.0	100	8.2	130	2.5	1.4	.09	.12	<.003	.011
JAN													
07...	0935	E.16	--	--	--	--	131	1.5	.5	--	.59	.004	.018
FEB													
05...	1325	E.18	--	--	--	--	133	-.5	-.5	--	.16	.003	.028
MAR													
05...	1255	E.37	599	11.3	103	8.1	137	5.5	1.5	.10	.15	.005	.024
09...	1410	E.60	--	--	--	--	131	6.0	2.5	.20	.19	.005	.021
16...	1315	E1.2	--	--	--	--	127	10.0	2.0	.18	.26	<.003	.020
23...	0930	E1.8	--	--	--	--	120	5.0	1.5	.31	.47	.004	.015
29...	1425	E1.1	--	--	--	--	122	14.5	2.5	.23	.26	<.003	.013
APR													
09...	1150	.79	--	--	--	--	106	9.5	2.5	--	.24	.005	.010
15...	1305	.79	--	--	--	--	104	8.5	3.5	.20	.22	<.003	.009
21...	1625	.86	--	--	--	--	106	4.5	4.0	.20	.24	.003	.011
27...	1530	1.0	--	--	--	--	105	19.0	7.0	.20	.28	.005	.010
MAY													
05...	1500	.49	--	--	--	--	115	17.5	8.0	.22	.32	.003	.005
21...	1205	.32	--	--	--	--	128	12.0	5.5	.14	.21	.003	.007
JUN													
03...	1500	.16	604	8.5	94	8.2	141	18.5	9.5	.16	.16	.004	.008
15...	0955	.10	--	--	--	--	150	18.0	7.5	.12	.14	.003	.011
JUL													
05...	1550	.05	--	--	--	--	151	28.5	10.0	--	.11	.004	.016
AUG													
04...	1635	.04	--	--	--	--	157	21.0	9.5	--	.08	.003	.019
SEP													
08...	1520	.06	604	8.8	96	8.2	156	25.5	8.7	.11	.14	.006	.012

TRUCKEE RIVER BASIN, LAKE TAHOE

10336740 LOGAN HOUSE CREEK NEAR GLENBROOK, NV—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
07...	.002	.012	.011	2	<.01
NOV					
05...	.001	.008	.011	2	E.01
DEC					
04...	.002	.005	.008	1	<.01
JAN					
07...	.001	.007	.015	3	E.01
FEB					
05...	.002	.013	.013	1	E.01
MAR					
05...	.002	.010	.020	1	E.01
09...	.002	.013	.015	3	E.01
16...	.002	.018	.024	4	E.01
23...	.003	.009	.014	4	E.02
29...	.002	.010	.018	3	E.01
APR					
09...	.002	.016	.017	4	.01
15...	.002	.012	.013	6	.01
21...	.002	.007	.014	6	.01
27...	.003	.007	.014	7	.02
MAY					
05...	.002	.014	.015	5	.01
21...	.003	.011	.013	2	<.01
JUN					
03...	.003	.011	.012	3	<.01
15...	.002	.011	.015	3	<.01
JUL					
05...	.003	.010	.015	1	<.01
AUG					
04...	.002	.016	.025	2	<.01
SEP					
08...	.002	.009	.018	1	<.01

Remark codes used in this table:

< -- Less than
E -- Estimated value

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE
103367592 EAGLE ROCK CREEK NEAR STATELINE, NV

LOCATION.--Lat 38°57'24", long 119°55'36" referenced to North American Datum of 1927, in NE ¼ SW ¼ 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 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 6,480 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. [See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4.0 ft³/s, January 2, 1997, gage height, 5.68 ft; maximum gage height 6.22 ft, December 17, 2002, backwater from ice; minimum daily, 0.19 ft³/s, September 16-25, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1.2 ft³/s, March 22, gage height, 5.76 ft; minimum daily discharge, 0.39 ft³/s, October 3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.40	0.48	0.52	0.50	e0.70	0.87	0.74	0.75	0.66	0.50	0.44	0.44
2	0.40	0.48	0.52	0.54	e0.72	0.87	0.75	0.75	0.66	0.48	0.44	0.44
3	0.39	0.48	0.52	0.59	e0.74	0.87	0.86	0.75	0.65	0.48	0.44	0.44
4	0.40	0.50	0.52	0.60	e0.76	0.85	0.96	0.73	0.63	0.47	0.44	0.46
5	0.40	0.52	0.56	0.63	e0.78	0.81	1.0	0.72	0.62	0.46	0.44	0.46
6	0.40	0.52	0.57	0.63	e0.78	0.79	1.0	0.72	0.63	0.45	0.42	0.46
7	0.40	0.52	0.55	0.66	e0.78	0.79	1.0	0.70	0.63	0.44	0.42	0.45
8	0.40	0.52	0.49	e0.68	e0.79	0.81	1.0	0.69	0.60	0.45	0.42	0.45
9	0.40	0.57	0.46	e0.70	e0.79	0.83	0.91	0.69	0.60	0.46	0.42	0.46
10	0.40	0.57	0.47	e0.70	e0.80	0.84	0.87	0.66	0.60	0.46	0.42	0.48
11	0.40	0.57	0.48	e0.70	e0.81	0.87	0.82	0.68	0.60	0.46	0.42	0.50
12	0.40	0.57	0.50	e0.70	e0.82	0.87	0.84	0.68	0.60	0.46	0.42	0.53
13	0.40	0.57	0.50	e0.70	e0.83	0.87	0.87	0.66	0.62	0.46	0.42	0.55
14	0.41	0.57	0.50	e0.69	e0.83	0.88	0.87	0.66	0.63	0.47	0.42	0.57
15	0.40	0.57	e0.50	e0.69	e0.83	0.87	0.87	0.66	0.63	0.46	0.43	0.59
16	0.41	0.57	0.47	e0.69	0.92	0.78	0.87	0.66	0.63	0.46	0.44	0.59
17	0.42	0.58	0.50	e0.70	0.88	0.74	0.87	0.66	0.63	0.46	0.43	0.59
18	0.41	0.59	0.51	e0.70	0.87	0.75	0.87	0.66	0.62	0.46	0.43	0.59
19	0.40	0.60	0.52	e0.70	0.87	0.78	0.87	0.66	0.60	0.46	0.42	0.57
20	0.40	0.60	0.53	e0.70	0.87	0.75	0.87	0.63	0.60	0.46	0.42	0.57
21	0.40	0.60	0.55	e0.70	0.87	0.79	0.87	0.65	0.57	0.45	0.42	0.57
22	0.42	e0.60	0.56	e0.70	0.87	0.94	0.87	0.66	0.60	0.44	0.42	0.57
23	0.46	e0.59	0.57	e0.70	0.87	0.95	0.87	0.66	0.55	0.45	0.42	0.56
24	0.46	0.58	e0.56	e0.70	0.87	0.93	0.87	0.66	0.55	0.44	0.42	0.54
25	0.46	0.57	e0.56	e0.70	0.87	0.85	0.78	0.66	0.53	0.44	0.43	0.52
26	0.46	0.57	e0.56	e0.69	0.87	0.83	0.78	0.66	0.52	0.46	0.44	0.52
27	0.46	0.53	e0.55	e0.69	0.87	0.83	0.79	0.66	0.53	0.45	0.44	0.51
28	0.46	0.53	e0.55	e0.68	0.87	0.80	0.79	0.70	0.52	0.45	0.44	0.50
29	0.46	0.53	e0.55	e0.68	0.87	0.78	0.79	0.69	0.52	0.44	0.44	0.50
30	0.46	0.52	0.51	e0.68	---	0.71	0.77	0.67	0.50	0.44	0.44	0.50
31	0.46	---	0.50	e0.69	---	0.72	---	0.66	---	0.45	0.44	---
TOTAL	13.00	16.57	16.21	20.81	24.00	25.62	25.89	21.10	17.83	14.17	13.30	15.48
MEAN	0.42	0.55	0.52	0.67	0.83	0.83	0.86	0.68	0.59	0.46	0.43	0.52
MAX	0.46	0.60	0.57	0.70	0.92	0.95	1.0	0.75	0.66	0.50	0.44	0.59
MIN	0.39	0.48	0.46	0.50	0.70	0.71	0.74	0.63	0.50	0.44	0.42	0.44
AC-FT	26	33	32	41	48	51	51	42	35	28	26	31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	0.78	0.80	0.77	0.82	0.82	0.86	0.91	0.84	0.72	0.67	0.68	0.72
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)

TRUCKEE RIVER BASIN, LAKE TAHOE
 103367592 EAGLE ROCK CREEK NEAR STATELINE, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	211.18		223.98			
ANNUAL MEAN	0.58		0.61		0.81	
HIGHEST ANNUAL MEAN					1.42 1999	
LOWEST ANNUAL MEAN					0.31 1992	
HIGHEST DAILY MEAN	1.0	May 14	1.0	Apr 5	3.6	Jan 2, 1997
LOWEST DAILY MEAN	0.39	Oct 3	0.39	Oct 3	0.19	Sep 16, 1991
ANNUAL SEVEN-DAY MINIMUM	0.40	Oct 1	0.40	Oct 1	0.19	Sep 16, 1991
MAXIMUM PEAK FLOW			1.2	Mar 22	4.0	Jan 2, 1997
MAXIMUM PEAK STAGE			5.76	Mar 22	6.22	Dec 17, 2002
ANNUAL RUNOFF (AC-FT)	419		444		585	
10 PERCENT EXCEEDS	0.72		0.87		1.4	
50 PERCENT EXCEEDS	0.57		0.57		0.69	
90 PERCENT EXCEEDS	0.46		0.42		0.28	

e Estimated

TRUCKEE RIVER BASIN, LAKE TAHOE

103367592 EAGLE ROCK CREEK NEAR STATELINE, NV—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: March to September 2003.

INSTRUMENTATION.--Water temperature recorder March to September 2003, 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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 14.0°C, July 21, 2003; minimum, freezing point on several days in March and April, 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 deg C (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia +		Ammonia	
										org-N, water, fltrd, mg/L as N (00623)	org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd, mg/L as N (00610)
OCT													
07...	0945	.40	--	--	--	--	56	9.5	6.5	.07	.18	.003	.006
NOV													
05...	1415	.52	--	--	--	--	53	3.5	2.9	.07	.12	<.003	.009
DEC													
04...	1510	.52	602	10.7	102	7.8	52	--	3.3	.06	.15	<.003	.007
JAN													
07...	1350	.66	--	--	--	--	52	1.5	2.5	.04	.20	.004	.009
FEB													
05...	1040	E.78	--	--	--	--	52	-1.5	1.0	.05	.13	.005	.008
17...	1525	.87	--	--	--	--	54	3.0	2.9	.08	.27	.003	.008
MAR													
05...	1035	.83	603	10.5	98	7.7	52	3.5	2.7	.06	.12	.003	.007
08...	1515	.83	--	--	--	--	54	3.5	3.4	.07	.14	.004	.007
15...	1400	.87	--	--	--	--	56	9.5	4.2	.18	.43	<.003	.016
19...	1005	.72	--	--	--	--	61	8.0	3.7	.22	.42	.004	.008
22...	1500	.95	--	--	--	--	62	12.0	5.3	.16	.84	.003	.011
29...	1235	.75	--	--	--	--	61	13.5	5.4	.07	.20	<.003	.014
APR													
05...	1615	1.0	--	--	--	--	60	10.0	6.2	.13	.25	<.003	.014
09...	1435	.87	--	--	--	--	60	12.5	6.1	.11	.14	.004	.012
15...	1125	.87	--	--	--	--	58	9.5	3.5	.07	.10	.003	.015
23...	1120	.87	--	--	--	--	54	9.5	3.8	.06	.16	.003	.008
26...	1755	.79	--	--	--	--	59	16.5	7.8	.08	.18	.006	.015
MAY													
05...	1150	.72	--	--	--	--	57	14.0	6.8	<.04	.18	.004	.007
21...	1025	.66	--	--	--	--	55	9.0	4.8	.08	.22	.004	.008
JUN													
04...	1115	.66	606	9.1	97	7.8	56	20.0	7.9	.05	.17	.003	.010
15...	1505	.63	--	--	--	--	57	22.5	10.4	.08	.15	.003	.011
JUL													
05...	1425	.46	--	--	--	--	57	24.0	11.4	.08	.33	.004	.008
AUG													
05...	1405	.42	--	--	--	--	55	21.0	9.3	.05	.11	.005	.009
SEP													
10...	1145	.48	596	9.4	101	7.8	56	23.5	7.8	.12	.40	.006	.009

TRUCKEE RIVER BASIN, LAKE TAHOE

103367592 EAGLE ROCK CREEK NEAR STATELINE, NV—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)	¹ Nitrite + nitrate water unfltrd mg/L as N (00630)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Ortho-phosphate, water, unfltrd mg/L as P (70507)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Iron (bio reactive), water, fltrd, ug/L (63673)	Iron (bio reactive), water, unfltrd ug/L (46568)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT										
07...	.026	.031	.024	.03	.031	.068	54	249	10	.01
NOV										
05...	.023	.023	.022	.03	.028	.039	37	212	5	.01
DEC										
04...	.050	.051	.024	.03	.028	.041	35	246	8	.01
JAN										
07...	.069	.077	.024	.03	.029	.032	44	438	13	.02
FEB										
05...	.088	.089	.023	.03	.030	.045	41	276	9	E.02
17...	.104	.104	.028	.04	.039	.066	72	470	20	.05
MAR										
05...	.091	.093	.023	.03	.029	.045	57	234	7	.02
08...	.083	.083	.025	.03	.034	.057	71	351	12	.03
15...	.232	.238	.027	.04	.038	.074	120	646	24	.06
19...	.465	.470	.025	.03	.032	.053	135	537	33	.06
22...	.602	.613	.030	.07	.037	.178	130	607	128	.33
29...	.417	.423	.025	.03	.031	.055	82	404	17	.03
APR										
05...	.492	.501	.027	.04	.034	.066	60	671	13	.04
09...	.474	.479	.026	.03	.035	.063	57	421	23	.05
15...	.378	.499	.023	.03	.030	.044	51	400	18	.04
23...	.294	.305	.022	.03	.028	.038	48	257	9	.02
26...	.273	.277	.023	.03	.028	.050	43	350	20	.04
MAY										
05...	.169	.173	.022	.03	.026	.042	40	279	11	.02
21...	.104	.109	.020	.03	.027	.052	38	241	9	.02
JUN										
04...	.041	.044	.019	.03	.027	.053	176	412	33	.06
15...	.030	.032	.020	.02	.027	.051	30	538	17	.03
JUL										
05...	.028	.029	.021	.02	.032	.042	26	365	32	.04
AUG										
05...	.025	.025	.017	.02	.029	.052	--	260	9	.01
SEP										
10...	.025	.256	.016	.03	.025	.069	29	851	24	.03

Remark codes used in this table:

< -- Less than

E -- Estimated value

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE
10336760 EDGEWOOD CREEK AT STATELINE, NV

LOCATION.--Lat 38°57'58", long 119°56'10" referenced to North American Datum of 1927, in NE ¼ NE ¼ 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 mi².

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 National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Discharge affected by slight regulation and diversion for irrigation. [See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 136 ft³/s, January 2, 1997, gage height, 6.14 ft; minimum daily, 0.14 ft³/s, May 10, 2002, due to temporary diversion upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13 ft³/s, March 22, gage height, 4.41 ft; minimum daily discharge, 1.3 ft³/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	2.0	2.6	2.8	2.9	3.1	6.1	4.3	3.1	2.2	2.2	1.5
2	1.8	2.0	2.5	2.6	2.9	3.2	6.5	4.3	3.1	2.2	2.2	1.5
3	1.7	2.0	2.5	2.5	2.9	3.1	5.9	3.2	3.1	2.1	2.2	1.5
4	1.7	2.0	2.5	2.5	3.0	3.2	5.7	2.7	3.1	2.1	1.9	1.5
5	1.7	2.0	2.5	2.4	3.0	3.3	5.8	3.1	3.1	2.1	1.8	1.5
6	1.6	2.0	2.6	2.4	3.1	3.3	5.8	3.7	3.0	2.1	1.8	1.5
7	1.6	2.0	2.7	2.7	3.1	3.3	5.8	3.7	3.1	2.1	1.8	1.5
8	1.6	2.0	2.7	3.0	3.1	3.5	5.8	3.7	3.0	2.1	1.8	1.5
9	2.0	2.2	2.7	3.1	3.1	3.7	5.8	3.7	3.0	2.1	1.8	1.6
10	2.2	2.2	2.7	3.1	3.1	4.1	5.8	3.7	2.9	2.1	1.7	2.3
11	2.3	2.2	2.7	3.2	3.1	4.2	5.7	3.7	2.8	2.1	1.4	2.9
12	2.1	2.3	2.7	3.1	3.1	5.1	5.6	3.7	2.8	2.1	1.3	2.4
13	2.0	2.4	2.7	3.1	3.0	5.5	5.6	3.7	2.8	2.0	1.3	2.2
14	1.8	2.3	2.5	3.1	2.8	5.9	4.9	3.7	2.7	2.0	1.3	2.1
15	1.7	2.4	2.5	3.1	2.7	6.2	4.2	3.5	2.8	2.0	1.3	2.0
16	1.6	2.4	2.5	3.1	2.9	6.8	4.3	3.5	2.7	2.0	1.3	2.0
17	1.5	2.5	2.5	3.1	3.2	7.6	4.3	3.2	2.3	1.9	1.3	1.7
18	1.6	2.5	2.5	3.1	3.4	7.7	4.3	3.0	1.7	2.0	1.3	1.4
19	1.6	2.5	2.5	3.1	3.4	8.1	4.3	3.1	1.7	1.5	1.3	1.4
20	1.7	2.6	2.5	3.1	3.4	9.2	4.3	3.1	1.7	1.3	1.3	1.4
21	2.0	2.9	2.5	3.1	3.4	9.7	4.3	3.1	2.3	1.3	1.3	1.5
22	2.2	2.9	2.5	3.0	3.4	12	4.4	3.1	2.5	1.4	1.3	1.5
23	2.2	2.7	2.5	3.0	3.4	12	4.4	3.1	2.4	1.4	1.3	1.5
24	2.1	2.7	2.6	3.0	3.4	9.2	4.4	3.0	2.3	1.4	1.4	2.1
25	2.1	2.7	3.7	2.9	3.4	7.7	4.4	3.1	2.2	1.4	1.4	2.3
26	2.1	2.7	4.3	2.9	3.4	7.2	4.4	3.1	2.2	1.7	1.4	2.3
27	2.1	2.7	4.0	2.9	3.4	6.6	4.4	3.1	2.1	1.7	1.4	2.2
28	2.1	2.7	3.7	2.8	3.4	5.8	4.4	3.1	2.2	1.7	1.5	2.3
29	2.1	2.6	3.5	2.8	3.2	4.5	4.4	3.1	2.2	2.1	1.5	2.3
30	2.1	2.6	3.2	2.9	---	4.2	4.4	3.1	2.2	2.2	1.4	2.3
31	2.0	---	3.0	2.9	---	5.1	---	3.2	---	2.2	1.4	---
TOTAL	58.8	71.7	87.1	90.4	91.6	184.1	150.4	104.4	77.1	58.6	47.6	55.7
MEAN	1.90	2.39	2.81	2.92	3.16	5.94	5.01	3.37	2.57	1.89	1.54	1.86
MAX	2.3	2.9	4.3	3.2	3.4	12	6.5	4.3	3.1	2.2	2.2	2.9
MIN	1.5	2.0	2.5	2.4	2.7	3.1	4.2	2.7	1.7	1.3	1.3	1.4
AC-FT	117	142	173	179	182	365	298	207	153	116	94	110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	3.20	3.60	4.00	4.94	4.70	6.33	7.45	7.30	4.49	2.86	2.69	2.98
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	1.54	1.47
(WY)	(1993)	(1993)	(1993)	(1993)	(1993)	(1994)	(1994)	(1994)	(1994)	(1994)	(2004)	(1993)

TRUCKEE RIVER BASIN, LAKE TAHOE
10336760 EDGEWOOD CREEK AT STATELINE, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	1,002.4		1,077.5			
ANNUAL MEAN	2.75		2.94		4.54	
HIGHEST ANNUAL MEAN					7.71 1999	
LOWEST ANNUAL MEAN					2.17 1994	
HIGHEST DAILY MEAN	6.5	Mar 27	12	Mar 22	102	Jan 2, 1997
LOWEST DAILY MEAN	1.3	Jul 17	1.3	Jul 20	0.14	May 10, 2002
ANNUAL SEVEN-DAY MINIMUM	1.3	Jul 17	1.3	Aug 12	1.3	Sep 23, 1993
MAXIMUM PEAK FLOW			13	Mar 22	136	Jan 2, 1997
MAXIMUM PEAK STAGE			4.41	Mar 22	6.14	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	1,990		2,140		3,290	
10 PERCENT EXCEEDS	4.6		4.4		8.2	
50 PERCENT EXCEEDS	2.5		2.7		3.8	
90 PERCENT EXCEEDS	1.6		1.5		1.7	

TRUCKEE RIVER BASIN, LAKE TAHOE
10336760 EDGEWOOD CREEK AT STATELINE, NV—Continued

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 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
07...	1125	1.6	--	--	--	--	94	15.5	9.0	--	.11	.007	.011
NOV													
05...	1320	2.0	--	--	--	--	91	4.5	4.0	--	.12	<.003	.011
DEC													
04...	1435	2.5	606	10.4	100	7.9	92	10.0	4.0	.07	.12	<.003	.023
JAN													
07...	1200	2.7	--	--	--	--	100	1.5	3.0	--	.13	.031	.040
FEB													
05...	0935	3.0	--	--	--	--	112	-5.0	1.5	.14	.20	.028	.047
MAR													
05...	0930	3.1	606	10.3	97	7.6	139	2.0	3.1	.10	.22	.022	.044
08...	1335	3.5	--	--	--	--	163	8.0	3.5	.12	.19	.009	.043
15...	1230	6.4	--	--	--	--	162	10.0	4.5	.24	.28	.003	.057
22...	1325	12	--	--	--	--	148	11.0	4.5	.31	.36	.004	.064
29...	1015	3.8	--	--	--	--	163	8.0	4.5	.17	.25	.007	.062
APR													
05...	1510	5.8	--	--	--	--	130	13.0	6.0	--	.19	.005	.099
15...	0955	4.1	--	--	--	--	123	7.0	6.0	.16	.17	<.003	.072
23...	0955	4.4	--	--	--	--	124	8.5	6.0	.12	.24	<.003	.040
26...	1630	4.4	--	--	--	--	110	16.0	7.5	.14	.16	.004	.048
MAY													
05...	1025	2.8	--	--	--	--	110	15.0	9.0	.13	.17	.003	.022
21...	0900	3.1	--	--	--	--	120	7.5	7.5	.11	.15	.010	.011
JUN													
04...	0945	3.1	610	8.8	100	8.2	115	14.5	11.0	.09	.27	.004	.010
15...	1350	2.7	--	--	--	--	105	22.0	11.5	.11	.11	.003	.007
JUL													
05...	1320	2.0	--	--	--	--	99	22.5	12.0	--	.35	.006	.005
AUG													
05...	1100	1.7	--	--	--	--	96	18.0	12.0	--	.17	.004	.014
SEP													
10...	1010	1.6	610	8.6	97	7.8	93	14.5	10.6	.08	.13	.007	.013

TRUCKEE RIVER BASIN, LAKE TAHOE

10336760 EDGEWOOD CREEK AT STATELINE, NV—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
07...	.012	.025	.025	2	.01
NOV					
05...	.011	.017	.029	4	.02
DEC					
04...	.014	.018	.026	4	.03
JAN					
07...	.014	.026	.028	3	.02
FEB					
05...	.014	.021	.030	2	.02
MAR					
05...	.011	.017	.047	6	.05
08...	.011	.018	.034	4	.04
15...	.012	.024	.037	3	.05
22...	.008	.018	.053	23	.75
29...	.013	.031	.036	5	.05
APR					
05...	.011	.021	.036	4	.06
15...	.008	.015	.029	6	.07
23...	.006	.010	.025	4	.05
26...	.007	.013	.022	11	.13
MAY					
05...	.007	.014	.025	3	.02
21...	.008	.017	.026	4	.03
JUN					
04...	.011	.019	.032	4	.03
15...	.012	.024	.034	3	.02
JUL					
05...	.014	.026	.036	2	.01
AUG					
05...	.011	.024	.037	3	.01
SEP					
10...	.010	.019	.032	3	.01

Remark codes used in this table:

< -- Less than

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

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

LOCATION.--Lat 38°51'48", long 119°57'26" referenced to North American Datum of 1927, in NE ¼ NW ¼ 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.--7.4 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 6,850 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 166 ft³/s, June 27, 1995, gage height, 6.19 ft; minimum daily, 1.9 ft³/s, December 21, 1990.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 4	2145	*28	*4.82				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	4.7	4.7	4.4	3.9	4.0	9.7	17	17	10	4.7	4.1
2	4.6	e4.7	4.7	4.6	4.0	4.0	9.4	19	17	9.8	4.6	4.1
3	4.6	4.6	4.6	4.5	4.0	4.0	10	22	17	9.4	4.7	4.2
4	4.6	e4.6	4.6	e4.5	3.9	3.9	11	23	16	8.8	4.6	4.2
5	4.6	4.7	6.2	4.4	e3.9	3.9	11	23	16	8.6	4.6	4.1
6	4.5	4.7	5.8	4.3	3.9	4.1	11	22	16	8.5	4.5	4.1
7	4.5	4.7	5.1	4.3	3.9	4.3	11	20	15	8.3	4.5	4.1
8	4.4	4.7	5.0	4.2	e4.0	4.9	12	19	15	8.0	4.5	4.1
9	4.5	4.8	5.3	4.3	4.0	5.2	12	19	14	7.7	4.4	4.0
10	4.5	4.8	4.5	4.3	4.0	5.4	12	19	14	7.5	4.4	4.0
11	4.6	5.2	4.7	4.3	3.8	5.4	13	19	14	7.3	4.4	4.0
12	4.6	4.7	e4.6	4.3	3.8	5.7	14	17	13	7.0	4.4	4.0
13	4.7	4.7	4.5	4.2	3.8	5.8	14	17	13	6.4	4.5	4.0
14	4.5	4.7	e4.4	4.2	3.8	6.2	14	17	13	6.4	4.5	4.1
15	4.3	4.7	e4.3	4.2	3.8	6.7	13	17	13	6.5	4.6	4.1
16	4.4	4.7	e4.3	4.2	6.1	7.0	13	18	12	6.6	4.5	4.1
17	4.3	4.7	4.3	4.1	5.4	7.2	12	18	12	6.4	4.4	4.1
18	4.3	4.7	4.3	4.1	4.6	7.8	11	18	12	6.3	4.3	4.1
19	4.3	4.8	4.4	4.1	4.3	8.5	11	18	11	6.2	4.4	4.3
20	4.3	4.9	4.5	4.1	4.2	9.2	12	17	12	6.1	4.4	4.6
21	4.3	4.7	4.3	4.1	4.2	10	12	17	12	5.9	4.3	4.4
22	4.3	e4.7	4.3	e4.1	4.1	10	12	16	12	5.7	4.4	4.2
23	4.3	e4.6	4.3	4.0	4.0	11	12	16	12	5.7	4.4	4.1
24	4.3	e4.6	4.9	4.0	4.0	11	13	16	11	5.6	4.4	3.9
25	4.3	4.5	4.7	4.0	e4.0	10	13	16	11	5.5	4.3	3.8
26	4.3	e4.5	4.7	4.1	e4.0	9.3	14	16	11	5.2	4.3	3.8
27	4.3	e4.6	e4.7	4.0	e4.0	8.7	15	17	11	5.0	4.3	3.8
28	4.3	4.6	e4.7	4.0	4.0	8.9	17	23	11	4.9	4.2	3.8
29	4.3	4.9	e4.6	4.0	4.0	9.4	16	19	11	4.9	4.2	3.8
30	4.4	4.8	4.8	4.0	---	10	17	17	10	4.8	4.1	3.7
31	4.5	---	4.6	4.0	---	10	---	17	---	4.7	4.1	---
TOTAL	137.2	141.3	145.4	129.9	119.4	221.5	377.1	569	394	209.7	136.9	121.7
MEAN	4.43	4.71	4.69	4.19	4.12	7.15	12.6	18.4	13.1	6.76	4.42	4.06
MAX	4.7	5.2	6.2	4.6	6.1	11	17	23	17	10	4.7	4.6
MIN	4.3	4.5	4.3	4.0	3.8	3.9	9.4	16	10	4.7	4.1	3.7
AC-FT	272	280	288	258	237	439	748	1,130	781	416	272	241

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

	4.90	5.21	5.48	6.25	5.16	6.48	10.3	24.1	29.1	14.3	6.96	5.36
MEAN	4.90	5.21	5.48	6.25	5.16	6.48	10.3	24.1	29.1	14.3	6.96	5.36
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)

TRUCKEE RIVER BASIN, LAKE TAHOE

10336770 TROUT CREEK AT USFS ROAD 12N01 NEAR MEYERS CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	3,313.1		2,703.1			
ANNUAL MEAN	9.08		7.39		10.5	
HIGHEST ANNUAL MEAN					19.8	1995
LOWEST ANNUAL MEAN					4.48	1992
HIGHEST DAILY MEAN	58	Jun 4	23	May 4	130	Jun 28, 1995
LOWEST DAILY MEAN	4.1	Sep 9	3.7	Sep 30	1.9	Dec 21, 1990
ANNUAL SEVEN-DAY MINIMUM	4.2	Mar 1	3.8	Sep 24	2.4	Dec 17, 1990
MAXIMUM PEAK FLOW			28	May 4	166	Jun 27, 1995
MAXIMUM PEAK STAGE			4.82	May 4	6.19	Jun 27, 1995
ANNUAL RUNOFF (AC-FT)	6,570		5,360		7,630	
10 PERCENT EXCEEDS	19		16		22	
50 PERCENT EXCEEDS	4.9		4.7		5.8	
90 PERCENT EXCEEDS	4.3		4.0		3.3	

e Estimated

TRUCKEE RIVER BASIN, LAKE TAHOE

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

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: September 1997 to September 2003, discontinued.

INSTRUMENTATION.--Water temperature recorder September 1997 to September 2003, 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 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water, fltrd, mg/L as N (00631)
OCT													
08...	1445	4.5	--	--	--	--	55	18.5	6.6	--	.07	.003	.002
NOV													
06...	1310	4.7	--	--	--	--	53	.5	1.0	--	.10	<.003	.002
DEC													
01...	1140	4.7	--	--	--	--	54	6.5	1.5	.04	.07	<.003	.005
FEB													
09...	1140	3.8	--	--	--	--	52	-.5	.0	--	.10	.003	.014
APR													
07...	1020	10	--	--	--	--	36	7.0	2.0	--	.20	<.003	.011
MAY													
04...	1115	20	--	--	--	--	25	18.0	4.0	.11	.22	.005	.007
17...	1450	17	--	--	--	--	26	12.5	8.0	.09	.12	.004	.004
JUN													
03...	1015	17	596	8.9	96	7.7	28	20.5	7.8	.09	.10	.005	.004
14...	1525	12	--	--	--	--	33	22.0	11.5	.12	.16	.006	.009
JUL													
07...	1550	8.2	--	--	--	--	44	19.5	12.0	--	.09	.004	.006
AUG													
04...	1440	4.7	--	--	--	--	51	17.5	9.0	--	.08	.003	.006
SEP													
08...	1040	4.2	598	9.7	101	7.8	56	18.5	6.5	.06	.11	.005	.002

TRUCKEE RIVER BASIN, LAKE TAHOE

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
08...	.009	.016	.018	1	.01
NOV					
06...	.009	.014	.021	1	.01
DEC					
01...	.010	.013	.018	7	.09
FEB					
09...	.010	.019	.024	1	.01
APR					
07...	.008	.015	.022	2	.05
MAY					
04...	.006	.011	.023	7	.38
17...	.007	.012	.020	5	.23
JUN					
03...	.009	.013	.018	4	.18
14...	.008	.015	.022	3	.10
JUL					
07...	.010	.018	.022	3	.07
AUG					
04...	.010	.025	.026	3	.04
SEP					
08...	.008	.017	.020	1	.01

Remark codes used in this table:

< -- Less than

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE

10336775 TROUT CREEK AT PIONEER TRAIL NEAR SOUTH LAKE TAHOE CA

LOCATION (REVISED).--Lat 38°54'12.22", long 119°58'08.01" referenced to North American Datum of 1983, in SE ¼ NE ¼ 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.--23.7 mi².

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 Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 525 ft³/s, January 2, 1997, gage height, 7.59 ft; minimum daily, 2.0 ft³/s, December 22, 1990.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 5	0145	*43	*2.13				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	8.1	8.4	e9.0	e9.0	9.2	27	29	27	11	7.2	6.0
2	8.2	e8.2	8.1	e9.0	8.9	9.1	25	31	27	11	7.2	6.0
3	8.6	8.3	8.1	e9.0	e9.0	9.1	26	35	26	11	7.0	6.1
4	8.2	e8.3	9.1	e9.0	e9.0	e9.0	28	37	26	10	6.6	6.4
5	7.9	8.3	11	e9.0	e9.0	9.7	28	39	25	10	6.4	6.3
6	7.7	e8.2	13	e9.0	e9.0	9.4	29	38	25	9.6	6.3	6.3
7	7.1	8.2	14	e9.0	e9.0	10	28	35	25	9.5	6.3	6.1
8	7.1	8.1	11	e9.0	e9.0	11	29	35	24	9.2	6.3	6.0
9	7.0	8.3	e11	e9.0	e9.0	12	30	35	24	9.0	6.3	6.0
10	7.0	e8.3	10	e9.0	e9.0	14	29	36	23	8.7	6.2	6.0
11	7.2	e8.3	9.5	e9.0	e9.0	14	29	34	22	8.6	6.1	6.0
12	7.2	e8.3	e9.0	e9.0	e9.0	15	29	31	21	8.4	6.1	6.1
13	7.1	8.4	e9.0	e9.0	e9.0	15	30	30	20	8.1	6.2	6.2
14	7.2	e8.3	e9.0	e9.0	e9.0	17	28	30	20	7.9	6.4	6.2
15	7.1	8.2	e9.0	e9.0	e9.0	19	26	30	19	7.8	6.3	6.4
16	7.1	8.2	e9.0	e9.0	e9.0	20	25	30	19	7.8	6.5	6.3
17	7.1	8.2	e9.0	e9.0	e9.0	21	24	31	19	7.7	6.3	6.3
18	7.1	8.3	e9.0	e9.0	e9.0	23	23	30	18	7.7	6.3	6.3
19	7.1	8.3	e9.0	e9.0	e9.0	26	23	29	17	7.6	6.3	6.5
20	7.1	8.6	e9.0	e9.0	e9.0	27	23	29	16	7.8	6.3	7.1
21	7.1	8.3	9.4	e9.0	9.3	29	24	28	16	7.7	6.2	7.3
22	7.1	e8.2	9.3	e9.0	9.0	32	23	28	15	7.5	6.2	7.0
23	7.1	e8.4	9.2	e9.0	8.8	33	22	27	14	7.4	6.4	6.9
24	7.1	e8.5	e9.0	e9.0	8.8	31	23	27	13	7.7	6.3	6.7
25	7.2	8.6	e9.0	e9.0	8.6	29	25	27	13	7.6	6.2	6.6
26	7.2	e8.6	e9.0	e9.0	e9.0	26	26	26	12	7.5	6.3	6.5
27	7.2	e8.6	e9.0	e9.0	e9.0	25	28	26	12	7.5	6.3	6.5
28	7.2	8.6	e9.0	e9.0	e9.0	24	30	34	11	7.5	6.3	6.5
29	7.2	8.7	e9.0	e9.0	e9.0	26	29	29	11	7.4	6.2	6.6
30	7.2	8.8	e9.0	e9.0	---	28	28	27	12	7.3	6.1	6.7
31	7.5	---	e9.0	e9.0	---	28	---	27	---	7.2	6.1	---
TOTAL	227.1	250.7	294.1	279.0	260.4	610.5	797	960	572	260.7	197.2	191.9
MEAN	7.33	8.36	9.49	9.00	8.98	19.7	26.6	31.0	19.1	8.41	6.36	6.40
MAX	8.6	8.8	14	9.0	9.3	33	30	39	27	11	7.2	7.3
MIN	7.0	8.1	8.1	9.0	8.6	9.0	22	26	11	7.2	6.1	6.0
AC-FT	450	497	583	553	517	1,210	1,580	1,900	1,130	517	391	381

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	8.78	9.93	11.3	16.4	14.1	20.3	29.1	52.9	56.5	29.2	12.3	8.98
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)

TRUCKEE RIVER BASIN, LAKE TAHOE

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

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	6,639.3		4,900.6			
ANNUAL MEAN	18.2		13.4		22.9	
HIGHEST ANNUAL MEAN					46.9	
LOWEST ANNUAL MEAN					7.71	
HIGHEST DAILY MEAN	111	May 30	39	May 5	457	Jan 2, 1997
LOWEST DAILY MEAN	6.5	Jan 21	6.0	Sep 1	2.0	Dec 22, 1990
ANNUAL SEVEN-DAY MINIMUM	6.6	Jan 15	6.1	Sep 7	2.8	Dec 21, 1990
MAXIMUM PEAK FLOW			43	May 5	525	Jan 2, 1997
MAXIMUM PEAK STAGE			2.13	May 5	7.59	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	13,170		9,720		16,620	
10 PERCENT EXCEEDS	37		28		53	
50 PERCENT EXCEEDS	9.4		9.0		12	
90 PERCENT EXCEEDS	7.2		6.3		5.4	

e Estimated

TRUCKEE RIVER BASIN, LAKE TAHOE

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 September 2003, discontinued.

INSTRUMENTATION.--Water temperature recorder September 1997 to September 2003, 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 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)
OCT													
08...	1300	7.3	--	--	--	--	57	21.5	9.5	--	.09	.003	.003
NOV													
06...	1100	E8.2	--	--	--	--	56	5.5	.5	--	.13	<.003	.002
DEC													
03...	1320	8.1	606	10.7	99	7.8	57	9.5	2.5	.09	.11	<.003	.005
JAN													
08...	1315	E9.0	--	--	--	--	54	5.5	.0	--	.10	.003	.017
FEB													
06...	1025	E9.0	--	--	--	--	57	-1.0	.0	--	.12	.005	.017
MAR													
04...	1020	E9.0	604	11.4	99	7.5	56	2.0	.1	.12	.13	.006	.016
18...	1505	22	--	--	--	--	59	15.0	5.5	.29	.31	.003	.027
APR													
08...	0935	29	--	--	--	--	44	9.5	3.0	--	.26	.005	.020
13...	0925	30	--	--	--	--	41	9.0	3.5	.17	.27	.003	.017
22...	1605	23	--	--	--	--	45	7.0	6.5	.14	.18	<.003	.010
27...	1230	27	--	--	--	--	40	18.0	7.0	.16	.19	.006	.017
MAY													
04...	1250	35	--	--	--	--	31	17.5	8.0	.12	.14	.003	.015
17...	1610	30	--	--	--	--	32	12.5	10.5	.13	.13	.004	.006
JUN													
03...	1210	27	608	9.0	104	7.6	31	22.0	11.6	.09	.19	.004	.005
14...	1635	20	--	--	--	--	35	20.5	15.0	.09	.09	<.003	.005
JUL													
07...	1740	9.4	--	--	--	--	47	23.5	19.0	--	.13	.013	.009
AUG													
04...	1240	6.7	--	--	--	--	54	21.5	14.0	--	.08	.006	.003
SEP													
08...	1230	6.4	610	9.8	113	7.7	59	24.5	11.5	.10	.12	.005	.003

TRUCKEE RIVER BASIN, LAKE TAHOE

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
08...	.009	.019	.017	1	.02
NOV					
06...	.008	.014	.022	5	E.11
DEC					
03...	.008	.012	.017	1	.02
JAN					
08...	.007	.011	.016	3	E.07
FEB					
06...	.006	.014	.025	1	E.02
MAR					
04...	.007	.015	.028	6	E.15
18...	.011	.019	.030	8	.48
APR					
08...	.007	.018	.035	9	.70
13...	.007	.017	.025	6	.49
22...	.007	.013	.018	3	.19
27...	.006	.013	.022	5	.36
MAY					
04...	.007	.015	.031	10	.95
17...	.007	.013	.030	5	.41
JUN					
03...	.008	.015	.030	8	.58
14...	.009	.015	.024	5	.27
JUL					
07...	.009	.019	.026	1	.03
AUG					
04...	.009	.023	.028	2	.04
SEP					
08...	.007	.015	.024	1	.02

TRUCKEE RIVER BASIN, LAKE TAHOE

10336780 TROUT CREEK NEAR TAHOE VALLEY, CA

LOCATION.--Lat 38°55'12", long 119°58'17" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec. 03, 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 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 6,241.57 ft above National Geodetic Vertical Datum 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 Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 535 ft³/s, February 1, 1963, gage height, 11.14 ft, and January 2, 1997, gage height, 9.33 ft, from rating curve extended above 250 ft³/s on basis of computation of peak flow (weir formula); minimum daily, 2.5 ft³/s, September 7, 1988.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 6	0215	*58	*5.71				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	17	16	e17	e17	17	37	41	40	25	12	9.7
2	13	e15	16	e17	e17	16	33	43	40	23	12	9.6
3	13	e16	15	e17	e17	16	37	47	41	22	13	9.7
4	13	e16	15	e17	e17	17	41	49	41	21	12	10
5	13	18	e17	e17	e17	16	42	52	41	20	12	10
6	15	e16	e17	e17	e17	17	43	52	42	19	12	9.8
7	14	17	e17	e17	e17	17	41	48	42	18	11	9.6
8	13	16	17	e18	e17	19	42	48	41	17	11	9.4
9	13	e16	e17	e18	e17	20	42	47	40	17	11	9.4
10	14	e17	e17	e18	e17	22	42	48	39	17	11	9.3
11	14	e17	e17	18	e17	22	41	49	37	16	11	9.2
12	14	e17	e17	18	e17	23	43	46	36	15	11	9.3
13	14	17	e17	e18	e16	25	44	44	34	15	11	9.4
14	14	19	e17	e17	15	29	41	44	33	14	12	9.4
15	15	17	e17	e17	14	32	39	43	32	14	11	9.7
16	14	16	e17	e17	e18	34	36	42	32	14	12	9.6
17	14	16	e17	e17	e18	36	36	42	32	14	11	9.5
18	13	15	e17	e17	18	37	34	42	31	e15	11	9.5
19	13	16	e18	e17	17	41	33	41	30	15	11	10
20	13	16	18	18	19	41	34	40	29	e14	11	11
21	13	15	17	e17	19	44	35	40	28	e14	11	11
22	14	15	e17	e17	18	47	34	39	27	e13	11	11
23	14	e16	e17	e17	18	47	33	39	26	13	11	11
24	13	e17	e17	e17	17	44	34	38	25	13	11	10
25	13	19	e17	e17	e17	42	36	38	25	13	11	10
26	13	e17	e17	e17	e17	39	38	37	25	13	10	10
27	13	e16	e17	e17	e17	35	40	38	24	13	10	9.9
28	14	15	e17	e17	e17	35	43	50	25	13	10	10
29	14	16	e17	e17	e17	38	42	44	23	12	10	10
30	14	16	e17	18	---	40	40	41	24	12	10	10
31	14	---	e17	e18	---	39	---	41	---	12	9.8	---
TOTAL	421	492	523	536	496	947	1,156	1,353	985	486	343.8	296.0
MEAN	13.6	16.4	16.9	17.3	17.1	30.5	38.5	43.6	32.8	15.7	11.1	9.87
MAX	15	19	18	18	19	47	44	52	42	25	13	11
MIN	13	15	15	17	14	16	33	37	23	12	9.8	9.2
AC-FT	835	976	1,040	1,060	984	1,880	2,290	2,680	1,950	964	682	587

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2004, BY WATER YEAR (WY)

MEAN	17.0	19.4	20.7	24.0	24.5	29.7	43.2	76.6	90.1	48.0	23.6	17.0
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)

TRUCKEE RIVER BASIN, LAKE TAHOE
10336780 TROUT CREEK NEAR TAHOE VALLEY, CA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1961 - 2004	
ANNUAL TOTAL	10,697		8,034.8			
ANNUAL MEAN	29.3		22.0		36.2	
HIGHEST ANNUAL MEAN					85.3	
LOWEST ANNUAL MEAN					10.2	
HIGHEST DAILY MEAN	130	May 30	52	May 5	501	Jan 2, 1997
LOWEST DAILY MEAN	13	Jan 9	9.2	Sep 11	2.5	Sep 7, 1988
ANNUAL SEVEN-DAY MINIMUM	13	Jan 9	9.3	Sep 8	3.0	Sep 9, 1977
MAXIMUM PEAK FLOW			58	May 6	535	Feb 1, 1963
MAXIMUM PEAK STAGE			5.71	May 6	11.14	Feb 1, 1963
ANNUAL RUNOFF (AC-FT)	21,220		15,940		26,200	
10 PERCENT EXCEEDS	67		41		80	
50 PERCENT EXCEEDS	18		17		22	
90 PERCENT EXCEEDS	13		11		9.1	

e Estimated

TRUCKEE RIVER BASIN, LAKE TAHOE
10336790 TROUT CREEK AT SOUTH LAKE TAHOE, CA

LOCATION.--Lat 38°55'56", long 119°58'40" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec. 03, 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 mi².

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 September 2003, discontinued.

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

INSTRUMENTATION.--Water temperature recorder September 1997 to September 2003, 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 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
08...	1100	15	--	--	--	--	54	19.0	8.4	--	.13	.003	.003
NOV													
06...	1500	E17	--	--	--	--	52	6.0	1.5	--	.10	<.003	.003
DEC													
03...	1120	16	607	11.2	100	7.6	56	9.0	1.5	.07	.11	<.003	.007
JAN													
08...	1040	E19	--	--	--	--	54	7.5	.0	--	.11	.004	.021
FEB													
06...	1150	E18	--	--	--	--	58	2.0	.0	--	.12	.007	.022
17...	1150	E19	--	--	--	--	50	6.5	.5	.19	.34	.007	.027
MAR													
04...	1120	20	605	11.2	100	7.4	58	2.5	1.1	.12	.16	.006	.019
08...	1005	19	--	--	--	--	60	7.0	1.5	.08	.17	.004	.012
15...	0915	33	--	--	--	--	61	4.5	2.5	.18	.28	.003	.024
22...	1000	46	--	--	--	--	52	9.5	3.0	.26	.35	<.003	.029
30...	1405	38	--	--	--	--	51	15.0	8.0			<.003	.019
APR													
08...	1055	44	--	--	--	--	45	11.5	4.5	--	.16	.005	.021
13...	1445	44	--	--	--	--	43	9.0	7.5	.14	.26	.003	.017
22...	1725	36	--	--	--	--	47	10.0	8.5	.16	.22	<.003	.015
27...	1105	41	--	--	--	--	43	15.5	6.5	.15	.21	.007	.017
MAY													
03...	1130	50	--	--	--	--	35	16.0	7.5	.17	.40	.004	.021
06...	1050	55	--	--	--	--	32	14.0	6.5	.13	.29	.003	.016
17...	1715	44	--	--	--	--	34	13.0	12.0	.11	.21	.006	.008
21...	1050	44	--	--	--	--	37	10.5	6.0	.11	.20	.004	.009
JUN													
03...	1335	44	610	8.2	98	7.5	34	21.5	13.0	.14	.26	.003	.008
14...	0905	37	--	--	--	--	36	12.5	8.5	.08	.17	.004	.008
JUL													
07...	1005	21	--	--	--	--	44	21.5	13.5	--	.18	.009	.005
AUG													
04...	1100	14	--	--	--	--	50	20.5	12.5	--	.20	.003	.004
SEP													
08...	1355	11	612	8.3	106	7.9	54	25.0	16.4	.08	.13	.006	.003

TRUCKEE RIVER BASIN, LAKE TAHOE

10336790 TROUT CREEK AT SOUTH LAKE TAHOE, CA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
08...	.009	.017	.020	1	.04
NOV					
06...	.008	.013	.019	2	E.09
DEC					
03...	.007	.013	.018	2	.09
JAN					
08...	.006	.014	.018	3	E.15
FEB					
06...	.007	.018	.025	5	E.24
17...	.005	.022	.047	13	E.67
MAR					
04...	.007	.013	.026	9	.49
08...	.005	.014	.027	5	.26
15...	.006	.015	.040	10	.89
22...	.008	.017	.038	13	1.6
30...	.009	.025	.032	8	.82
APR					
08...	.007	.022	.032	7	.83
13...	.008	.017	.027	7	.83
22...	.009	.018	.025	6	.58
27...	.008	.013	.025	7	.77
MAY					
03...	.007	.014	.036	19	2.6
06...	.007	.014	.036	13	1.9
17...	.009	.016	.049	21	2.5
21...	.007	.019	.029	9	1.1
JUN					
03...	.009	.018	.044	19	2.3
14...	.009	.015	.031	13	1.3
JUL					
07...	.009	.019	.034	12	.68
AUG					
04...	.011	.021	.038	10	.38
SEP					
08...	.008	.021	.028	4	.12

Remark codes used in this table:

< -- Less than
E -- Estimated value

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE
10337000 LAKE TAHOE AT TAHOE CITY, CA

LOCATION.—Lat 39°10'51", long 120°07'06", in NE ¼ NE ¼ 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, and 1.8 mi northeast of Lake Tahoe outlet dam on Truckee River, at Tahoe City.

DRAINAGE AREA.—506 mi², 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 the NGVD of 1929. Prior to Oct. 1, 1957, nonrecording gages at several sites near outlet of lake at same datum except for water years 1907 and 1908, which were at datum 5.5 ft higher. Oct. 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 Sept. 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 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 Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.—Maximum elevation, 6,231.26 ft, July 14, 15, 17, 18, 1907; minimum, 6,220.26 ft, Nov. 30, 1992.

EXTREMES FOR CURRENT YEAR.—Maximum elevation, 6,224.30 ft, June 4, 5, 13, 14; minimum, 6,222.84 ft, Sept. 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 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.63	3.19	2.87	3.38	3.34	3.74	3.91	4.03	4.29	4.19	3.80	3.29
2	3.61	3.14	2.87	3.42	3.39	3.75	3.90	4.04	4.29	4.18	3.77	3.27
3	3.61	3.16	2.86	3.42	3.39	3.72	3.91	4.06	4.29	4.17	3.75	3.24
4	3.59	3.11	2.86	3.41	3.39	3.73	3.91	4.07	4.30	4.16	3.74	3.21
5	3.58	3.13	2.86	3.40	3.38	3.72	3.92	4.09	4.30	4.15	3.70	3.20
6	3.58	3.11	2.98	3.38	3.37	3.73	3.92	4.09	4.29	4.15	3.68	3.19
7	3.56	3.10	3.00	3.39	3.39	3.72	3.93	4.10	4.26	4.12	3.68	3.19
8	3.55	3.08	2.98	3.40	3.39	3.73	3.95	4.13	4.28	4.12	3.67	3.18
9	3.49	3.12	2.95	3.38	3.36	3.74	3.96	4.13	4.28	4.08	3.65	3.16
10	3.47	3.11	3.04	3.39	3.36	3.73	3.96	4.13	4.29	4.08	3.64	3.15
11	3.48	3.13	3.06	3.39	3.36	3.74	3.98	4.17	4.29	4.07	3.63	3.14
12	3.44	3.10	3.04	3.40	3.36	3.74	3.98	4.18	4.28	4.05	3.64	3.12
13	3.44	3.07	3.02	3.39	3.35	3.74	3.97	4.18	4.30	4.03	3.62	3.09
14	3.41	3.07	3.11	3.40	3.34	3.75	3.96	4.20	4.30	4.03	3.60	3.07
15	3.38	3.07	3.10	3.39	3.34	3.76	3.96	4.19	4.29	4.01	3.60	3.06
16	3.37	3.03	3.10	3.39	3.43	3.76	3.97	4.20	4.29	4.01	3.58	3.04
17	3.38	3.05	3.09	3.40	3.41	3.77	3.97	4.20	4.28	4.00	3.56	2.99
18	3.36	3.04	3.09	3.39	3.46	3.76	3.96	4.20	4.28	3.99	3.56	2.99
19	3.35	3.01	3.09	3.39	3.46	3.78	3.96	4.20	4.28	3.97	3.55	2.93
20	3.35	2.97	3.11	3.39	3.46	3.79	3.96	4.20	4.27	3.96	3.53	2.94
21	3.34	2.99	3.10	3.38	3.47	3.80	3.98	4.20	4.27	3.96	3.51	2.93
22	3.34	2.96	3.10	3.38	3.48	3.82	3.99	4.19	4.26	3.95	3.48	2.90
23	3.32	2.93	3.09	3.37	3.46	3.82	3.98	4.21	4.26	3.95	3.45	2.89
24	3.31	2.92	3.22	3.37	3.47	3.83	3.98	4.22	4.25	3.93	3.43	2.90
25	3.28	2.91	3.26	3.36	3.58	3.89	3.99	4.21	4.23	3.92	3.40	2.88
26	3.27	2.90	3.24	3.36	3.73	3.87	4.00	4.21	4.22	3.91	3.40	2.87
27	3.25	2.90	3.24	3.37	3.72	3.88	4.00	4.24	4.22	3.90	3.36	2.86
28	3.27	2.88	3.21	3.37	3.72	3.89	4.03	4.25	4.23	3.88	3.34	2.85
29	3.17	2.89	3.32	3.38	3.72	3.90	4.02	4.27	4.20	3.85	3.34	2.86
30	3.18	2.86	3.31	3.36	---	3.90	4.02	4.27	4.20	3.84	3.33	2.84
31	3.19	---	3.31	3.35	---	3.90	---	4.28	---	3.82	3.31	---
MEAN	3.40	3.03	3.08	3.39	3.45	3.79	3.96	4.17	4.27	4.01	3.56	3.04
MAX	3.63	3.19	3.32	3.42	3.73	3.90	4.03	4.28	4.30	4.19	3.80	3.29
MIN	3.17	2.86	2.86	3.35	3.34	3.72	3.90	4.03	4.20	3.82	3.31	2.84
a	23,100	0	37,600	42,500	83,300	106,400	123,500	153,300	143,600	95,600	37,600	0
b	-50,300	-23,100	+37,600	+4,900	+40,800	+23,100	+17,100	+29,800	-9,700	-48,000	-58,000	-37,600
CAL YR 2003	MEAN 3.88	MAX 4.89	MIN 2.86	b -34,700								
WTR YR 2004	MEAN 3.60	MAX 4.30	MIN 2.84	b -73,400								

a Usable contents, in acre-feet, at end of month.
b Change in contents, in acre-feet.

TRUCKEE RIVER BASIN, LAKE TAHOE
10337500 TRUCKEE RIVER AT TAHOE CITY, CA

LOCATION.—Lat 39°09'59", long 120°08'36", in NE ¼ NW ¼ 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.

DRAINAGE AREA.—507 mi².

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 Nov. 12, 1912, nonrecording gage at site 370 ft upstream at different datum. Nov. 12, 1912, to Sept. 30, 1937, nonrecording gage; Oct. 1, 1937, to Aug. 21, 1957, water-stage recorder at datum 2.26 ft higher; and Aug. 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 Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 2,690 ft³/s, Jan. 2, 1997, gage height, 9.59 ft; no flow for parts of many years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	11	0.00	e1.0	28	60	58	91	64	323	146	20
2	80	8.5	0.00	e1.1	30	60	71	92	65	316	134	17
3	77	7.0	0.00	e2.3	34	58	78	93	65	312	129	16
4	74	4.8	0.00	e2.9	35	57	76	95	66	305	124	9.2
5	73	4.5	0.00	e2.6	35	55	77	82	66	300	112	8.2
6	70	5.9	e2.0	e9.7	33	52	76	73	67	295	105	7.0
7	68	5.2	e1.5	e14	36	51	75	70	67	289	100	7.8
8	64	5.9	1.2	e15	35	50	75	70	67	282	98	9.1
9	55	8.4	0.44	e20	40	50	76	70	68	270	94	9.8
10	52	8.2	0.19	e21	33	50	75	70	68	262	93	8.3
11	44	6.9	0.14	e22	31	51	76	70	69	256	92	6.2
12	44	11	e0.30	e20	29	52	77	71	70	253	90	4.0
13	40	3.1	e0.30	e20	29	52	78	70	79	249	89	1.9
14	36	3.0	e0.35	e21	29	51	79	70	138	242	86	1.2
15	32	3.7	e0.35	e23	27	50	80	70	169	237	84	3.0
16	29	3.1	e0.35	e27	34	51	79	70	169	231	80	6.1
17	28	2.7	e0.35	e29	42	51	80	69	169	227	77	6.1
18	27	2.6	e0.40	e32	45	51	81	69	170	219	74	4.5
19	26	2.1	e0.40	35	47	52	82	68	188	213	72	1.7
20	24	0.17	e0.40	41	46	50	84	68	230	210	69	0.00
21	23	0.00	e0.40	37	45	50	85	68	247	204	65	0.00
22	22	0.00	e0.45	31	47	50	86	68	248	203	59	0.00
23	21	0.00	e0.45	31	48	48	85	67	250	199	55	0.00
24	17	0.00	e0.45	30	46	47	86	66	262	193	49	0.00
25	18	0.00	e0.45	30	e47	45	87	66	286	190	40	0.00
26	17	0.00	e0.50	29	e55	43	88	66	301	182	40	0.00
27	17	0.00	e0.50	29	60	43	89	67	313	178	34	0.00
28	17	0.00	e0.60	30	60	44	90	67	340	172	28	0.00
29	14	0.00	e0.70	31	59	45	90	66	336	165	28	0.00
30	13	0.00	e0.80	29	---	46	90	66	329	158	26	0.00
31	11	---	e0.90	28	---	45	---	64	---	151	24	---
TOTAL	1216	107.77	14.87	694.6	1165	1560	2409	2232	5026	7286	2396	147.10
MEAN	39.2	3.59	0.48	22.4	40.2	50.3	80.3	72.0	168	235	77.3	4.90
MAX	83	11	2.0	41	60	60	90	95	340	323	146	20
MIN	11	0.00	0.00	1.0	27	43	58	64	64	151	24	0.00
AC-FT	2410	214	29	1380	2310	3090	4780	4430	9970	14450	4750	292

e Estimated.

TRUCKEE RIVER BASIN, LAKE TAHOE

10337500 TRUCKEE RIVER AT TAHOE CITY, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	179	192	228	236	290	256	176	165	235	276	311	262
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	1932	1927	1925	1925	1925	1925	1919	1919	1921	1931	1931	1931

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1909 - 2004	
ANNUAL TOTAL	38221.64		24254.34			
ANNUAL MEAN	105		66.3		232	
HIGHEST ANNUAL MEAN					1150	
LOWEST ANNUAL MEAN					0.15	
HIGHEST DAILY MEAN	369	Aug 9	340	Jun 28	2630	Jan 3 1997
LOWEST DAILY MEAN	0.00	Nov 21	0.00	Nov 21	0.00	Jan 4 1914
ANNUAL SEVEN-DAY MINIMUM	0.00	Nov 21	0.00	Nov 21	0.00	Jan 23 1914
MAXIMUM PEAK FLOW			357	Jun 28	2690	Jan 2 1997
MAXIMUM PEAK STAGE			4.21	Jun 28	9.59	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	75810		48110		167700	
10 PERCENT EXCEEDS	317		189		467	
50 PERCENT EXCEEDS	69		48		135	
90 PERCENT EXCEEDS	0.66		0.40		0.00	

TRUCKEE RIVER BASIN, LAKE TAHOE
10337500 TRUCKEE RIVER AT TAHOE CITY, CA—Continued

WATER-QUALITY RECORDS

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

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 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Specific conductance, wat unfiltered uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, filtered, mg/L as N (00623)	Ammonia + org-N, water, unfiltered, mg/L as N (00625)	Ammonia water, filtered, mg/L as N (00608)	¹ Nitrite + nitrate water, filtered, mg/L as N (00631)	Orthophosphate, water, filtered, mg/L as P (00671)
DEC 18...	1005	E.40	612	10.5	100	93	4.0	4.0	.06	.14	.004	.003	.001
MAR 12...	1105	50	608	10.2	106	93	6.5	7.2	.07	.13	.006	.006	.001
JUN 11...	0930	69	608	9.2	104	92	14.0	10.8	.06	.11	.005	.002	.001
SEP 17...	1200	7.5	606	8.3	114	119	20.5	19.5	.09	.12	.007	.002	.002

Date	Phosphorus, water, filtered, mg/L (00666)	Phosphorus, water, unfiltered, mg/L (00665)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)
DEC 18...	.004	.007	1	E.01
MAR 12...	.004	.008	1	.14
JUN 11...	.004	.008	2	.37
SEP 17...	.005	.008	2	.04

Remark codes used in this table:

E -- Estimated value

¹ -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

TRUCKEE RIVER BASIN, LAKE TAHOE
10338000 TRUCKEE RIVER NEAR TRUCKEE, CA

LOCATION.—Lat 39°17'47", long 120°12'16", in SW ¼ NE ¼ 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, and 2.5 mi southwest of Truckee.

DRAINAGE AREA.—553 mi².

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.

CHEMICAL DATA: Water years 1951–66.

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-ft. [See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 11,900 ft³/s, Jan. 2, 1997, gage height, 9.97 ft, from rating curve extended above 3,100 ft³/s, on basis of slope-area measurements at gage heights 7.62 ft and 7.92 ft; minimum daily, 3.4 ft³/s, several days in August 1994.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	20	12	e36	46	100	232	313	227	336	157	27
2	92	19	13	e36	52	97	233	351	225	332	147	25
3	86	17	12	e36	56	94	252	393	221	329	140	22
4	85	17	11	35	52	92	284	436	208	317	134	21
5	81	15	15	e51	52	92	324	434	196	310	124	17
6	80	15	114	e55	52	93	322	383	195	305	112	16
7	78	15	137	53	52	98	297	339	187	299	105	15
8	71	15	48	55	53	111	313	325	163	291	104	15
9	67	17	34	66	53	133	319	309	154	283	101	14
10	58	16	32	68	59	155	311	283	141	271	98	14
11	52	15	29	67	48	162	300	245	139	265	97	13
12	51	15	27	65	49	167	309	219	139	260	93	12
13	48	17	31	64	46	177	315	219	144	255	92	11
14	45	14	36	63	42	191	283	234	190	247	90	10
15	41	15	29	63	42	217	261	246	235	242	87	10
16	37	13	27	62	106	227	238	252	232	237	84	9.1
17	34	13	25	61	209	230	225	256	229	234	81	8.8
18	33	13	24	61	140	249	210	239	226	227	78	8.8
19	31	13	24	61	115	276	197	224	230	223	77	8.8
20	31	13	30	63	103	285	207	224	257	219	74	8.8
21	30	13	34	68	95	317	205	219	279	212	70	8.8
22	30	10	30	58	92	334	200	218	277	210	66	8.4
23	28	11	28	58	92	343	197	222	274	204	57	7.4
24	29	11	e29	53	87	316	210	216	278	201	52	7.4
25	27	10	e30	51	110	267	234	210	295	197	47	7.4
26	25	10	e31	50	123	218	269	211	309	192	41	7.4
27	23	9.7	e32	50	135	190	327	255	313	187	44	7.4
28	23	10	e32	50	112	184	362	337	343	182	35	7.4
29	23	11	33	50	100	196	324	246	341	176	33	7.4
30	17	11	36	49	---	227	295	236	337	167	31	7.4
31	19	---	35	46	---	235	---	234	---	163	30	---
TOTAL	1467	413.7	1060	1704	2373	6073	8055	8528	6984	7573	2581	362.7
MEAN	47.3	13.8	34.2	55.0	81.8	196	268	275	233	244	83.3	12.1
MAX	92	20	137	68	209	343	362	436	343	336	157	27
MIN	17	9.7	11	35	42	92	197	210	139	163	30	7.4
AC-FT	2910	821	2100	3380	4710	12050	15980	16920	13850	15020	5120	719

e Estimated.

TRUCKEE RIVER BASIN, LAKE TAHOE

10338000 TRUCKEE RIVER NEAR TRUCKEE, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	190	195	273	323	350	335	396	549	473	307	284	249
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1945 - 2004	
ANNUAL TOTAL	68240.7		47174.4			
ANNUAL MEAN	187		129		331	
HIGHEST ANNUAL MEAN					941	
LOWEST ANNUAL MEAN					32.4	
HIGHEST DAILY MEAN	664	May 29	436	May 4	8900	Jan 1 1997
LOWEST DAILY MEAN	9.7	Nov 27	7.4	Sep 23	3.4	Aug 18 1994
ANNUAL SEVEN-DAY MINIMUM	10	Nov 22	7.4	Sep 23	3.4	Aug 22 1994
MAXIMUM PEAK FLOW			564	May 4	11900	Jan 2 1997
MAXIMUM PEAK STAGE			2.40	May 4	9.97	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	135400		93570		239800	
10 PERCENT EXCEEDS	368		299		534	
50 PERCENT EXCEEDS	172		91		240	
90 PERCENT EXCEEDS	20		13		46	

TRUCKEE RIVER BASIN, LAKE TAHOE

10338400 DONNER LAKE NEAR TRUCKEE, CA

LOCATION.—Lat 39°19'30", long 120°16'53", in SE ¼ NW ¼ 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 mi².

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 ft 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 Truckee River Basin, Lake Tahoe and Truckee River Basin.

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

EXTREMES FOR CURRENT YEAR.—Maximum contents, 9,640 acre-ft, May 28, elevation, 5,935.97 ft; minimum, 3,260 acre-ft, Dec. 4, elevation, 5,928.20 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 2003 TO SEPTEMBER 2004

DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6480	5660	3290	3760	3420	3820	4420	6930	9470	9470	8960	8270
2	6400	5560	3290	3750	3480	3780	4380	7150	9470	9470	8930	8220
3	6300	5430	3280	3710	3470	3740	4400	7390	9500	9470	8910	8120
4	6210	5150	3260	3650	3460	3700	4460	7640	9520	9460	8880	8020
5	6100	4880	3290	3620	3450	3690	4530	7880	9540	9450	8850	7920
6	6030	4660	3630	3590	3450	3670	4560	8080	9540	9430	8830	7810
7	5990	4490	3650	3570	3450	3680	4560	8240	9540	9410	8800	7660
8	5960	4350	3630	3550	3440	3710	4610	8420	9550	9400	8780	7410
9	5940	4260	3600	3540	3410	3760	4640	8550	9560	9390	8770	7120
10	5930	4130	3650	3520	3410	3820	4660	8720	9570	9370	8740	6830
11	5910	4030	3630	3510	3400	3860	4680	8840	9580	9350	8710	6560
12	5910	3940	3590	3500	3390	3910	4710	8940	9590	9340	8690	6280
13	5900	3870	3590	3490	3380	3940	4730	9040	9600	9320	8670	6040
14	5880	3810	3630	3480	3390	4000	4690	9160	9590	9300	8650	5850
15	5860	3760	3600	3480	3380	4070	4700	9270	9580	9280	8640	5690
16	5860	3690	3570	3480	3620	4130	4740	9380	9570	9270	8610	5460
17	5850	3650	3550	3470	3780	4190	4800	9440	9550	9250	8590	5170
18	5830	3600	3510	3460	3860	4250	4880	9530	9540	9230	8570	4910
19	5820	3520	3500	3460	3850	4340	4960	9570	9540	9210	8550	4680
20	5820	3490	3520	3460	3830	4400	5090	9600	9540	9210	8530	4470
21	5820	3470	3510	3450	3810	4500	5220	9580	9540	9190	8500	4300
22	5800	3430	3500	3450	3790	4580	5310	9540	9540	9180	8480	4160
23	5790	3410	3510	3440	3770	4650	5410	9500	9530	9160	8440	4030
24	5780	3380	3650	3450	3740	4650	5540	9490	9530	9150	8420	3930
25	5770	3360	3670	3430	3910	4680	5700	9500	9520	9130	8390	3830
26	5760	3340	3630	3410	3970	4610	5910	9500	9510	9100	8380	3760
27	5760	3330	3600	3460	3920	4520	6170	9530	9500	9090	8360	3690
28	5750	3300	3550	3450	3880	4460	6400	9640	9490	9070	8350	3630
29	5720	3290	3710	3450	3830	4430	6570	9620	9490	9040	8340	3570
30	5690	3290	3670	3450	---	4430	6730	9550	9480	9010	8320	3530
31	5700	---	3650	3430	---	4440	---	9500	---	8990	8310	---
MAX	6480	5660	3710	3760	3970	4680	6730	9640	9600	9470	8960	8270
MIN	5690	3290	3260	3410	3380	3670	4380	6930	9470	8990	8310	3530
a	5931.27	5928.24	5928.70	5928.42	5928.92	5929.70	5932.52	5935.81	5935.79	5935.21	5934.41	5928.55
b	-880	-2410	+360	-220	+400	+610	+2290	+2770	-20	-490	-680	-4780
CAL YR 2003	MAX 9750	MIN 3260	b -410									
WTR YR 2004	MAX 9640	MIN 3260	b -3050									

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

TRUCKEE RIVER BASIN, LAKE TAHOE
10338400 DONNER LAKE NEAR TRUCKEE, CA—Continued

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 2001 to current year.

INSTRUMENTATION.—Heated tipping-bucket gage.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily precipitation, 3.36 in., Dec. 6, 2003; no precipitation for many days.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.08	0.40	1.40	0.00	0.16	0.00	0.00	0.00	0.04	0.00	0.00
2	e0.00	0.03	0.03	0.36	0.82	0.04	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.16	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	3.36	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.08	0.23	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.39	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.51	0.16	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
10	0.00	0.00	0.85	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00
11	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00
12	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
13	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.31	0.94	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
15	0.00	0.04	0.00	0.00	0.07	0.00	0.08	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.04	0.00	0.00	0.20	0.00	0.04	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.58	0.00	0.04	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.08	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.04
20	0.00	0.00	0.43	0.04	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.04	0.00	0.35	0.00	0.04	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	1.87	0.12	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.35	0.00	1.68	0.70	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.00
29	0.00	0.00	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.03	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.43	---	0.12	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.43	1.67	11.86	2.54	7.09	0.90	0.98	1.26	0.12	0.04	0.00	0.04

e Estimated.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10338500 DONNER CREEK AT DONNER LAKE, NEAR TRUCKEE, CA

LOCATION.—Lat 39°19'25", long 120°14'00", in SW ¼ NW ¼ 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 mi².

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 Oct. 3, 1989. Datum of gage is 5,924.40 ft above NGVD of 1929. Nov. 1, 1909, to Aug. 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 Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 863 ft³/s, Jan. 2, 1997, gage height, 6.69 ft; no flow at times in many years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	20	7.3	e29	14	38	95	4.2	43	2.9	2.5	5.0
2	49	46	7.5	28	16	36	89	4.3	21	3.5	2.9	16
3	47	82	7.1	28	17	33	86	4.4	11	3.4	3.3	35
4	46	145	6.8	25	16	31	90	2.9	11	2.5	3.1	43
5	46	148	7.6	23	15	30	97	1.9	9.6	2.4	2.8	43
6	36	125	13	21	14	28	102	1.8	9.3	2.4	2.7	43
7	19	109	24	20	16	28	103	1.8	8.5	2.6	2.9	72
8	8.4	92	23	19	15	29	106	1.7	8.0	2.4	2.9	120
9	2.9	82	22	18	14	31	99	1.6	7.6	2.3	2.6	142
10	2.3	69	23	17	14	34	95	1.5	6.8	2.5	3.0	143
11	1.9	58	23	17	13	39	97	1.4	6.3	4.3	3.7	141
12	1.5	49	22	16	13	42	100	1.3	5.9	3.5	4.1	134
13	1.1	42	22	16	13	46	103	1.9	5.7	2.3	3.8	120
14	2.4	36	24	15	12	51	103	2.1	8.8	2.1	3.0	100
15	3.6	33	23	15	12	56	79	2.1	12	2.2	2.8	87
16	3.2	29	21	15	17	63	38	2.2	12	2.2	2.7	121
17	2.8	26	19	15	36	68	18	7.4	12	2.2	2.5	132
18	2.8	23	18	14	41	81	7.6	12	8.0	1.8	2.4	130
19	2.6	21	17	14	42	86	3.8	18	4.9	1.8	3.1	125
20	2.5	19	18	14	41	92	2.4	25	4.9	1.8	3.6	111
21	2.3	17	18	e14	39	104	1.7	43	3.5	2.0	3.0	92
22	2.7	15	17	e13	38	110	2.5	54	2.0	2.0	2.8	76
23	2.9	14	17	e14	35	117	4.1	54	1.6	2.0	2.5	64
24	2.7	12	21	e14	34	122	4.9	39	2.2	1.8	2.5	54
25	2.4	11	26	e14	39	119	6.3	27	2.7	1.7	2.5	45
26	2.2	10	25	e14	50	118	4.8	27	2.7	2.7	2.2	38
27	2.2	9.5	22	14	49	112	4.0	27	2.8	3.6	2.2	32
28	2.1	9.0	21	15	44	104	4.2	36	3.1	3.2	2.4	28
29	3.8	8.5	25	15	41	96	4.2	54	3.1	3.2	2.5	24
30	9.9	8.1	28	15	---	95	4.3	59	2.8	3.0	2.4	20
31	14	---	27	14	---	97	---	59	---	2.9	2.3	---
TOTAL	380.2	1368.1	595.3	535	760	2136	1554.8	578.5	242.8	79.2	87.7	2336.0
MEAN	12.3	45.6	19.2	17.3	26.2	68.9	51.8	18.7	8.09	2.55	2.83	77.9
MAX	52	148	28	29	50	122	106	59	43	4.3	4.1	143
MIN	1.1	8.1	6.8	13	12	28	1.7	1.3	1.6	1.7	2.2	5.0
AC-FT	754	2710	1180	1060	1510	4240	3080	1150	482	157	174	4630

e Estimated.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10338500 DONNER CREEK AT DONNER LAKE, NEAR TRUCKEE, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	29.2	27.5	30.2	32.9	32.7	38.0	53.2	83.9	45.8	11.9	7.65	26.3
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	1930	1930	1930	1929	1929	1929	1929	1929	1929	1937	1936	1930

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	13115.3		10653.6			
ANNUAL MEAN	35.9		29.1		35.8	
HIGHEST ANNUAL MEAN					83.3 1982	
LOWEST ANNUAL MEAN					7.71 1977	
HIGHEST DAILY MEAN	347	May 25	148	Nov 5	820	Jan 2 1997
LOWEST DAILY MEAN	1.1	Apr 27	1.1	Oct 13	0.00	Jan 1 1929
ANNUAL SEVEN-DAY MINIMUM	1.7	Jul 16	1.6	May 6	0.00	Jan 1 1929
MAXIMUM PEAK FLOW			181	Nov 4	863	Jan 2 1997
MAXIMUM PEAK STAGE			4.18	Nov 4	6.69	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	26010		21130		25900	
10 PERCENT EXCEEDS	83		95		98	
50 PERCENT EXCEEDS	24		15		15	
90 PERCENT EXCEEDS	2.3		2.3		0.20	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10338700 DONNER CREEK AT HIGHWAY 89, NEAR TRUCKEE, CA

LOCATION.—Lat 39°19'16", long 120°12'25", in NE ¼ SW ¼ 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 mi².

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 Truckee River Basin, Lake Tahoe and Truckee River Basin](#).

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, about 2,500 ft³/s, Jan. 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 ft³/s, Aug. 21, 22, 1994.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	20	7.6	37	19	58	173	101	129	14	4.2	6.0
2	49	46	8.1	38	21	54	162	120	103	13	4.3	17
3	48	87	7.6	36	22	50	167	139	83	12	4.6	34
4	47	154	7.4	33	21	47	188	162	76	11	4.6	43
5	47	156	7.9	30	20	46	206	168	70	11	4.3	43
6	37	125	46	28	19	46	201	148	71	10	4.2	43
7	20	103	52	27	e20	47	191	131	66	9.8	4.4	73
8	9.7	86	30	27	20	51	202	133	53	9.2	4.4	131
9	4.3	77	26	27	19	58	197	121	45	8.4	4.2	148
10	3.8	65	28	25	18	67	189	103	40	7.8	4.1	145
11	3.6	55	27	25	18	77	188	82	39	7.4	4.6	137
12	3.3	47	25	24	18	84	195	69	38	7.2	5.3	130
13	3.1	40	26	23	17	94	198	73	39	6.7	5.1	115
14	3.6	35	28	23	17	107	184	83	45	6.2	4.4	95
15	4.5	32	26	22	17	127	152	86	47	6.0	4.3	80
16	4.4	28	24	22	32	143	100	90	46	5.7	4.3	114
17	4.1	25	22	22	87	152	72	102	45	5.5	4.0	129
18	4.0	23	21	22	75	166	54	93	39	5.0	4.0	129
19	3.9	20	20	22	68	187	45	95	32	4.8	4.3	124
20	3.9	19	22	22	62	193	43	105	29	4.6	4.8	109
21	3.7	16	23	21	58	214	43	117	26	4.6	4.4	91
22	3.9	14	21	20	56	232	41	133	24	4.6	4.3	73
23	4.1	13	21	20	52	245	44	135	22	4.5	4.1	59
24	4.0	12	34	21	51	243	51	115	20	4.3	e4.1	48
25	3.8	11	36	20	68	222	62	98	19	3.9	e4.0	41
26	3.7	9.8	32	19	79	198	80	96	18	4.2	e3.9	33
27	3.6	8.8	29	21	74	178	105	115	17	4.7	3.8	29
28	3.6	8.4	27	21	67	166	116	158	16	4.6	3.9	25
29	4.4	8.1	32	20	61	165	95	139	15	4.5	3.9	22
30	9.2	7.7	34	21	---	175	87	146	14	4.4	3.8	20
31	14	---	32	20	---	177	---	142	---	4.4	3.6	---
TOTAL	412.2	1351.8	782.6	759	1176	4069	3831	3598	1326	214.0	132.2	2286.0
MEAN	13.3	45.1	25.2	24.5	40.6	131	128	116	44.2	6.90	4.26	76.2
MAX	50	156	52	38	87	245	206	168	129	14	5.3	148
MIN	3.1	7.7	7.4	19	17	46	41	69	14	3.9	3.6	6.0
AC-FT	818	2680	1550	1510	2330	8070	7600	7140	2630	424	262	4530

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	28.9	27.5	41.1	80.0	70.6	105	144	224	150	42.0	9.69	44.1
MAX	49.0	53.8	201	438	200	251	220	379	398	180	38.1	76.2
(WY)	2000	2003	1997	1997	1996	1995	1993	1995	1995	1995	1995	2004
MIN	4.55	8.35	9.73	8.37	11.6	30.9	39.8	64.8	12.4	4.48	3.24	11.6
(WY)	2003	1994	2000	2001	1994	1994	1994	1994	2001	2001	1994	2000

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	28198.1		19937.8			
ANNUAL MEAN	77.3		54.5		78.0	
HIGHEST ANNUAL MEAN					142 1995	
LOWEST ANNUAL MEAN					25.9 1994	
HIGHEST DAILY MEAN	725 May 25		245 Mar 23		2380 Jan 2 1997	
LOWEST DAILY MEAN	3.1 Oct 13		3.1 Oct 13		2.3 Aug 21 1994	
ANNUAL SEVEN-DAY MINIMUM	3.7 Oct 9		3.7 Oct 9		2.5 Aug 19 1994	
MAXIMUM PEAK FLOW			268 Mar 22		2500 Jan 2 1997	
MAXIMUM PEAK STAGE			5.28 Mar 22		12.76 Jan 2 1997	
ANNUAL RUNOFF (AC-FT)	55930		39550		56520	
10 PERCENT EXCEEDS	161		148		194	
50 PERCENT EXCEEDS	47		30		42	
90 PERCENT EXCEEDS	4.9		4.3		6.1	

e Estimated.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10339400 MARTIS CREEK NEAR TRUCKEE, CA

LOCATION.—Lat 39°19'44", long 120°07'00", in NE ¼ NW ¼ 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 mi².

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 since Oct. 7, 1971. [See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 1,880 ft³/s, Feb. 1, 1963, gage height, 6.16 ft, site and datum then in use; minimum, 1.3 ft³/s, July 30, 1961. Maximum discharge since construction of Martis Creek Lake Dam in 1971, 663 ft³/s, Feb. 28, 1986, gage height, 5.66 ft, maximum gage height, 6.01 ft, Apr. 2, 1974; minimum daily, 0.20 ft³/s, Nov. 9–14, 1977.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	5.5	7.1	9.4	8.1	25	75	20	7.1	3.9	2.8	3.7
2	4.2	5.3	7.9	7.5	8.9	23	74	19	6.9	4.0	3.0	3.6
3	4.7	5.6	7.4	9.1	9.4	19	73	19	6.5	4.0	2.9	3.5
4	4.8	5.1	6.9	9.3	8.9	18	72	19	6.2	3.8	2.9	3.7
5	4.6	5.9	7.1	9.4	7.7	18	71	19	6.0	3.5	2.8	3.8
6	4.5	5.9	12	9.4	7.8	21	62	18	5.8	3.6	2.9	3.8
7	4.5	6.3	35	9.6	8.8	26	53	16	5.7	3.6	2.9	3.8
8	4.4	6.6	18	11	7.9	32	51	15	5.4	3.4	3.1	3.7
9	4.1	7.9	12	13	8.3	41	49	15	7.4	3.2	3.1	3.6
10	3.8	7.5	11	13	7.6	51	47	14	8.8	3.2	3.0	3.6
11	3.9	6.6	9.9	12	7.3	57	44	16	7.5	3.1	2.9	3.6
12	4.1	6.4	9.2	11	7.3	59	42	16	6.4	3.1	2.9	3.5
13	4.0	6.4	9.2	11	7.2	63	41	14	6.0	3.1	3.1	3.5
14	4.2	6.4	11	10	7.5	67	38	12	5.7	3.0	3.5	3.4
15	4.4	7.1	9.3	10	7.7	70	34	12	5.4	3.0	3.7	3.4
16	4.4	7.0	9.1	9.8	11	71	31	11	5.1	3.0	4.0	3.4
17	4.4	6.9	8.4	9.5	56	71	29	11	5.0	3.1	4.0	3.6
18	4.3	6.7	8.0	9.5	76	71	26	10	4.6	3.1	3.5	3.3
19	4.3	7.0	7.9	9.4	64	71	24	10	4.5	3.0	4.1	3.4
20	4.3	7.0	9.0	9.5	38	70	23	9.9	4.4	3.2	4.4	4.2
21	4.5	7.1	10	8.8	28	70	23	9.8	4.2	3.2	4.3	5.0
22	4.6	6.7	9.7	7.8	24	70	23	9.8	4.1	3.4	4.0	4.7
23	4.7	5.9	9.2	8.1	21	70	22	9.5	4.0	3.3	3.9	4.5
24	4.5	6.5	25	8.9	20	70	21	9.3	3.7	3.3	3.9	4.3
25	4.4	6.9	41	8.7	44	71	21	9.3	3.8	3.2	3.9	4.2
26	4.2	6.5	21	7.6	75	71	21	9.2	3.8	3.1	3.7	4.1
27	4.2	6.3	12	8.5	62	71	23	8.9	3.6	3.0	3.9	4.1
28	4.4	6.5	11	8.8	38	70	24	9.2	3.8	2.9	4.0	4.1
29	4.5	6.6	10	8.4	29	70	23	9.2	3.8	2.9	4.0	4.1
30	4.4	6.9	10	8.3	---	73	20	8.3	3.8	2.8	3.9	4.3
31	5.6	---	10	8.5	---	75	---	7.6	---	2.8	3.8	---
TOTAL	135.9	195.0	384.3	294.8	706.4	1725	1180	396.0	159.0	100.8	108.8	115.5
MEAN	4.38	6.50	12.4	9.51	24.4	55.6	39.3	12.8	5.30	3.25	3.51	3.85
MAX	5.6	7.9	41	13	76	75	75	20	8.8	4.0	4.4	5.0
MIN	3.8	5.1	6.9	7.5	7.2	18	20	7.6	3.6	2.8	2.8	3.3
AC-FT	270	387	762	585	1400	3420	2340	785	315	200	216	229

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

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 - 2004, BY WATER YEAR (WY)

MEAN	8.80	15.8	20.0	28.7	34.7	46.8	51.6	54.0	32.8	13.5	9.53	8.61
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 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1972 - 2004

ANNUAL TOTAL	6422.7	5501.5	
ANNUAL MEAN	17.6	15.0	27.1
HIGHEST ANNUAL MEAN			74.5 1983
LOWEST ANNUAL MEAN			6.90 1977
HIGHEST DAILY MEAN	73 Mar 16	76 Feb 18	626 Mar 1 1986
LOWEST DAILY MEAN	2.4 Aug 20	2.8 Jul 30	0.20 Nov 9 1977
ANNUAL SEVEN-DAY MINIMUM	3.2 Aug 15	2.9 Jul 30	0.21 Nov 9 1977
MAXIMUM PEAK FLOW		84 Mar 30	663 Feb 28 1986
MAXIMUM PEAK STAGE		3.18 Mar 30	6.01 Apr 2 1974
ANNUAL RUNOFF (AC-FT)	12740	10910	19610
10 PERCENT EXCEEDS	45	48	68
50 PERCENT EXCEEDS	9.3	7.3	12
90 PERCENT EXCEEDS	4.1	3.4	4.2

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10339400 MARTIS CREEK NEAR TRUCKEE, CA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—Water years 1975 to current year.

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.—Records good. Interruption in record was due to recording equipment failure. Water temperature is affected by regulation from Martis Creek Lake Dam (station 10339380). Unpublished chemical, 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, Feb. 16, 17, 1982, Jan. 11–13, 16, 1995, Feb. 10, 1999.

EXTREMES FOR CURRENT YEAR.—

WATER TEMPERATURE: Maximum recorded, 23.5°C, July 29, 31; minimum recorded, 1.5°C, several days in February.

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10339400 MARTIS CREEK NEAR TRUCKEE, CA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.5	8.0	13.5	12.0	18.0	15.5	21.0	18.5	22.5	18.5	21.0	15.5
2	8.0	7.5	14.5	12.5	18.5	16.0	21.0	18.0	23.0	18.5	20.0	16.0
3	9.5	7.5	15.0	13.0	18.5	16.0	21.0	18.0	22.5	18.0	19.0	15.0
4	9.0	8.5	15.5	13.5	19.0	16.0	21.5	18.0	22.5	18.0	19.5	15.0
5	10.5	8.5	15.5	14.0	19.0	16.5	21.5	18.5	22.0	17.5	19.5	14.5
6	9.5	9.0	15.5	14.0	19.5	16.5	21.5	18.5	22.0	18.0	19.5	14.5
7	9.5	8.5	15.0	13.5	19.5	17.0	22.0	19.0	22.0	17.5	20.0	14.5
8	10.0	8.0	15.0	13.0	18.0	16.5	22.0	18.5	22.5	17.0	19.5	14.5
9	11.0	8.5	15.0	13.0	17.5	16.0	22.0	19.0	22.0	17.5	19.5	14.0
10	11.0	9.0	14.5	13.5	18.0	16.0	22.5	19.0	22.0	17.0	19.5	14.5
11	11.0	9.0	14.0	13.0	18.0	16.0	22.5	19.0	---	---	19.5	14.5
12	11.5	10.0	14.5	13.0	18.5	16.0	22.5	19.0	---	---	19.5	15.0
13	11.5	10.5	14.5	13.0	18.5	16.0	22.5	19.0	---	---	19.0	14.5
14	11.0	9.5	14.5	13.0	19.0	16.5	22.5	19.0	21.5	16.5	18.5	14.0
15	10.0	9.0	15.0	13.5	19.0	16.5	22.5	19.0	21.0	17.0	18.5	14.0
16	10.0	9.0	15.5	13.5	19.5	16.5	21.5	19.0	20.5	17.0	18.5	14.0
17	9.5	9.0	16.0	14.0	19.5	17.0	22.5	19.0	21.0	16.5	18.5	14.0
18	9.0	8.5	15.5	14.0	19.5	17.0	23.0	19.0	22.5	16.0	16.5	14.0
19	9.0	8.5	15.5	13.5	20.0	17.0	22.5	19.5	21.0	16.5	15.0	13.0
20	9.5	8.5	16.0	14.0	20.0	17.5	23.0	19.0	21.0	17.0	15.0	11.5
21	9.5	8.5	15.5	14.0	20.5	17.5	22.5	19.5	21.0	16.5	15.0	12.0
22	9.5	8.5	16.0	14.0	20.5	18.0	22.5	19.5	19.0	16.5	15.0	11.5
23	10.5	8.5	16.5	14.0	20.5	18.0	23.0	19.5	20.5	16.5	15.5	12.0
24	10.0	9.0	16.5	14.0	20.5	18.0	23.0	19.5	20.5	16.0	15.5	12.0
25	11.5	9.5	16.0	14.5	21.0	18.0	23.0	19.5	20.5	16.0	15.5	12.0
26	12.5	10.5	16.0	14.0	21.0	18.0	23.0	19.5	20.0	16.0	15.5	12.0
27	12.5	11.5	16.5	14.5	21.5	18.5	22.5	19.0	20.0	15.0	15.0	12.0
28	12.5	11.5	16.0	15.0	21.5	18.5	22.5	19.5	20.0	15.0	15.0	12.0
29	12.0	11.0	17.0	15.0	22.0	18.5	23.5	19.5	20.5	15.5	15.0	12.0
30	12.5	11.0	17.0	15.0	21.5	18.5	23.0	18.5	20.5	15.5	14.5	12.0
31	---	---	17.5	15.0	---	---	23.5	19.0	20.5	15.5	---	---
MONTH	12.5	7.5	17.5	12.0	22.0	15.5	23.5	18.0	---	---	21.0	11.5

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10340300 PROSSER CREEK RESERVOIR NEAR TRUCKEE, CA

LOCATION.—Lat 39°22'46", long 120°08'12", in NW ¼ SW ¼ 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 mi².

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 Jan. 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 Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES (at 0800 hours) 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, Oct. 10–12, 1983, elevation, 5,635.75 ft.

EXTREMES (at 0800 hours) FOR CURRENT YEAR.—Maximum contents, 17,800 acre-ft, June 8–21, maximum elevation unknown; minimum, 4,960 acre-ft, Sept. 30, elevation, 5,685.90 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 2003 TO SEPTEMBER 2004

DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15400	10200	9750	9960	9660	9800	9400	12000	17400	17400	14900	9150
2	15100	10200	9770	9870	9650	9810	9410	12200	17400	17400	14700	8900
3	14800	10200	9780	9830	9670	9790	9400	12400	17400	17400	14500	8660
4	14600	10200	9790	9800	9660	9780	9440	12700	17500	17300	14400	8410
5	14300	10200	9800	9790	9660	9760	9560	12900	17600	17300	14200	8160
6	14000	10200	9840	9770	9660	9750	9720	13200	17700	17200	14000	7920
7	13800	10100	10100	9740	9670	9740	9830	13400	17700	17200	13900	7680
8	13500	10100	10200	9720	9660	9760	9930	13600	e17800	17100	13700	7440
9	13300	10000	10100	9700	9670	9800	10100	13800	e17800	17100	13500	7200
10	13000	9990	10000	9680	9660	9890	10200	13900	e17800	17000	13400	6950
11	12700	9990	9860	9680	9660	9890	10400	14000	e17800	16900	13200	6700
12	12400	9890	9780	9660	9660	9890	10500	14100	e17800	16900	13000	6460
13	12200	9840	9790	9660	9660	9900	10600	14100	e17800	16800	12900	6230
14	11900	9810	e9810	9660	9670	9940	10800	14100	e17800	16700	12700	6000
15	11600	9800	9830	9670	9670	10000	10800	14200	17800	16600	12600	5770
16	11400	9780	9830	9670	9670	10100	10900	14400	17800	16600	12400	5540
17	11200	9760	9840	9670	9780	10000	11000	14500	17800	16500	12200	5390
18	11100	9740	9830	9670	10100	10000	11100	14700	17800	16400	12100	5280
19	10900	9720	9830	9670	10200	10000	11100	14800	17800	16300	11900	5170
20	10700	9720	9840	9690	10200	10100	11200	15000	17800	16200	11800	5060
21	10500	9720	9850	9690	10100	10200	11200	15000	17800	16100	11600	5010
22	10300	9720	9870	9680	10100	10400	11300	15200	17700	16000	11400	5010
23	10200	9720	9880	9670	9990	10500	11200	15300	17700	16000	11300	5010
24	10200	9720	9900	9670	9910	10400	11200	15400	17600	15900	11100	5000
25	10200	9730	9990	9670	9820	10200	11200	15500	17600	15800	10800	5000
26	10200	9730	10000	9660	9810	9920	11300	15700	17600	15700	10600	4990
27	10200	9730	10000	9660	9760	9700	11400	15900	17500	15600	10400	4980
28	10200	9730	10000	9670	9790	9460	11600	16300	17500	15500	10100	4970
29	10200	9740	10100	9670	9800	9230	11600	16700	17500	15300	9890	4970
30	10200	9740	10000	9660	---	9250	11900	17000	17500	15200	9640	4960
31	10200	---	9960	9660	---	9320	---	17200	---	15000	9400	---
MEAN	12000	9890	9900	9710	9790	9880	10600	14500	17700	16500	12300	6270
MAX	15400	10200	10200	9960	10200	10500	11900	17200	17800	17400	14900	9150
MIN	10200	9720	9750	9660	9650	9230	9400	12000	17400	15000	9400	4960
a	5704.71	5703.46	5704.11	5703.22	5703.64	5702.19	5709.48	5721.08	5721.62	5716.68	5702.43	5685.90
b	-5400	-460	+220	-300	+140	-480	+2580	+5300	+300	-2500	-5600	-4440

CAL YR 2003 MEAN 16100 MAX 30600 MIN 7380 b +2210

WTR YR 2004 MEAN 11600 MAX 17800 MIN 4960 b -10640

e Estimated.

a Gage height, in feet, at end of month.

b Change in contents, in acre-feet.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

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

LOCATION.—Lat 39°22'24", long 120°07'50", in NW ¼ NE ¼ 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 mi².

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 Jan. 30, 1963. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Water years 1943–63, prior to construction of Prosser Creek Dam, maximum discharge, 4,560 ft³/s, Dec. 23, 1955, gage height, 10.13 ft, present datum, from rating curve extended above 910 ft³/s, on basis of slope-area measurement of peak flow, maximum gage height, 11.0 ft, from floodmarks, present datum, Nov. 20, 1950; minimum discharge, 0.4 ft³/s, July 18, 1961, result of work on dam upstream. Maximum discharge since construction of Prosser Creek Dam in 1963, 2,030 ft³/s, Jan. 3, 1997, gage height, 6.72 ft, from rating curve extended above 880 ft³/s, on basis of valve setting at Prosser Creek Dam; minimum daily, 0.02 ft³/s, Jan. 2, 1975, result of temporary closing of Prosser Creek Dam for spillway maintenance.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	129	12	11	48	26	39	149	105	76	50	81	111
2	128	11	11	43	26	39	149	105	100	50	81	112
3	128	11	11	33	26	39	150	105	100	50	80	111
4	128	11	11	33	25	39	151	105	84	50	80	110
5	127	20	11	33	23	39	151	106	72	50	80	110
6	127	34	12	33	23	40	151	106	72	50	80	109
7	126	33	11	33	23	40	152	106	71	49	80	110
8	126	33	52	34	23	40	152	108	71	50	80	110
9	125	33	82	34	23	41	138	109	71	50	80	109
10	125	33	82	34	23	71	128	108	71	49	81	108
11	125	34	64	34	23	94	128	108	71	49	80	108
12	125	33	e30	29	23	95	128	109	72	49	80	106
13	124	28	e20	25	22	95	128	109	73	49	80	105
14	123	21	e20	25	22	96	128	86	73	49	80	104
15	103	20	e20	25	22	120	107	58	73	49	80	104
16	94	20	e20	25	23	157	81	59	73	49	79	83
17	93	21	e20	25	23	181	78	59	74	49	79	57
18	93	21	20	25	24	181	78	59	74	49	79	52
19	93	17	20	25	57	181	78	59	74	49	79	51
20	92	11	20	25	74	182	78	59	74	48	79	41
21	79	11	21	25	73	183	92	59	74	48	78	12
22	58	11	20	25	73	216	102	60	73	48	77	6.5
23	38	11	20	25	73	285	102	60	73	48	91	6.4
24	17	11	21	26	73	315	102	44	73	48	111	6.5
25	12	11	21	26	74	318	103	21	64	48	110	6.9
26	11	11	20	26	74	271	103	13	50	48	110	6.7
27	11	11	21	26	55	237	103	14	50	60	111	6.0
28	11	11	21	26	40	236	102	14	50	67	112	7.9
29	11	11	31	26	39	185	103	14	50	67	111	8.2
30	11	11	48	26	---	148	104	14	50	76	111	8.5
31	11	---	48	26	---	149	---	31	---	81	110	---
TOTAL	2604	567	840	904	1128	4352	3499	2172	2126	1626	2730	1986.6
MEAN	84.0	18.9	27.1	29.2	38.9	140	117	70.1	70.9	52.5	88.1	66.2
MAX	129	34	82	48	74	318	152	109	100	81	112	112
MIN	11	11	11	25	22	39	78	13	50	48	77	6.0
AC-FT	5170	1120	1670	1790	2240	8630	6940	4310	4220	3230	5410	3940

e Estimated.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10342900 INDEPENDENCE LAKE NEAR TRUCKEE, CA

LOCATION.—Lat 39°27'07", long 120°17'23", in NW ¼ SW ¼ 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 mi².

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 Truckee River Basin, Lake Tahoe and Truckee River 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, Nov. 10, 11, 1988, elevation, 6,929.39 ft.

EXTREMES FOR CURRENT YEAR.—Maximum contents, 17,600 acre-ft, July 3–13, maximum elevation, 6,949.41 ft, July 12; minimum, 14,000 acre-ft, Dec. 16–23, minimum elevation, 6944.15 ft, Dec. 19.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by Sierra Pacific Power Co., dated Nov. 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 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16700	15600	14300	14500	14600	15300	16400	16600	17300	17500	17300	16900
2	16700	15600	14300	14500	14600	15300	16400	16700	17300	17500	17300	16900
3	16700	15500	14200	14500	14600	15300	16500	16700	17300	17600	17300	16900
4	16600	15500	14100	14500	14600	15300	16500	16900	17300	17600	17200	16800
5	16600	15500	14200	14500	14600	15300	16600	17000	17200	17600	17200	16800
6	16500	15400	14300	14500	14600	15300	16700	17100	17200	17600	17200	16800
7	16500	15400	14300	14500	14600	15300	16800	17100	17200	17600	17200	16800
8	16400	15400	14200	14500	14600	15300	16900	17200	17100	17600	17200	16800
9	16400	15400	14100	14500	14700	15300	16900	17200	17100	17600	17200	16800
10	16300	15400	14200	14500	14600	15300	17000	17300	17200	17600	17200	16800
11	16300	15400	14100	14500	14600	15300	17100	17300	17200	17600	17200	16800
12	16300	15300	14100	14500	14600	15400	17200	17300	17200	17600	17100	16700
13	16200	15300	14100	14500	14600	15400	17200	17300	17300	17600	17100	16700
14	16200	15200	14100	14500	14600	15400	17300	17300	17300	17500	17100	16700
15	16100	15200	14100	14500	14600	15400	17300	17300	17400	17500	17100	16700
16	16100	15100	14000	14500	14800	15500	17300	17300	17400	17500	17100	16600
17	16100	15000	14000	14500	14800	15500	17200	17300	17500	17500	17100	16600
18	16000	15000	14000	14500	14900	15600	17200	17200	17500	17500	17100	16500
19	16000	14900	14000	14500	14900	15600	17200	17300	17500	17400	17100	16500
20	15900	14900	14000	14500	14900	15700	17100	17300	17500	17400	17100	16400
21	15900	14800	14000	14500	15000	15700	17000	17300	17500	17400	17100	16400
22	15900	14800	14000	14500	15000	15800	16900	17300	17500	17400	17000	16400
23	15900	14700	14000	14500	15000	15900	16700	17300	17500	17400	17000	16300
24	15800	14600	14200	14500	15000	16000	16600	17200	17500	17400	17000	16300
25	15800	14600	14200	14500	15100	16100	16500	17200	17500	17400	17000	16200
26	15800	14500	14200	14500	15200	16100	16500	17200	17500	17400	17000	16200
27	15700	14500	14200	14600	15200	16200	16600	17300	17500	17400	17000	16100
28	15700	14400	14200	14600	15200	16200	16600	17400	17500	17400	17000	16100
29	15600	14400	14300	14600	15200	16200	16600	17400	17500	17300	16900	16000
30	15600	14400	14300	14600	---	16200	16600	17400	17500	17300	16900	16000
31	15600	---	14300	14600	---	16300	---	17300	---	17300	16900	---
MAX	16700	15600	14300	14600	15200	16300	17300	17400	17500	17600	17300	16900
MIN	15600	14400	14000	14500	14600	15300	16400	16600	17100	17300	16900	16000
a	6946.60	6944.75	6944.72	6945.04	6946.02	6947.60	6947.99	6949.07	6949.28	6949.02	6948.46	6947.12
b	-1200	-1200	-100	+300	+600	+1100	+300	+700	+200	-200	-400	-900

CAL YR 2003 MAX 17800 MIN 14000 b -300
WTR YR 2004 MAX 17600 MIN 14000 b -800

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

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10343000 INDEPENDENCE CREEK NEAR TRUCKEE, CA

LOCATION.—Lat 39°27'24", long 120°17'10", in SW ¼ NW ¼ 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 mi².

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 Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 325 ft³/s, Jan. 3, 1997, gage height, 6.17 ft; maximum gage height, 8.16 ft, Apr. 16, 1993, backwater from snow and ice; no flow Sept. 28 to Nov. 10, 1905, June 1, 1906.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	16	30	e5.0	4.7	4.8	5.5	42	53	1.1	2.2	2.3
2	16	16	30	5.0	4.7	4.8	5.4	42	53	0.99	2.2	2.1
3	16	16	30	4.7	4.7	4.8	5.7	42	53	0.94	2.2	2.1
4	16	15	30	4.7	4.7	4.7	5.9	36	53	0.87	2.1	2.0
5	16	15	30	4.7	4.7	4.7	6.0	30	53	0.85	2.1	1.9
6	24	15	30	4.7	4.7	4.9	5.9	34	53	0.77	2.0	2.0
7	30	15	30	4.7	4.7	4.9	5.7	34	53	0.74	2.1	2.0
8	19	15	30	4.7	4.7	4.9	5.9	33	45	0.78	2.0	2.1
9	17	15	30	4.7	4.7	4.9	5.9	34	25	0.89	2.1	2.1
10	17	15	30	4.7	4.7	4.9	6.1	34	12	0.96	2.0	2.2
11	17	16	30	4.7	4.7	5.0	6.0	38	7.7	1.0	2.0	2.1
12	17	24	30	4.7	4.7	4.9	5.9	41	3.8	1.0	2.2	2.0
13	17	31	30	4.8	4.7	5.0	11	41	3.0	1.1	2.1	2.0
14	16	31	30	4.7	4.7	5.1	17	46	2.8	5.6	2.2	2.0
15	16	31	30	4.8	4.6	5.2	19	51	2.8	10	2.3	11
16	16	31	20	4.7	4.9	5.2	36	51	2.8	8.0	2.3	19
17	16	31	14	4.7	4.9	5.2	42	51	2.6	6.2	2.3	18
18	16	31	9.9	4.8	4.9	5.3	41	47	4.5	6.2	2.3	21
19	16	31	3.6	4.7	4.9	5.3	41	42	6.0	3.5	2.3	21
20	16	31	4.9	4.8	4.8	5.5	54	42	6.0	4.3	2.3	21
21	16	30	4.9	4.7	4.9	5.6	78	42	11	5.8	2.4	21
22	16	30	4.9	4.7	4.9	5.7	83	42	14	4.6	2.5	21
23	16	31	4.9	4.7	4.8	5.9	83	41	14	2.4	2.5	21
24	16	31	4.9	4.5	4.6	5.8	82	42	10	2.1	2.4	21
25	16	31	4.9	4.5	4.9	5.5	82	42	7.2	2.0	2.3	21
26	16	31	4.9	4.6	4.7	5.2	64	42	7.2	2.0	2.3	21
27	16	31	4.9	4.7	4.6	5.0	43	42	7.3	1.9	2.2	21
28	16	30	4.9	4.6	4.7	5.0	43	48	7.4	1.9	2.1	21
29	16	30	5.3	4.6	4.7	5.1	42	53	7.5	2.0	2.1	21
30	16	30	4.9	4.7	---	5.4	42	53	4.3	2.1	2.1	29
31	16	---	4.9	4.6	---	5.7	---	53	---	2.2	2.3	---
TOTAL	526	746	556.7	145.9	137.6	159.9	972.9	1311	584.9	84.79	68.5	357.9
MEAN	17.0	24.9	18.0	4.71	4.74	5.16	32.4	42.3	19.5	2.74	2.21	11.9
MAX	30	31	30	5.0	4.9	5.9	83	53	53	10	2.5	29
MIN	16	15	3.6	4.5	4.6	4.7	5.4	30	2.6	0.74	2.0	1.9
AC-FT	1040	1480	1100	289	273	317	1930	2600	1160	168	136	710

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2004, BY WATER YEAR (WY)

MEAN	15.1	20.0	12.6	12.4	11.2	14.8	21.2	43.5	54.1	24.7	18.2	20.6
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	2.04	0.58
(WY)	1980	1989	1993	1993	1974	1977	1977	1977	1977	1977	2003	1979

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1968 - 2004	
ANNUAL TOTAL	7554.99		5652.09			
ANNUAL MEAN	20.7		15.4		22.4	
HIGHEST ANNUAL MEAN					46.7	
LOWEST ANNUAL MEAN					7.07	
HIGHEST DAILY MEAN	206		May 31		295	
LOWEST DAILY MEAN	0.82		Sep 6		0.02	
ANNUAL SEVEN-DAY MINIMUM	1.6		Jan 3		0.02	
MAXIMUM PEAK FLOW			85		325	
MAXIMUM PEAK STAGE			3.77		8.16	
ANNUAL RUNOFF (AC-FT)	14990		11210		16190	
10 PERCENT EXCEEDS	52		42		60	
50 PERCENT EXCEEDS	6.4		5.7		11	
90 PERCENT EXCEEDS	2.0		2.1		2.1	

e Estimated.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10343500 SAGEHEN CREEK NEAR TRUCKEE, CA
(Hydrologic Benchmark Station)

LOCATION.—Lat 39°25'54", long 120°14'13", in NE ¼ NE ¼ 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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1953 to current year.

PRECIPITATION DATA: Water years 1991–96.

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 Dec. 2, 1953, nonrecording gage at site 100 ft upstream at different datum.

REMARKS.—Records good. No storage or diversion upstream from station. [See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 1,230 ft³/s, Jan. 1, 1997, gage height, 5.20 ft, from poor high-water mark on gage house, rating curve extended above 160 ft³/s, on basis of slope-area measurement at gage height 4.28 ft; minimum daily, 1.0 ft³/s, Sept. 13, 1960.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 50 ft³/s, or maximum:

Date	Discharge Time	Gage height (ft ³ /s)	(ft)
Apr. 5	1715	35	2.44

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	2.0	2.5	e3.0	2.9	3.6	19	21	8.5	3.4	1.7	1.5
2	1.8	2.0	2.7	e3.0	2.9	3.6	18	22	8.2	3.3	1.7	1.5
3	2.0	2.0	2.5	3.0	2.9	3.5	21	23	7.8	3.1	1.7	1.6
4	1.9	2.1	2.4	e3.0	2.9	3.5	25	24	7.3	2.9	1.7	1.6
5	1.8	2.1	3.7	3.0	e3.0	3.5	27	24	6.9	2.7	1.7	1.6
6	1.8	2.1	14	2.9	2.9	3.9	27	23	6.8	2.6	1.7	1.6
7	1.8	2.2	11	2.9	2.9	4.4	26	21	6.6	2.6	1.7	1.5
8	1.8	2.3	4.3	3.4	e3.0	5.1	27	19	6.3	2.5	1.6	1.5
9	1.8	2.5	3.4	3.6	2.9	6.0	28	18	6.5	2.5	1.6	1.5
10	1.7	2.3	3.2	3.5	2.9	6.8	27	18	6.2	2.4	1.6	1.5
11	1.8	2.2	3.0	3.5	2.8	7.1	27	19	5.8	2.4	1.6	1.5
12	1.8	2.2	2.9	3.5	2.8	7.5	28	16	5.4	2.3	1.6	1.5
13	1.8	2.3	3.0	3.5	2.8	8.0	28	15	5.1	2.3	1.6	1.5
14	1.8	2.3	3.1	3.4	2.7	9.0	25	14	5.0	2.2	1.6	1.6
15	1.8	2.4	2.9	3.3	2.7	10	23	13	4.8	2.2	1.6	1.6
16	1.8	2.3	2.8	3.2	7.8	11	20	13	4.8	2.2	1.7	1.6
17	1.8	2.3	2.7	3.1	14	12	18	12	4.6	2.1	1.6	1.6
18	1.8	2.3	2.7	3.1	8.3	13	17	11	4.5	2.1	1.6	1.6
19	1.8	2.4	2.7	3.1	6.1	15	15	11	4.3	2.1	1.6	1.6
20	1.8	2.5	3.3	3.1	5.2	17	17	11	4.1	2.1	1.6	1.9
21	1.8	2.4	3.3	3.0	4.7	19	16	10	4.0	2.0	1.6	1.8
22	1.8	2.2	3.0	e3.0	4.4	21	16	10	3.8	1.9	1.6	1.8
23	1.8	2.1	3.0	e3.0	4.2	22	16	9.8	3.7	1.8	1.6	1.7
24	1.8	2.1	e3.8	3.0	4.1	21	18	9.2	3.5	1.8	1.6	1.7
25	1.8	2.1	e3.7	3.0	4.5	18	19	8.9	3.4	1.8	1.6	1.6
26	1.8	2.1	3.6	e3.0	4.5	15	22	8.6	3.3	1.8	1.6	1.6
27	1.8	2.1	3.5	3.0	4.0	13	25	9.1	3.3	1.8	1.6	1.6
28	1.8	2.2	3.4	2.9	3.8	14	25	13	3.3	1.8	1.6	1.6
29	1.8	2.4	3.3	2.9	3.7	17	22	10	3.3	1.7	1.6	1.7
30	1.9	2.5	e3.3	2.9	---	21	21	9.2	3.3	1.7	1.6	1.7
31	2.0	---	3.0	2.9	---	22	---	8.8	---	1.7	1.5	---
TOTAL	56.2	67.0	115.7	96.7	122.3	356.5	663	454.6	154.4	69.8	50.3	48.2
MEAN	1.81	2.23	3.73	3.12	4.22	11.5	22.1	14.7	5.15	2.25	1.62	1.61
MAX	2.0	2.5	14	3.6	14	22	28	24	8.5	3.4	1.7	1.9
MIN	1.7	2.0	2.4	2.9	2.7	3.5	15	8.6	3.3	1.7	1.5	1.5
AC-FT	111	133	229	192	243	707	1320	902	306	138	100	96

e Estimated.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10343500 SAGEHEN CREEK NEAR TRUCKEE, CA—Continued

(Hydrologic Benchmark Station)

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3.38	4.98	6.97	8.36	8.00	10.7	24.3	42.7	24.7	7.04	3.08	2.69
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 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1954 - 2004

ANNUAL TOTAL		3171.8		2254.7								
ANNUAL MEAN		8.69		6.16						12.2		
HIGHEST ANNUAL MEAN										30.0		1983
LOWEST ANNUAL MEAN										2.65		1977
HIGHEST DAILY MEAN				54	May 24		28	Apr 9		800	Jan 1	1997
LOWEST DAILY MEAN				1.7	Sep 23		1.5	Aug 31		1.0	Sep 13	1960
ANNUAL SEVEN-DAY MINIMUM				1.7	Sep 23		1.5	Sep 7		1.1	Sep 9	1960
MAXIMUM PEAK FLOW							35	Apr 5		1230	Jan 1	1997
MAXIMUM PEAK STAGE							2.44	Apr 5		5.20	Jan 1	1997
ANNUAL RUNOFF (AC-FT)			6290				4470			8870		
10 PERCENT EXCEEDS			21				18			32		
50 PERCENT EXCEEDS			3.7				3.0			4.4		
90 PERCENT EXCEEDS			1.8				1.6			1.9		

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10343500 SAGEHEN CREEK NEAR TRUCKEE, CA—Continued

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. Interruptions in record due to malfunction of the recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 212 microsiemens, Aug. 6, 2002; minimum recorded, 42 microsiemens, May 28, 2003.

WATER TEMPERATURE: Maximum recorded, 20.5°C, June 28, 30, 1973; minimum recorded, -0.5°C, many days November 2000 through March 2001.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum recorded, 154 microsiemens, Oct. 20; minimum recorded, 50 microsiemens, May 4, 5.

WATER TEMPERATURE: Maximum recorded, 19.5°C, July 24; minimum recorded, 0.0°C, many days November through March.

SPECIFIC CONDUCTANCE, MICROSIEMENS/CM AT 25 DEG. C, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	150	142	140	137	126	124	114	110	118	116	107	105
2	147	141	141	136	124	122	112	109	118	112	109	106
3	149	140	139	136	126	124	116	112	118	115	109	106
4	146	140	141	136	127	124	118	114	118	116	109	107
5	148	141	---	---	125	110	116	115	120	115	109	107
6	147	142	137	135	110	73	117	115	120	114	108	102
7	148	141	137	134	95	73	116	115	119	115	104	99
8	146	142	137	133	106	95	116	108	120	116	102	95
9	148	142	135	129	109	106	115	109	119	116	98	92
10	146	142	135	133	111	107	118	115	120	116	95	90
11	147	142	136	134	115	110	120	117	120	116	93	89
12	146	141	136	133	116	114	121	119	121	116	92	87
13	146	141	135	131	116	112	121	120	121	115	90	85
14	146	142	134	129	114	108	122	120	121	116	88	82
15	146	140	133	129	118	114	122	120	119	116	85	80
16	146	141	133	130	118	115	122	120	117	73	82	78
17	147	141	133	129	118	116	123	121	80	72	81	76
18	150	142	132	130	119	117	122	120	91	80	79	73
19	147	142	132	129	---	---	122	119	95	91	75	70
20	154	144	130	127	116	109	122	118	101	95	74	68
21	147	139	130	127	113	110	120	118	101	98	72	66
22	143	140	134	129	115	112	121	116	102	100	70	64
23	143	140	137	130	116	112	119	117	103	101	67	62
24	142	139	133	130	113	92	119	117	103	101	66	63
25	142	139	132	130	107	99	119	117	104	94	66	64
26	142	139	132	130	112	107	119	116	102	97	69	66
27	142	138	134	130	116	111	119	115	105	101	70	68
28	141	139	132	129	116	110	119	116	106	104	70	66
29	142	139	130	126	112	109	119	117	107	105	70	63
30	142	138	128	125	112	108	118	115	---	---	65	60
31	141	136	---	---	114	112	118	116	---	---	64	59
MONTH	154	136	---	---	---	---	123	108	121	72	109	59

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10343500 SAGEHEN CREEK NEAR TRUCKEE, CA—Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS/CM AT 25 DEG. C, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	63	60	57	52	73	69	114	109	141	137	147	143
2	65	61	56	52	74	70	115	109	141	138	147	143
3	64	58	56	51	74	72	117	111	141	138	146	142
4	61	56	55	50	75	73	120	114	141	138	145	142
5	60	53	54	50	76	73	123	116	141	138	145	139
6	58	55	56	52	77	74	124	118	141	138	145	142
7	59	54	56	52	78	75	125	120	141	139	145	142
8	58	53	57	54	79	76	126	121	143	139	145	142
9	57	54	58	55	79	77	126	122	143	141	145	141
10	57	54	59	57	81	78	127	122	143	141	147	141
11	57	53	60	57	83	80	128	123	144	141	147	140
12	56	53	61	59	86	81	130	124	144	133	146	141
13	55	52	63	60	88	83	130	125	145	140	145	141
14	56	53	63	60	89	85	131	127	145	143	144	140
15	57	54	64	61	95	86	132	128	145	142	143	138
16	59	56	65	62	96	92	133	127	145	141	142	139
17	59	58	65	62	98	93	134	129	145	142	142	139
18	61	59	66	63	99	94	135	130	145	142	143	138
19	61	60	67	65	100	95	136	131	145	143	142	137
20	62	59	67	65	102	96	136	131	146	143	---	---
21	61	59	68	66	103	97	137	130	146	139	---	---
22	62	60	68	66	106	99	137	134	143	139	---	---
23	62	59	69	66	107	101	137	134	145	138	---	---
24	61	58	70	67	109	102	138	135	144	142	138	136
25	60	55	71	69	109	104	141	136	146	140	138	136
26	60	53	72	70	111	105	140	136	146	142	138	136
27	57	51	71	66	111	107	139	136	145	143	138	135
28	55	51	67	64	112	108	140	137	146	142	138	135
29	56	52	69	66	113	108	140	137	146	143	138	135
30	58	53	71	67	114	109	140	137	147	143	---	---
31	---	---	73	68	---	---	140	137	147	143	---	---
MONTH	65	51	73	50	114	69	141	109	147	133	---	---

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10343500 SAGEHEN CREEK NEAR TRUCKEE, CA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	4.0	1.0	10.5	3.0	15.5	6.0	13.5	8.0	17.5	8.0	16.0	9.5
2	5.5	1.0	11.5	3.5	16.0	6.0	14.0	7.5	17.0	9.0	14.5	8.5
3	5.5	1.5	11.5	3.5	13.0	6.5	17.5	8.0	16.5	7.0	12.0	6.0
4	6.0	1.5	11.5	4.0	16.0	6.0	18.0	8.0	16.5	7.5	13.0	5.5
5	6.5	1.5	12.0	4.5	15.0	6.0	19.0	8.5	16.0	7.5	13.5	6.0
6	6.0	1.5	11.0	5.0	16.5	6.5	19.0	9.5	16.5	8.5	14.0	7.0
7	6.5	1.5	11.0	4.5	15.0	7.5	19.0	10.5	16.5	6.5	13.5	6.5
8	6.5	1.5	11.5	4.5	9.0	5.0	18.5	8.5	17.0	8.0	13.5	6.0
9	7.0	1.5	11.5	4.0	9.5	5.0	17.5	9.0	17.5	9.0	13.0	6.0
10	7.0	1.5	9.0	4.0	14.0	6.0	17.5	9.5	17.5	8.5	13.0	6.0
11	7.5	1.5	7.0	3.0	14.5	5.0	18.0	8.5	17.5	9.0	13.0	6.0
12	7.5	2.0	11.0	2.5	15.5	6.0	18.5	8.5	16.5	9.5	13.5	8.5
13	7.5	2.5	12.0	4.0	16.5	6.5	19.0	9.5	15.0	10.5	12.5	6.0
14	7.0	2.0	11.5	4.0	17.0	7.5	18.5	9.0	17.0	9.5	12.0	5.0
15	6.5	2.0	12.5	4.0	17.0	7.5	18.5	8.5	15.0	10.5	12.0	5.0
16	5.0	2.5	13.0	4.0	15.5	7.5	17.5	8.5	14.5	9.5	12.5	6.0
17	7.0	2.0	12.0	4.5	17.0	8.0	18.0	10.0	16.0	7.5	12.5	6.0
18	4.0	2.0	11.5	4.0	17.5	7.5	19.0	10.5	15.5	8.5	10.0	7.0
19	5.0	2.0	12.0	3.5	17.0	7.5	19.0	10.0	15.0	9.0	8.0	5.0
20	7.0	2.5	12.0	4.0	17.0	7.0	19.0	9.5	17.0	9.0	7.0	4.0
21	7.5	2.5	8.0	4.0	17.5	8.0	19.0	9.5	16.5	8.5	9.0	3.0
22	8.0	1.5	12.5	4.0	18.5	8.5	19.0	9.5	12.0	8.5	10.0	4.0
23	8.5	1.5	12.5	4.0	18.5	8.5	17.5	10.0	14.5	8.5	11.0	5.0
24	9.5	2.0	11.0	4.0	17.0	8.5	19.5	10.0	15.0	8.0	11.0	4.5
25	10.0	2.5	11.0	4.5	17.5	7.5	19.0	10.0	15.0	9.0	11.0	5.0
26	10.0	2.5	12.5	4.5	17.5	7.0	19.0	9.5	13.0	7.5	11.0	5.0
27	10.5	3.0	14.0	6.5	15.5	8.0	18.5	8.5	13.5	6.0	10.0	4.0
28	9.0	3.5	10.5	6.5	15.5	9.0	19.0	9.5	14.5	6.5	10.5	5.0
29	9.0	2.5	13.5	5.5	14.5	8.0	17.5	8.5	14.5	7.5	9.5	5.0
30	10.0	2.5	14.5	5.0	13.0	8.5	17.0	7.5	15.0	7.5	8.5	5.0
31	---	---	15.0	5.5	---	---	17.5	8.0	15.0	7.0	---	---
MONTH	10.5	1.0	15.0	2.5	18.5	5.0	19.5	7.5	17.5	6.0	16.0	3.0

CROSS SECTION ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Depth at sample location, feet (81903)	Sam-pling depth, feet (00003)	Specif. conduc-tance, uS/cm 25 degC (00095)	Temper-ature, deg C (00010)	Loca-tion in X-sect. looking downstrm ft from l bank (00009)
OCT						
21...*	1141	.72	.60	130	5.5	3.00
21...*	1143	.68	.60	130	5.5	4.50
21...*	1145	.66	.60	130	5.5	6.00
21...*	1147	.83	.60	130	5.5	7.00
21...*	1149	.97	.60	130	5.5	8.00
21...*	1151	1.08	.60	130	6.0	9.00
21...*	1153	1.12	.60	130	6.0	10.0
21...*	1155	1.22	.60	130	6.0	11.0
21...*	1157	1.30	.60	130	6.0	12.0
21...*	1158	1.16	.60	130	6.0	13.0
MAR						
23...*	1453	1.50	1.00	63	4.5	11.0
23...*	1454	1.60	1.00	63	4.5	10.0
23...*	1455	1.60	1.00	63	4.5	9.00
23...*	1456	1.50	1.00	63	4.5	8.00
23...*	1457	1.70	1.00	63	4.5	7.00
23...*	1458	1.80	1.00	63	4.5	6.00
23...*	1459	2.00	1.00	63	4.5	5.00
23...*	1500	2.10	1.00	63	4.5	4.00
23...*	1501	2.00	1.00	63	4.5	3.00
23...*	1502	1.90	1.00	63	4.5	2.00
23...*	1503	1.80	1.00	63	4.5	1.00

* Instantaneous discharge at time of cross-sectional measurements: Oct. 21, 1.80 ft³/s; Mar. 23, 23.0 ft³/s.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10344300 STAMPEDE RESERVOIR NEAR TRUCKEE, CA

LOCATION.—Lat 39°28'14", long 120°06'11", in SE ¼ NE ¼ 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 mi².

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 Aug. 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 Truckee River Basin, Lake Tahoe and Truckee River 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, Jan. 31, Feb. 1, 1978, elevation, 5,853.60 ft.

EXTREMES (at 0800 hours) FOR CURRENT YEAR.—Maximum contents, 143,200 acre-ft, May 7, elevation, 5,921.20 ft; minimum, 106,300 acre-ft, Sept. 29, 30, minimum elevation, 5,905.76 ft, Sept. 30.

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 2003 TO SEPTEMBER 2004

DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139300	137300	136900	134400	130300	129900	136200	141100	132400	125100	112700	108200
2	139100	137200	136900	134300	130200	129900	136300	141300	132200	124900	112300	108100
3	139000	137300	136900	134100	130300	129800	136500	141600	132000	124700	111800	108000
4	138900	137200	136800	133900	130200	129800	136800	142000	131700	124500	111500	107900
5	138800	137200	136700	133700	130000	129700	137100	142300	131400	124400	111200	107800
6	138700	137200	136800	133600	130000	129700	137500	142800	131100	124200	111000	107800
7	138600	137200	137100	133500	129900	129600	137800	143200	130700	123900	110700	107700
8	138500	137100	137100	133300	129800	129600	138200	143100	130400	123600	110500	107700
9	138400	137200	137100	133100	129700	129600	138500	143000	130200	123300	110300	107600
10	138300	137200	137100	132900	129500	129700	138900	142900	129800	122900	110100	107500
11	138200	137200	137000	132700	129500	129800	139200	142600	129400	122500	110000	107400
12	138100	137100	136800	132500	129400	130000	139500	142200	129000	122100	109900	107400
13	137900	137100	136700	132400	129300	130200	140000	141600	128600	121700	109700	107300
14	137900	137200	136700	132200	129200	130400	140200	141100	128200	121200	109700	107200
15	137800	137200	136500	132100	129100	130700	140400	140600	127800	120800	109600	107100
16	137800	137200	136300	132000	129000	131000	140500	140000	127700	120200	109500	107100
17	137700	137300	136200	131800	129300	131100	140600	139500	127600	119800	109300	107100
18	137700	137200	136000	131700	129400	131200	140600	139000	127400	119300	109200	107000
19	137700	137300	135900	131600	129500	131500	140500	138400	127200	118900	109100	106900
20	137700	137200	135700	131500	129500	131800	140500	137800	126900	118400	109100	106900
21	137600	137200	135500	131300	129600	132200	140500	137200	126700	118400	109000	106800
22	137600	137100	135300	131100	129600	132700	140400	136600	126600	117500	109000	106800
23	137600	137000	135100	131000	129600	133300	140300	136000	126400	117000	108900	106800
24	137500	137100	135100	131000	129500	133900	140200	135300	126200	116500	108800	106700
25	137400	137000	e135100	130900	129500	134400	140200	134600	126100	116100	108700	106600
26	137400	137000	e135000	130700	129900	134900	140300	133900	125900	115600	108600	106600
27	137300	136900	134700	130700	129900	135100	140400	133300	125700	115100	108500	106500
28	137300	136900	134600	130700	129900	135200	140700	132900	125600	114600	108400	106400
29	137400	136900	134600	130600	129900	135300	140900	132900	125400	114100	108400	106300
30	137300	136900	134600	130500	---	135600	141000	132800	125300	113600	108300	106300
31	137300	---	134400	130400	---	135800	---	132600	---	113100	108200	---
MAX	139300	137300	137100	134400	130300	135800	141000	143200	132400	125100	112700	108200
MIN	137300	136900	134400	130400	129000	129600	136200	132600	125300	113100	108200	106300
a	5918.92	5918.77	5917.79	5916.21	5916.00	5918.36	5920.34	5917.11	5914.10	5908.82	5906.65	5905.76
b	-2100	-400	-2500	-4000	-500	+5900	+5200	-8400	-7300	-12200	-4900	-1900

CAL YR 2003 MAX 158000 MIN 113200 b +21200
WTR YR 2004 MAX 143200 MIN 106300 b -33100

e Estimated.

a Elevation, in feet, at end of month.

b Change in contents, in acre-feet.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

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

LOCATION.—Lat 39°26'09", long 120°05'00", in SW ¼ SW ¼ 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 mi².

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: 1903–04, 1906–07, 1910, drainage area at site used in 1903–07.

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 Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.—Water years 1939–68, prior to construction of Stampede Dam, maximum discharge, 13,300 ft³/s, Feb. 1, 1963, gage height, 9.00 ft, from rating curve extended above 1,600 ft³/s, on basis of slope-area measurement of peak flow; minimum daily, 3.0 ft³/s, Nov. 30, 1954. Maximum discharge since construction of Stampede Dam in 1969, 3,850 ft³/s, Jan. 3, 1997, gage height, 5.26 ft; minimum daily, 0.30 ft³/s, Sept. 16–21, 1969.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	32	54	132	84	87	226	245	335	101	196	31
2	77	32	54	131	84	86	225	245	334	101	196	30
3	77	32	67	130	79	86	208	245	335	101	174	31
4	77	32	79	130	84	86	230	245	334	100	127	31
5	77	32	80	130	84	85	230	245	335	100	106	31
6	67	32	80	130	84	85	227	245	335	119	106	31
7	58	32	85	130	84	87	222	328	334	e134	106	31
8	58	32	85	130	84	90	221	419	303	149	106	30
9	58	33	108	130	84	93	222	420	270	174	97	31
10	58	32	131	130	84	98	221	479	269	184	76	30
11	58	32	130	130	84	98	221	522	268	184	63	30
12	58	32	130	130	84	100	211	520	267	194	57	30
13	58	32	130	116	84	100	217	526	267	210	51	30
14	46	32	131	103	84	101	219	532	244	227	51	29
15	33	32	130	103	84	129	219	532	165	234	51	28
16	33	32	130	103	87	184	219	532	138	234	51	28
17	33	32	130	103	90	223	219	532	137	234	50	28
18	33	32	130	103	90	233	219	531	136	234	50	28
19	32	43	130	103	88	234	219	531	136	234	41	28
20	32	53	130	103	88	233	219	531	136	233	31	29
21	32	54	130	103	87	233	235	530	123	233	31	e29
22	32	54	130	103	86	233	245	531	112	234	31	e43
23	32	54	130	93	87	232	245	530	112	233	31	e57
24	32	54	134	84	87	230	245	532	112	234	31	e57
25	32	54	132	84	93	230	245	538	106	234	31	58
26	32	54	130	84	93	230	245	538	101	233	31	56
27	32	54	130	84	88	227	245	474	101	234	31	56
28	32	54	130	84	88	226	245	378	101	233	31	56
29	32	54	132	84	86	226	245	336	101	233	31	56
30	32	54	130	84	---	226	245	335	101	211	30	52
31	32	---	130	84	---	226	---	335	---	195	31	---
TOTAL	1452	1213	3562	3371	2493	5037	6854	13462	6148	5988	2126	1115
MEAN	46.8	40.4	115	109	86.0	162	228	434	205	193	68.6	37.2
MAX	77	54	134	132	93	234	245	538	335	234	196	58
MIN	32	32	54	84	79	85	208	245	101	100	30	28
AC-FT	2880	2410	7070	6690	4940	9990	13590	26700	12190	11880	4220	2210

e Estimated.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

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 - 2004, BY WATER YEAR (WY)

MEAN	71.0	42.3	73.1	104	87.8	138	305	532	321	171	113	57.8
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 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1969 - 2004

ANNUAL TOTAL	38967	52821	
ANNUAL MEAN	107	144	168
HIGHEST ANNUAL MEAN			427 1983
LOWEST ANNUAL MEAN			53.4 1992
HIGHEST DAILY MEAN	270 Apr 15	538 May 25	2590 Jan 12 1997
LOWEST DAILY MEAN	31 Jun 13	28 Sep 15	0.30 Sep 16 1969
ANNUAL SEVEN-DAY MINIMUM	31 Jun 13	28 Sep 14	0.31 Sep 15 1969
MAXIMUM PEAK FLOW		553 May 26	3850 Jan 3 1997
MAXIMUM PEAK STAGE		2.13 May 26	5.26 Jan 3 1997
ANNUAL RUNOFF (AC-FT)	77290	104800	122000
10 PERCENT EXCEEDS	262	267	461
50 PERCENT EXCEEDS	77	101	55
90 PERCENT EXCEEDS	32	32	28

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10344490 BOCA RESERVOIR NEAR TRUCKEE, CA

LOCATION.—Lat 39°23'20", long 120°05'43", in NE ¼ NW ¼ 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 mi².

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 Dec. 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 Truckee River Basin, Lake Tahoe and Truckee River Basin.

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

EXTREMES (at 0800 hours) FOR CURRENT YEAR.—Maximum contents, 31,500 acre-ft, estimated, July 20, elevation unknown; minimum, 3,400 acre-ft, Dec. 5, elevation, 5,544.65 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 2003 TO SEPTEMBER 2004

DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26600	16400	4310	e4630	5100	6820	16900	24400	30000	31100	30800	16900
2	26500	16000	4120	4630	5100	6930	17400	24600	29900	31100	30600	15700
3	26400	15600	3850	4540	5120	6930	17900	24900	29800	31100	30400	15200
4	26400	15200	3550	4430	5120	7110	18300	25100	29800	31100	30200	14700
5	26300	14800	3400	4430	5130	7160	18800	25300	29900	31100	29800	14300
6	26200	14300	3410	4440	5130	7190	19300	25500	30000	31000	29400	13800
7	26000	13900	3500	4450	5150	7250	19800	25600	30100	31000	29000	13400
8	25800	13500	3530	4460	5150	7330	20300	25700	30200	31000	28600	13000
9	25600	13100	3490	4480	5150	7460	20300	25800	30300	31000	28200	12600
10	25400	12700	3510	4490	5160	7620	20300	26000	30400	31000	27700	12400
11	25100	12300	3540	4500	5160	7800	21600	26300	30400	31100	27200	12100
12	24800	11900	3510	4520	5160	7980	22100	26500	30500	31100	26700	11800
13	24600	11500	3460	4590	5170	8180	22500	26700	30500	31100	26200	11500
14	24300	11100	3550	4640	5170	8390	22900	26900	30600	31200	25700	11200
15	23900	10600	3660	4690	5170	8610	23400	27200	30600	31200	25700	10800
16	23600	10200	3760	4740	5180	8940	23700	27400	30700	31300	24700	10300
17	23300	9780	3860	4790	5240	9390	23900	27700	30800	31300	24100	9610
18	22900	9370	3950	4840	5370	9880	24000	28000	30800	31400	23600	8900
19	22600	8940	4010	4890	5500	10400	24200	28400	30800	31400	23100	8180
20	22300	8510	4070	4940	5620	10900	24200	28700	30900	e31500	22600	7510
21	21900	8080	4120	4990	5720	11400	24100	28900	30900	e31400	22100	6780
22	21500	7670	4180	5040	5820	11900	24100	29000	30900	e31400	21500	6010
23	21100	7280	4230	5080	5920	12400	24000	29200	30900	31400	21000	5460
24	20600	6870	4280	5090	6020	12900	23900	29400	30900	31400	20500	5340
25	20100	6440	4390	5090	6130	13500	23900	29700	31000	31400	20000	5330
26	19600	6020	4450	5090	6360	13500	23800	30000	31000	31300	19500	5330
27	19100	5630	e4510	5090	6510	14700	23800	30400	31000	31300	19000	5330
28	18600	5240	e4570	5100	6620	15200	23800	30400	31000	31200	18400	5340
29	18100	4820	e4620	5100	6720	15700	23900	30300	31000	31200	17900	5350
30	17600	4500	4680	5100	---	16000	24200	30200	31000	31100	17400	5380
31	17000	---	4640	5100	---	16400	---	30100	---	31000	16900	---
MAX	26600	16400	4680	5100	6720	16400	24200	30400	31000	31500	30800	16900
MIN	17000	4500	3400	4430	5100	6820	16900	24400	29800	31000	16900	5330
a	5578.43	5548.59	5549.05	5550.44	5555.05	5574.51	5585.79	5593.22	5594.31	5594.23	5575.24	5551.25
b	-9800	-12500	+140	+460	+1620	+9680	+7800	+5900	+900	0	-14100	-11520

CAL YR 2003 MAX 31500 MIN 3400 b -130
WTR YR 2004 MAX 31500 MIN 3400 b -21420

e Estimated.

a Elevation, in feet, at end of month.

b Change in contents, in acre-feet.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

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

LOCATION.—Lat 39°23'13", long 120°05'40", in NE ¼ NW ¼ 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 mi².

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.

WATER TEMPERATURE: Water years 1993–98.

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. Jan. 1, 1911, to Sept. 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 Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 8,800 ft³/s, Dec. 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	132	256	148	146	86	52	0.46	137	382	81	281	308
2	122	241	167	163	86	52	0.46	138	382	81	289	298
3	121	240	213	187	86	53	0.46	138	373	86	289	286
4	121	252	171	155	86	68	0.48	138	308	102	299	260
5	120	253	106	131	86	74	0.50	139	278	110	302	252
6	126	242	78	131	86	74	0.51	166	278	125	310	262
7	147	241	78	131	86	74	0.50	301	268	130	312	253
8	158	239	91	131	86	57	0.50	336	238	141	311	197
9	171	238	126	131	86	50	0.50	347	237	145	321	177
10	182	234	126	131	85	50	0.54	355	237	157	320	170
11	186	232	136	131	85	50	0.56	388	238	167	307	167
12	194	230	161	110	85	51	0.56	406	238	181	308	167
13	199	237	130	98	85	51	0.60	407	238	190	307	184
14	199	259	93	85	85	51	0.54	408	230	197	313	206
15	199	257	93	85	85	51	25	409	125	200	315	255
16	199	255	91	85	86	52	130	376	104	212	314	347
17	198	254	91	85	63	52	154	359	104	216	310	380
18	197	252	97	85	51	52	154	360	104	222	302	380
19	196	255	112	85	50	53	217	361	105	225	301	377
20	204	266	113	86	51	53	253	392	105	238	299	382
21	214	264	113	85	51	54	272	428	105	241	299	409
22	e240	261	113	86	51	54	284	428	105	240	297	377
23	e255	262	113	86	51	47	284	430	105	249	294	182
24	276	266	114	86	51	0.56	283	399	103	253	283	72
25	281	263	114	86	51	0.52	283	374	87	259	279	56
26	283	260	114	86	52	0.52	283	355	87	263	287	56
27	283	258	114	86	52	0.49	253	403	87	262	298	53
28	283	255	115	86	52	0.53	202	400	87	262	301	46
29	284	229	115	86	52	61	155	383	78	262	300	46
30	300	171	139	86	---	88	137	382	77	262	299	51
31	317	---	157	86	---	15	---	382	---	268	306	---
TOTAL	6387	7422	3742	3317	2048	1441.62	3376.17	10425	5493	6027	9353	6656
MEAN	206	247	121	107	70.6	46.5	113	336	183	194	302	222
MAX	317	266	213	187	86	88	284	430	382	268	321	409
MIN	120	171	78	85	50	0.49	0.46	137	77	81	279	46
AC-FT	12670	14720	7420	6580	4060	2860	6700	20680	10900	11950	18550	13200

e Estimated.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

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)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	116	84.4	94.9	112	88.4	121	271	466	297	202	154	119
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	0.00	0.02	0.11	0.00	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 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1970 - 2004

ANNUAL TOTAL	41748.13	65687.79	
ANNUAL MEAN	114	179	178
HIGHEST ANNUAL MEAN			470 1983
LOWEST ANNUAL MEAN			55.6 1992
HIGHEST DAILY MEAN	445 May 2	430 May 23	2530 Jan 9 1997
LOWEST DAILY MEAN	0.28 Jan 7	0.46 Apr 1	0.00 Sep 13 1994
ANNUAL SEVEN-DAY MINIMUM	0.32 Jan 15	0.48 Apr 1	0.00 Sep 13 1994
MAXIMUM PEAK FLOW		438 May 27	2720 Jan 8 1997
MAXIMUM PEAK STAGE		3.19 May 27	6.14 Jan 8 1997
ANNUAL RUNOFF (AC-FT)	82810	130300	128800
10 PERCENT EXCEEDS	260	318	442
50 PERCENT EXCEEDS	113	162	93
90 PERCENT EXCEEDS	0.42	51	0.59

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10344505 TRUCKEE RIVER AT BOCA BRIDGE, NEAR TRUCKEE, CA

LOCATION.—Lat 39°23'07", long 120°05'12", in SE ¼ NE ¼ 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 mi².

PERIOD OF RECORD.—August 2002 to current year.

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 Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 1,590 ft³/s, May 29, 2003, gage height, 7.89 ft; minimum daily, 50 ft³/s, Dec. 11, 12, 2002.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	446	327	197	295	210	317	682	712	864	502	543	480
2	432	324	217	e300	216	310	663	763	860	494	542	479
3	421	352	263	311	223	300	682	833	829	491	533	485
4	419	420	220	275	217	306	733	897	720	496	539	470
5	413	457	153	260	211	310	799	911	654	495	534	454
6	412	432	197	274	212	311	808	879	646	505	529	463
7	415	413	365	276	214	326	749	955	636	505	524	465
8	408	396	261	280	211	330	775	972	570	505	520	457
9	408	390	303	291	212	358	763	960	552	499	528	470
10	408	374	299	295	214	436	734	942	526	498	525	469
11	408	359	291	292	206	489	712	911	523	504	508	459
12	410	347	270	265	207	508	723	880	517	513	509	451
13	411	344	233	242	204	530	746	871	518	517	506	456
14	406	349	206	228	204	558	693	877	547	516	508	459
15	382	347	192	228	202	628	649	866	512	514	515	484
16	365	339	193	228	230	695	646	833	483	519	512	593
17	360	333	188	225	471	733	624	831	480	519	500	624
18	358	326	189	225	395	762	588	819	470	518	486	614
19	355	326	204	224	382	824	624	788	462	515	482	609
20	361	327	209	225	366	842	664	838	483	523	478	596
21	358	322	221	230	342	896	696	880	507	522	473	569
22	361	314	213	219	332	975	720	887	504	517	470	512
23	360	310	210	218	326	1060	710	905	501	522	470	293
24	354	315	255	218	319	1030	722	833	499	523	474	169
25	349	311	301	216	378	960	758	756	490	520	466	142
26	350	306	260	213	443	847	809	707	488	519	470	135
27	349	302	228	215	405	741	857	820	489	526	484	124
28	347	298	228	217	347	716	874	971	520	529	481	109
29	343	268	239	214	324	731	771	837	514	526	474	104
30	361	216	284	215	---	767	686	819	503	527	470	106
31	394	---	305	212	---	707	---	839	---	536	475	---
TOTAL	11924	10244	7394	7626	8223	19303	21660	26592	16867	15915	15528	12300
MEAN	385	341	239	246	284	623	722	858	562	513	501	410
MAX	446	457	365	311	471	1060	874	972	864	536	543	624
MIN	343	216	153	212	202	300	588	707	462	491	466	104
AC-FT	23650	20320	14670	15130	16310	38290	42960	52750	33460	31570	30800	24400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

	2002	2003	2004	2002	2003	2004	2002	2003	2004	2002	2003	2004
MEAN	410	336	226	298	303	553	739	915	619	560	497	478
MAX	435	341	239	349	324	623	757	972	676	606	501	527
(WY)	2003	2004	2004	2003	2003	2004	2003	2003	2003	2003	2004	2003
MIN	385	331	213	246	284	484	722	858	562	513	493	410
(WY)	2004	2003	2003	2004	2004	2003	2004	2004	2004	2004	2003	2004

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	187470		173576			
ANNUAL MEAN	514		474		495	
HIGHEST ANNUAL MEAN					515	
LOWEST ANNUAL MEAN					474	
HIGHEST DAILY MEAN	1340	May 30	1060	Mar 23	1340	May 30 2003
LOWEST DAILY MEAN	153	Dec 5	104	Sep 29	50	Dec 11 2002
ANNUAL SEVEN-DAY MINIMUM	197	Dec 14	127	Sep 24	53	Dec 6 2002
MAXIMUM PEAK FLOW			1120	Mar 23	1590	May 29 2003
MAXIMUM PEAK STAGE			7.46	Mar 23	7.89	May 29 2003
ANNUAL RUNOFF (AC-FT)	371800		344300		358300	
10 PERCENT EXCEEDS	888		821		839	
50 PERCENT EXCEEDS	487		470		480	
90 PERCENT EXCEEDS	275		216		228	

e Estimated.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10345490 GRAY CREEK NEAR FLORISTON, CA

LOCATION.—Lat 39°22'22", long 120°01'49", in NE ¼ NE ¼ 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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 2001 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 5,420 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good except for estimated daily discharges, which are fair. [See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 248 ft³/s, May 28, 2003, gage height, 3.23 ft, maximum gage height, 3.87 ft, backwater from ice, Jan. 24, 2002; minimum daily, 6.7 ft³/s, Feb. 6, 2002.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 100 ft³/s, or maximum:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 3	1945	78	2.51

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	e9.5	10	e8.0	e8.5	11	23	35	48	22	15	9.5
2	9.9	e9.5	10	e8.0	e8.5	11	21	43	50	23	14	9.6
3	9.9	e9.8	10	e8.1	e8.5	12	20	52	50	22	14	9.7
4	10	e9.8	11	e8.2	e8.5	11	23	52	50	20	14	9.7
5	9.8	9.5	12	e8.3	e8.5	9.5	28	51	50	19	13	9.6
6	9.8	11	13	e8.4	e8.8	11	28	48	52	19	13	9.5
7	9.8	9.7	12	e8.5	e8.8	14	27	44	47	19	13	9.4
8	9.8	9.9	e12	8.7	e8.3	15	27	42	40	18	13	9.0
9	9.8	10	e11	8.7	e8.6	14	27	40	38	17	12	9.0
10	10	9.8	11	8.7	e8.8	16	29	33	35	18	12	9.0
11	9.9	11	e10	8.7	e8.8	17	30	30	34	17	11	8.8
12	9.5	11	e9.0	8.6	e8.8	16	30	30	34	16	11	8.8
13	9.4	10	8.8	8.7	e8.3	16	29	32	35	16	12	8.9
14	9.3	11	e8.8	e9.0	e8.3	18	29	33	36	16	11	9.1
15	9.5	10	e8.7	9.1	7.8	18	28	33	36	16	12	9.0
16	9.5	10	e8.7	e9.0	11	20	25	32	36	17	11	8.8
17	9.6	10	e8.6	e9.0	14	20	23	33	37	16	11	8.9
18	9.4	10	e8.6	9.0	14	26	22	31	37	15	11	8.5
19	9.6	10	8.0	e9.0	12	31	21	31	37	15	11	8.8
20	9.8	9.7	8.5	9.0	13	32	20	32	38	15	11	9.3
21	9.6	11	8.4	e9.0	11	37	20	31	39	15	10	9.1
22	9.5	e10	e8.2	e9.0	10	35	20	31	39	15	11	8.4
23	9.4	e10	8.2	e8.5	10	36	19	33	37	15	10	7.9
24	9.3	e9.8	e8.2	e8.5	9.8	33	21	33	34	15	10	7.9
25	8.7	e9.8	e8.2	e8.2	13	30	24	33	31	15	9.8	7.8
26	8.9	e9.7	e8.0	e8.2	16	22	28	33	28	15	9.8	7.8
27	9.1	e9.6	e8.0	8.2	17	19	34	40	25	15	10	7.8
28	9.0	e9.5	e8.0	8.0	12	19	34	41	25	15	10	7.7
29	9.2	9.5	e8.0	7.9	13	20	32	37	23	15	9.8	8.2
30	9.4	9.6	e8.0	8.0	---	23	33	41	21	15	9.7	8.4
31	9.3	---	7.9	e8.2	---	25	---	45	---	15	9.5	---
TOTAL	295.3	299.7	288.8	264.4	303.6	637.5	775	1155	1122	521	354.6	263.9
MEAN	9.53	9.99	9.32	8.53	10.5	20.6	25.8	37.3	37.4	16.8	11.4	8.80
MAX	10	11	13	9.1	17	37	34	52	52	23	15	9.7
MIN	8.7	9.5	7.9	7.9	7.8	9.5	19	30	21	15	9.5	7.7
AC-FT	586	594	573	524	602	1260	1540	2290	2230	1030	703	523

e Estimated.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10345490 GRAY CREEK NEAR FLORISTON, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	8.64	9.04	8.42	9.31	10.0	14.8	22.4	41.5	44.7	15.9	11.1	8.81
MAX	9.53	9.99	9.32	11.4	12.0	20.6	25.8	50.8	61.2	16.8	12.4	9.66
(WY)	2004	2004	2004	2003	2003	2004	2004	2003	2003	2004	2003	2003
MIN	7.75	8.09	7.63	7.98	7.69	9.15	19.2	36.5	35.5	14.9	9.51	7.98
(WY)	2003	2003	2002	2002	2002	2002	2003	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	7184.2		6280.8			
ANNUAL MEAN	19.7		17.2		18.2	
HIGHEST ANNUAL MEAN					19.3 2003	
LOWEST ANNUAL MEAN					17.2 2004	
HIGHEST DAILY MEAN	124	May 28	52	May 3	124	May 28 2003
LOWEST DAILY MEAN	7.9	Dec 31	7.7	Sep 28	6.7	Feb 6 2002
ANNUAL SEVEN-DAY MINIMUM	8.0	Dec 25	7.9	Sep 23	7.0	Feb 2 2002
MAXIMUM PEAK FLOW			78	May 3	248	May 28 2003
MAXIMUM PEAK STAGE			2.51	May 3	3.87	Jan 24 2002
ANNUAL RUNOFF (AC-FT)	14250		12460		13200	
10 PERCENT EXCEEDS	36		35		35	
50 PERCENT EXCEEDS	12		11		11	
90 PERCENT EXCEEDS	9.2		8.4		8.0	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
 10345490 GRAY CREEK NEAR FLORISTON, CA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 2001 to current year.

pH: December 2001 to current year.
 SPECIFIC CONDUCTANCE: December 2001 to current year.
 WATER TEMPERATURE: December 2001 to current year.
 TURBIDITY: December 2001 to current year.
 SEDIMENT: November 2001 to current year.

PERIOD OF DAILY RECORD.—December 2001 to current year.

pH: December 2001 to current year.
 SPECIFIC CONDUCTANCE: December 2001 to current year.
 WATER TEMPERATURE: December 2001 to current year.
 TURBIDITY: December 2001 to current year.

INSTRUMENTATION.—Water-quality monitor since December 2001.

REMARKS.—Water temperature records rated excellent. pH records are rated good. Specific conductance and turbidity records rated fair.
 Interruptions in record due to sensor malfunction.

EXTREMES FOR PERIOD OF DAILY RECORD.—

pH: Maximum recorded, 8.8 standard units, several days in 2003; minimum recorded, 7.0 standard units, July 20, 2003.
 SPECIFIC CONDUCTANCE: Maximum recorded, 257 microsiemens, July 28, 2003; minimum recorded, 15 microsiemens, May 22, 2003.
 WATER TEMPERATURE: Maximum recorded, 21.5°C, July 10, 2002, July 21, 29, 2003; minimum recorded, 0.0°C, several days in most years.
 TURBIDITY: Maximum recorded, >4,000 NTU, July 20, 21, 28, 29, Aug. 21, 2003; minimum recorded, 0.0 NTU, some days in most years.

EXTREMES FOR CURRENT YEAR.—

pH: Maximum recorded, 8.6 standard units, many days in April, August, and September; minimum recorded, 7.9 standard units, Nov. 12.
 SPECIFIC CONDUCTANCE: Maximum recorded, 223 microsiemens, Feb. 26; minimum recorded, 81 microsiemens, June 2, 3.
 WATER TEMPERATURE: Maximum recorded, 21.0°C, July 19; minimum recorded, 0.0°C, many days in October to March.
 TURBIDITY: Maximum recorded, 980 NTU, May 4; minimum recorded, 1.1 NTU, Sep. 22, 29.

> Actual value is known to be greater than value shown.

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.4	8.3	8.3	8.1	8.0	8.0	8.3	8.3	8.4	8.2	8.4	8.3
2	8.4	8.2	8.2	8.1	8.0	8.0	8.3	8.2	8.4	8.2	8.5	8.3
3	8.4	8.2	8.3	8.1	8.0	8.0	8.3	8.2	8.4	8.2	8.5	8.3
4	8.4	8.3	8.2	8.1	8.0	8.0	8.2	8.2	8.4	8.3	8.5	8.3
5	8.4	8.3	8.3	8.2	8.0	8.0	8.2	8.2	8.3	8.3	8.5	8.3
6	8.4	8.3	8.3	8.1	8.0	8.0	8.2	8.2	8.3	8.3	8.5	8.3
7	8.4	8.2	8.3	8.2	8.4	8.0	8.3	8.2	8.4	8.3	8.5	8.3
8	8.4	8.3	8.3	8.2	8.3	8.2	8.3	8.2	8.3	8.3	8.5	8.3
9	8.4	8.3	8.3	8.2	8.2	8.2	8.3	8.2	8.3	8.3	8.4	8.2
10	8.4	8.3	8.3	8.2	8.2	8.1	8.4	8.3	8.3	8.3	8.4	8.2
11	8.4	8.2	8.3	8.1	8.3	8.1	8.4	8.3	8.3	8.3	8.4	8.2
12	8.4	8.2	8.3	7.9	8.2	8.2	8.4	8.2	8.3	8.3	8.3	8.2
13	8.3	8.2	8.3	8.2	8.2	8.2	8.3	8.3	8.3	8.3	8.4	8.2
14	8.4	8.2	8.2	8.2	8.3	8.2	8.4	8.2	8.4	8.2	8.3	8.2
15	8.3	8.2	8.2	8.2	8.3	8.2	8.4	8.3	8.4	8.3	8.4	8.3
16	8.4	8.2	8.2	8.2	8.2	8.2	8.4	8.3	8.4	8.2	8.4	8.3
17	8.4	8.2	8.3	8.2	8.2	8.2	8.4	8.3	8.4	8.2	8.4	8.3
18	8.4	8.2	8.2	8.2	8.2	8.2	8.4	8.3	8.4	8.3	8.4	8.3
19	8.4	8.3	8.2	8.2	8.3	8.2	8.4	8.3	8.4	8.3	8.3	8.2
20	8.4	8.3	8.2	8.1	8.3	8.2	8.4	8.3	8.4	8.3	8.3	8.2
21	8.4	8.3	8.2	8.1	8.3	8.2	8.3	8.3	8.4	8.3	8.3	8.2
22	8.4	8.3	8.1	8.1	8.3	8.2	8.3	8.2	8.4	8.3	8.3	8.2
23	8.4	8.3	8.1	8.1	8.3	8.2	8.3	8.2	8.4	8.3	8.3	8.2
24	8.3	8.2	8.1	8.1	8.3	8.2	8.4	8.3	8.5	8.3	8.3	8.2
25	8.3	8.2	8.1	8.1	8.3	8.3	8.4	8.3	8.3	8.2	8.3	8.3
26	8.3	8.2	8.1	8.1	8.3	8.3	8.3	8.3	8.4	8.3	8.4	8.3
27	8.3	8.2	8.1	8.0	8.3	8.2	8.4	8.3	8.4	8.3	8.4	8.3
28	8.4	8.2	8.1	8.0	8.3	8.2	8.4	8.3	8.4	8.3	8.4	8.3
29	8.3	8.3	8.1	8.0	8.3	8.2	8.4	8.3	8.4	8.3	8.5	8.3
30	8.3	8.2	8.0	8.0	8.3	8.2	8.4	8.3	---	---	8.4	8.3
31	8.3	8.1	---	---	8.3	8.2	8.3	8.3	---	---	8.4	8.3
MONTH	8.4	8.1	8.3	7.9	8.4	8.0	8.4	8.2	8.5	8.2	8.5	8.2

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10345490 GRAY CREEK NEAR FLORISTON, CA—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.4	8.3	8.5	8.2	8.3	8.1	8.3	8.2	8.5	8.3	8.6	8.4
2	8.5	8.3	8.4	8.1	8.3	8.0	8.3	8.2	8.5	8.3	8.6	8.4
3	8.4	8.3	8.4	8.1	8.2	8.0	8.4	8.2	8.5	8.3	8.6	8.4
4	8.4	8.3	8.4	8.1	8.3	8.0	8.4	8.2	8.5	8.3	8.6	8.4
5	8.4	8.3	8.3	8.1	8.2	8.0	8.4	8.2	8.5	8.3	8.6	8.4
6	8.5	8.2	8.3	8.1	8.3	8.1	8.4	8.2	8.5	8.3	8.6	8.4
7	8.5	8.3	8.3	8.1	8.2	8.1	8.4	8.2	8.5	8.3	8.6	8.4
8	8.5	8.3	8.3	8.1	8.2	8.1	8.4	8.2	8.6	8.3	8.6	8.4
9	8.5	8.3	8.3	8.1	8.2	8.1	8.4	8.2	8.5	8.3	8.6	8.4
10	8.5	8.3	8.3	8.1	8.3	8.1	8.4	8.2	8.6	8.3	8.6	8.4
11	8.5	8.3	8.3	8.2	8.3	8.1	8.4	8.2	8.6	8.3	8.6	8.4
12	8.5	8.3	8.4	8.2	8.3	8.1	8.4	8.2	8.6	8.3	8.6	8.4
13	8.5	8.3	8.4	8.2	8.3	8.1	8.5	8.3	8.5	8.3	8.6	8.4
14	8.5	8.3	8.4	8.2	8.3	8.1	8.5	8.3	8.6	8.3	8.6	8.4
15	8.5	8.3	8.3	8.2	8.3	8.1	8.5	8.3	8.5	8.4	8.6	8.4
16	8.5	8.3	8.4	8.1	8.3	8.1	8.5	8.3	8.5	8.4	8.6	8.4
17	8.5	8.3	8.4	8.1	8.3	8.1	8.5	8.3	8.5	8.3	8.6	8.4
18	8.5	8.4	8.4	8.2	8.3	8.1	8.5	8.3	8.6	8.4	8.5	8.4
19	8.6	8.4	8.4	8.2	8.3	8.1	8.5	8.3	8.6	8.4	8.5	8.4
20	8.6	8.4	8.3	8.2	8.3	8.1	8.5	8.3	8.6	8.3	8.5	8.4
21	8.6	8.4	8.3	8.2	8.3	8.1	8.5	8.3	8.5	8.4	8.5	8.3
22	8.6	8.4	8.4	8.2	8.3	8.1	8.5	8.3	8.5	8.4	8.5	8.3
23	8.6	8.3	8.4	8.2	8.3	8.1	8.5	8.3	8.6	8.4	8.5	8.4
24	8.6	8.3	8.4	8.1	8.3	8.1	8.5	8.3	8.6	8.4	8.5	8.4
25	8.6	8.3	8.4	8.2	8.3	8.1	8.5	8.3	8.6	8.4	8.6	8.4
26	8.6	8.2	8.4	8.1	8.3	8.1	8.5	8.3	8.6	8.4	8.6	8.4
27	8.4	8.2	8.4	8.1	8.3	8.1	8.5	8.3	8.6	8.4	8.5	8.4
28	8.4	8.2	8.3	8.1	8.3	8.2	8.5	8.3	8.6	8.4	8.6	8.4
29	8.4	8.2	8.3	8.1	8.3	8.2	8.5	8.3	8.6	8.4	8.6	8.4
30	8.4	8.2	8.3	8.1	8.3	8.2	8.5	8.3	8.6	8.4	8.6	8.4
31	---	---	8.3	8.1	---	---	8.5	8.3	8.6	8.4	---	---
MONTH	8.6	8.2	8.5	8.1	8.3	8.0	8.5	8.2	8.6	8.3	8.6	8.3

SPECIFIC CONDUCTANCE, MICROSIEMENS/CM AT 25 DEG. C, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	153	152	155	145	146	130	172	111	167	161	169	166
2	153	150	163	149	130	127	172	157	165	158	200	167
3	153	151	159	154	127	125	166	159	162	159	201	175
4	153	151	174	149	126	123	171	166	164	154	182	178
5	153	151	152	147	---	---	172	171	171	143	183	180
6	154	153	164	147	---	---	171	167	174	141	183	180
7	---	---	155	143	---	---	172	169	171	159	187	182
8	---	---	144	138	---	---	171	160	173	153	190	182
9	---	---	174	139	---	---	166	164	166	159	189	179
10	---	---	185	149	---	---	168	165	174	160	186	175
11	---	---	157	142	---	---	167	165	173	165	175	142
12	---	---	160	139	---	---	168	166	179	168	152	142
13	---	---	153	125	---	---	170	168	181	172	150	143
14	---	---	154	123	---	---	170	169	182	170	145	139
15	---	---	153	130	157	148	173	165	173	167	164	138
16	---	---	155	132	155	146	172	147	174	137	189	141
17	---	---	154	141	155	150	176	169	156	137	182	160
18	---	---	156	135	156	150	171	163	159	152	197	178
19	---	---	156	140	157	144	168	162	163	158	201	190
20	---	---	157	137	145	139	167	164	171	156	203	185
21	---	---	158	149	146	143	169	158	165	162	198	183
22	---	---	175	157	150	142	165	159	166	163	192	180
23	---	---	175	157	148	146	165	158	169	163	185	174
24	---	---	158	149	154	135	163	149	170	167	181	174
25	---	---	159	154	155	152	162	134	175	151	182	178
26	166	163	163	158	159	139	155	134	223	175	187	181
27	166	161	169	157	170	159	155	152	203	190	188	177
28	168	164	165	159	170	160	156	153	198	161	187	185
29	167	156	164	159	160	158	156	155	195	155	190	185
30	162	151	163	146	161	157	157	155	---	---	190	185
31	159	146	---	---	160	158	164	157	---	---	193	187
MONTH	---	---	185	123	---	---	176	111	223	137	203	138

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10345490 GRAY CREEK NEAR FLORISTON, CA—Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS/CM AT 25 DEG. C, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	192	183	129	116	91	83	108	99	129	115	141	136
2	184	172	123	110	91	81	106	102	131	117	141	134
3	175	170	118	96	89	81	111	103	124	117	135	130
4	171	164	110	89	90	82	113	105	124	116	140	123
5	166	162	108	90	90	82	114	106	133	117	133	129
6	172	165	107	94	90	83	117	108	132	116	130	124
7	174	159	108	97	88	83	117	110	129	120	144	116
8	159	149	109	97	89	84	119	113	127	117	144	133
9	156	144	111	99	91	88	123	116	137	125	144	132
10	149	140	111	101	92	89	120	113	137	130	144	139
11	147	137	117	110	94	89	121	115	137	132	145	134
12	144	136	124	116	96	89	122	115	138	128	145	141
13	141	136	127	113	96	89	127	115	137	127	147	142
14	143	138	124	110	96	89	124	119	140	132	146	143
15	142	138	120	108	97	90	129	119	140	131	145	143
16	146	142	114	100	97	91	126	119	139	131	146	143
17	147	143	107	97	94	91	129	120	140	129	145	137
18	147	145	106	98	97	92	134	119	140	134	145	143
19	150	147	105	97	99	92	131	125	141	133	145	141
20	155	149	104	96	98	92	134	123	142	136	143	138
21	151	150	101	96	97	93	132	121	142	132	144	138
22	153	150	102	89	100	93	124	112	142	128	144	140
23	153	146	97	88	99	94	124	114	142	130	145	143
24	151	137	96	88	98	93	125	116	143	133	145	138
25	147	130	95	90	98	94	127	117	143	133	147	136
26	137	118	97	89	98	94	128	117	143	129	147	146
27	133	118	95	84	98	95	127	114	143	125	147	146
28	129	120	90	84	99	96	127	118	144	128	148	146
29	130	120	95	87	100	98	128	114	144	126	148	146
30	132	119	95	84	110	98	129	113	145	127	148	144
31	---	---	93	83	---	---	121	111	144	131	---	---
MONTH	192	118	129	83	110	81	134	99	145	115	148	116

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10345490 GRAY CREEK NEAR FLORISTON, CA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/-2.5 DEGREES, FNU
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	12	4.1	6.0	46	3.7	9.6	13	5.9	8.5	33	7.5	12
2	19	4.1	6.3	96	3.8	15	9.5	4.8	6.5	39	8.4	16
3	10	4.2	5.8	20	4.7	8.7	7.5	4.0	5.2	8.7	2.3	5.2
4	14	3.4	5.6	120	3.2	15	15	3.6	6.6	5.9	2.5	3.2
5	9.4	2.8	5.2	25	6.2	9.6	40	9.3	15	9.2	2.2	3.1
6	18	3.7	5.2	43	3.3	8.6	130	10	26	16	3.0	7.8
7	14	3.9	5.3	16	4.6	6.6	69	6.9	12	110	14	23
8	13	3.2	5.1	30	4.0	6.5	23	3.9	7.9	40	14	21
9	11	3.2	5.2	28	5.7	8.7	56	3.7	11	26	9.9	13
10	12	3.4	5.0	24	4.6	8.3	63	7.5	15	22	8.1	11
11	13	3.2	4.3	58	4.2	10	45	4.7	9.8	18	7.0	9.4
12	10	2.9	4.2	23	3.2	7.3	80	3.6	11	18	6.3	9.0
13	14	2.6	4.2	18	4.6	5.9	15	6.1	8.3	13	5.1	8.1
14	9.4	2.3	4.1	12	4.0	5.7	25	6.2	10	18	6.0	8.3
15	16	2.8	4.1	12	3.7	5.1	13	3.3	4.6	15	5.3	7.8
16	9.3	3.0	4.3	9.8	3.4	4.6	18	3.0	5.4	41	5.8	8.6
17	9.5	2.0	4.2	9.8	3.2	4.7	23	2.7	4.2	49	3.7	6.8
18	13	3.0	4.4	8.8	3.3	4.5	43	3.1	6.7	18	4.9	7.2
19	11	3.1	4.4	17	3.4	4.5	90	8.3	11	14	4.7	6.3
20	9.5	2.9	4.0	17	3.6	5.0	28	9.5	16	15	4.2	5.7
21	7.4	1.8	4.0	8.6	3.3	4.6	18	5.9	8.5	100	4.2	6.4
22	17	2.8	4.4	13	3.0	4.2	34	5.0	11	19	2.9	4.5
23	11	2.6	4.2	16	3.3	5.9	20	4.4	7.3	16	2.2	5.3
24	14	2.4	4.2	28	4.1	8.5	140	5.7	19	63	6.4	13
25	20	2.6	3.9	24	3.5	8.0	22	6.0	9.8	24	3.9	7.4
26	15	2.1	3.7	30	3.1	5.9	30	2.9	5.8	95	2.6	9.8
27	17	2.1	3.6	19	2.4	11	25	2.4	3.6	17	6.9	9.4
28	18	2.3	4.0	130	9.5	16	49	2.1	7.8	16	5.1	7.2
29	23	2.4	5.3	23	8.3	13	20	6.5	12	16	4.7	6.3
30	8.8	2.1	4.1	17	6.9	10	210	11	30	15	4.9	6.7
31	32	3.4	12	---	---	---	28	9.9	15	94	4.3	8.1
MAX	32	4.2	12	130	9.5	16	210	11	30	110	14	23
MIN	7.4	1.8	3.6	8.6	2.4	4.2	7.5	2.1	3.6	5.9	2.2	3.1

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10345490 GRAY CREEK NEAR FLORISTON, CA—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/-2.5 DEGREES, FNU
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	89	4.6	7.8	17	4.9	6.8	37	12	17	200	22	41
2	35	5.1	8.0	17	4.5	5.8	28	12	15	960	27	62
3	30	2.6	5.6	35	4.3	7.2	30	11	16	420	56	120
4	19	3.3	5.3	23	4.3	6.5	130	15	32	980	53	120
5	46	2.3	4.5	15	3.5	5.5	75	20	34	390	63	130
6	250	2.1	9.8	25	4.4	6.7	60	23	30	140	49	76
7	54	3.2	6.3	79	7.8	14	49	16	24	100	37	53
8	31	1.7	3.5	160	14	28	68	16	23	80	31	48
9	22	1.5	3.0	190	24	48	56	16	26	87	28	42
10	19	1.7	4.4	120	30	45	44	18	28	110	24	32
11	17	1.7	4.7	46	20	29	45	15	23	38	19	25
12	16	1.9	4.6	56	17	29	66	16	24	120	17	23
13	48	1.8	7.9	84	21	33	34	16	23	82	17	25
14	360	4.1	13	140	22	40	26	13	17	68	15	24
15	22	4.8	8.2	140	30	57	22	11	14	74	17	25
16	430	6.8	19	96	34	54	20	9.8	12	73	14	23
17	170	18	33	270	29	49	17	8.4	11	51	17	27
18	58	11	18	230	30	53	17	7.3	10	33	15	21
19	38	8.9	14	210	38	63	17	6.3	9.3	35	14	19
20	52	6.6	10	260	34	56	23	6.5	9.3	36	14	21
21	22	5.7	8.0	420	48	93	15	6.2	8.3	54	13	19
22	19	4.4	7.1	670	60	100	17	3.5	7.7	37	13	20
23	15	4.8	6.4	270	56	81	28	4.0	8.4	42	12	19
24	27	3.7	5.9	75	31	43	66	5.6	11	38	12	22
25	240	3.9	39	55	24	31	89	6.5	19	31	12	17
26	61	9.7	22	42	18	24	190	11	27	42	12	16
27	95	5.9	12	110	15	20	330	21	51	160	15	27
28	23	6.7	9.0	39	12	18	170	31	55	100	28	40
29	23	4.9	8.0	46	11	17	52	22	30	60	20	29
30	---	---	---	41	13	22	100	16	25	91	19	31
31	---	---	---	55	15	22	---	---	---	110	23	37
MAX	430	18	39	670	60	100	330	31	55	980	63	130
MIN	15	1.5	3.0	15	3.5	5.5	15	3.5	7.7	31	12	16
DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	120	25	43	39	5.2	11	12	2.6	4.5	8.9	2.0	2.9
2	120	28	52	26	7.5	10	14	2.7	4.3	18	1.5	2.9
3	83	30	46	17	6.6	9.3	20	2.2	3.9	15	1.7	2.7
4	84	30	47	25	6.1	9.1	25	2.5	4.2	13	1.4	2.6
5	68	27	42	18	6.7	8.6	17	2.7	4.0	6.6	1.5	2.6
6	87	25	37	32	5.5	8.5	11	2.4	4.0	8.6	1.3	2.5
7	61	27	37	19	5.8	8.3	19	2.3	4.0	5.3	1.4	2.4
8	43	22	27	25	5.4	7.6	19	2.7	4.1	9.3	1.4	2.4
9	45	20	24	16	5.1	7.2	19	2.7	4.1	14	1.4	2.6
10	31	17	21	15	4.1	6.3	16	2.4	4.4	19	1.5	2.7
11	32	12	19	13	4.1	6.2	9.2	2.6	4.0	23	1.7	2.8
12	31	14	19	12	4.3	6.2	25	1.9	4.0	9.8	1.4	2.7
13	40	13	18	13	4.2	6.5	14	2.7	3.9	14	1.5	2.4
14	93	13	19	34	3.6	6.0	14	1.8	3.9	11	1.3	2.7
15	52	13	19	14	3.8	5.8	10	2.6	4.5	12	1.4	3.1
16	52	13	21	19	4.0	5.8	22	2.1	3.7	20	2.1	3.2
17	40	13	21	31	3.9	5.8	16	1.3	3.6	13	2.2	3.2
18	91	13	18	22	3.3	5.4	14	2.2	3.4	12	1.9	3.0
19	88	13	19	15	3.5	5.5	12	2.2	3.6	14	1.8	2.8
20	67	13	18	25	3.4	4.8	16	2.4	3.5	14	1.5	3.2
21	36	12	18	45	2.7	5.5	12	2.0	3.3	12	1.4	2.6
22	86	13	17	22	3.8	5.7	14	2.3	3.4	15	1.1	2.3
23	50	11	16	27	3.0	5.2	48	1.9	3.1	8.0	1.5	2.3
24	37	12	14	31	3.6	6.1	11	1.9	3.2	8.4	1.5	2.4
25	29	10	14	50	3.2	5.6	14	1.8	3.3	14	1.5	2.4
26	43	10	16	15	2.8	5.2	19	1.7	3.0	7.9	1.2	2.3
27	40	7.2	15	15	2.9	4.9	18	1.5	3.2	14	1.3	2.2
28	69	6.8	12	16	3.1	4.8	18	1.8	3.0	24	1.4	2.3
29	66	7.9	14	14	2.8	4.8	15	1.8	3.0	25	1.1	2.5
30	95	6.3	12	19	2.0	4.3	20	1.3	3.1	13	1.2	2.6
31	---	---	---	20	2.7	4.7	25	1.9	3.0	---	---	---
MAX	120	30	52	50	7.5	11	48	2.7	4.5	25	2.2	3.2
MIN	29	6.3	12	12	2.0	4.3	9.2	1.3	3.0	5.3	1.1	2.2

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10345490 GRAY CREEK NEAR FLORISTON, CA—Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
07...	1310	9.5	11.5	23	.59
NOV					
12...	1340	9.5	3.0	48	1.2
DEC					
19...	1030	8.0	1.0	40	.86
JAN					
15...	1300	8.5	2.5	24	.55
FEB					
05...	1410	18	.0	148	7.2
MAR					
04...	1350	10	5.5	26	.70
APR					
06...	1420	27	9.5	86	6.3
MAY					
03...	1450	41	13.5	198	22
JUN					
07...	1310	42	11.5	72	8.2
30...	1545	20	13.5	20	1.1
JUL					
21...	1350	14	18.5	9	.34
AUG					
31...	1445	9.0	18.0	4	.10

CROSS-SECTIONAL DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Depth at sample location, feet (81903)	Sampling depth, feet (00003)	Turbidity, IR LED light, det ang, 90 deg, FNU (63680)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unft uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Location in X-sect. looking downstrm ft from l bank (00009)
AUG								
31...*	1425	.60	.30	4.9	8.4	137	18.0	9.00
31...*	1426	.40	.30	5.6	8.4	137	18.0	8.00
31...*	1427	.60	.30	6.4	8.4	137	18.0	7.00
31...*	1428	.55	.30	13	8.4	137	18.0	6.00
31...*	1429	.65	.30	11	8.4	137	18.0	5.00
31...*	1430	.64	.30	5.3	8.4	137	18.0	4.00
31...*	1431	.70	.30	1.8	8.4	137	18.0	3.00
31...*	1432	.80	.30	1.6	8.4	137	18.0	2.00
31...*	1433	.85	.30	1.5	8.4	137	18.0	1.00
31...*	1434	.71	.30	4.0	8.4	137	18.0	.00

* Instantaneous discharge at the time of cross-sectional measurements: Aug. 31, 9.5 ft³/s.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10346000 TRUCKEE RIVER AT FARAD, CA

LOCATION.—Lat 39°25'41", long 120°01'59", in SE ¼ NE ¼ 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, and 3.5 mi upstream from California–Nevada State line.

DRAINAGE AREA.—932 mi².

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 Aug. 26, 1957.

REMARKS.—Records fair. 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 Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 17,500 ft³/s, Nov. 21, 1950, gage height, 14.5 ft, present datum, from floodmarks, from slope-area measurement of peak flow; minimum, 37 ft³/s, Sept. 15, 1933.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	466	376	220	341	234	362	734	753	893	557	557	505
2	452	358	227	336	241	356	709	797	903	553	559	501
3	450	389	292	354	245	342	722	870	878	549	551	503
4	446	439	264	330	243	344	765	923	788	551	555	504
5	440	487	211	302	232	351	824	961	719	550	555	495
6	439	466	210	310	234	355	848	921	708	555	549	499
7	445	449	440	313	237	372	789	975	706	557	544	506
8	437	433	285	315	229	384	806	993	637	555	538	493
9	437	429	342	329	233	412	807	984	620	552	542	501
10	437	414	337	335	237	476	779	968	593	544	541	505
11	440	399	327	332	228	534	760	927	586	549	520	499
12	439	387	304	308	228	550	765	905	581	553	521	493
13	445	381	272	280	226	572	787	890	579	558	518	494
14	440	390	230	261	226	595	742	896	601	555	518	499
15	424	387	214	261	223	658	697	884	584	554	522	512
16	405	380	218	260	242	728	690	859	550	559	523	609
17	402	372	214	257	482	779	669	851	548	560	516	644
18	399	367	210	257	444	810	631	849	542	557	504	630
19	395	363	230	254	421	854	649	815	531	559	501	628
20	399	365	235	255	412	875	692	852	544	562	498	620
21	400	361	250	259	389	922	715	894	571	564	494	600
22	399	348	243	245	376	997	740	901	566	559	493	566
23	398	343	239	244	368	1080	734	919	561	560	495	381
24	395	353	279	250	360	1050	745	870	556	564	502	214
25	389	347	353	243	411	987	775	793	548	558	492	178
26	393	342	298	236	492	889	822	750	542	556	491	167
27	389	335	261	241	452	779	871	822	543	556	501	158
28	388	334	261	243	402	755	897	991	566	560	504	146
29	386	311	282	239	374	763	824	869	568	553	500	134
30	395	254	315	240	---	801	735	849	556	548	496	126
31	438	---	350	237	---	760	---	867	---	553	498	---
TOTAL	13007	11359	8413	8667	9121	20492	22723	27398	18668	17220	16098	13310
MEAN	420	379	271	280	315	661	757	884	622	555	519	444
MAX	466	487	440	354	492	1080	897	993	903	564	559	644
MIN	386	254	210	236	223	342	631	750	531	544	491	126
AC-FT	25800	22530	16690	17190	18090	40650	45070	54340	37030	34160	31930	26400

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10346000 TRUCKEE RIVER AT FARAD, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	387	420	528	592	654	798	1262	1706	1254	658	513	469
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1909 - 2004	
ANNUAL TOTAL	194505		186476			
ANNUAL MEAN	533		509		764	
HIGHEST ANNUAL MEAN					2443	
LOWEST ANNUAL MEAN					184	
HIGHEST DAILY MEAN	1400	May 30	1080	Mar 23	13400	Dec 23 1955
LOWEST DAILY MEAN	210	Dec 6	126	Sep 30	37	Sep 15 1933
ANNUAL SEVEN-DAY MINIMUM	222	Dec 14	160	Sep 24	40	Sep 9 1933
MAXIMUM PEAK FLOW			1120	Mar 23	17500	Nov 21 1950
MAXIMUM PEAK STAGE			4.68	Mar 23	14.50	Nov 21 1950
ANNUAL RUNOFF (AC-FT)	385800		369900		553200	
10 PERCENT EXCEEDS	869		850		1660	
50 PERCENT EXCEEDS	504		499		505	
90 PERCENT EXCEEDS	292		241		209	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10346000 TRUCKEE RIVER AT FARAD, CA—Continued

PRECIPITATION RECORDS

PERIOD OF RECORD.— April 1999 to current year.

INSTRUMENTATION.—Recording-weighting gage.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily precipitation, 2.03 in., Dec. 16, 2002; no precipitation for many days in each year.

EXTREMES FOR CURRENT YEAR.—Maximum daily precipitation, 1.64 in., Dec. 6; no precipitation for many days.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.03	0.37	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.04	0.25	0.25	0.10	0.00	0.00	0.09	0.00	0.00	0.00
3	0.00	0.00	0.06	0.04	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.03	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	1.64	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.23	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.25	0.00	0.03	0.00	0.00	0.00	0.00	0.27	0.04	0.00	0.00
10	0.00	0.04	0.67	0.00	0.00	0.00	0.00	0.07	0.05	0.00	0.00	0.00
11	0.00	0.00	0.08	0.00	0.03	0.00	0.00	0.39	0.03	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.08	0.00	0.00	0.00
13	0.00	0.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.08	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
16	0.00	0.08	0.03	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.06	0.00	0.00
19	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.06	0.10	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.06	0.03	0.06	0.00	0.04	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.04	0.00	0.00	0.00	0.00
23	0.00	0.00	0.03	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	1.21	0.04	0.08	0.00	0.00	0.00	0.00	0.28	0.00	0.00
25	0.00	0.00	0.10	0.00	1.35	0.42	0.00	0.05	0.00	0.00	0.14	0.00
26	0.00	0.00	0.12	0.00	0.69	0.00	0.00	0.00	0.00	0.14	0.00	0.00
27	0.00	0.00	0.00	0.03	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.07	0.03	0.07	0.00	0.00	0.03	0.00	0.00	0.00	0.00
29	0.00	0.00	0.54	0.04	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.17	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	0.00	0.53	5.80	1.02	4.10	0.65	0.13	0.61	0.52	0.52	0.17	0.00

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10347310 DOG CREEK AT VERDI, NV

LOCATION.--Lat 39°31'28", long 119°59'40" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec. 07, T.19 N., R.18 E., Washoe County, Hydrologic Unit 16050102, On the right bank, and 500 feet above confluence with the Truckee River.

DRAINAGE AREA.--24.2 mi².

PERIOD OF RECORD.--November 1992 to September 1998; April 10 to September 2004

GAGE.--Water-stage recorder. Elevation of gage is 4,900 ft above National Geodetic Vertical Datum of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,500 ft³/s, January 1, 1997, gage height, 8.82 ft; minimum daily, 0.30 ft³/s, June 30, July 1, 2, 14, 15, 18.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 40 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
April 9	1415	*5.7	*4.44				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e1.9	0.59	0.45	0.38	0.44
2	---	---	---	---	---	---	---	e1.8	0.57	0.43	0.39	0.45
3	---	---	---	---	---	---	---	e1.7	0.54	0.43	0.41	0.48
4	---	---	---	---	---	---	---	e1.5	0.52	0.41	0.41	0.49
5	---	---	---	---	---	---	---	e1.4	0.49	0.40	0.41	0.48
6	---	---	---	---	---	---	---	1.4	0.49	0.38	0.41	0.46
7	---	---	---	---	---	---	---	1.5	0.48	0.37	0.41	0.46
8	---	---	---	---	---	---	---	1.7	0.56	0.38	0.40	0.46
9	---	---	---	---	---	---	---	e1.5	0.65	0.38	0.40	0.46
10	---	---	---	---	---	---	4.8	e1.4	0.61	0.38	0.39	0.46
11	---	---	---	---	---	---	e4.2	e1.3	0.55	0.38	0.39	0.46
12	---	---	---	---	---	---	e4.1	e1.3	0.52	0.37	0.41	0.46
13	---	---	---	---	---	---	e3.9	e1.4	0.47	0.37	0.46	0.47
14	---	---	---	---	---	---	e3.8	e1.3	0.45	0.37	0.49	0.50
15	---	---	---	---	---	---	e3.6	e1.2	0.42	0.36	0.47	0.50
16	---	---	---	---	---	---	e3.5	e1.1	0.42	0.37	0.50	0.49
17	---	---	---	---	---	---	e3.4	e1.0	0.48	0.37	0.46	0.49
18	---	---	---	---	---	---	e3.2	e1.0	0.51	0.38	0.44	0.50
19	---	---	---	---	---	---	e3.1	e0.90	0.46	0.39	0.48	0.52
20	---	---	---	---	---	---	e3.0	e0.90	0.45	0.39	0.53	0.57
21	---	---	---	---	---	---	3.0	e0.80	0.44	0.39	0.48	0.56
22	---	---	---	---	---	---	3.0	0.96	0.43	0.39	0.47	0.55
23	---	---	---	---	---	---	3.0	0.82	0.42	0.39	0.48	0.52
24	---	---	---	---	---	---	3.0	0.74	0.41	0.40	0.47	0.54
25	---	---	---	---	---	---	2.6	0.75	0.40	0.41	0.46	0.54
26	---	---	---	---	---	---	e2.6	0.71	0.40	0.40	0.49	0.55
27	---	---	---	---	---	---	e2.5	0.69	0.42	0.39	0.49	0.54
28	---	---	---	---	---	---	e2.3	0.72	0.43	0.38	0.48	0.55
29	---	---	---	---	---	---	e2.2	0.74	0.44	0.37	0.46	0.56
30	---	---	---	---	---	---	e2.1	0.70	0.46	0.38	0.46	0.58
31	---	---	---	---	---	---	---	0.63	---	0.38	0.45	---
TOTAL	---	---	---	---	---	---	---	35.46	14.48	12.04	13.83	15.09
MEAN	---	---	---	---	---	---	---	1.14	0.48	0.39	0.45	0.50
MAX	---	---	---	---	---	---	---	1.9	0.65	0.45	0.53	0.58
MIN	---	---	---	---	---	---	---	0.63	0.40	0.36	0.38	0.44
AC-FT	---	---	---	---	---	---	---	70	29	24	27	30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	1.16	1.64	7.90	20.9	19.5	55.1	34.6	14.1	4.61	1.31	0.65	0.79
MAX	1.41	2.18	37.8	90.6	59.1	98.0	63.6	40.5	12.9	2.49	0.93	1.19
(WY)	(1997)	(1997)	(1997)	(1997)	(1996)	(1993)	(1993)	(1995)	(1995)	(1995)	(1996)	(1998)
MIN	0.78	1.24	1.22	1.27	1.78	2.21	1.36	1.14	0.48	0.35	0.44	0.50
(WY)	(1995)	(1995)	(1994)	(1994)	(1994)	(1994)	(1994)	(2004)	(2004)	(1994)	(1994)	(2004)

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10347310 DOG CREEK AT VERDI, NV—Continued

SUMMARY STATISTICS

WATER YEARS 1993 - 2004

ANNUAL MEAN	13.2	
HIGHEST ANNUAL MEAN	19.6	1995
LOWEST ANNUAL MEAN	1.14	1994
HIGHEST DAILY MEAN	1,200	Jan 1, 1997
LOWEST DAILY MEAN	0.30	Jun 30, 1994
ANNUAL SEVEN-DAY MINIMUM	0.31	Jun 27, 1994
MAXIMUM PEAK FLOW	2,500	Jan 1, 1997
MAXIMUM PEAK STAGE	8.82	Jan 1, 1997
ANNUAL RUNOFF (AC-FT)	9,560	
10 PERCENT EXCEEDS	36	
50 PERCENT EXCEEDS	1.8	
90 PERCENT EXCEEDS	0.70	

e Estimated

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10347460 TRUCKEE RIVER NEAR MOGUL, NV

LOCATION.--Lat 39°30'26", long 119°55'51" referenced to North American Datum of 1927, in SW ¼ SW ¼ 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. mi².

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 National Geodetic Vertical Datum 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 Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,500 ft³/s, January 2, 1997, gage height, 15.85 ft; minimum daily, 2.4 ft³/s, October 30, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,190 ft³/s, March 24, gage height, 7.10 ft; minimum daily discharge, 69 ft³/s, September 29.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	401	319	198	305	262	386	752	630	814	432	422	370
2	366	275	199	279	268	390	723	668	825	424	430	371
3	365	305	252	305	272	370	733	746	795	417	420	371
4	362	345	242	311	272	367	774	797	709	415	419	375
5	354	419	172	313	263	376	818	857	631	419	422	359
6	352	400	153	332	261	387	837	815	616	422	413	357
7	353	381	393	305	269	405	758	859	621	426	412	363
8	347	364	255	298	261	426	752	884	548	423	409	358
9	346	360	302	333	262	452	748	882	528	424	410	363
10	341	351	304	340	264	512	721	862	502	409	414	367
11	350	330	293	339	258	583	698	819	484	419	396	385
12	344	322	275	327	252	597	701	816	477	415	395	422
13	350	313	251	298	260	619	723	817	474	422	395	419
14	350	322	221	281	257	647	696	823	488	422	398	395
15	338	324	194	283	252	704	705	808	490	420	400	358
16	313	318	196	279	278	782	694	786	443	418	403	434
17	308	314	194	279	495	823	673	770	441	422	395	493
18	308	311	188	278	495	838	635	780	436	417	380	483
19	308	307	203	277	447	907	612	773	418	417	375	482
20	306	308	209	276	430	933	632	762	421	417	381	475
21	311	306	221	283	408	972	644	810	449	423	371	456
22	305	291	219	272	393	1,050	681	818	448	415	364	434
23	311	290	214	269	384	1,140	674	839	444	418	360	319
24	306	303	252	277	376	1,120	681	832	437	425	373	169
25	298	299	323	268	446	1,040	714	726	433	423	360	122
26	304	295	276	261	561	935	756	668	426	420	358	105
27	300	289	232	268	492	806	762	721	426	416	366	96
28	298	291	249	269	438	777	775	913	441	427	375	82
29	295	281	259	266	405	779	716	803	455	418	367	69
30	296	230	263	265	---	819	614	770	421	412	362	74
31	348	---	302	265	---	786	---	784	---	420	362	---
TOTAL	10,234	9,563	7,504	9,001	9,981	21,728	21,402	24,638	15,541	13,017	12,107	9,926
MEAN	330	319	242	290	344	701	713	795	518	420	391	331
MAX	401	419	393	340	561	1,140	837	913	825	432	430	493
MIN	295	230	153	261	252	367	612	630	418	409	358	69
AC-FT	20,300	18,970	14,880	17,850	19,800	43,100	42,450	48,870	30,830	25,820	24,010	19,690

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	330	319	539	1,008	848	1,012	1,103	1,517	1,180	645	436	388
MAX	565	487	2,124	6,233	3,291	2,313	1,961	2,939	2,934	1,537	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)

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10347460 TRUCKEE RIVER NEAR MOGUL, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	173,861		164,642		780	
ANNUAL MEAN	476		450		297	1994
HIGHEST ANNUAL MEAN					1,707	1997
LOWEST ANNUAL MEAN					297	1994
HIGHEST DAILY MEAN	1,340	May 30	1,140	Mar 23	15,200	Jan 2, 1997
LOWEST DAILY MEAN	153	Dec 6	69	Sep 29	2.4	Oct 30, 1994
ANNUAL SEVEN-DAY MINIMUM	201	Dec 14	102	Sep 24	3.3	Oct 29, 1994
MAXIMUM PEAK FLOW			1,190	Mar 24	17,500	Jan 2, 1997
MAXIMUM PEAK STAGE			7.10	Mar 24	15.85	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	344,900		326,600		565,400	
10 PERCENT EXCEEDS	819		786		1,830	
50 PERCENT EXCEEDS	380		396		480	
90 PERCENT EXCEEDS	286		261		170	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10347460 TRUCKEE RIVER NEAR MOGUL, NV—Continued

PERIOD OF RECORD.--October 1998 to March 2003, June 2003 to current year.

INSTRUMENTATION.--Recording-weighting 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, 1.03 in., December 6; no precipitation most days.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.06	0.04	0.26	0.00	>0.09	0.00	0.00	0.00	0.00	0.00	0.00
2	0.04	0.00	0.00	0.00	0.12	>0.04	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.05	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	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	0.00
6	0.00	0.00	1.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	>0.06	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.01	>0.03	0.01	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
9	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00
10	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.08	0.01	0.00	0.00	0.00
11	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00
12	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
14	0.00	0.04	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.01	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.10	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
20	0.00	0.00	0.23	0.09	0.00	0.00	0.01	0.00	0.00	0.00	0.06	0.06
21	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.91	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.83	0.21	0.00	0.00	0.00	0.21	0.00	0.00
26	0.00	0.00	0.02	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.01	0.03	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	---	0.00	0.00	---
TOTAL	0.04	0.22	3.64	0.50	1.69	0.34	0.01	0.14	0.29	0.21	0.11	0.06

WTR YR 2004 TOTAL 7.25

> Actual value is known to be greater than the value shown

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10347600 HUNTER CREEK NEAR RENO, NV

LOCATION (REVISED)--Lat 39°29'27.3", long 119°53'58.77" referenced to North American Datum of 1983, in SW ¼ SW ¼ sec. 14, T.19 N., R.19 E., Washoe County, Hydrologic Unit 16050102, on left bank, 0.6 mi upstream from mouth, and 5 mi southwest of Reno.

DRAINAGE AREA.--11.5 mi².

PERIOD OF RECORD.--October 1961 to September 1971, October 1977 to September 1981, October 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,000 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 2002, at site 300 ft upstream at different datum.

REMARKS.--Records fair. Present gage location is downstream of Streamboat Ditch and diversion to Hunter Creek Reservoir. [See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 986 ft³/s, January 31, 1963, gage height, 6.93 ft, from floodmarks, from rating curve extended above 54 ft³/s, on basis of slope area measurement of peak flow; minimum daily, 1.5 ft³/s, March 4, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 94 ft³/s, April 27, gage height, 9.31 ft; minimum daily discharge, 1.5 ft³/s, March 4.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	2.8	2.8	3.4	2.3	1.7	5.6	7.9	6.1	3.8	2.9	3.0
2	5.8	2.6	2.7	3.6	2.0	1.8	4.8	9.6	5.9	4.0	2.8	3.0
3	4.7	3.5	2.6	e5.0	2.0	1.6	4.9	7.2	5.7	3.8	3.0	3.1
4	3.1	2.9	2.5	e5.0	2.0	1.5	5.5	7.9	5.8	3.4	3.0	3.2
5	2.9	3.9	3.4	4.4	e3.0	1.7	6.1	8.2	5.5	3.2	3.0	3.2
6	2.8	3.6	4.9	4.8	e3.0	2.7	6.1	8.4	5.3	3.2	3.0	3.1
7	2.7	3.9	5.3	3.6	2.1	2.3	5.9	8.6	5.3	3.3	2.9	3.0
8	2.5	3.9	3.6	3.3	e3.0	2.9	6.2	8.8	5.4	3.3	2.8	2.9
9	2.4	4.0	4.0	3.0	2.5	3.2	6.6	9.2	6.1	3.3	2.8	2.9
10	2.6	3.8	4.6	2.8	e3.0	3.1	6.8	9.4	5.8	3.3	2.8	2.9
11	2.6	3.4	4.3	2.8	e3.0	2.5	6.8	9.7	5.2	3.2	3.0	2.9
12	2.6	3.7	4.3	2.7	e3.0	2.5	7.2	9.3	5.0	3.2	3.3	2.9
13	2.7	3.6	4.7	2.6	e3.0	2.3	7.4	8.8	4.9	3.2	3.5	2.8
14	2.7	3.4	4.5	2.5	2.1	3.1	6.7	8.9	4.8	3.1	3.6	2.9
15	2.6	3.4	2.8	2.6	2.2	3.5	6.3	8.5	4.7	3.0	3.7	2.9
16	2.8	3.1	4.4	2.6	4.4	3.3	6.1	8.5	4.7	2.9	3.9	2.6
17	2.6	3.2	4.7	2.6	4.4	4.2	6.0	8.1	4.9	2.9	3.7	2.5
18	2.2	3.1	4.2	2.7	3.4	5.4	5.5	8.0	4.7	3.0	3.4	2.6
19	2.3	3.2	4.2	2.6	2.8	5.5	5.3	8.2	4.3	3.0	3.2	2.8
20	2.3	3.3	4.4	2.8	2.4	5.5	5.1	8.1	4.1	3.0	3.3	3.2
21	2.3	3.2	4.3	2.3	2.3	6.3	5.0	8.1	4.1	3.0	3.2	3.1
22	2.2	1.6	4.0	e3.0	2.2	7.0	4.9	7.6	4.0	3.1	3.3	3.0
23	2.2	1.7	4.2	e3.0	2.1	7.2	5.0	7.4	3.8	3.2	3.4	3.0
24	2.2	3.3	6.1	2.2	1.9	6.6	5.7	7.1	3.7	3.3	3.4	3.7
25	2.2	3.9	5.2	1.9	3.4	5.7	6.5	6.8	4.0	3.3	3.2	3.1
26	2.2	2.7	3.0	e3.0	3.5	5.0	7.2	6.5	5.6	3.1	3.3	3.0
27	2.1	3.0	6.4	2.2	2.1	4.6	37	6.7	4.9	2.9	3.3	3.1
28	2.1	2.9	3.7	2.0	1.9	4.4	70	7.1	4.4	2.9	3.2	3.1
29	2.5	3.1	5.3	2.0	1.7	4.8	13	6.7	4.1	2.8	3.1	2.9
30	3.0	2.9	4.4	2.1	---	5.3	4.9	6.3	3.9	2.9	3.1	2.2
31	3.6	---	3.4	1.9	---	6.0	---	e6.3	---	2.9	3.1	---
TOTAL	87.0	96.6	128.9	91.0	76.7	123.2	280.1	247.9	146.7	98.5	99.2	88.6
MEAN	2.81	3.22	4.16	2.94	2.64	3.97	9.34	8.00	4.89	3.18	3.20	2.95
MAX	5.8	4.0	6.4	5.0	4.4	7.2	70	9.7	6.1	4.0	3.9	3.7
MIN	2.1	1.6	2.5	1.9	1.7	1.5	4.8	6.3	3.7	2.8	2.8	2.2
AC-FT	173	192	256	180	152	244	556	492	291	195	197	176

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2004, BY WATER YEAR (WY)

	5.30	5.34	5.47	6.33	6.03	5.86	8.74	19.9	22.9	12.3	6.86	5.61
MEAN	5.30	5.34	5.47	6.33	6.03	5.86	8.74	19.9	22.9	12.3	6.86	5.61
MAX	7.40	7.57	12.1	12.7	14.1	8.68	15.6	43.6	46.7	27.9	11.2	7.96
(WY)	(1968)	(1964)	(1965)	(1963)	(1963)	(1967)	(1965)	(1969)	(1967)	(1967)	(1965)	(1965)
MIN	2.81	3.22	3.07	2.94	2.64	3.53	3.85	8.00	4.89	3.18	2.75	2.41
(WY)	(2004)	(2004)	(1962)	(2004)	(2004)	(2003)	(2003)	(2004)	(2004)	(2004)	(1981)	(1981)

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10347600 HUNTER CREEK NEAR RENO, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1962 - 2004	
ANNUAL TOTAL	1,872.6		1,564.4			
ANNUAL MEAN	5.13		4.27		9.23	
HIGHEST ANNUAL MEAN					14.5	1969
LOWEST ANNUAL MEAN					4.27	2004
HIGHEST DAILY MEAN	30	May 30	70	Apr 28	230	Jan 31, 1963
LOWEST DAILY MEAN	1.6	Nov 22	1.5	Mar 4	1.5	Mar 4, 2004
ANNUAL SEVEN-DAY MINIMUM	2.2	Oct 22	1.7	Feb 28	1.7	Feb 28, 2004
MAXIMUM PEAK FLOW			94	Apr 27		
MAXIMUM PEAK STAGE			9.31	Apr 27		
ANNUAL RUNOFF (AC-FT)	3,710		3,100		6,690	
10 PERCENT EXCEEDS	6.7		6.7		19	
50 PERCENT EXCEEDS	4.0		3.3		6.2	
90 PERCENT EXCEEDS	2.9		2.3		3.8	

e Estimated

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10347699 TRUCKEE RIVER AT CHALK BLUFF TREATMENT PLANT INTAKE NEAR RENO, NV

LOCATION.--Lat 39°30'38", long 119°51'59" referenced to North American Datum of 1927, NW ¼ SE ¼ sec.17, T.19 N., R.19 E., Washoe County, Hydrologic Unit 16050102, at Chalk Bluff Treatment Plant Intake, about 0.4 mi upstream from McCarren Bridge, and about 4.3 mi upstream of U.S. Highway 395.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--December 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,850 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--In December 2002, station incorporated into the National Water-Quality Assessment Program (NAWQA) to monitor water-quality conditions in the Pyramid and Winnemucca Lakes Basin. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	
OCT 15...	1010	Environmental	E332	646	9.9	107	7.2	134	23.0	11.4	42	51	
NOV 05...	1000	Environmental	E434	646	10.5	102	7.7	117	10.0	7.1	41	50	
24...	0930	Environmental	E304	644	11.7	103	7.6	129	--	3.1	46	56	
Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/100 mL (90902)	1,4-Dichlorobenzene, water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	1-Naphthol, water, fltrd, 0.7u GF (49295)	^a 2,4,5-T surrog, water, fltrd, percent recovry (99958)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd, 0.7u GF (38746)	2,6-Diethyl-aniline water, fltrd, 0.7u GF (82660)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-[(2-Et-6-Me-Ph)-amino]propan-1-ol, ug/L (61615)	2Chloro-2,6-diethyl acetanilide, wat flt ug/L (61618)
OCT 15...	1.6	E2	<.5	<.5	<.09	94.1	<.009	<.02	<.02	<.006	<.5	<.1	<.005
NOV 05...	1.8	E14	M	<.5	<.09	80.4	<.009	<.02	<.02	<.006	<.5	<.1	<.005
24...	1.8	E4	<.5	<.5	<.09	93.0	<.009	<.02	<.02	<.006	<.5	<.1	<.005
Date	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	2-Ethyl-6-methylaniline, water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3,4-Dichloroaniline, water, fltrd, ug/L (61625)	3-beta-Coprosatanol, water, fltrd, ug/L (62057)	3-Hydroxy carbofuran, wat flt, 0.7u GF (49308)	3-Ketocarbofuran, water, fltrd, ug/L (50295)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole, wat flt, ug/L (62059)	4Chloro-2methylphenol, water, fltrd, ug/L (61633)	4-Cumylphenol, water, fltrd, ug/L (62060)
OCT 15...	<.006	<.01	<.004	<.008	<.5	<.004	<.2	<.006	<.2	<.1	<.5	<.006	<.1
NOV 05...	<.006	<.04	<.004	<.008	<.5	<.004	<.2	<.006	<.2	<.1	<.5	<.006	<.1
24...	<.006	<.04	<.004	<.008	<.5	<.004	<.2	<.006	<.2	<.1	<.5	<.006	<.1
Date	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt, ug/L (62063)	9,10-Anthraquinone, water, fltrd, ug/L (62066)	Acetochlor, water, fltrd, ug/L (49260)	Acetophenone, water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Acifluorfen, water, fltrd, 0.7u GF (49315)	Alachlor, water, fltrd, ug/L (46342)	Aldicarb sulfone, water, fltrd, 0.7u GF (49313)	Aldicarb sulf-oxide, wat flt, 0.7u GF (49314)	Aldicarb, water, fltrd, 0.7u GF (49312)
OCT 15...	<.1	E1	<.1	<.2	<.5	<.006	<.5	<.5	<.007	<.005	<.02	<.008	<.04
NOV 05...	<.1	<.5	<.1	<.2	<.5	<.006	<.5	M	<.007	<.005	<.02	<.008	<.04
24...	<.1	<.5	<.1	<.2	<.5	<.006	<.5	<.5	<.007	<.005	<.02	<.008	<.04

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10347699 TRUCKEE RIVER AT CHALK BLUFF TREATMENT PLANT INTAKE NEAR RENO, NV--Continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	^a alpha-HCH-d6, surrog, Sch2003 wat flt percent recovery (99995)	Anthracene, water, fltrd, (34221)	Atrazine, water, fltrd, (39632)	Azin-phos-methyl oxon, water, fltrd, (61635)	Azin-phos-methyl, water, fltrd, 0.7u GF (82686)	^a Barban, surrog, Sched. 2060/9060, wat flt pct rcv (90640)	Bendio-carb, water, fltrd, (50299)	Ben-flur-alin, water, fltrd, 0.7u GF (82673)	Benomyl water, fltrd, (50300)	Bensul-furon, water, fltrd, (61693)	Ben-tazon, water, fltrd, 0.7u GF (38711)	Benzo-[a]-pyrene, water, fltrd, (34248)	Benzo-phenone water, fltrd, (62067)
OCT 15...	80.9	<.5	<.007	<.02	<.050	126	<.03	<.010	<.004	<.02	<.01	<.5	<.5
NOV 05...	96.6	<.5	<.007	<.03	<.050	96.6	<.03	<.010	<.004	<.02	<.01	<.5	<.5
NOV 24...	78.3	<.5	<.007	<.02	<.050	81.0	<.03	<.010	<.004	<.02	<.01	<.5	<.5
Date	beta-Sitosterol, water, fltrd, (62068)	beta-Stigmanol, water, fltrd, (62086)	Bisphenol A, water, fltrd, (62069)	^a Bisphenol A-d3 sur Sch 2033 & 8033, wat flt pct rcv (99583)	Bromacil, water, fltrd, (04029)	Brom-oxynil, water, fltrd, 0.7u GF (49311)	Caffeine, water, fltrd, (50305)	^a Caffeine-13C, surrog, wat flt percent recovery (99959)	^a Caffeine-13C sur Sch 2033 & 8033, wat flt pct rcv (99584)	Camphor water, fltrd, (62070)	Carbaryl, water, fltrd, 0.7u GF (49310)	Carbaryl, water, fltrd, 0.7u GF (82680)	Carbazole, water, fltrd, (62071)
OCT 15...	<2	<2	<1	65.2	<.03	<.02	<.5	70.4	104	<.5	<.03	<.041	<.5
NOV 05...	<2	<2	<1	66.7	<.03	<.02	M	78.3	125	<.5	<.03	<.041	<.5
NOV 24...	<2	<2	<1	50.0	<.03	<.02	M	89.4	121	<.5	<.03	<.041	<.5
Date	Carbofuran, water, fltrd, 0.7u GF (49309)	Chloramben methyl ester, water, fltrd, (61188)	Chlorimuron, water, fltrd, (50306)	Chloro-di-amino-s-triazine, wat flt (04039)	Chlorothalonil, water, fltrd, 0.7u GF (49306)	Chlorpyrifos oxon, water, fltrd, (61636)	Chlorpyrifos water, fltrd, (38933)	Cholesterol, water, fltrd, (62072)	cis-Permethrin water fltrd, 0.7u GF (82687)	Clopyralid, water, fltrd, 0.7u GF (49305)	Cotinine, water, fltrd, (62005)	Cycloate, water, fltrd, (04031)	Cyfluthrin, water, fltrd, (61585)
OCT 15...	<.006	<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1.00	<.01	<.008
NOV 05...	<.006	<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1.00	<.01	<.008
NOV 24...	<.006	<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1.00	<.01	<.008
Date	Cypermethrin water, fltrd, (61586)	Dacthal mono-acid, water, fltrd, 0.7u GF (49304)	DCPA, water fltrd, 0.7u GF (82682)	^a DecaF-biphenl sur Sch 2033 & 8033, wat flt pct rcv (99585)	DEET, water, fltrd, (62082)	Desulf-inyl fipro-nil, water, fltrd, (62170)	Diazinon oxon, water, fltrd, (61638)	Diazinon, water, fltrd, (39572)	^a Diazinon-d10 surrog, Sch2003 wat flt percent recovery (99994)	Dicamba water fltrd, 0.7u GF (38442)	Di-chlor-prop, water, fltrd, 0.7u GF (49302)	Dicrotophos, water, fltrd, (38454)	Dieldrin, water, fltrd, (39381)
OCT 15...	<.009	<.01	<.003	73.9	E.1	<.012	<.01	<.005	97.4	<.01	<.01	<.08	<.009
NOV 05...	<.009	<.01	<.003	83.3	E.1	<.012	<.01	<.005	94.0	<.01	<.01	<.08	<.009
NOV 24...	<.009	<.01	<.003	87.5	E.1	<.012	<.01	<.005	93.3	<.01	<.01	--	<.009
Date	Di-ethoxy-nonyl-phenol, water, fltrd, (62083)	Di-ethoxy-octyl-phenol, water, fltrd, (61705)	Dimeth-oate, water, fltrd, 0.7u GF (82662)	Dinoseb water, fltrd, 0.7u GF (49301)	Diphen-amid, water, fltrd, (04033)	Diuron, water, fltrd, 0.7u GF (49300)	D-Limo-nene, water, fltrd, (62073)	Ethion monoxon water, fltrd, (61644)	Ethion, water, fltrd, (82346)	Ethoxy-octyl-phenol, water, fltrd, (61706)	Fenami-phos sulfone water, fltrd, (61645)	Fenami-phos sulf-oxide, water, fltrd, (61646)	Fenami-phos, water, fltrd, (61591)
OCT 15...	<.5	<1	<.006	<.01	<.03	<.01	<.5	<.03	<.004	<1	<.008	<.03	<.03
NOV 05...	<.5	<1	<.006	<.01	<.03	<.01	<.5	<.03	<.004	<1	<.008	<.03	<.03
NOV 24...	<.5	<1	<.006	<.01	<.03	<.01	<.5	<.03	<.004	<1	<.008	<.03	<.03

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10347699 TRUCKEE RIVER AT CHALK BLUFF TREATMENT PLANT INTAKE NEAR RENO, NV--Continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulf- inyl- fipron- nil amide, wat flt ug/L (62169)	Fipron- nil sulfide water, fltrd, ug/L (62167)	Fipron- nil sulfone water, fltrd, ug/L (62168)	Fipron- nil, water, fltrd, ug/L (62166)	Flumet- sulam, water, fltrd, ug/L (61694)	Fluo- meturon water fltrd 0.7u GF ug/L (38811)	Fluor- anthene water, fltrd, ug/L (34377)	^a Fluor- anthene -d10, sur Sch 20/8033 wat flt pct rcv (99586)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	HHCb, water, fltrd, ug/L (62075)	Hexa- zinone, water, fltrd, ug/L (04025)
OCT 15...	<.03	<.029	<.013	<.024	<.016	<.01	<.03	<.5	104	<.002	<.003	<.5	<.013
NOV 05...	<.03	<.029	<.013	<.024	<.016	<.01	<.03	<.5	125	<.002	<.003	<.5	<.013
24...	<.03	<.029	<.013	<.024	<.016	<.01	<.03	<.5	117	<.002	<.003	<.5	<.013
Date	Imaza- quin, water, fltrd, ug/L (50356)	Imaze- thapyr, water, fltrd, ug/L (50407)	Imida- clopidr water, fltrd, ug/L (61695)	Indole, water, fltrd, ug/L (62076)	Iprodi- one, water, fltrd, ug/L (61593)	Isobor- neol, water, fltrd, ug/L (62077)	^a Iso- butyl alcohol -d6, surrog, wat unf pct rcv (62835)	Isofen- phos, water, fltrd, ug/L (61594)	Iso- phorone water, fltrd, ug/L (34409)	Iso- propyl- benzene water, fltrd, ug/L (62078)	Iso- quin- oline, water, fltrd, ug/L (62079)	Linuron water fltrd 0.7u GF ug/L (38478)	Malax- on, water, fltrd, ug/L (61652)
OCT 15...	<.02	<.02	<.007	<.5	<1	<.5	112	<.003	<.5	<.5	<.5	<.01	<.008
NOV 05...	<.02	<.02	<.007	<.5	<1	<.5	107	<.003	<.5	<.5	<.5	<.01	<.008
24...	<.02	<.02	<.007	<.5	<1	<.5	130	<.003	<.5	<.5	<.5	<.01	<.008
Date	Malath- ion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Menthol water, fltrd, ug/L (62080)	Meta- laxyl, water, fltrd, ug/L (50359)	Meta- laxyl, water, fltrd, ug/L (61596)	Methi- alithion water, fltrd, ug/L (61598)	Methio- carb, water, fltrd 0.7u GF ug/L (38501)	Meth- omyl, water, fltrd 0.7u GF ug/L (49296)	Methyl acetate water unfltrd ug/L (77032)	Methyl para- oxon, water, fltrd, ug/L (61664)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Methyl salicy- late, water, fltrd, ug/L (62081)
OCT 15...	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4	<.03	<.015	<.5
NOV 05...	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4	<.03	<.015	<.5
24...	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4	<.03	<.015	<.5
Date	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Metsul- furon, water, fltrd, ug/L (61697)	Myclo- butanil water, fltrd, ug/L (61599)	N-(4- Chloro- phenyl) -N'- methyl- urea, ug/L (61692)	Naphth- alene, water, fltrd, ug/L (34443)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nico- sul- furon, water, fltrd, ug/L (50364)	Norflur- azon, water, fltrd 0.7u GF ug/L (49293)	Ory- zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	p- Cresol, water, fltrd, ug/L (62084)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)
OCT 15...	<.013	<.006	<.03	<.008	<.02	<.5	<.01	<.01	<.02	<.02	<.01	M	<.022
NOV 05...	<.013	<.006	<.03	<.008	<.02	<.5	<.01	<.01	<.02	<.02	<.01	M	<.022
24...	<.013	<.006	<.03	<.008	<.02	<.5	<.01	<.01	<.02	<.02	<.01	<1	<.022
Date	Penta- chloro- phenol, water, fltrd, ug/L (34459)	Phenan- threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Phorate oxon, water, fltrd, 0.7u GF ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Pic- loram, water, fltrd 0.7u GF ug/L (49291)	Prome- ton, water, fltrd, ug/L (04037)	Prome- tryn, water, fltrd, ug/L (04036)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propham water fltrd 0.7u GF ug/L (49236)	Propi- conazole, water, fltrd, ug/L (50471)
OCT 15...	<2	<.5	V.3	<.10	<.011	<.06	<.008	<.02	<.01	<.005	<.004	<.010	<.02
NOV 05...	<2	<.5	V.7	<.10	<.011	--	<.008	<.02	<.01	<.005	<.004	<.010	<.02
24...	<2	<.5	V.3	<.10	<.011	--	--	<.02	<.01	<.005	<.004	<.010	<.02

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10347699 TRUCKEE RIVER AT CHALK BLUFF TREATMENT PLANT INTAKE NEAR RENO, NV--Continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Pro-poxur, water, fltrd 0.7u GF (38538)	Pyrene, water, fltrd, (34470)	Siduron water, fltrd, (38548)	Simazine, water, fltrd, (04035)	Sulfometuron, water, fltrd, (50337)	Tebu-thiuron water fltrd 0.7u GF (82670)	Terbacil, water, fltrd, (04032)	Terbufos oxon sulfone water, fltrd, (61674)	Terbufos, water, fltrd 0.7u GF (82675)	Terbutyl-azine, water, fltrd, (04022)	tert-Amyl alcohol water unfltrd (77073)	tert-Butyl alcohol water unfltrd (77035)	Tetra-chloro-ethene, water, fltrd, (34476)
OCT 15...	<.008	<.5	<.02	<.005	<.009	<.02	<.010	<.07	<.02	<.01	<.4	<1.00	<.5
NOV 05...	<.008	<.5	<.02	<.005	<.009	<.02	<.010	<.07	<.02	<.01	<.4	<1.00	<.5
NOV 24...	<.008	<.5	<.02	<.005	<.009	<.02	<.010	<.07	<.02	<.01	<.4	<1.00	<.5
Date	Tri-bromo-methane water, fltrd, (34288)	Tri-butyl phosphate, water, fltrd, (62089)	Tri-clopyr, water, fltrd 0.7u GF (49235)	Triclo-san, water, fltrd, (62090)	Tri-ethyl citrate water, fltrd, (62091)	Tri-flur-alin, water, fltrd 0.7u GF (82661)	Tri-phenyl phosphate, water, fltrd, (62092)	Tris(2-butoxy-ethyl) phosphate, wat flt (62093)	Tris(2-chloro-ethyl) phosphate, wat flt (62087)	Tris(di-chloro-i-Pr) phosphate, wat flt (62088)	1,1,1,2-Tetra-chloro-ethane, water, unfltrd (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd (34516)
OCT 15...	<.5	<.5	<.02	<1	<.5	<.009	<.5	<.5	<.5	<.5	<.03	<.03	<.16
NOV 05...	<.5	<.5	<.02	<1	<.5	<.009	<.5	<.5	E.1	<.5	<.03	<.03	<.16
NOV 24...	M	<.5	<.02	<1	<.5	<.009	<.5	<.5	<.5	<.5	<.03	<.03	<.16
Date	CFC-113 water unfltrd (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd (34511)	1,1-Di-chloro-ethane, water, unfltrd (34496)	1,1-Di-chloro-ethene, water, unfltrd (34501)	1,1-Di-chloro-propene water, unfltrd (77168)	1,2,3,4-Tetra-methyl-benzene water unfltrd (49999)	1,2,3,5-Tetra-methyl-benzene water unfltrd (50000)	1,2,3-Tri-chloro-benzene water unfltrd (77613)	1,2,3-Tri-chloro-propane water unfltrd (77443)	1,2,3-Tri-methyl-benzene water unfltrd (77221)	1,2,4-Tri-chloro-benzene water unfltrd (34551)	1,2,4-Tri-methyl-benzene water unfltrd (77222)	Dibromo-chloro-propane water unfltrd (82625)
OCT 15...	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3	<.18	<.1	<.1	<.06	<.5
NOV 05...	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3	<.18	<.1	<.1	<.06	<.5
NOV 24...	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3	<.18	<.1	<.1	E.02	<.5
Date	1,2-Di-bromo-ethane, water, unfltrd (77651)	1,2-Di-chloro-benzene water unfltrd (34536)	1,2-Di-chloro-ethane, water, unfltrd (32103)	^a 1,2-Di-chloro-ethane-d4, sur Sch2090 wat unfltrd (99832)	1,2-Di-chloro-propane water unfltrd (34541)	1,3,5-Tri-methyl-benzene water unfltrd (77226)	1,3-Di-chloro-benzene water unfltrd (34566)	1,3-Di-chloro-propane water unfltrd (77173)	1,4-Di-chloro-benzene water unfltrd (34571)	^a 14Bromo fluoro-benzene surrog. VOC Sch wat unfltrd (99834)	2,2-Di-chloro-propane water unfltrd (77170)	2-Chloro-toluene water unfltrd (77275)	2-Ethyl-toluene water unfltrd (77220)
OCT 15...	<.04	<.05	<.1	108	<.03	<.04	<.03	<.1	<.03	87.0	<.05	<.04	<.06
NOV 05...	<.04	<.05	<.1	99.5	<.03	<.04	<.03	<.1	<.03	73.6	<.05	<.04	<.06
NOV 24...	<.04	<.05	<.1	123	<.03	<.04	<.03	<.1	<.03	91.2	<.05	<.04	<.06
Date	3-Chloro-propene water unfltrd (78109)	4-Chloro-toluene water unfltrd (77277)	4-Iso-propyl-toluene water unfltrd (77356)	Acetone water unfltrd (81552)	Acrylo-nitrile water unfltrd (34215)	Benzene water unfltrd (34030)	Bromo-benzene water unfltrd (81555)	Bromo-chloro-methane water unfltrd (77297)	Bromo-di-chloro-methane water unfltrd (32101)	Bromo-ethene, water, unfltrd (50002)	Bromo-methane water unfltrd (34413)	Carbon di-sulfide water unfltrd (77041)	Chloro-benzene water unfltrd (34301)
OCT 15...	<.50	<.05	<.08	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
NOV 05...	<.50	<.05	<.08	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
NOV 24...	<.50	<.05	<.08	<6	<1	E.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10347699 TRUCKEE RIVER AT CHALK BLUFF TREATMENT PLANT INTAKE NEAR RENO, NV--Continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Chloroethane, water, unfltrd ug/L (34311)	Chloromethane water unfltrd ug/L (34418)	cis-1,2-Dichloroethene, water, unfltrd ug/L (77093)	cis-1,3-Dichloropropene water unfltrd ug/L (34704)	Di-bromochloromethane water unfltrd ug/L (32105)	Di-bromomethane water unfltrd ug/L (30217)	Di-chloro-di-fluoromethane wat unfltrd ug/L (34668)	Di-chloromethane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diisopropyl ether, water, unfltrd ug/L (81577)	Ethyl methacrylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethylbenzene water unfltrd ug/L (34371)
OCT 15...	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<.40	<.03
NOV 05...	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<.40	<.03
24...	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<.40	<.03
Date	Hexachlorobutadiene, water, unfltrd ug/L (39702)	Hexachloroethane, water, unfltrd ug/L (34396)	Iodomethane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propylbenzene water unfltrd ug/L (77223)	Methyl acrylonitrile water unfltrd ug/L (81593)	Methyl acrylate, water, unfltrd ug/L (49991)	Methyl methacrylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta+ para-Xylene, water, unfltrd ug/L (85795)	Naphthalene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)
OCT 15...	<.1	<.1	<.35	<.4	<.04	<.8	<.20	<.3	<.08	<.06	<.5	<.7	<.1
NOV 05...	<.1	<.1	<.35	<.4	<.04	<.8	<.20	<.3	<.08	<.06	<.5	<.7	<.1
24...	<.1	<.1	<.35	<.4	<.04	<.8	<.20	<.3	<.08	E.03	<.5	<.7	<.1
Date	n-propylbenzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butylbenzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butylbenzene water unfltrd ug/L (77353)	Tetrachloroethene, water, unfltrd ug/L (34475)	Tetrachloromethane water unfltrd ug/L (32102)	Tetrahydrofuran, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	^a Toluene-d8, surrog, Sch2090 wat unfltrd percent recovery (99833)	trans-1,2-Dichloroethene, water, unfltrd ug/L (34546)
OCT 15...	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06	<.06	<.06	E.03	104	<.03
NOV 05...	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06	<.06	<.06	<.05	86.9	<.03
24...	<.04	E.02	<.06	E.01	<.05	<.2	<.06	<.06	<.06	<.06	E.05	97.6	<.03
Date	trans-1,3-Dichloropropene water unfltrd ug/L (34699)	trans-1,4-Dichloro-2-butene, wat unfltrd ug/L (73547)	Tri-bromomethane water unfltrd ug/L (32104)	Tri-chloroethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoromethane water unfltrd ug/L (34488)	Tri-chloromethane water unfltrd ug/L (32106)	Vinyl chloride, water, unfltrd ug/L (39175)	Di-chlorvos, water fltrd, ug/L (38775)	Sample volume, Sched 2003, ml (99972)				
OCT 15...	<.09	<.7	<.10	<.04	<.16	E.05	<.1	<.01	854				
NOV 05...	<.09	<.7	<.10	<.04	<.16	<.02	<.1	<.01	854				
24...	<.09	<.7	<.10	<.04	<.16	<.02	<.1	<.01	839				

Remark codes used in this table:
 < -- Less than
 E -- Estimated value
 M-- Presence verified, not quantified
 V -- Contamination

^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.

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10348000 TRUCKEE RIVER AT RENO, NV

LOCATION.--Lat 39°31'49", long 119°47'40" referenced to North American Datum of 1927, in SW ¼ NE ¼ 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 mi².

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 National Geodetic Vertical Datum 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 Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,800 ft³/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, 1,190 ft³/s, March 24, gage height, 5.94 ft; minimum daily discharge, 65 ft³/s, September 29.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	357	335	201	315	206	342	791	712	734	324	323	263
2	320	276	200	273	212	349	767	748	729	323	347	267
3	321	295	243	311	216	306	774	815	685	305	329	259
4	315	352	251	284	219	309	805	863	612	308	326	267
5	312	420	187	246	205	321	857	910	530	329	330	253
6	340	406	152	273	202	331	889	870	487	325	313	270
7	322	375	367	272	209	354	837	909	495	307	316	276
8	313	376	270	277	200	376	834	918	449	302	312	252
9	314	372	291	274	200	407	836	907	425	315	322	270
10	314	351	308	286	199	467	811	909	413	297	319	281
11	325	331	294	283	205	547	794	894	387	312	300	276
12	324	325	277	276	194	569	803	857	378	329	302	275
13	334	313	252	249	196	595	817	834	370	320	301	284
14	332	319	249	229	199	617	791	832	389	319	303	293
15	325	324	200	232	191	694	754	798	400	310	318	282
16	300	318	194	227	205	756	724	795	337	312	322	327
17	295	312	196	225	405	812	722	786	325	325	310	403
18	292	313	187	225	434	822	699	796	322	312	288	408
19	292	306	194	224	385	882	681	739	317	327	273	411
20	290	304	210	227	375	914	728	759	319	316	282	424
21	298	310	216	227	352	946	737	794	348	320	273	413
22	291	302	214	215	335	1,030	777	819	348	318	272	381
23	295	288	209	209	324	1,120	760	828	332	317	276	324
24	288	302	250	217	313	1,120	753	812	321	325	289	178
25	278	293	324	217	414	1,050	785	730	314	320	259	129
26	283	289	281	207	502	972	835	677	305	331	265	100
27	287	287	226	211	434	839	868	707	306	315	266	113
28	284	287	221	220	379	801	895	872	327	320	277	88
29	287	282	258	212	347	805	815	783	350	319	274	65
30	291	234	263	210	---	840	711	732	315	318	270	66
31	343	---	305	206	---	817	---	734	---	322	262	---
TOTAL	9,562	9,597	7,490	7,559	8,257	21,110	23,650	25,139	12,369	9,842	9,219	7,898
MEAN	308	320	242	244	285	681	788	811	412	317	297	263
MAX	357	420	367	315	502	1,120	895	918	734	331	347	424
MIN	278	234	152	206	191	306	681	677	305	297	259	65
AC-FT	18,970	19,040	14,860	14,990	16,380	41,870	46,910	49,860	24,530	19,520	18,290	15,670

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907 - 2004, BY WATER YEAR (WY)

MEAN	282	416	555	659	729	893	1,220	1,493	1,048	430	259	255
MAX	977	2,513	3,638	6,177	3,336	4,448	4,138	5,679	4,883	2,500	1,261	1,302
(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)

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
 10348000 TRUCKEE RIVER AT RENO, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1907 - 2004	
ANNUAL TOTAL	155,825		151,692			
ANNUAL MEAN	427		414		689	
HIGHEST ANNUAL MEAN					2,350	1983
LOWEST ANNUAL MEAN					106	1931
HIGHEST DAILY MEAN	1,320	May 30	1,120	Mar 23	16,200	Dec 23, 1955
LOWEST DAILY MEAN	152	Dec 6	65	Sep 29	0.00	Sep 12, 1926
ANNUAL SEVEN-DAY MINIMUM	200	Dec 15	106	Sep 24	0.00	Sep 14, 1926
MAXIMUM PEAK FLOW			1,190	Mar 24	20,800	Dec 23, 1955
MAXIMUM PEAK STAGE			5.94	Mar 24	14.94	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	309,100		300,900		498,900	
10 PERCENT EXCEEDS	817		815		1,670	
50 PERCENT EXCEEDS	320		319		381	
90 PERCENT EXCEEDS	254		212		124	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10348200 TRUCKEE RIVER NEAR SPARKS, NV

LOCATION (REVISED).--Lat 39°31'03.42", long 119°44'29.92" referenced to North American Datum of 1983, in NW ¼ NE ¼ 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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,382.41 ft above National Geodetic Vertical Datum 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 Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 18,000 ft³/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, 1,200 ft³/s, March 24, gage height, 6.59 ft; minimum daily discharge, 43 ft³/s, September 29.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	323	342	204	332	211	358	702	607	687	272	262	209
2	282	283	201	283	219	382	666	648	689	280	282	215
3	286	296	238	323	222	321	668	730	653	259	267	211
4	278	333	253	317	226	316	697	787	583	259	262	220
5	277	428	195	285	212	325	757	840	500	279	268	202
6	310	415	151	296	208	330	799	792	465	277	253	222
7	287	382	364	282	215	348	741	829	484	259	252	247
8	278	382	284	287	207	367	730	852	423	252	250	229
9	279	380	292	283	207	389	729	831	392	267	264	241
10	279	363	316	294	204	445	696	846	386	251	254	252
11	290	340	301	293	212	527	680	845	353	260	237	248
12	290	328	284	287	201	545	698	789	342	291	239	242
13	301	314	259	258	201	567	714	753	333	269	240	256
14	299	320	268	236	203	582	682	761	357	266	242	268
15	290	326	210	238	196	656	643	722	368	257	261	257
16	262	321	197	234	207	720	596	722	297	250	286	308
17	260	315	198	230	411	782	598	710	283	267	260	388
18	252	317	190	231	454	791	569	722	286	253	230	396
19	254	310	195	229	399	854	548	646	279	265	213	402
20	259	308	217	242	390	887	615	673	278	257	220	417
21	266	314	220	234	366	915	621	713	314	260	216	408
22	261	295	218	222	348	998	673	739	309	259	211	374
23	266	298	213	215	336	1,100	649	749	291	262	228	331
24	253	305	253	219	324	1,110	643	738	277	262	246	179
25	251	300	333	224	450	1,020	683	633	267	261	204	125
26	262	294	292	214	543	935	739	575	256	275	207	74
27	263	294	240	215	459	771	784	597	255	258	212	96
28	267	291	234	226	397	721	819	798	284	258	223	71
29	271	286	262	218	360	723	731	721	301	258	220	43
30	274	240	270	217	---	763	609	666	277	257	230	44
31	340	---	313	211	---	739	---	679	---	258	215	---
TOTAL	8,610	9,720	7,665	7,875	8,588	20,287	20,479	22,713	11,269	8,158	7,454	7,175
MEAN	278	324	247	254	296	654	683	733	376	263	240	239
MAX	340	428	364	332	543	1,110	819	852	689	291	286	417
MIN	251	240	151	211	196	316	548	575	255	250	204	43
AC-FT	17,080	19,280	15,200	15,620	17,030	40,240	40,620	45,050	22,350	16,180	14,790	14,230

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	252	429	596	726	828	1,037	1,129	1,472	976	423	235	258
MAX	728	2,573	3,716	6,500	3,342	4,590	3,104	3,965	5,039	2,586	802	1,199
(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	0.00
(WY)	(1995)	(1991)	(1991)	(1991)	(1991)	(1992)	(1992)	(1992)	(1992)	(1992)	(1994)	(1994)

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10348200 TRUCKEE RIVER NEAR SPARKS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	148,670		139,993		704	
ANNUAL MEAN	407		382		88.7	1992
HIGHEST ANNUAL MEAN					2,373	1983
LOWEST ANNUAL MEAN					15,000	Jan 2, 1997
HIGHEST DAILY MEAN	1,250	May 30	1,110	Mar 24	0.00	Aug 13, 1992
LOWEST DAILY MEAN	151	Dec 6	43	Sep 29	0.00	Sep 4, 1992
ANNUAL SEVEN-DAY MINIMUM	204	Dec 15	90	Sep 24	18,000	Jan 2, 1997
MAXIMUM PEAK FLOW			1,200	Mar 24	17.06	Jan 2, 1997
MAXIMUM PEAK STAGE			6.59	Mar 24		
ANNUAL RUNOFF (AC-FT)	294,900		277,700		510,300	
10 PERCENT EXCEEDS	785		730		1,900	
50 PERCENT EXCEEDS	307		287		336	
90 PERCENT EXCEEDS	233		213		89	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10348200 TRUCKEE RIVER NEAR SPARKS, NV—Continued

WATER-QUALITY RECORDS

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 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, cm at 25°C, January 5, 1995; minimum recorded, 70 microsiemens, cm at 25°C, June 17, 1995.

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, 244 microsiemens/cm at 25°C, January 20; minimum, 79 microsiemens/cm at 25°C, May 28, 29.

WATER TEMPERATURE: Maximum, 24.5°C, July 6; minimum, 0.0°C, on several days.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	110	105	107	122	115	118	140	133	137	155	133	140
2	114	109	111	128	122	124	147	137	143	151	135	140
3	116	110	113	131	122	127	146	135	142	149	131	138
4	116	110	113	131	122	127	140	128	134	141	135	137
5	115	108	112	126	113	119	137	128	132	138	133	136
6	116	113	115	117	112	115	---	---	---	142	133	138
7	116	111	113	118	110	115	188	141	166	141	133	137
8	115	110	113	119	113	116	141	128	133	138	135	137
9	114	109	112	122	114	118	148	133	143	139	135	137
10	114	108	112	122	116	118	144	130	134	141	136	139
11	114	109	112	124	117	121	151	127	133	140	136	138
12	114	108	111	124	118	121	132	128	130	140	135	137
13	114	108	111	126	119	122	136	130	133	142	136	138
14	114	108	111	127	118	123	196	136	164	147	137	142
15	115	109	112	124	119	122	191	160	170	153	141	148
16	116	111	113	124	117	122	168	163	166	153	147	150
17	118	113	116	125	118	122	168	158	165	154	146	150
18	118	112	116	125	118	123	172	158	164	154	145	150
19	118	114	116	126	120	123	166	154	160	155	145	150
20	118	114	116	126	120	124	163	150	155	244	149	182
21	118	113	116	126	121	123	177	149	163	163	149	154
22	117	110	115	127	121	124	152	149	151	156	150	153
23	120	111	117	132	122	126	155	147	151	157	153	155
24	119	113	117	129	120	125	192	147	154	155	146	151
25	122	114	118	130	121	126	192	150	165	157	146	152
26	124	115	120	129	121	125	159	151	154	157	152	155
27	124	120	122	129	122	126	157	143	153	159	149	155
28	123	116	121	128	121	125	180	157	167	158	147	152
29	124	119	121	128	121	125	163	146	153	157	149	154
30	124	119	122	133	124	127	192	148	166	159	153	156
31	124	116	120	---	---	---	153	135	146	160	150	155
MONTH	124	105	115	133	110	122	196	127	151	244	131	147

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
 10348200 TRUCKEE RIVER NEAR SPARKS, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	18.5	15.0	16.5	8.0	6.0	7.0	6.0	3.5	5.0	3.0	1.5	2.5
2	17.5	14.0	15.5	7.0	5.0	5.5	6.5	4.5	5.5	1.5	0.0	0.5
3	16.5	13.0	15.0	8.0	4.5	6.0	6.5	4.5	5.5	0.5	0.0	0.0
4	17.0	14.0	15.5	7.0	4.5	6.0	5.5	3.5	4.5	0.0	0.0	0.0
5	17.0	14.0	15.5	8.0	5.5	7.0	8.5	5.0	6.5	0.0	0.0	0.0
6	17.0	13.5	15.0	7.5	6.0	7.0	11.0	6.5	8.0	0.0	0.0	0.0
7	17.0	14.0	15.5	8.0	6.5	7.0	7.0	4.5	6.0	2.0	0.0	0.5
8	16.5	13.0	15.0	8.0	6.5	7.5	4.5	3.0	3.5	4.5	2.0	3.0
9	16.5	13.0	14.5	8.0	7.0	7.5	3.0	1.5	2.5	4.0	2.5	3.5
10	14.0	11.0	12.5	7.5	5.5	7.0	4.0	2.0	3.0	4.0	2.0	3.5
11	13.5	10.0	12.0	7.0	5.5	6.5	4.0	2.5	3.0	4.0	2.0	3.0
12	14.5	11.0	12.5	7.0	5.0	6.0	4.0	2.0	3.0	3.5	2.0	3.0
13	13.0	10.5	12.0	7.5	6.0	6.5	5.0	3.5	4.5	4.0	2.0	3.0
14	13.5	10.0	11.5	7.0	5.0	6.0	5.0	3.0	4.0	3.5	1.5	2.5
15	13.0	10.0	11.5	6.5	6.0	6.0	3.0	0.5	1.5	4.0	1.5	3.0
16	13.5	10.0	12.0	7.0	4.5	6.0	1.5	0.0	0.5	3.5	1.5	2.5
17	14.5	11.0	12.5	7.5	5.5	6.5	1.5	0.0	0.5	3.5	1.5	2.5
18	14.0	10.5	12.5	7.5	5.5	6.5	1.5	0.0	0.5	4.0	2.0	3.0
19	14.5	11.5	13.0	8.0	5.0	6.5	3.0	0.5	1.5	4.0	2.0	3.0
20	14.5	11.5	13.5	7.5	6.0	6.5	4.5	2.5	3.5	4.0	2.5	3.5
21	14.5	11.5	13.0	6.5	4.5	5.0	5.5	4.0	4.5	3.5	1.5	2.5
22	14.0	11.5	13.0	4.5	2.5	3.5	5.5	3.5	4.5	2.5	0.0	1.5
23	14.0	12.0	13.0	3.0	0.5	2.0	4.0	3.0	3.5	1.5	0.0	1.0
24	13.0	10.0	11.5	4.0	1.0	2.5	5.0	3.5	4.0	4.0	1.5	2.5
25	12.0	9.0	11.0	4.0	2.0	3.0	4.0	2.5	3.0	3.5	1.0	2.5
26	12.0	9.0	10.5	4.0	2.0	3.5	2.5	1.0	1.5	2.0	0.0	1.0
27	12.5	9.5	11.0	3.5	1.5	3.0	1.0	0.0	0.0	3.0	1.0	2.0
28	12.5	9.5	11.0	4.5	3.0	3.5	0.0	0.0	0.0	4.0	2.0	3.0
29	13.0	10.5	11.5	6.0	4.0	5.0	1.5	0.0	1.0	5.0	2.5	4.0
30	11.0	8.5	9.5	6.0	5.0	5.5	2.5	1.0	1.5	5.0	3.5	4.5
31	8.5	6.5	7.5	---	---	---	3.5	2.0	2.5	4.5	2.5	3.5
MONTH	18.5	6.5	12.8	8.0	0.5	5.6	11.0	0.0	3.2	5.0	0.0	2.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	4.0	2.0	3.0	5.5	3.0	4.5	9.5	6.5	8.0	14.5	9.5	12.0
2	4.0	2.5	3.5	5.0	3.0	4.0	8.5	6.0	7.0	15.5	11.0	13.0
3	3.5	1.5	2.5	6.0	3.0	4.5	12.0	7.5	9.5	16.0	11.5	13.5
4	3.0	1.5	2.5	6.5	3.5	5.0	11.0	8.5	10.0	15.5	11.5	13.5
5	4.0	1.0	2.5	7.5	4.0	5.5	12.5	8.5	10.5	13.0	11.0	12.0
6	3.5	0.5	2.0	9.5	5.5	7.5	11.5	8.5	10.0	13.0	11.0	12.0
7	4.0	1.5	2.5	9.5	6.0	8.0	12.0	8.5	10.0	14.0	9.5	12.0
8	4.0	1.0	2.5	10.0	6.0	8.0	12.5	8.5	10.5	14.0	10.0	12.0
9	4.0	1.0	2.5	10.5	7.0	8.5	12.0	8.5	10.5	14.0	10.5	12.0
10	3.5	0.5	2.0	10.5	7.0	9.0	12.0	8.0	10.0	12.5	10.0	11.0
11	3.5	0.5	2.0	9.5	6.0	7.5	12.5	7.5	10.0	10.5	8.5	9.5
12	3.5	0.5	2.0	9.5	6.0	7.5	13.0	9.0	11.0	13.0	8.0	10.5
13	2.0	0.5	1.5	9.5	6.0	8.0	12.0	9.5	10.5	14.5	10.5	12.5
14	3.5	0.5	2.0	10.0	6.5	8.5	11.5	7.0	9.0	14.5	11.0	13.0
15	5.5	2.5	4.5	10.5	7.0	8.5	11.5	7.0	8.5	15.0	11.0	13.0
16	6.5	4.5	5.5	9.5	6.5	8.0	11.0	7.0	9.0	15.0	11.0	13.0
17	7.0	5.0	6.0	9.5	6.0	8.0	9.5	7.0	8.5	15.0	11.0	13.0
18	5.5	4.0	4.5	9.5	6.5	8.0	9.0	6.5	8.0	15.0	10.0	12.5
19	6.0	3.0	4.5	10.0	7.0	8.5	10.0	6.5	8.0	14.0	10.5	12.5
20	5.0	3.5	4.5	10.0	6.5	8.0	11.5	7.0	9.0	13.5	10.5	12.0
21	5.0	4.0	4.5	10.5	7.5	9.0	12.0	7.5	9.5	13.5	10.0	12.0
22	6.0	4.0	5.0	10.0	8.0	9.0	11.0	7.5	9.5	14.5	10.0	12.0
23	7.0	4.5	5.5	10.0	7.5	8.5	12.0	8.5	10.5	15.0	10.5	12.5
24	7.0	4.0	5.5	9.5	7.0	8.0	13.5	9.0	11.0	15.0	11.5	13.0
25	5.5	3.5	4.5	8.0	6.5	7.0	14.0	10.0	12.0	15.0	11.0	13.0
26	4.0	2.5	3.0	7.0	4.5	5.5	14.5	10.5	12.5	15.5	11.0	13.0
27	4.0	1.0	2.5	9.0	4.5	7.0	14.5	11.0	13.0	16.5	13.0	14.5
28	5.0	2.0	3.5	10.0	6.5	8.0	13.5	11.0	12.0	16.0	12.0	14.0
29	6.0	2.5	4.5	10.5	7.0	8.5	12.5	8.5	10.5	16.0	11.5	13.5
30	---	---	---	11.5	8.0	9.5	13.5	8.5	11.0	17.0	12.0	14.0
31	---	---	---	11.0	8.0	9.5	---	---	---	17.0	13.0	15.0
MONTH	7.0	0.5	3.5	11.5	3.0	7.6	14.5	6.0	10.0	17.0	8.0	12.6

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10348245 NORTH TRUCKEE DRAIN AT SPANISH SPRINGS ROAD NEAR SPARKS, NV

LOCATION.--Lat 39°34'08", long 119°43'32" referenced to North American Datum of 1927, in NE ¼ SW ¼ 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 mi².

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 National Geodetic Vertical Datum 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 Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43 ft³/s, August 1, 2002, gage height, 3.73 ft; minimum daily, 0.02 ft³/s, September 20, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23 ft³/s, June 26, gage height, 3.22 ft; minimum daily discharge, 0.13 ft³/s, April 21.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	1.4	1.5	1.3	0.86	1.6	0.22	0.28	5.3	9.7	2.1	8.2
2	3.0	1.4	1.5	1.0	1.0	2.6	0.20	0.46	4.7	8.5	2.6	9.1
3	2.7	1.5	1.5	0.83	0.97	1.2	0.45	0.28	4.0	6.3	2.4	9.0
4	2.8	1.4	1.3	0.77	0.93	1.2	0.60	0.19	4.4	9.2	1.9	8.2
5	2.8	1.3	1.3	0.76	0.81	1.0	0.38	0.20	5.2	8.4	1.6	9.1
6	2.5	1.3	1.3	0.76	0.78	0.89	0.38	0.26	6.5	7.3	2.8	11
7	2.3	1.6	1.5	0.78	0.91	0.87	0.39	0.20	5.1	7.2	3.6	13
8	2.2	1.7	1.0	0.78	0.82	0.66	0.29	1.4	5.3	6.6	3.8	12
9	2.0	1.3	0.92	0.72	0.78	0.72	0.16	3.3	6.9	6.2	3.7	13
10	1.8	1.2	1.1	0.67	0.86	0.98	0.20	0.23	6.8	6.2	6.2	12
11	2.0	1.4	1.1	0.83	0.73	1.3	0.24	0.84	6.1	6.7	5.1	11
12	2.2	1.4	1.0	0.91	0.68	1.5	0.22	0.56	6.9	5.7	5.9	12
13	2.1	1.1	0.95	0.95	0.68	1.5	0.16	0.49	8.2	4.9	8.0	15
14	1.9	1.0	2.6	0.97	0.65	1.5	0.17	0.53	6.7	4.6	8.8	11
15	1.8	1.2	1.1	0.91	0.71	1.0	0.19	0.45	6.6	4.6	11	11
16	1.7	1.7	1.0	0.90	0.96	0.83	0.15	1.0	7.5	3.8	11	11
17	1.7	1.7	0.95	0.84	0.84	0.75	0.17	0.96	7.1	3.9	9.5	12
18	1.8	1.6	0.86	0.80	0.87	0.59	0.31	0.84	6.7	4.4	9.7	12
19	1.8	1.7	1.1	0.72	0.80	0.73	0.28	1.4	7.0	7.5	9.5	12
20	1.7	1.7	1.5	2.1	0.85	0.59	0.16	2.3	8.0	9.8	8.8	11
21	1.5	1.7	1.6	1.0	1.1	0.68	0.13	3.3	6.7	9.4	10	12
22	1.5	1.6	1.1	0.91	1.2	0.45	0.14	4.9	8.8	8.0	13	13
23	1.6	1.5	1.1	0.94	1.2	0.41	0.15	3.5	13	7.0	12	12
24	1.5	1.7	1.5	1.0	1.1	0.39	0.18	2.4	13	5.8	12	7.9
25	1.5	1.6	1.2	0.91	3.7	0.31	0.31	2.5	12	5.8	8.0	6.2
26	1.6	1.6	0.96	0.86	2.3	0.28	0.30	3.0	15	5.3	6.4	4.3
27	1.5	1.5	0.83	1.00	1.2	0.31	0.18	2.9	19	5.1	5.8	3.1
28	1.6	1.5	0.80	1.1	1.1	0.40	0.22	3.4	11	4.1	6.8	2.8
29	1.8	1.6	0.98	0.94	1.0	0.26	0.29	4.2	5.6	3.2	8.4	2.5
30	2.3	1.7	1.2	0.89	---	0.24	0.31	4.8	5.3	3.1	8.3	2.5
31	1.6	---	1.0	0.87	---	0.21	---	5.4	---	2.7	8.1	---
TOTAL	61.9	44.6	37.35	28.72	30.39	25.95	7.53	56.47	234.4	191.0	216.8	288.9
MEAN	2.00	1.49	1.20	0.93	1.05	0.84	0.25	1.82	7.81	6.16	6.99	9.63
MAX	3.1	1.7	2.6	2.1	3.7	2.6	0.60	5.4	19	9.8	13	15
MIN	1.5	1.0	0.80	0.67	0.65	0.21	0.13	0.19	4.0	2.7	1.6	2.5
AC-FT	123	88	74	57	60	51	15	112	465	379	430	573

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	0.89	1.08	1.33	1.18	1.18	2.41	2.43	7.10	9.27	7.29	7.48	7.25
MAX	2.00	2.56	2.78	1.89	2.33	7.89	6.59	17.4	14.1	15.0	16.0	14.6
(WY)	(2004)	(2003)	(2003)	(2001)	(1995)	(1995)	(1994)	(1994)	(2002)	(2002)	(2002)	(2002)
MIN	0.05	0.08	0.10	0.14	0.13	0.42	0.22	1.82	1.77	0.11	0.07	0.04
(WY)	(1993)	(1993)	(1993)	(1993)	(1993)	(1993)	(2003)	(2004)	(1992)	(1994)	(1994)	(1992)

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10348245 NORTH TRUCKEE DRAIN AT SPANISH SPRINGS ROAD NEAR SPARKS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	1,239.27		1,224.01			
ANNUAL MEAN	3.40		3.34		4.41	
HIGHEST ANNUAL MEAN					5.98 2002	
LOWEST ANNUAL MEAN					3.34 2004	
HIGHEST DAILY MEAN	16	Jun 21	19	Jun 27	27	Jul 15, 1993
LOWEST DAILY MEAN	0.16	Apr 25	0.13	Apr 21	0.02	Sep 20, 1992
ANNUAL SEVEN-DAY MINIMUM	0.18	Apr 5	0.19	Apr 11	0.02	Sep 20, 1992
MAXIMUM PEAK FLOW			23	Jun 26	43	Aug 1, 2002
MAXIMUM PEAK STAGE			3.22	Jun 26	3.73	Aug 1, 2002
ANNUAL RUNOFF (AC-FT)	2,460		2,430		3,190	
10 PERCENT EXCEEDS	7.5		9.3		13	
50 PERCENT EXCEEDS	1.9		1.5		1.7	
90 PERCENT EXCEEDS	0.26		0.31		0.10	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10348300 NORTH TRUCKEE DRAIN AT KLEPPE LANE NEAR SPARKS, NV

LOCATION.--Lat 39°31'36", long 119°42'30" referenced to North American Datum of 1927, in NE ¼ SW ¼ 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 National Geodetic Vertical Datum of 1929, from topographic map. Gage formerly operated by Federal Court Watermaster at site 0.2 mi downstream.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by Orr Ditch, many diversions in Spanish Springs Valley, and by pumping from the Helms Pit. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 670 ft³/s, May 18, 1996, gage height, 7.74 ft; maximum gage height, 8.57 ft, backwater from Truckee River; minimum daily, 1.2 ft³/s, December 27, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 220 ft³/s, February 25, gage height, 4.67 ft; minimum daily discharge, 2.5 ft³/s, April 22.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	5.8	5.7	12	4.8	21	5.8	4.7	14	27	10	15
2	5.5	5.8	6.0	6.0	8.3	31	5.7	4.1	14	16	10	15
3	5.5	6.0	6.0	5.6	5.2	9.3	5.9	4.4	13	12	11	16
4	5.3	5.9	6.0	5.5	4.9	7.9	5.8	4.7	13	14	10	15
5	5.1	5.7	6.7	5.7	4.7	7.4	6.4	4.5	13	17	9.4	15
6	5.0	5.7	8.5	5.8	4.7	7.2	6.4	3.9	18	15	10	17
7	5.1	6.0	13	5.7	5.0	7.0	5.9	4.2	16	15	13	20
8	4.8	6.9	8.0	5.5	4.7	6.8	4.2	4.0	16	16	13	19
9	4.7	3.8	7.6	5.4	4.8	6.3	3.3	9.2	25	15	10	19
10	4.7	3.6	9.0	5.2	4.9	6.2	3.1	4.2	20	15	12	20
11	4.8	4.2	9.5	5.2	4.8	6.4	2.9	21	15	15	12	17
12	4.7	4.1	7.7	5.5	4.7	6.6	3.3	4.2	16	15	12	17
13	4.7	4.0	7.1	5.8	4.6	6.7	3.6	4.2	18	14	14	23
14	4.9	3.9	26	5.6	4.5	6.5	3.5	4.2	16	13	15	18
15	4.7	3.9	6.1	5.6	4.4	6.2	3.1	4.3	15	13	18	18
16	4.7	4.1	5.8	5.6	6.6	6.0	3.2	4.6	14	11	26	16
17	4.7	4.4	5.8	5.4	5.2	6.1	3.0	5.1	13	11	21	17
18	4.8	4.4	6.3	5.3	7.3	6.1	3.0	5.3	12	11	19	18
19	4.8	4.7	5.8	5.4	8.3	6.3	3.3	5.7	11	13	18	18
20	5.1	5.4	12	18	8.6	6.1	3.1	7.4	12	17	18	16
21	5.5	5.5	7.8	6.0	8.5	6.0	2.9	8.8	13	20	19	16
22	5.4	5.4	6.2	5.6	8.8	6.2	2.5	11	9.8	17	24	19
23	5.4	5.5	5.9	5.6	9.8	6.1	2.7	10	16	18	24	18
24	5.4	5.6	12	5.5	9.6	6.1	2.7	9.3	21	16	23	12
25	5.3	5.1	6.5	5.2	64	6.1	2.8	9.8	17	15	18	9.7
26	5.3	4.9	5.9	5.1	9.9	6.3	3.0	9.9	20	15	15	7.2
27	5.5	4.8	5.7	5.8	6.3	6.3	3.1	9.7	37	14	15	5.7
28	5.6	4.8	5.6	5.2	5.7	6.3	3.2	10	27	14	14	5.0
29	5.9	4.9	6.2	5.0	5.5	6.5	3.3	12	11	12	15	4.9
30	6.4	5.0	7.0	5.1	---	6.2	3.7	12	14	12	16	4.9
31	6.1	---	6.4	4.9	---	6.1	---	13	---	12	16	---
TOTAL	160.9	149.8	243.8	188.8	239.1	241.3	114.4	229.4	489.8	460	480.4	451.4
MEAN	5.19	4.99	7.86	6.09	8.24	7.78	3.81	7.40	16.3	14.8	15.5	15.0
MAX	6.4	6.9	26	18	64	31	6.4	21	37	27	26	23
MIN	4.7	3.6	5.6	4.9	4.4	6.0	2.5	3.9	9.8	11	9.4	4.9
AC-FT	319	297	484	374	474	479	227	455	972	912	953	895

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

	11.2	10.9	13.2	11.1	12.4	14.9	14.1	27.0	23.8	18.6	22.3	20.4
MEAN												
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	5.19	4.99	4.98	6.09	6.44	5.47	3.81	7.40	11.8	9.46	8.92	10.3
(WY)	(2004)	(2004)	(2001)	(2004)	(2001)	(2001)	(2004)	(2004)	(2003)	(1994)	(1994)	(2001)

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10348300 NORTH TRUCKEE DRAIN AT KLEPPE LANE NEAR SPARKS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	3,287.6		3,449.1			
ANNUAL MEAN	9.01		9.42		16.0	
HIGHEST ANNUAL MEAN					27.1	1996
LOWEST ANNUAL MEAN					9.42	2004
HIGHEST DAILY MEAN	35	Jun 23	64	Feb 25	316	May 18, 1996
LOWEST DAILY MEAN	3.6	Nov 10	2.5	Apr 22	1.2	Dec 27, 1994
ANNUAL SEVEN-DAY MINIMUM	3.9	Nov 9	2.8	Apr 20	2.8	Apr 20, 2004
MAXIMUM PEAK FLOW			220	Feb 25	670	May 18, 1996
MAXIMUM PEAK STAGE			4.67	Feb 25	8.57	Mar 24, 1998
ANNUAL RUNOFF (AC-FT)	6,520		6,840		11,570	
10 PERCENT EXCEEDS	13		18		29	
50 PERCENT EXCEEDS	8.3		6.3		12	
90 PERCENT EXCEEDS	5.3		4.2		5.4	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10348460 FRANKTOWN CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°12'12", long 119°52'17" referenced to North American Datum of 1927, in SW ¼ SE ¼ 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 mi².

PERIOD OF RECORD.--June 1974 to current year.

REVISIONS.--WDR NV-94-1: 1980 (P), 1982-1985(P).

GAGE.--Water-stage recorder. Elevation of gage is 7,380 ft above National Geodetic Vertical Datum 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 [See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 89 ft³/s, February 16, 1986, gage height, 3.64 ft; minimum daily, 0.48 ft³/s, September 9, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9.5 ft³/s, May 4, gage height, 1.73 ft; minimum daily discharge, 1.7 ft³/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	2.1	2.3	e2.1	1.7	1.8	5.3	5.8	3.3	3.0	3.7	3.5
2	3.3	2.1	2.4	e2.1	1.8	2.0	4.4	6.5	3.5	3.7	3.8	3.7
3	3.4	2.1	2.4	2.0	2.0	1.8	5.1	7.0	3.7	3.6	3.7	3.9
4	3.3	2.1	2.3	1.9	1.8	1.8	6.1	7.5	3.6	3.4	3.7	3.9
5	3.2	2.1	e2.3	1.9	1.7	1.8	7.1	6.9	3.4	3.3	3.7	4.0
6	3.3	2.1	e2.4	1.9	1.7	1.8	6.8	6.1	3.2	3.3	3.6	3.8
7	3.3	2.1	e2.4	1.9	e1.7	1.9	6.1	5.5	3.2	3.3	3.6	3.7
8	3.2	2.1	e2.4	1.8	1.8	2.1	6.1	5.3	3.2	3.3	3.6	3.8
9	3.1	2.0	e2.4	1.8	1.8	2.4	6.1	5.3	3.1	3.4	3.6	3.8
10	3.1	2.0	e2.4	1.8	1.8	2.5	6.2	5.3	3.0	3.3	3.7	3.9
11	3.1	2.1	e2.5	1.8	1.8	2.5	6.3	5.2	3.0	3.4	3.8	4.1
12	3.1	2.1	2.5	1.8	1.8	2.5	6.6	4.5	2.9	3.3	3.8	4.1
13	3.2	2.1	2.6	1.8	1.8	2.5	6.7	4.4	2.7	3.2	3.6	2.6
14	3.2	2.1	e2.5	1.9	1.8	2.8	5.8	4.4	2.6	3.1	3.7	2.8
15	2.9	2.1	2.5	1.9	1.8	3.0	5.2	4.4	2.4	3.2	3.8	4.0
16	2.7	2.1	2.3	1.8	e1.8	3.3	4.6	4.4	2.2	3.3	3.6	3.8
17	2.6	2.1	2.3	1.8	e1.9	3.4	4.2	4.3	2.3	3.4	3.5	3.8
18	2.4	2.1	2.2	1.8	e2.0	3.5	4.0	4.1	2.3	3.5	3.5	3.8
19	2.3	2.1	2.1	1.8	2.1	4.3	4.0	4.0	2.2	3.5	3.6	3.9
20	2.3	2.3	2.1	1.9	2.0	4.6	4.1	3.9	2.1	3.5	3.5	3.9
21	2.3	2.3	2.2	1.8	1.9	5.1	4.0	3.8	2.1	3.5	3.9	3.6
22	2.3	2.3	2.2	1.8	2.0	5.7	3.9	3.8	2.1	3.5	3.8	3.6
23	2.2	2.2	2.2	1.7	1.9	6.6	4.0	3.8	2.2	3.5	3.9	3.7
24	2.2	2.2	e2.3	1.8	1.9	6.1	4.5	3.7	2.2	3.5	4.0	3.8
25	2.3	2.2	e2.2	1.8	e2.0	5.2	5.3	3.6	2.4	3.6	3.9	3.8
26	2.2	2.3	e2.2	1.8	e2.1	4.6	6.2	3.6	2.3	3.7	4.0	3.8
27	2.2	2.3	2.1	1.8	2.1	4.0	7.2	3.7	2.3	3.6	4.0	3.8
28	2.2	2.3	2.1	1.8	1.8	4.2	7.2	4.7	2.3	3.6	3.9	3.9
29	2.1	2.3	e2.2	1.7	1.8	4.9	5.9	4.1	2.3	3.7	3.8	3.9
30	2.2	2.4	e2.2	1.7	---	5.8	5.4	3.6	2.3	3.7	3.8	3.3
31	2.1	---	2.2	1.7	---	6.1	---	3.4	---	3.7	3.8	---
TOTAL	84.6	64.8	71.4	56.9	54.1	110.6	164.4	146.6	80.4	106.6	115.9	112.0
MEAN	2.73	2.16	2.30	1.84	1.87	3.57	5.48	4.73	2.68	3.44	3.74	3.73
MAX	3.4	2.4	2.6	2.1	2.1	6.6	7.2	7.5	3.7	3.7	4.0	4.1
MIN	2.1	2.0	2.1	1.7	1.7	1.8	3.9	3.4	2.1	3.0	3.5	2.6
AC-FT	168	129	142	113	107	219	326	291	159	211	230	222

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2004, BY WATER YEAR (WY)

MEAN	2.27	2.40	2.29	2.45	2.79	2.89	5.06	8.08	6.37	3.31	2.41	2.23
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)

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10348460 FRANKTOWN CREEK NEAR CARSON CITY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1974 - 2004	
ANNUAL TOTAL	1,122.2		1,168.3			
ANNUAL MEAN	3.07		3.19		3.55	
HIGHEST ANNUAL MEAN					7.67	
LOWEST ANNUAL MEAN					1.45	
HIGHEST DAILY MEAN	11	May 24	7.5	May 4	65	Feb 16, 1986
LOWEST DAILY MEAN	1.9	Jan 3	1.7	Jan 23	0.48	Sep 9, 1976
ANNUAL SEVEN-DAY MINIMUM	1.9	Jan 12	1.7	Jan 26	0.49	Sep 13, 1976
MAXIMUM PEAK FLOW			9.5	May 4	89	Feb 16, 1986
MAXIMUM PEAK STAGE			1.73	May 4	3.64	Feb 16, 1986
ANNUAL RUNOFF (AC-FT)	2,230		2,320		2,580	
10 PERCENT EXCEEDS	3.7		5.1		7.1	
50 PERCENT EXCEEDS	2.6		3.2		2.4	
90 PERCENT EXCEEDS	2.0		1.8		1.2	

e Estimated

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10348700 WASHOE LAKE NEAR CARSON CITY, NV

LOCATION (REVISED).--Lat 39°14'08.72", long 119°46'25.84" referenced to North American Datum of 1983, in NE ¼ SE ¼ 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 mi², 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). During periods of low lake elevations, the lake level was not monitored continuously and elevations obtained were instantaneous readings.

GAGE.--Water-stage recorder. Datum of gage is above National Geodetic Vertical Datum 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 Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.](#) 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, January 28, 1997; no contents at times some years.

EXTREMES FOR CURRENT YEAR.--Maximum observed elevation, 5,021.16 ft, March 4; minimum observed, no contents, August 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

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND TOTAL CONTENTS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30.....	5,020.73	3,730	-
October 31.....	5,019.77	1,780	-1,950
November 30.....	5,019.63	1,550	-230
December 31.....	5,019.69	1,640	+90
CALENDAR YEAR 2003.....	--	--	-4,910
January 31.....	5,020.11	2,430	+790
February 29.....	5,021.00	4,300	+1,870
March 31.....	5,020.96	4,220	-80
April 30.....	5,020.62	3,500	-720
May 31.....	5,020.26	2,750	-750
June 30.....	5,019.67	1,610	-1,140
July 31.....	5,018.95	750	-860
August 31.....	--	0	-750
September 30.....	--	0	0
WATER YEAR 2004.....	--	--	-3,730

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

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10348800 LITTLE WASHOE LAKE NEAR STEAMBOAT, NV

LOCATION.--Lat 39°19'45", long 119°48'00" referenced to North American Datum of 1927, in NE ¼ NW ¼ 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 mi², includes Washoe Lake.

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 National Geodetic Vertical Datum 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 Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 5,031.8 ft, April 1, 1986; no contents September 13 to December 3, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 5026.6 ft, April 6; minimum observed, 5023.2 ft, October 8.

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND TOTAL CONTENTS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30.....	5,023.4	80	--
October 31.....	5,023.3	73	-7
November 30.....	5,023.8	110	+37
December 31.....	5,025.9	290	+180
CALENDAR YEAR 2003.....	--		+120
January 31.....	5,025.8	280	-10
February 29.....	5,026.4	340	+60
March 31.....	5,026.6	360	+20
April 30.....	5,026.3	330	-30
May 31.....	5,025.6	260	-70
June 30.....	5,024.9	192	-68
July 31.....	5,024.0	125	-67
August 31.....	5,023.4	80	-45
September 30.....	5,022.9	46	-34
WATER YEAR 2004	--	--	-34

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

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10348850 GALENA CREEK AT GALENA CREEK STATE PARK

LOCATION.--Lat 39°21'16", long 119°51'27" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec. 09, 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 mi².

PERIOD OF RECORD.--October 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,320 ft above National Geodetic Vertical Datum of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,610 ft³/s, January 2, 1997, gage height, 5.54 ft, from slope-area measurement of peak flow; minimum daily, 1.6 ft³/s, August 10, 2004.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 40 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 4	1830	*25	*11.17				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	5.8	5.5	6.1	4.9	4.8	7.1	13	12	6.7	4.6	3.4
2	4.5	e6.0	e5.5	7.7	5.0	4.7	6.6	16	12	6.6	4.8	3.5
3	4.0	6.0	5.3	5.5	4.9	4.7	7.0	17	12	6.5	4.9	3.8
4	4.0	e6.0	5.3	5.2	4.8	4.7	8.1	18	12	6.3	4.8	3.8
5	4.1	5.8	6.5	5.2	e4.8	4.7	9.0	18	12	5.8	4.7	3.7
6	4.4	e6.0	6.7	5.2	4.8	4.8	8.8	17	12	5.6	4.8	3.5
7	4.5	5.8	5.5	5.2	4.8	5.0	8.6	17	12	5.6	4.8	3.2
8	4.5	5.8	e6.0	5.2	e4.8	5.3	8.8	16	11	5.5	4.6	2.5
9	4.6	5.9	e6.0	5.2	e4.8	5.6	8.9	16	11	5.7	2.8	2.6
10	4.6	6.1	e6.0	5.2	4.8	5.7	9.1	15	11	5.6	1.6	1.9
11	4.3	e6.0	e6.0	5.2	4.7	5.6	9.3	14	10	5.5	3.5	2.4
12	4.3	6.0	e6.0	5.2	e4.8	5.7	9.7	13	9.6	5.5	4.7	4.1
13	4.3	6.0	5.6	5.2	4.7	5.9	9.6	13	9.4	5.3	4.9	4.2
14	4.5	6.1	e6.0	5.2	4.7	6.2	9.0	14	9.3	5.1	4.7	4.4
15	4.6	6.0	e6.0	5.2	4.8	6.5	8.7	14	9.0	5.0	4.9	4.4
16	4.7	6.4	e6.0	5.1	6.0	6.5	8.2	14	8.8	5.1	5.0	4.3
17	4.5	6.1	5.2	5.1	5.4	6.7	7.7	14	8.8	5.1	4.5	4.3
18	4.5	6.0	5.2	5.1	4.9	7.0	7.3	14	8.7	5.0	4.5	4.6
19	4.8	6.0	5.2	5.0	5.1	7.2	7.0	14	8.4	5.0	4.3	4.9
20	4.7	6.0	5.4	5.0	4.6	7.4	6.9	14	8.0	4.9	4.2	4.9
21	4.7	6.2	5.2	5.0	4.6	8.2	6.9	14	7.8	4.9	4.0	4.4
22	4.7	e6.0	5.3	e5.0	4.6	8.6	6.6	14	7.6	4.8	4.1	4.4
23	4.8	e6.0	5.3	4.8	4.5	8.9	6.8	14	7.3	5.0	4.1	4.3
24	4.9	e6.0	5.7	4.9	4.6	8.4	7.7	13	7.4	5.1	4.0	4.2
25	5.0	e6.0	5.5	4.8	e4.8	7.6	8.7	13	7.2	5.1	3.8	4.3
26	5.0	e6.0	e6.5	4.8	e4.8	7.1	9.8	13	6.7	5.1	4.0	4.4
27	5.0	e6.0	e6.5	4.9	e4.8	6.7	11	14	6.7	5.2	4.0	4.4
28	5.3	6.0	e6.5	4.8	e4.8	6.8	13	13	6.7	5.1	3.9	4.5
29	5.6	5.9	6.9	4.9	4.7	7.4	12	11	6.8	5.0	3.8	4.8
30	5.6	5.5	6.3	5.0	---	7.9	12	12	6.7	4.7	3.7	5.0
31	5.1	---	5.3	4.9	---	7.7	---	12	---	4.7	3.4	---
TOTAL	145.5	179.4	179.9	160.8	140.3	200.0	259.9	444	277.9	166.1	130.4	119.1
MEAN	4.69	5.98	5.80	5.19	4.84	6.45	8.66	14.3	9.26	5.36	4.21	3.97
MAX	5.6	6.4	6.9	7.7	6.0	8.9	13	18	12	6.7	5.0	5.0
MIN	4.0	5.5	5.2	4.8	4.5	4.7	6.6	11	6.7	4.7	1.6	1.9
AC-FT	289	356	357	319	278	397	516	881	551	329	259	236

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	7.04	7.09	6.48	13.2	6.57	7.92	12.9	21.8	24.0	13.7	7.89	6.52
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	4.13	3.86	4.06	5.15	5.04	7.31	4.90	3.59	3.23	3.03
(WY)	(2002)	(2002)	(2003)	(1993)	(1993)	(2002)	(1991)	(1992)	(2001)	(2001)	(2001)	(1991)

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10348850 GALENA CREEK AT GALENA CREEK STATE PARK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	3,074.1		2,403.3			
ANNUAL MEAN	8.42		6.57		11.3	
HIGHEST ANNUAL MEAN					30.2	
LOWEST ANNUAL MEAN					5.21	
HIGHEST DAILY MEAN	57	Jun 1	18	May 4	900	Jan 2, 1997
LOWEST DAILY MEAN	1.2	Feb 7	1.6	Aug 10	1.2	Feb 7, 2003
ANNUAL SEVEN-DAY MINIMUM	2.9	Feb 4	2.8	Sep 5	2.6	Sep 14, 1991
MAXIMUM PEAK FLOW			25	May 4	2,610	Jan 2, 1997
MAXIMUM PEAK STAGE			11.17	May 4	6.47	May 26, 1999
ANNUAL RUNOFF (AC-FT)	6,100		4,770		8,170	
10 PERCENT EXCEEDS	14		12		21	
50 PERCENT EXCEEDS	5.8		5.4		7.2	
90 PERCENT EXCEEDS	4.5		4.3		4.2	

e Estimated

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
 10349300 STEAMBOAT CREEK AT STEAMBOAT, NV

LOCATION (REVISED)--Lat 39°22'37.68", long 119°44'37.17" referenced to North American Datum of 1983, in SE ¼ SW ¼ 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 mi².

PERIOD OF RECORD--October 1961 to current year.

GAGE--Water-stage recorder and concrete control. Elevation of gage is 4,600 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS--No estimated daily discharges. Records fair except period September 1-20, which are poor due to a leak in the control. Many diversions for irrigation above station. Flow partly regulated by Washoe Lake (station 10348700). See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 3,600 ft³/s, February 17, 1986, gage height, 6.79 ft, from rating curve extended above 954 ft³/s, on basis of slope-area measurement of peak flow; no flow, September 9-15, 1977.

EXTREMES FOR CURRENT YEAR--Maximum discharge, 47 ft³/s, February 25, gage height, 2.00 ft; minimum daily discharge, 0.00 ft³/s, September 2, 3, 4.

DISCHARGE, CUBIC FEET PER SECOND
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.60	1.3	1.5	7.8	4.7	6.6	4.7	6.2	8.1	2.3	0.28	0.02
2	0.68	1.5	1.4	6.3	5.0	8.4	6.4	7.8	8.7	2.2	0.24	0.00
3	0.73	1.8	1.3	5.9	5.3	7.6	6.4	7.9	8.4	2.2	0.24	0.00
4	0.80	1.9	1.2	4.7	4.9	8.6	6.8	9.2	8.6	2.2	0.27	0.00
5	0.87	2.3	1.2	4.4	4.9	8.0	6.1	14	7.3	2.0	0.27	0.03
6	0.91	2.1	1.3	5.3	5.0	6.7	7.9	14	5.1	1.8	0.17	0.02
7	1.0	1.9	1.6	6.1	5.3	6.3	10	12	5.7	1.4	0.16	0.02
8	0.90	2.6	1.4	6.1	5.1	6.9	11	12	7.5	1.6	0.24	0.05
9	0.85	3.7	1.2	5.4	5.0	6.7	8.4	11	11	1.6	0.23	0.10
10	1.1	3.2	1.9	5.2	4.9	6.6	9.9	11	8.6	1.3	0.17	0.15
11	1.1	2.1	1.8	5.2	4.9	6.3	8.0	12	7.5	1.3	0.14	0.05
12	1.2	2.0	1.6	5.0	4.7	6.4	6.6	13	6.3	0.91	0.10	0.02
13	1.2	1.9	1.7	5.0	4.9	6.2	6.3	11	5.2	0.74	0.14	0.03
14	1.3	1.7	2.6	4.9	4.8	5.7	5.4	9.6	4.7	0.82	0.18	0.06
15	0.96	1.7	2.1	4.8	4.8	6.1	6.4	11	4.4	0.81	0.27	0.06
16	0.81	1.6	2.0	4.9	5.7	6.8	5.4	8.7	3.5	0.60	0.31	0.08
17	0.85	1.6	2.0	5.0	7.9	7.6	4.1	8.5	3.9	0.77	0.25	0.08
18	0.75	1.6	2.1	5.0	9.4	6.1	4.8	7.9	3.9	0.88	0.20	0.08
19	0.70	1.4	2.2	5.0	6.3	2.7	4.3	9.9	4.0	0.89	0.24	0.16
20	0.88	1.4	2.4	5.2	5.8	2.6	4.2	11	2.9	0.87	0.27	0.35
21	0.95	1.3	2.6	5.1	5.8	4.6	4.3	9.8	2.5	0.84	0.26	0.31
22	0.78	1.5	2.3	4.8	6.0	5.0	4.4	9.9	2.7	0.65	0.11	0.35
23	0.86	1.4	2.3	4.9	5.6	5.6	3.7	9.1	2.7	0.52	0.12	0.39
24	0.94	1.5	4.0	5.7	6.0	5.1	3.7	6.5	2.2	0.46	0.10	0.23
25	0.91	1.6	4.5	5.1	16	4.5	3.4	6.5	2.1	0.45	0.06	0.19
26	0.84	1.5	3.3	4.8	12	5.1	3.9	7.9	2.1	0.36	0.07	0.14
27	0.89	1.4	2.6	5.2	9.8	6.0	4.8	9.4	2.3	0.42	0.18	0.13
28	0.99	1.3	2.6	5.0	7.6	5.1	6.4	11	2.2	0.36	0.14	0.13
29	0.97	1.2	5.4	4.9	6.1	4.5	7.3	11	2.2	0.28	0.11	0.16
30	1.0	1.5	4.9	4.9	---	4.3	6.1	8.8	2.2	0.24	0.11	0.24
31	1.2	---	4.5	4.6	---	4.2	---	8.7	---	0.31	0.12	---
TOTAL	28.52	53.5	73.5	162.2	184.2	182.9	181.1	306.3	148.5	32.08	5.75	3.63
MEAN	0.92	1.78	2.37	5.23	6.35	5.90	6.04	9.88	4.95	1.03	0.19	0.12
MAX	1.3	3.7	5.4	7.8	16	8.6	11	14	11	2.3	0.31	0.39
MIN	0.60	1.2	1.2	4.4	4.7	2.6	3.4	6.2	2.1	0.24	0.06	0.00
AC-FT	57	106	146	322	365	363	359	608	295	64	11	7.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2004, BY WATER YEAR (WY)

MEAN	7.24	8.81	12.2	21.2	27.1	28.3	26.2	30.9	36.9	20.6	10.5	7.94
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	0.07	1.12	2.23	3.04	2.20	2.23	1.61	0.68	0.61	0.21	0.01	0.01
(WY)	(2002)	(1991)	(1991)	(1962)	(1991)	(2001)	(1988)	(1992)	(1992)	(1988)	(2001)	(2001)

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10349300 STEAMBOAT CREEK AT STEAMBOAT, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1962 - 2004	
ANNUAL TOTAL	1,435.96		1,362.18			
ANNUAL MEAN	3.93		3.72		19.8	
HIGHEST ANNUAL MEAN					115	1983
LOWEST ANNUAL MEAN					1.92	1992
HIGHEST DAILY MEAN	33	May 29	16	Feb 25	1,220	Feb 17, 1986
LOWEST DAILY MEAN	0.09	Aug 20	0.00	Sep 2	0.00	Sep 9, 1977
ANNUAL SEVEN-DAY MINIMUM	0.17	Aug 14	0.01	Sep 1	0.00	Sep 9, 1977
MAXIMUM PEAK FLOW			47	Feb 25	3,600	Feb 17, 1986
MAXIMUM PEAK STAGE			2.00	Feb 25	6.79	Feb 17, 1986
ANNUAL RUNOFF (AC-FT)	2,850		2,700		14,320	
10 PERCENT EXCEEDS	7.8		8.4		61	
50 PERCENT EXCEEDS	2.0		2.6		5.9	
90 PERCENT EXCEEDS	0.60		0.17		1.0	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10349495 STEAMBOAT CREEK AT GEIGER GRADE NEAR STEAMBOAT, NV

LOCATION (REVISED)--Lat 39°24'08.29", long 119°44'37.61" referenced to North American Datum of 1983, in NE ¼ NW ¼ sec. 28, T.18 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on left bank 0.1 mi east of the junction of State Route 341 (Geiger Grade) and U.S. 395 near Steamboat.

DRAINAGE AREA.-- 140 mi², 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 National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Many diversions for irrigation above station. Flow partly regulated by Washoe Lake (station 10348700). See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 135 ft³/s, June 19, 1982; no flow June 21, 29, 30, July 1, 9-23, 2003.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum daily discharge, 3,600 ft³/s, February 17, 1986, from slope-area determination in vicinity of present gage.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 36 ft³/s, February 25, gage height, 8.13 ft; minimum daily discharge, 0.00 ft³/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.12	0.17	0.32	4.6	2.3	0.60	3.9	0.53	0.11	0.02	0.03	0.09
2	0.13	0.16	0.31	3.3	2.8	1.5	5.6	0.20	0.05	0.02	0.05	0.14
3	0.14	0.17	0.28	2.9	3.2	1.3	5.7	0.17	0.03	0.01	0.03	0.13
4	0.14	0.18	0.27	1.9	3.1	2.2	6.3	0.10	0.02	0.00	0.02	0.13
5	0.14	0.18	0.24	1.7	3.1	2.3	5.5	0.36	0.02	0.00	0.02	0.11
6	0.16	0.17	0.25	2.1	3.2	1.9	6.6	0.43	0.20	0.04	0.02	0.13
7	0.15	0.17	0.26	2.3	3.0	1.4	9.5	0.15	0.25	0.07	0.02	0.10
8	0.15	0.18	0.25	2.6	2.6	1.7	11	0.25	0.32	0.10	0.01	0.10
9	0.14	0.23	0.24	2.1	2.7	1.7	8.5	0.29	0.51	0.10	0.01	0.15
10	0.14	0.23	0.32	1.9	2.3	1.7	6.8	0.48	0.42	0.11	0.01	0.38
11	0.15	0.22	0.38	1.9	2.4	1.7	0.68	0.66	0.17	0.11	0.01	1.4
12	0.15	0.22	0.37	1.7	2.3	1.8	0.48	1.1	0.14	0.14	0.00	2.9
13	0.15	0.25	0.30	1.7	2.2	2.0	0.43	0.36	0.10	0.10	0.00	0.32
14	0.15	0.25	0.50	1.6	2.3	1.9	0.39	0.18	0.09	0.09	0.02	0.22
15	0.15	0.24	0.33	1.6	2.3	2.3	0.36	0.34	0.15	0.10	0.04	0.23
16	0.14	0.22	0.31	1.5	2.5	2.6	0.35	0.11	0.35	0.10	0.03	0.27
17	0.14	0.23	0.33	1.4	4.9	3.5	0.35	0.07	0.33	0.10	0.03	0.28
18	0.14	0.27	0.39	1.5	3.2	3.2	0.35	0.05	0.31	0.11	0.01	0.23
19	0.14	0.28	0.44	1.4	0.61	1.8	0.33	0.05	0.28	0.12	0.01	0.28
20	0.14	0.31	0.52	1.4	0.49	1.6	0.28	0.07	0.21	0.10	0.01	0.31
21	0.15	0.35	0.70	1.3	0.53	3.4	0.27	0.07	0.17	0.10	0.02	0.19
22	0.14	0.37	0.68	1.2	0.85	4.0	0.27	0.07	0.11	0.06	0.01	0.11
23	0.14	0.36	0.72	1.2	1.8	4.7	0.27	0.06	0.13	0.02	0.00	0.09
24	0.14	0.34	1.2	1.5	2.9	4.5	0.24	0.06	0.16	0.01	0.00	0.08
25	0.14	0.33	1.6	1.4	10	3.5	0.23	0.06	0.14	0.00	0.00	0.07
26	0.14	0.31	1.1	1.3	3.1	4.2	0.26	0.13	0.15	0.00	0.00	0.07
27	0.14	0.30	0.87	1.7	1.1	5.3	0.26	0.16	0.13	0.00	0.00	0.06
28	0.14	0.33	0.71	2.2	0.64	4.7	0.27	0.19	0.22	0.01	0.03	0.06
29	0.15	0.27	1.4	2.3	0.51	4.0	1.3	0.23	0.12	0.02	0.59	0.06
30	0.15	0.35	2.0	2.3	---	3.9	13	0.22	0.06	0.01	2.2	0.06
31	0.16	---	1.5	2.4	---	3.8	---	0.19	---	0.02	0.08	---
TOTAL	4.45	7.64	19.09	59.9	72.93	84.70	89.77	7.39	5.45	1.79	3.31	8.75
MEAN	0.14	0.25	0.62	1.93	2.51	2.73	2.99	0.24	0.18	0.06	0.11	0.29
MAX	0.16	0.37	2.0	4.6	10	5.3	13	1.1	0.51	0.14	2.2	2.9
MIN	0.12	0.16	0.24	1.2	0.49	0.60	0.23	0.05	0.02	0.00	0.00	0.06
AC-FT	8.8	15	38	119	145	168	178	15	11	3.6	6.6	17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004, BY WATER YEAR (WY)

MEAN	0.36	1.03	2.38	2.62	2.82	2.85	2.18	15.7	17.9	13.6	3.06	3.75
MAX	0.62	1.76	3.75	3.68	3.50	3.56	2.99	61.2	88.8	67.2	14.5	16.7
(WY)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(1982)	(1982)	(1982)	(1982)	(1982)
MIN	0.14	0.25	0.62	1.93	2.45	2.26	0.83	0.24	0.04	0.01	0.07	0.20
(WY)	(2004)	(2004)	(2004)	(2004)	(2002)	(2002)	(2002)	(2004)	(2003)	(2003)	(2003)	(2003)

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10349495 STEAMBOAT CREEK AT GEIGER GRADE NEAR STEAMBOAT, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1982 - 2004	
ANNUAL TOTAL	470.13		365.17			
ANNUAL MEAN	1.29		1.00		1.27	
HIGHEST ANNUAL MEAN					1.69	
LOWEST ANNUAL MEAN					1.00	
HIGHEST DAILY MEAN	5.7	Apr 13	13	Apr 30	135	Jun 19, 1982
LOWEST DAILY MEAN	0.00	Jun 21	0.00	Jul 4	0.00	Jun 21, 2003
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 9	0.00	Aug 21	0.00	Jul 9, 2003
MAXIMUM PEAK FLOW			36	Feb 25	135	Jun 19, 1982
MAXIMUM PEAK STAGE			8.13	Feb 25	8.02	Dec 16, 2002
ANNUAL RUNOFF (AC-FT)	933		724		918	
10 PERCENT EXCEEDS	3.6		2.9		3.4	
50 PERCENT EXCEEDS	0.25		0.26		0.38	
90 PERCENT EXCEEDS	0.02		0.02		0.03	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10349849 STEAMBOAT CREEK AT SHORT LANE AT RENO, NV

LOCATION.--Lat 39°27'57", long 119°43'39" referenced to North American Datum of 1927, in NE ¼ SW ¼ 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 National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Many diversions for irrigation above station. Flow partly regulated by Washoe Lake (station 10348700). See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes. 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 ft³/s, June 20, 1982; minimum daily, 1.3 ft³/s, July 29-30, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 50 ft³/s, February 26, gage height, 2.56 ft; minimum daily discharge, 1.3 ft³/s, July 29, 30.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	3.8	5.2	13	9.8	13	9.5	16	7.8	3.2	1.9	2.2
2	2.9	4.0	6.0	14	11	19	10	11	6.1	3.4	1.9	2.0
3	3.1	4.2	6.1	12	11	19	11	11	6.1	3.0	1.8	2.6
4	3.2	3.8	5.7	10	11	18	12	12	7.5	2.7	1.6	2.8
5	3.2	4.2	6.4	9.6	11	19	11	11	6.4	2.3	1.7	2.7
6	3.3	4.2	6.1	10	11	14	9.6	8.5	6.6	3.3	1.9	2.7
7	3.2	4.5	6.9	12	11	12	9.5	9.2	6.6	2.1	2.2	2.6
8	3.2	4.4	6.5	13	11	12	6.5	11	6.7	1.9	2.1	2.6
9	3.0	5.5	6.0	12	11	12	7.5	13	15	2.0	2.0	2.6
10	2.7	5.7	7.5	11	10	11	8.8	13	23	2.0	2.0	2.4
11	3.3	4.9	7.6	12	9.9	9.5	8.9	17	12	1.7	1.9	2.8
12	3.4	5.0	7.4	12	10	10	7.6	17	7.3	2.0	1.8	3.2
13	3.4	5.3	7.2	12	9.8	10	6.7	16	7.4	2.1	1.9	2.7
14	3.5	6.0	8.7	11	10	10	6.9	13	8.0	2.1	1.8	2.5
15	3.2	5.3	8.8	12	10	10	7.2	11	6.6	1.8	2.0	2.9
16	3.1	5.4	7.3	12	11	10	7.3	11	7.8	1.7	2.2	2.6
17	3.1	5.6	6.2	11	13	11	8.4	9.7	6.9	1.7	2.5	2.8
18	3.2	5.3	6.2	10	13	12	7.7	8.7	6.0	1.7	2.7	3.7
19	3.3	4.8	6.7	10	12	11	7.7	8.4	4.7	1.4	2.3	4.2
20	3.3	4.7	7.0	12	11	8.3	7.4	8.0	3.7	1.8	2.1	4.7
21	3.3	4.3	8.2	12	10	8.6	8.3	8.8	4.5	1.8	1.9	4.7
22	3.5	4.6	7.5	10	11	9.7	7.0	9.5	3.7	1.8	2.1	4.1
23	3.5	4.2	7.1	9.5	11	10	7.2	9.5	2.6	1.7	2.7	3.6
24	3.4	4.4	7.9	11	12	10	7.5	8.2	2.2	1.8	2.5	3.4
25	3.5	4.4	9.8	11	18	9.3	6.5	7.0	2.3	1.7	2.1	2.9
26	3.5	5.1	8.7	9.9	30	9.6	5.7	5.6	1.9	1.6	1.8	2.6
27	3.6	5.2	7.2	10	18	10	5.5	4.8	2.0	1.5	1.7	2.4
28	3.6	5.4	6.4	11	15	11	5.6	6.0	3.0	1.5	2.0	2.4
29	3.4	5.4	7.6	11	13	9.9	5.5	9.3	3.5	1.3	2.6	2.3
30	3.2	5.3	13	11	---	9.5	18	11	3.0	1.3	3.4	2.3
31	3.4	---	10	10	---	9.7	---	16	---	1.4	2.8	---
TOTAL	101.6	144.9	228.9	347.0	355.5	358.1	248.0	331.2	190.9	61.3	65.9	88.0
MEAN	3.28	4.83	7.38	11.2	12.3	11.6	8.27	10.7	6.36	1.98	2.13	2.93
MAX	3.6	6.0	13	14	30	19	18	17	23	3.4	3.4	4.7
MIN	2.7	3.8	5.2	9.5	9.8	8.3	5.5	4.8	1.9	1.3	1.6	2.0
AC-FT	202	287	454	688	705	710	492	657	379	122	131	175

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004, BY WATER YEAR (WY)

MEAN	5.07	7.92	12.7	12.8	13.0	12.0	8.51	22.1	26.8	18.6	7.37	10.5
MAX	8.43	11.1	15.2	14.0	16.4	15.8	10.4	74.1	103	82.6	24.2	34.6
(WY)	(2001)	(2001)	(2002)	(2003)	(2001)	(2001)	(2002)	(1982)	(1982)	(1982)	(1982)	(1982)
MIN	3.28	4.83	7.38	11.2	10.9	9.21	7.55	6.49	3.09	1.98	2.13	2.93
(WY)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2001)	(2001)	(2004)	(2004)	(2004)

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10349849 STEAMBOAT CREEK AT SHORT LANE AT RENO, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1982 - 2004	
ANNUAL TOTAL	2,848.6		2,521.3			
ANNUAL MEAN	7.80		6.89		8.25	
HIGHEST ANNUAL MEAN					8.93 2003	
LOWEST ANNUAL MEAN					6.89 2004	
HIGHEST DAILY MEAN	31	Jun 7	30	Feb 26	149	Jun 20, 1982
LOWEST DAILY MEAN	1.5	Jul 31	1.3	Jul 29	1.3	Jul 29, 2004
ANNUAL SEVEN-DAY MINIMUM	1.9	Jul 26	1.5	Jul 25	1.5	Jul 25, 2004
MAXIMUM PEAK FLOW			50	Feb 26	149	Jun 20, 1982
MAXIMUM PEAK STAGE			2.56	Feb 26	3.03	Dec 16, 2002
ANNUAL RUNOFF (AC-FT)	5,650		5,000		5,970	
10 PERCENT EXCEEDS	13		12		14	
50 PERCENT EXCEEDS	6.9		6.3		7.6	
90 PERCENT EXCEEDS	3.2		2.0		2.5	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10349980 STEAMBOAT CREEK AT CLEANWATER WAY NEAR RENO, NV

LOCATION.--Lat 39°30'47", long 119°42'41" referenced to North American Datum of 1927, in SW ¼ NW ¼ 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 mi²

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 National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Many diversions for irrigation above station. Flow partly regulated by Washoe Lake (station 10348700), Steamboat Ditch, and other municipal ponds. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,590 ft³/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 ft³/s, August 21, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 274 ft³/s, February 25, gage height, 7.15 ft; minimum daily discharge, 9.0 ft³/s, October 17.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	15	19	e20	22	51	32	32	32	17	24	22
2	16	15	18	e20	23	106	33	33	23	17	19	21
3	16	15	18	e20	29	87	35	31	16	19	22	21
4	17	15	18	e20	25	69	36	33	16	18	23	24
5	16	15	19	e23	25	70	35	31	18	21	20	23
6	14	17	18	e25	27	64	33	27	17	19	19	22
7	15	17	21	e28	28	53	33	28	19	18	19	22
8	15	17	20	e28	28	48	27	26	20	15	18	22
9	13	27	18	e26	27	45	28	37	35	15	16	20
10	12	24	24	26	28	43	25	31	43	17	14	23
11	14	21	28	25	26	37	24	64	33	18	14	23
12	13	18	25	23	26	39	22	42	26	24	13	23
13	11	18	23	22	26	41	21	39	27	18	29	20
14	12	21	59	22	26	41	20	39	26	15	19	24
15	11	19	38	21	27	39	23	38	23	17	26	26
16	10	19	e23	20	28	38	19	36	22	21	27	23
17	9.0	18	e20	20	34	40	17	32	23	29	19	24
18	9.6	18	e20	21	31	42	18	32	23	29	20	26
19	9.8	21	e20	19	28	41	18	30	22	31	20	29
20	15	19	e20	41	27	35	19	28	19	25	20	33
21	9.4	16	e20	35	27	39	21	29	17	23	21	37
22	9.3	16	e20	28	33	41	20	33	20	26	20	32
23	10	15	e20	22	30	45	20	34	17	25	22	21
24	9.8	15	e20	22	29	43	19	32	16	25	26	16
25	9.6	15	e20	23	113	40	18	30	16	27	27	13
26	9.4	17	e20	21	124	39	17	30	16	26	23	11
27	10	17	e20	22	62	39	16	25	17	27	23	10
28	16	17	e20	24	45	38	17	28	19	27	24	11
29	19	19	e20	23	39	34	19	33	19	25	26	11
30	17	19	e20	24	---	34	30	34	15	26	24	10
31	15	---	e20	23	---	33	---	37	---	25	25	---
TOTAL	398.9	535	689	737	1,043	1,454	715	1,034	655	685	662	643
MEAN	12.9	17.8	22.2	23.8	36.0	46.9	23.8	33.4	21.8	22.1	21.4	21.4
MAX	19	27	59	41	124	106	36	64	43	31	29	37
MIN	9.0	15	18	19	22	33	16	25	15	15	13	10
AC-FT	791	1,060	1,370	1,460	2,070	2,880	1,420	2,050	1,300	1,360	1,310	1,280

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	32.5	31.4	42.7	44.5	60.4	71.8	58.3	83.6	72.9	48.4	37.1	41.4
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	23.8	27.6	29.3	22.6	31.2	21.7	7.11	1.82	2.11
(WY)	(1995)	(1995)	(1995)	(2004)	(1994)	(2003)	(1993)	(2002)	(1994)	(1994)	(1994)	(1994)

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10349980 STEAMBOAT CREEK AT CLEANWATER WAY NEAR RENO, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	11,373.9		9,250.9			
ANNUAL MEAN	31.2		25.3		49.4	
HIGHEST ANNUAL MEAN					94.2	
LOWEST ANNUAL MEAN					22.5	
HIGHEST DAILY MEAN	71	Aug 22	124	Feb 26	1,140	Mar 11, 1995
LOWEST DAILY MEAN	9.0	Oct 17	9.0	Oct 17	0.63	Aug 21, 1994
ANNUAL SEVEN-DAY MINIMUM	9.6	Oct 21	9.6	Oct 21	0.93	Aug 15, 1994
MAXIMUM PEAK FLOW			274	Feb 25	1,590	Mar 10, 1995
MAXIMUM PEAK STAGE			7.15	Feb 25	21.90	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	22,560		18,350		35,770	
10 PERCENT EXCEEDS	46		38		104	
50 PERCENT EXCEEDS	31		22		35	
90 PERCENT EXCEEDS	16		15		17	

e Estimated

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10350000 TRUCKEE RIVER AT VISTA, NV

LOCATION.--Lat 39°31'14", long 119°42'00" referenced to North American Datum of 1927, in SW ¼ SE ¼ 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.--1,431 mi².

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 National Geodetic Vertical Datum 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 Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,900 ft³/s, February 1, 1963, gage height, 16.76 ft, maximum gage height, 24.16 ft, January 2, 1997; minimum daily, 7.0 ft³/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 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,280 ft³/s, March 24, gage height, 6.36 ft; minimum daily discharge, 97 ft³/s, September 30.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	418	445	256	471	264	485	808	657	756	396	410	258
2	358	370	247	406	279	598	778	701	767	392	419	267
3	363	378	288	428	279	491	777	776	728	362	395	259
4	350	418	312	379	283	450	807	848	661	354	375	278
5	347	529	250	318	265	463	865	903	554	405	385	255
6	396	523	196	354	264	459	903	855	511	399	337	281
7	361	486	440	361	273	471	853	883	559	345	344	325
8	352	485	366	366	264	489	835	915	469	322	338	296
9	348	497	361	363	265	502	837	908	459	347	351	305
10	346	473	404	376	257	558	800	912	471	306	326	328
11	366	437	394	379	265	639	783	974	406	304	306	316
12	372	424	364	367	252	655	792	882	377	400	297	316
13	380	403	326	323	253	686	813	823	370	350	333	336
14	376	413	420	295	256	698	780	836	422	340	321	358
15	358	420	293	295	252	768	742	795	466	322	369	342
16	319	417	253	290	264	829	689	797	336	303	436	410
17	311	407	248	287	494	896	692	784	300	373	361	515
18	307	408	243	289	557	909	666	799	325	339	298	520
19	308	403	243	284	494	973	641	723	320	374	268	513
20	329	396	281	340	488	1,010	698	742	326	357	277	529
21	326	401	314	310	462	1,030	692	789	407	368	288	517
22	317	375	282	285	448	1,110	744	839	418	354	276	493
23	326	381	270	272	430	1,210	716	856	382	373	301	451
24	312	385	329	272	411	1,220	698	846	363	371	332	242
25	307	375	442	284	662	1,130	734	705	344	378	268	195
26	321	368	382	271	767	1,050	783	613	328	400	255	136
27	326	367	304	266	595	892	827	599	349	374	263	160
28	336	361	281	282	515	843	853	820	415	367	279	133
29	351	358	332	271	469	834	777	761	443	368	286	99
30	347	303	364	272	---	869	665	696	378	370	291	97
31	431	---	411	262	---	848	---	727	---	384	272	---
TOTAL	10,765	12,406	9,896	10,018	11,027	24,065	23,048	24,764	13,410	11,197	10,057	9,530
MEAN	347	414	319	323	380	776	768	799	447	361	324	318
MAX	431	529	442	471	767	1,220	903	974	767	405	436	529
MIN	307	303	196	262	252	450	641	599	300	303	255	97
AC-FT	21,350	24,610	19,630	19,870	21,870	47,730	45,720	49,120	26,600	22,210	19,950	18,900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1899 - 2004, BY WATER YEAR (WY)

MEAN	430	553	670	756	896	1,016	1,306	1,683	1,206	532	352	382
MAX	1,304	2,650	3,705	6,858	4,066	5,420	4,979	5,643	5,740	3,007	1,476	1,529
(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)

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
 10350000 TRUCKEE RIVER AT VISTA, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1899 - 2004	
ANNUAL TOTAL	182,516		170,183			
ANNUAL MEAN	500		465		815	
HIGHEST ANNUAL MEAN					2,786	1983
LOWEST ANNUAL MEAN					158	1992
HIGHEST DAILY MEAN	1,440	May 30	1,220	Mar 24	17,400	Feb 1, 1963
LOWEST DAILY MEAN	196	Dec 6	97	Sep 30	7.0	Aug 26, 1935
ANNUAL SEVEN-DAY MINIMUM	247	Aug 11	152	Sep 24	9.7	Aug 21, 1935
MAXIMUM PEAK FLOW			1,280	Mar 24	18,900	Feb 1, 1963
MAXIMUM PEAK STAGE			6.36	Mar 24	24.16	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	362,000		337,600		590,800	
10 PERCENT EXCEEDS	871		824		1,840	
50 PERCENT EXCEEDS	408		378		500	
90 PERCENT EXCEEDS	300		268		199	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10350340 TRUCKEE RIVER NEAR TRACY, NV

LOCATION.--Lat 39°33'24", long 119°33'08" referenced to North American Datum of 1927, in NE ¼ SE ¼ 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 power plant, 11.5 mi east of Sparks and at mi 42.75 upstream from Marble Bluff Dam.

DRAINAGE AREA.--1,580 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 4,300 ft above National Geodetic Vertical Datum 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.--No estimated daily discharges. Records fair. 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 Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,980 ft³/s, March 24, 1998, gage height, 13.60 ft; minimum daily, 85 ft³/s, September 30, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,340 ft³/s, March 24, gage height, 8.72 ft; minimum daily discharge, 85 ft³/s, September 30.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	432	458	298	443	286	476	832	655	768	362	415	266
2	374	393	285	438	293	603	797	703	774	370	418	277
3	369	387	307	422	305	519	795	774	736	370	410	265
4	368	411	352	391	304	456	823	849	684	357	399	288
5	365	525	304	356	290	458	880	908	600	378	405	265
6	394	543	226	363	285	460	931	872	555	390	368	280
7	391	503	397	380	288	470	884	872	581	362	376	327
8	376	490	428	379	285	489	862	936	522	345	367	319
9	361	513	366	378	283	500	861	913	500	364	380	311
10	365	491	416	386	277	553	823	922	514	344	350	339
11	379	455	413	389	282	631	802	977	452	353	314	334
12	393	438	391	384	271	658	802	913	431	401	299	332
13	393	420	362	354	264	694	824	838	421	386	327	342
14	394	422	415	328	269	709	799	851	451	365	332	373
15	381	429	344	317	268	773	750	815	492	363	347	364
16	351	430	284	316	266	844	692	814	394	340	404	386
17	334	422	278	310	435	912	696	785	362	369	354	503
18	333	420	273	313	565	930	670	801	362	367	312	526
19	331	419	264	312	506	989	629	736	359	380	286	537
20	352	408	285	355	488	1,030	692	735	346	383	293	566
21	350	417	352	338	462	1,060	687	779	386	385	298	566
22	344	404	314	315	452	1,140	738	820	389	387	287	512
23	351	390	299	300	438	1,250	721	828	367	399	302	490
24	342	399	317	289	412	1,280	693	819	349	401	333	277
25	334	396	444	304	578	1,170	726	701	329	405	293	205
26	344	386	407	299	825	1,110	781	640	313	421	267	133
27	349	389	344	282	614	932	822	623	329	403	270	142
28	354	386	294	302	533	869	859	814	363	399	294	136
29	370	386	342	296	477	851	798	821	396	397	288	96
30	367	354	374	294	---	885	674	736	376	401	305	85
31	422	---	403	283	---	881	---	744	---	398	292	---
TOTAL	11,363	12,884	10,578	10,616	11,301	24,582	23,343	24,994	13,901	11,745	10,385	9,842
MEAN	367	429	341	342	390	793	778	806	463	379	335	328
MAX	432	543	444	443	825	1,280	931	977	774	421	418	566
MIN	331	354	226	282	264	456	629	623	313	340	267	85
AC-FT	22,540	25,560	20,980	21,060	22,420	48,760	46,300	49,580	27,570	23,300	20,600	19,520

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	457	469	512	531	756	1,199	1,311	1,500	1,198	610	419	469
MAX	693	606	958	904	2,345	2,507	2,266	3,098	3,296	1,463	632	718
(WY)	(1999)	(1999)	(1999)	(1999)	(1999)	(1997)	(1998)	(1999)	(1998)	(1998)	(1998)	(1998)
MIN	367	400	328	342	377	437	487	395	414	339	252	328
(WY)	(2004)	(2002)	(2003)	(2004)	(2002)	(2002)	(2001)	(2001)	(2001)	(2002)	(2002)	(2004)

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10350340 TRUCKEE RIVER NEAR TRACY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	186,017		175,534			
ANNUAL MEAN	510		480		758	
HIGHEST ANNUAL MEAN					1,387	1999
LOWEST ANNUAL MEAN					471	2001
HIGHEST DAILY MEAN	1,430	May 30	1,280	Mar 24	5,220	Mar 24, 1998
LOWEST DAILY MEAN	226	Dec 6	85	Sep 30	85	Sep 30, 2004
ANNUAL SEVEN-DAY MINIMUM	279	Aug 11	153	Sep 24	126	Dec 7, 2002
MAXIMUM PEAK FLOW			1,340	Mar 24	6,980	Mar 24, 1998
MAXIMUM PEAK STAGE			8.72	Mar 24	13.60	Mar 24, 1998
ANNUAL RUNOFF (AC-FT)	369,000		348,200		549,300	
10 PERCENT EXCEEDS	904		824		1,490	
50 PERCENT EXCEEDS	408		393		496	
90 PERCENT EXCEEDS	325		288		343	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10350500 TRUCKEE RIVER AT CLARK, NV—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	2,6-Diethyl-aniline water fltrd 0.7u GF (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	^a alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF (82686)	Ben-flur-alin, water, fltrd 0.7u GF (82673)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd 0.7u GF (82680)	Carbo-furan, water, fltrd 0.7u GF (82674)	Chlor-pyrifos water, fltrd, ug/L (38933)
OCT 20...	<.006	<.006	<.006	<.004	<.005	92.2	E.004t	<.050	<.010	<.002	E.006t	<.020	<.005
DEC 12...	<.006	<.006	<.006	<.005	<.005	92.8	E.006n	<.050	<.010	<.004	E.013t	<.020	<.005
FEB 25...	<.006	<.006	<.006	<.005	<.005	96.0	<.007	<.050	<.010	<.004	E.007t	<.020	<.005
APR 19...	<.006	<.006	<.006	<.005	<.005	101	<.007	<.050	<.010	<.004	<.041	<.020	<.005
MAY 13...	<.006	<.006	<.006	<.005	<.005	92.7	<.007	<.050	<.010	<.004	E.015t	<.020	<.005
JUN 17...	<.006	<.006	<.006	<.005	<.005	101	<.007	<.050	<.010	<.004	<.041	<.040	<.005
JUL 20...	<.006	<.006	<.006	<.005	<.005	102	<.007	<.050	<.010	<.004	E.007t	<.020	<.005
AUG 09...	<.006	<.006	<.006	<.005	<.005	82.5	<.007	<.050	<.010	<.004	<.041	<.020	<.005
09...	.098	E.041	.133	.127	.104	87.6	.120	E.102	.089	.110	E.110	E.170	.111
Date	cis-Per-methrin water fltrd 0.7u GF (82687)	Cyana-zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF (82682)	Desulf-inyl fipronil, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)	^a Diazi-non-d10 surrog, wat flt 0.7u GF percent recovry (91063)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF (82677)	EPTC, water, fltrd 0.7u GF (82668)	Ethal-flur-alin, water, fltrd 0.7u GF (82663)	Etho-prop, water, fltrd 0.7u GF (82672)	Desulf-inyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)
OCT 20...	<.006	<.018	<.003	<.004	<.005	97.4	<.005	<.02	<.002	<.009	<.005	<.009	<.005
DEC 12...	<.006	<.018	E.003n	<.012	<.005	133	<.009	<.02	<.004	<.009	<.005	<.029	<.013
FEB 25...	<.006	<.018	<.003	<.012	<.005	115	<.009	<.02	<.004	<.009	<.005	<.029	<.013
APR 19...	<.006	<.018	.004	<.012	<.005	116	<.009	<.02	<.004	<.009	<.005	<.029	<.013
MAY 13...	<.006	<.018	.005	<.012	<.005	115	<.009	<.02	<.004	<.009	<.005	<.029	<.013
JUN 17...	<.006	<.018	<.003	<.012	<.005	122	<.009	<.02	<.004	<.009	<.005	<.029	<.013
JUL 20...	<.006	<.018	<.003	<.012	<.005	117	<.009	<.02	<.004	<.009	<.005	<.029	<.013
AUG 09...	<.006	<.018	<.003	<.012	<.005	104	<.009	<.02	<.004	<.009	<.005	<.029	<.013
09...	.059	.134	.112	.126	.121	110	.120	.05	.100	.112	.125	E.148	.124
Date	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF (82671)	Naprop-amide, water, fltrd 0.7u GF (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)
OCT 20...	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
DEC 12...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
FEB 25...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
APR 19...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
MAY 13...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
JUN 17...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
JUL 20...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
AUG 09...	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
09...	.120	E.192	.116	.108	E.038	.115	.101	.128	.088	.115	.132	.065	.117

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
 10350500 TRUCKEE RIVER AT CLARK, NV—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Peb- ulate, water, fltrd 0.7u GF (82669)	Pendi- meth- alin, water, fltrd 0.7u GF (82683)	Phorate water fltrd 0.7u GF (82664)	Prome- ton, water, fltrd, ug/L (04037)	Propy- zamide, water, fltrd 0.7u GF (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF (82679)	Propar- gite, water, fltrd 0.7u GF (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF (82670)	Terba- cil, water, fltrd 0.7u GF (82665)	Terbu- fos, water, fltrd 0.7u GF (82675)	Thio- bencarb water fltrd 0.7u GF (82681)
OCT 20...	<.004	<.022	<.011	Mt	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005
DEC 12...	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010
FEB 25...	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.016	<.02	<.034	<.02	<.010
APR 19...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010
MAY 13...	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010
JUN 17...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	.010	<.02	<.034	<.02	<.010
JUL 20...	<.004	<.022	<.011	E0.0048	<.007	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010
AUG 09...	<.004	<.022	<.011	<.01	<.005	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010
09...	.112	.110	.093	.12	.117	.131	.146	E.19	.114	.14	E.140	.08	.125

Date	Tri- allate, water, fltrd 0.7u GF (82678)	Tri- flur- alin, water, fltrd 0.7u GF (82661)	Suspnd. sedi- ment, sieve diametr <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT 20...	<.002	<.009	80	7	6.6
DEC 12...	<.002	<.009	96	7	7.1
FEB 25...	<.002	<.009	95	17	18
APR 19...	<.002	<.009	98	12	21
MAY 13...	<.002	<.009	94	12	29
JUN 17...	<.002	<.009	88	6	6.0
JUL 20...	<.002	<.009	84	7	6.7
AUG 09...	<.002	<.009	82	7	6.2
09...	.116	.091	--	--	--

Remark codes used in this table:

< -- Less than

E -- Estimated value

^a -- Listed values are recovery percentages for 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.

Value qualifier codes used in this table:

n -- Below the LRL and above the LT-MDL

t -- Below the long-term MDL

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
 10350500 TRUCKEE RIVER AT CLARK, NV—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	203	198	201	244	217	229	283	260	269	304	280	288
2	216	197	205	234	216	225	296	282	291	293	273	285
3	223	216	220	247	234	241	303	296	300	298	283	294
4	227	220	222	247	240	243	303	274	288	283	274	277
5	227	220	223	242	218	232	275	263	272	280	273	275
6	225	216	221	218	207	211	314	275	292	287	280	284
7	217	208	211	214	209	213	345	301	329	284	274	278
8	219	208	215	221	214	218	302	256	268	280	275	277
9	227	217	222	227	220	224	281	257	268	281	276	278
10	225	219	223	229	223	226	281	257	267	280	277	278
11	222	217	220	235	227	232	274	256	264	280	273	276
12	222	214	219	241	231	236	273	267	270	279	274	277
13	224	219	222	242	236	239	273	270	272	279	274	276
14	223	216	219	239	235	237	288	272	279	289	270	280
15	222	216	219	238	232	235	331	284	310	298	288	293
16	224	215	220	239	229	235	341	330	333	301	295	298
17	232	223	229	241	234	238	343	332	336	302	292	298
18	235	228	231	245	236	242	338	323	328	302	295	299
19	243	234	238	243	235	239	331	328	330	303	296	300
20	245	237	241	246	242	244	332	320	326	306	297	299
21	261	242	253	245	237	241	326	314	320	322	306	319
22	251	236	240	241	236	239	329	319	325	318	308	314
23	243	234	238	251	237	243	320	313	315	310	304	307
24	248	242	244	251	244	248	319	313	316	305	298	301
25	250	248	249	249	245	247	320	300	310	306	298	302
26	255	246	250	251	246	248	300	282	287	306	300	303
27	251	241	246	256	249	253	294	288	290	302	298	300
28	255	242	247	250	245	248	316	294	301	304	298	301
29	257	251	254	253	244	248	319	306	312	303	296	298
30	262	255	258	263	251	257	312	291	299	301	295	298
31	259	244	254	---	---	---	320	304	315	305	298	301
MONTH	262	197	231	263	207	237	345	256	299	322	270	292
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	307	300	304	283	273	279	169	163	167	183	162	177
2	307	301	303	305	278	285	165	162	163	183	172	177
3	304	297	301	317	303	308	169	162	165	179	166	174
4	304	293	299	325	317	321	174	167	171	168	158	164
5	302	291	297	323	319	321	173	170	172	161	147	155
6	299	293	296	321	311	317	171	167	170	150	142	147
7	302	297	299	312	300	306	171	166	168	147	139	143
8	304	296	300	301	289	296	171	162	169	143	133	138
9	304	296	300	293	274	288	168	158	165	144	134	138
10	304	297	300	283	265	276	163	155	160	141	132	137
11	304	288	298	271	251	262	160	156	158	150	132	138
12	298	289	292	251	236	244	164	159	162	150	144	147
13	296	291	293	240	234	237	165	160	162	155	149	152
14	295	287	292	238	230	235	160	151	156	157	153	155
15	296	291	293	231	220	228	160	151	156	158	152	155
16	302	295	299	221	207	214	172	160	165	160	152	156
17	308	289	301	207	197	203	170	161	166	157	148	152
18	290	233	256	198	193	196	172	163	169	151	145	149
19	234	227	230	195	190	193	175	168	172	153	142	149
20	248	226	241	191	179	185	180	168	173	157	148	153
21	246	241	244	180	178	179	172	167	169	155	149	152
22	255	242	249	183	177	180	172	163	168	154	149	151
23	262	252	257	178	169	173	166	160	163	158	146	154
24	262	255	259	171	165	168	168	163	165	154	147	152
25	265	255	262	166	161	163	173	162	168	158	143	152
26	273	234	251	162	152	160	170	160	165	167	151	163
27	286	273	282	164	156	160	163	156	161	171	163	168
28	278	267	271	170	164	168	160	150	156	169	151	163
29	279	265	272	177	170	173	153	150	151	151	145	148
30	---	---	---	177	169	172	163	151	158	164	151	159
31	---	---	---	170	167	168	---	---	---	165	156	162
MONTH	308	226	281	325	152	228	180	150	164	183	132	154

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
 10350500 TRUCKEE RIVER AT CLARK, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.0	17.0	18.0	9.0	7.5	8.0	7.0	5.5	6.5	4.5	3.5	4.0
2	19.0	16.5	17.5	8.0	7.0	7.0	8.0	6.5	7.0	4.0	2.5	3.0
3	18.0	16.5	17.5	8.0	6.5	7.0	8.5	7.0	7.5	2.5	1.5	2.0
4	18.0	16.0	17.0	8.0	6.0	7.0	7.5	6.5	7.0	1.5	0.5	1.0
5	18.0	16.5	17.5	8.5	7.0	7.5	7.5	6.0	6.5	1.5	0.0	1.0
6	18.0	16.0	17.0	8.0	6.5	7.5	8.5	7.5	8.0	2.5	1.5	2.0
7	18.0	16.0	17.0	8.0	7.5	7.5	8.5	7.5	8.0	3.5	2.0	2.5
8	18.0	15.5	17.0	8.5	7.5	8.0	7.5	5.5	6.0	4.0	3.0	3.5
9	17.5	15.5	16.5	9.0	7.5	8.0	5.5	4.5	4.5	5.0	3.5	4.0
10	15.5	14.0	14.5	9.0	7.5	8.0	5.5	4.0	4.5	5.5	4.0	4.5
11	14.5	12.5	13.5	8.5	7.0	8.0	5.0	4.0	4.5	5.5	4.0	5.0
12	15.0	13.0	14.0	8.0	6.5	7.5	5.0	4.0	4.5	5.5	4.0	5.0
13	14.0	12.5	13.5	9.0	7.0	8.0	6.0	4.5	5.5	5.5	4.0	4.5
14	14.0	11.5	13.0	8.5	7.0	7.5	6.0	5.0	5.5	5.5	4.0	4.5
15	13.5	12.0	12.5	8.0	7.0	7.5	5.0	4.0	4.5	5.5	4.0	5.0
16	14.0	11.5	13.0	7.5	6.5	7.0	4.0	3.0	4.0	5.5	4.0	5.0
17	14.5	12.5	14.0	8.0	6.5	7.5	4.0	3.0	3.5	5.5	4.0	5.0
18	15.0	13.0	14.0	8.5	7.0	8.0	4.0	2.5	3.0	5.5	4.0	5.0
19	15.5	13.5	14.5	8.5	7.0	8.0	4.0	3.0	3.5	6.0	4.5	5.0
20	16.0	13.5	15.0	8.5	7.0	7.5	5.0	4.0	4.5	6.0	5.0	5.5
21	15.5	14.0	15.0	7.5	6.0	7.0	7.0	5.0	6.0	5.5	4.0	4.5
22	15.5	13.5	14.5	6.0	4.5	5.5	7.0	6.0	6.5	4.5	3.5	4.0
23	15.5	14.0	14.5	4.5	3.0	4.0	6.0	5.5	6.0	4.0	2.5	3.5
24	14.5	13.0	14.0	4.5	2.5	3.5	6.0	5.5	5.5	5.0	3.5	4.0
25	13.5	12.0	12.5	5.0	3.5	4.0	5.5	4.5	5.0	4.5	3.0	4.0
26	13.0	11.0	12.0	5.5	3.5	4.5	4.5	3.0	3.5	4.0	3.0	4.0
27	13.0	11.0	12.5	5.0	3.5	4.5	3.0	1.5	2.5	4.0	3.0	3.5
28	14.0	11.5	13.0	5.5	4.0	5.0	2.0	1.5	2.0	5.0	3.5	4.5
29	13.5	12.0	13.0	6.0	5.0	5.5	3.5	2.0	3.0	6.5	4.5	5.5
30	12.5	10.5	11.5	6.5	6.0	6.5	4.5	3.0	4.0	6.0	5.0	5.5
31	10.5	8.5	9.5	---	---	---	4.5	3.5	4.0	6.5	4.5	5.5
MONTH	19.0	8.5	14.5	9.0	2.5	6.7	8.5	1.5	5.0	6.5	0.0	4.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.0	4.5	5.5	7.0	6.0	6.5	11.0	9.0	10.0	16.0	12.5	14.0
2	6.0	5.0	5.5	6.0	5.5	5.5	10.0	8.0	9.0	17.5	13.5	15.5
3	6.0	4.0	5.0	6.5	5.0	6.0	12.0	8.5	10.5	17.5	15.0	16.0
4	6.0	4.0	5.0	7.5	5.5	6.5	13.5	11.5	12.0	17.0	15.0	16.0
5	5.5	3.5	4.5	8.0	6.0	7.0	13.5	11.0	12.5	15.5	13.0	14.5
6	5.0	3.5	4.5	10.0	7.0	8.5	13.0	11.5	12.0	15.0	12.0	13.5
7	4.5	3.5	4.0	11.0	8.5	10.0	13.5	11.0	12.0	15.0	12.0	13.5
8	5.5	3.5	4.5	11.5	9.0	10.5	13.5	11.5	12.5	15.5	12.5	14.0
9	5.5	3.5	4.5	12.5	9.5	11.0	14.0	11.5	12.5	16.0	13.0	14.5
10	5.0	3.5	4.5	12.5	10.5	11.5	13.0	11.0	12.0	14.5	12.0	13.0
11	5.0	3.0	4.5	11.5	9.5	10.5	13.5	11.0	12.0	12.0	11.0	11.5
12	5.5	3.5	4.5	11.0	8.5	10.0	14.0	11.5	12.5	13.5	10.0	11.5
13	4.5	3.5	4.0	11.5	9.0	10.0	13.0	11.0	12.5	16.0	12.0	14.0
14	5.0	3.0	4.0	12.0	9.5	10.5	12.5	10.0	11.0	16.5	13.5	15.0
15	6.0	4.5	5.5	12.0	10.0	11.0	10.5	8.5	9.5	16.0	14.0	15.0
16	7.5	6.0	7.0	11.5	9.5	10.5	11.0	7.5	9.5	17.0	13.5	15.0
17	8.5	7.0	7.5	11.0	9.0	10.0	10.5	9.0	10.0	16.5	14.0	15.0
18	7.5	6.0	7.0	11.5	9.0	10.0	11.0	8.5	9.5	15.0	13.0	14.0
19	7.5	5.0	6.0	11.5	9.5	10.5	11.0	9.0	10.0	16.0	13.0	14.5
20	6.5	5.5	6.0	11.5	9.5	10.5	11.5	9.0	10.0	16.0	13.5	14.5
21	6.5	5.5	6.0	12.0	9.5	11.0	12.0	9.0	10.5	15.0	13.0	14.0
22	7.0	5.5	6.5	12.0	10.5	11.5	12.0	10.0	11.0	15.5	13.0	14.0
23	8.5	6.5	7.5	12.0	9.5	11.0	13.0	10.0	11.5	16.0	13.0	14.5
24	8.5	6.5	7.5	11.0	9.5	10.5	14.5	11.0	13.0	17.0	14.0	15.5
25	7.5	6.0	6.5	10.0	8.0	9.0	15.5	12.5	14.0	17.0	14.0	15.5
26	6.0	5.0	5.5	8.5	6.5	7.5	16.0	13.0	14.5	17.0	14.0	15.5
27	5.0	4.0	4.5	9.5	6.0	7.5	16.5	13.5	15.0	17.0	15.5	16.0
28	5.0	3.5	4.5	10.5	8.0	9.5	15.0	13.0	14.0	17.0	14.5	16.0
29	7.0	4.0	5.5	11.5	9.0	10.5	14.0	11.5	12.5	17.0	14.5	15.5
30	---	---	---	12.5	10.0	11.0	14.5	11.5	13.0	18.0	14.5	16.5
31	---	---	---	13.0	10.5	11.5	---	---	---	19.0	16.0	17.5
MONTH	8.5	3.0	5.4	13.0	5.0	9.6	16.5	7.5	11.7	19.0	10.0	14.7

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN
10351300 TRUCKEE CANAL NEAR WADSWORTH, NV

LOCATION.--Lat 39°36'46", long 119°17'46" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec. 09, 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.

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 National Geodetic Vertical Datum 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 Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 967 ft³/s March 10 1995; no flow at times, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 752 ft³/s, March 18, gage height, 3.70 ft; minimum daily discharge, 38 ft³/s, October 29, 30.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	245	241	359	216	403	625	320	552	183	162	173
2	71	290	219	403	219	486	e542	398	524	190	162	165
3	71	268	218	342	231	498	e500	400	509	192	166	167
4	71	282	259	336	231	423	e480	432	477	175	159	163
5	56	346	253	302	223	400	e450	477	423	173	155	170
6	45	398	202	278	214	402	e440	476	359	197	152	155
7	44	391	196	312	217	422	447	509	351	185	133	196
8	45	373	397	317	223	440	388	569	333	166	143	209
9	45	392	273	322	217	457	294	589	287	169	144	191
10	43	395	315	329	210	486	292	585	288	172	155	210
11	43	376	338	337	208	543	290	580	266	154	140	214
12	42	357	325	335	209	582	309	573	234	172	141	219
13	42	344	308	315	198	605	318	551	207	194	146	222
14	41	336	304	285	203	623	319	553	207	177	154	246
15	39	345	341	265	211	646	295	547	228	171	199	252
16	40	343	239	264	213	691	272	526	222	159	209	272
17	41	341	213	257	257	e700	409	511	189	162	221	372
18	45	333	199	259	484	e720	464	514	193	167	189	418
19	47	336	194	262	465	718	479	498	196	165	168	417
20	45	329	209	280	425	695	490	473	183	176	159	422
21	43	328	267	293	400	685	506	495	194	169	169	430
22	43	314	268	261	388	693	496	514	222	171	170	427
23	44	286	257	235	385	697	480	518	209	167	163	420
24	50	285	251	230	372	687	432	526	195	163	181	302
25	60	293	334	238	365	648	440	489	186	166	197	208
26	59	287	366	235	624	622	467	436	174	158	162	163
27	53	285	300	219	569	619	475	397	171	167	151	114
28	41	286	238	228	479	632	467	439	178	156	159	110
29	38	290	256	238	426	645	431	551	209	159	170	125
30	38	286	305	232	---	662	341	539	209	157	173	84
31	42	---	326	220	---	667	---	540	---	159	184	---
TOTAL	1,489	9,760	8,411	8,788	9,082	18,197	12,638	15,525	8,175	5,291	5,136	7,236
MEAN	48.0	325	271	283	313	587	421	501	272	171	166	241
MAX	71	398	397	403	624	720	625	589	552	197	221	430
MIN	38	245	194	219	198	400	272	320	171	154	133	84
AC-FT	2,950	19,360	16,680	17,430	18,010	36,090	25,070	30,790	16,220	10,490	10,190	14,350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2004, BY WATER YEAR (WY)

MEAN	215	249	224	175	187	249	290	327	257	205	186	193
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	0.00	0.00	0.00	0.00	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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1967 - 2004	
ANNUAL TOTAL	86,146		109,728			
ANNUAL MEAN	236		300		230	
HIGHEST ANNUAL MEAN					397	
LOWEST ANNUAL MEAN					42.8	
HIGHEST DAILY MEAN	819	Apr 1	720	Mar 18	967	Mar 10, 1995
LOWEST DAILY MEAN	16	Jan 17	38	Oct 29	0.00	Dec 14, 1967
ANNUAL SEVEN-DAY MINIMUM	21	Jan 13	41	Oct 11	0.00	Jan 4, 1968
ANNUAL RUNOFF (AC-FT)	170,900		217,600		166,700	
10 PERCENT EXCEEDS	552		539		489	
50 PERCENT EXCEEDS	173		266		196	
90 PERCENT EXCEEDS	45		138		17	

CARSON RIVER BASIN, CARSON DESERT
10351400 TRUCKEE CANAL NEAR HAZEN, NV

LOCATION.--Lat 39°30'14", long 119°02'39" referenced to North American Datum of 1927, in NE ¼ NE ¼ 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.

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 National Geodetic Vertical Datum 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.--No estimated daily discharges. Records excellent for daily discharges greater than 50 ft³/s, and records good for daily discharges less than 50 ft³/s. Flow regulated by Derby Dam, diversions, and spillways between Derby Dam and station. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 916 ft³/s, February 3, 1967; no flow at times, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 738 ft³/s, March 19, gage height, 11.35 ft; minimum daily discharge, 0.88 ft³/s, October 15.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	138	251	306	207	374	595	258	491	122	84	106
2	9.2	302	217	345	208	398	515	272	487	109	101	108
3	8.5	284	206	324	214	469	463	316	457	90	93	106
4	8.0	275	216	319	221	401	432	263	428	114	63	91
5	19	299	240	295	220	362	381	275	363	102	61	109
6	16	426	211	263	211	350	374	331	271	124	77	105
7	13	407	153	273	209	353	339	382	286	103	65	109
8	14	356	288	285	211	362	352	411	276	81	75	144
9	12	347	299	285	210	373	231	441	257	48	59	106
10	7.8	382	269	284	208	387	206	505	267	55	60	94
11	4.1	362	307	291	201	430	212	483	253	66	68	102
12	5.2	327	309	295	205	497	248	485	197	68	82	107
13	5.1	319	292	287	196	525	252	492	176	79	78	122
14	1.5	301	270	263	192	555	254	457	141	73	50	133
15	0.88	313	311	244	197	570	245	446	110	76	95	210
16	0.91	320	256	236	196	624	223	457	186	93	222	203
17	0.97	318	212	234	195	674	282	455	120	69	154	234
18	1.2	307	199	232	338	716	394	437	114	84	138	284
19	1.6	306	190	234	430	729	396	461	106	102	127	329
20	1.4	304	184	238	392	687	404	398	115	114	71	339
21	1.8	296	210	267	370	657	442	377	126	89	42	362
22	1.6	300	242	252	351	657	434	404	121	74	108	366
23	3.4	290	227	234	344	654	425	447	134	43	107	335
24	3.1	285	221	224	331	666	383	433	102	39	110	258
25	5.7	292	245	218	313	640	340	425	80	56	102	93
26	29	289	325	227	488	619	378	383	65	76	92	74
27	35	283	297	223	606	609	401	328	62	79	80	44
28	28	283	250	215	488	613	410	299	53	54	80	40
29	13	281	222	226	416	601	408	487	53	30	73	53
30	8.8	279	253	222	---	616	321	530	97	70	77	51
31	64	---	279	214	---	615	---	481	---	74	91	---
TOTAL	333.76	9,271	7,651	8,055	8,368	16,783	10,740	12,619	5,994	2,456	2,785	4,817
MEAN	10.8	309	247	260	289	541	358	407	200	79.2	89.8	161
MAX	64	426	325	345	606	729	595	530	491	124	222	366
MIN	0.88	138	153	214	192	350	206	258	53	30	42	40
AC-FT	662	18,390	15,180	15,980	16,600	33,290	21,300	25,030	11,890	4,870	5,520	9,550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2004, BY WATER YEAR (WY)

MEAN	164	220	209	162	175	229	237	222	150	85.0	75.0	113
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	0.00	0.00	0.00	0.00	0.15	0.09	0.28	0.34	0.06	0.52
(WY)	(1997)	(2001)	(1976)	(1971)	(1971)	(1971)	(1996)	(1996)	(1999)	(1992)	(1992)	(1994)

CARSON RIVER BASIN, CARSON DESERT
10351400 TRUCKEE CANAL NEAR HAZEN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1967 - 2004	
ANNUAL TOTAL	67,831.72		89,872.76			
ANNUAL MEAN	186		246		170	
HIGHEST ANNUAL MEAN					330 1978	
LOWEST ANNUAL MEAN					2.32 1999	
HIGHEST DAILY MEAN	813	Apr 1	729	Mar 19	916	Feb 3, 1967
LOWEST DAILY MEAN	0.88	Oct 15	0.88	Oct 15	0.00	Jan 7, 1968
ANNUAL SEVEN-DAY MINIMUM	1.2	Oct 14	1.2	Oct 14	0.00	Dec 11, 1970
ANNUAL RUNOFF (AC-FT)	134,500		178,300		123,000	
10 PERCENT EXCEEDS	509		462		445	
50 PERCENT EXCEEDS	93		237		95	
90 PERCENT EXCEEDS	5.0		47		0.77	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10351600 TRUCKEE RIVER BELOW DERBY DAM NEAR WADSWORTH, NV

LOCATION.--Lat 39°35'05", long 119°26'25" referenced to North American Datum of 1927, in NW ¼ SE ¼ 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 mi².

WATER-DISCHARGE RECORDS

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 National Geodetic Vertical Datum 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 Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,700 ft³/s, January 3, 1997, gage height, 14.57 ft; no flow some days, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 641 ft³/s, April 8, gage height, 3.61 ft; minimum daily discharge, 22 ft³/s, September 29.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	166	117	47	48	51	48	189	267	183	143	153	96
2	112	49	46	50	51	53	234	238	202	144	153	98
3	102	42	51	47	51	50	264	331	199	145	154	99
4	99	48	57	46	51	45	339	373	195	141	152	100
5	99	50	54	45	51	55	415	384	186	142	154	100
6	104	52	50	44	52	61	474	371	178	145	150	99
7	118	51	50	45	52	56	441	304	183	143	148	105
8	103	49	59	44	52	57	507	314	185	142	148	105
9	88	50	53	45	52	57	556	262	179	142	147	103
10	91	49	55	45	52	57	528	257	180	143	148	97
11	97	48	53	45	52	57	486	293	174	143	144	97
12	118	48	50	45	52	57	472	255	179	146	133	95
13	111	49	49	44	51	59	483	227	184	145	135	97
14	119	53	49	44	51	60	484	226	186	142	138	94
15	107	52	50	43	51	61	462	222	192	141	144	73
16	92	52	45	43	51	63	391	220	169	140	141	71
17	69	52	47	43	54	91	245	222	144	142	135	70
18	70	51	51	43	58	99	186	224	141	144	126	67
19	62	52	51	43	50	170	152	219	144	144	112	66
20	76	51	51	44	54	249	161	213	143	145	112	66
21	83	51	54	45	56	292	167	219	148	142	108	68
22	77	51	50	44	56	368	212	229	151	143	104	47
23	74	51	47	43	55	438	226	233	149	153	104	37
24	78	51	46	42	54	521	235	238	148	156	100	35
25	74	51	50	43	57	457	239	223	146	155	94	28
26	72	50	49	44	130	411	250	214	145	154	94	24
27	80	50	46	43	63	240	289	221	144	154	96	25
28	85	50	44	44	55	171	340	252	146	151	96	32
29	97	50	45	44	51	140	355	209	150	152	97	22
30	97	50	46	48	---	165	330	152	148	151	98	24
31	121	---	47	51	---	175	---	138	---	152	98	---
TOTAL	2,941	1,570	1,542	1,387	1,616	4,883	10,112	7,750	5,001	4,525	3,916	2,140
MEAN	94.9	52.3	49.7	44.7	55.7	158	337	250	167	146	126	71.3
MAX	166	117	59	51	130	521	556	384	202	156	154	105
MIN	62	42	44	42	50	45	152	138	141	140	94	22
AC-FT	5,830	3,110	3,060	2,750	3,210	9,690	20,060	15,370	9,920	8,980	7,770	4,240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2004, BY WATER YEAR (WY)

MEAN	87.8	162	333	430	538	570	741	1,024	669	180	81.7	88.7
MAX	776	2,629	3,722	6,672	3,846	4,054	3,395	4,587	5,099	2,478	716	1,071
(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)

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10351600 TRUCKEE RIVER BELOW DERBY DAM NEAR WADSWORTH, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1918 - 2004	
ANNUAL TOTAL	68,996		47,383			
ANNUAL MEAN	189		129		407	
HIGHEST ANNUAL MEAN					2,430	1983
LOWEST ANNUAL MEAN					6.16	1931
HIGHEST DAILY MEAN	1,170	May 30	556	Apr 9	16,400	Jan 3, 1997
LOWEST DAILY MEAN	13	Mar 11	22	Sep 29	0.00	Jun 26, 1918
ANNUAL SEVEN-DAY MINIMUM	14	Mar 8	27	Sep 24	0.00	Nov 3, 1955
MAXIMUM PEAK FLOW			641	Apr 8	19,700	Jan 3, 1997
MAXIMUM PEAK STAGE			3.61	Apr 8	14.57	Jan 3, 1997
ANNUAL RUNOFF (AC-FT)	136,900		93,980		294,700	
10 PERCENT EXCEEDS	484		251		1,250	
50 PERCENT EXCEEDS	97		98		37	
90 PERCENT EXCEEDS	26		45		4.1	

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10351600 TRUCKEE RIVER BELOW DERBY DAM NEAR WADSWORTH, NV—Continued

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 current year.

INSTRUMENTATION.--Water temperature monitor June 1988 to September 1996, hourly; October 2001 to current year, 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, 26.5°C, July 21, 22; minimum, 0.0°C, January 4, 5.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.5	17.0	18.0	9.0	7.5	8.0	7.0	5.5	6.0	4.0	3.0	3.5
2	19.0	16.5	18.0	7.5	6.5	7.0	7.5	6.0	6.5	3.5	2.5	3.0
3	18.5	16.5	17.5	8.0	6.0	7.0	8.0	6.5	7.0	2.5	1.0	1.5
4	18.5	16.0	17.5	7.5	5.5	7.0	7.0	6.0	6.5	1.0	0.0	1.0
5	18.0	16.5	17.5	8.0	7.0	7.5	7.0	6.0	6.5	1.0	0.0	0.5
6	18.5	16.0	17.5	8.0	6.5	7.5	8.0	6.5	7.5	2.0	0.5	1.5
7	18.5	16.5	17.5	8.5	7.0	7.5	7.5	6.5	7.0	3.0	1.5	2.0
8	18.0	16.0	17.0	8.5	7.0	8.0	6.5	5.0	6.0	3.5	2.5	3.0
9	17.5	15.5	16.5	8.5	7.5	8.0	5.0	4.0	4.5	4.0	3.0	3.5
10	15.5	14.0	14.5	9.0	7.0	8.0	5.0	4.0	4.5	5.0	3.5	4.0
11	14.5	12.5	13.5	8.5	6.5	7.5	4.5	3.5	4.0	5.0	3.5	4.5
12	15.0	13.0	14.0	8.0	6.5	7.5	4.5	3.5	4.0	5.0	3.5	4.5
13	14.0	12.5	13.5	8.5	7.0	8.0	5.5	4.5	5.0	5.0	3.5	4.5
14	14.0	11.5	13.0	8.5	6.5	7.5	5.0	4.0	5.0	5.0	3.5	4.0
15	13.5	11.5	12.5	8.0	7.0	7.5	4.5	3.5	4.0	5.0	3.5	4.5
16	14.0	11.5	13.0	8.0	6.0	7.0	4.0	3.0	3.5	5.0	3.5	4.5
17	15.0	12.5	13.5	8.0	6.5	7.5	3.5	2.5	3.0	5.0	3.5	4.5
18	15.0	13.0	14.0	8.5	6.5	7.5	3.5	2.0	3.0	5.5	4.0	4.5
19	15.5	13.5	14.5	8.5	7.0	8.0	4.0	2.5	3.0	5.5	4.0	4.5
20	16.0	13.5	15.0	8.0	7.0	7.5	5.0	3.5	4.0	5.5	4.5	5.0
21	16.0	13.5	15.0	7.0	5.5	6.5	6.5	4.5	5.5	5.0	3.5	4.5
22	15.5	13.5	14.5	5.5	4.0	5.0	6.5	5.5	6.0	4.5	3.0	3.5
23	15.5	14.0	14.5	4.0	3.0	3.5	6.0	5.0	5.5	4.0	2.5	3.5
24	14.5	13.0	14.0	4.0	2.5	3.5	6.0	5.0	5.5	5.0	3.5	4.0
25	13.5	12.0	13.0	4.5	3.0	4.0	5.0	4.5	5.0	4.0	2.5	3.5
26	13.0	11.0	12.0	4.5	3.5	4.0	4.5	2.5	3.5	4.0	3.0	3.5
27	13.0	11.0	12.0	4.5	3.5	4.0	2.5	1.0	2.0	4.0	3.0	3.5
28	14.0	11.5	12.5	5.0	4.0	4.5	2.0	1.0	1.5	5.0	3.0	4.0
29	13.5	12.5	13.0	6.0	5.0	5.5	3.5	1.5	2.5	6.0	4.0	5.0
30	12.5	11.0	11.5	6.5	5.5	6.0	4.0	3.0	3.5	6.0	5.0	5.5
31	11.0	8.5	9.5	---	---	---	4.0	3.5	4.0	6.0	4.0	5.0
MONTH	19.5	8.5	14.5	9.0	2.5	6.6	8.0	1.0	4.7	6.0	0.0	3.7

TRUCKEE RIVER BASIN, PYRAMID-WINNEMUCCA LAKES

10351650 TRUCKEE RIVER AT WADSWORTH, NV

LOCATION.--Lat 39°37'56", long 119°16'56" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec. 03, T.20 N., R.24 E., Washoe County, Hydrologic Unit 16050103, 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 mi².

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 National Geodetic Vertical Datum 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 Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,100 ft³/s, January 3, 1997, gage height, 19.64 ft; minimum daily, 0.46 ft³/s, October 11, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 685 ft³/s, March 23, gage height, 5.67 ft; minimum daily discharge, 32 ft³/s, September 30.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	336	196	67	63	64	66	195	282	182	142	151	98
2	285	90	64	67	64	69	241	227	214	142	153	101
3	265	78	63	65	64	70	262	288	214	136	148	104
4	265	70	72	65	65	64	320	340	212	135	141	105
5	269	72	72	64	64	61	392	359	192	137	141	105
6	281	75	66	62	64	78	446	363	159	137	144	104
7	314	75	62	62	63	71	433	307	156	135	150	106
8	284	72	73	62	64	71	454	314	180	125	149	107
9	248	73	71	62	63	72	519	263	193	126	151	103
10	248	73	70	62	63	72	508	264	193	111	153	99
11	261	71	72	63	63	72	469	301	186	96	150	98
12	292	70	67	63	63	73	448	278	181	101	123	103
13	291	69	66	62	62	74	456	239	190	119	106	103
14	306	73	65	61	62	76	458	236	192	136	108	103
15	296	74	67	60	62	77	438	237	195	135	117	87
16	282	74	64	59	62	77	398	234	182	139	152	82
17	264	73	61	59	61	99	268	235	150	142	146	75
18	260	72	66	58	72	114	209	237	143	145	140	75
19	250	72	67	59	66	152	164	236	146	139	126	73
20	258	71	66	59	65	238	166	227	148	130	121	77
21	269	71	68	61	69	283	175	230	148	127	116	77
22	266	71	70	60	69	340	206	227	146	131	105	72
23	263	71	63	59	69	418	225	225	127	144	108	52
24	264	71	61	58	67	494	217	232	123	151	106	50
25	246	70	63	58	68	451	221	221	131	153	99	45
26	243	69	68	58	141	414	225	208	142	154	93	39
27	259	69	65	58	85	284	256	211	132	134	91	36
28	278	69	62	57	75	200	313	248	113	99	77	39
29	285	69	60	58	70	163	344	245	142	101	81	39
30	290	68	61	58	---	170	326	177	146	102	82	32
31	298	---	63	64	---	196	---	156	---	125	88	---
TOTAL	8,516	2,291	2,045	1,886	1,989	5,159	9,752	7,847	4,958	4,029	3,816	2,389
MEAN	275	76.4	66.0	60.8	68.6	166	325	253	165	130	123	79.6
MAX	336	196	73	67	141	494	519	363	214	154	153	107
MIN	243	68	60	57	61	61	164	156	113	96	77	32
AC-FT	16,890	4,540	4,060	3,740	3,950	10,230	19,340	15,560	9,830	7,990	7,570	4,740

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

MEAN	228	365	564	876	940	1,075	1,077	1,536	1,159	441	210	230
MAX	905	2,786	3,965	7,378	3,837	4,979	3,595	4,164	5,882	2,776	857	1,218
(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)

TRUCKEE RIVER BASIN, PYRAMID-WINNEMUCCA LAKES
 10351650 TRUCKEE RIVER AT WADSWORTH, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL TOTAL	91,774		54,677			
ANNUAL MEAN	251		149		728	
HIGHEST ANNUAL MEAN					2,677	1983
LOWEST ANNUAL MEAN					55.3	1977
HIGHEST DAILY MEAN	1,210	May 31	519	Apr 9	17,500	Jan 3, 1997
LOWEST DAILY MEAN	25	Mar 13	32	Sep 30	0.46	Oct 11, 1994
ANNUAL SEVEN-DAY MINIMUM	26	Mar 9	40	Sep 24	0.62	Oct 10, 1994
MAXIMUM PEAK FLOW			685	Mar 23	19,100	Jan 3, 1997
MAXIMUM PEAK STAGE			5.67	Mar 23	19.64	Jan 3, 1997
ANNUAL RUNOFF (AC-FT)	182,000		108,500		527,000	
10 PERCENT EXCEEDS	647		286		2,190	
50 PERCENT EXCEEDS	195		110		302	
90 PERCENT EXCEEDS	41		62		27	

TRUCKEE RIVER BASIN, PYRAMID-WINNEMUCCA LAKES

10351700 TRUCKEE RIVER NEAR NIXON, NV

LOCATION (REVISED).--Lat 39°46'38.54", long 119°20'15.08" referenced to North American Datum of 1983, in SW ¼ NW ¼ sec. 18, T.22 N., R.24 E., Washoe County, Hydrologic Unit 16050103, in Pyramid Lake Indian Reservation, on left 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 mi².

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, NV) 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 National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Flow regulated by Lake Tahoe (station 10337000), Prosser Creek (station 10340300), Stampede (station 10344300) and Boca (station 1034490) 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 Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,200 ft³/s, January 3, 1997, gage height, 15.28 ft; minimum daily, 3.3 ft³/s, July 9, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 609 ft³/s, April 10, gage height, 4.38 ft; minimum daily discharge, 43 ft³/s, September 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	365	264	75	68	73	78	215	333	180	145	155	104
2	314	127	73	70	73	80	267	244	229	144	160	103
3	276	102	72	73	73	79	276	281	230	140	152	106
4	273	93	74	e72	75	77	312	357	227	137	143	110
5	270	88	81	e70	73	72	400	372	215	136	139	111
6	290	84	76	69	73	79	457	386	181	140	142	109
7	327	83	70	69	73	81	481	349	175	146	151	112
8	311	85	68	65	73	79	451	333	192	137	153	115
9	274	84	75	69	73	80	555	290	215	134	160	111
10	272	82	75	69	72	80	547	293	215	130	164	107
11	272	79	81	68	71	78	513	308	206	102	164	105
12	301	77	76	68	71	80	483	322	195	110	153	108
13	307	79	70	69	71	80	489	263	203	119	122	108
14	312	79	74	68	71	82	497	252	203	136	128	108
15	310	82	69	68	70	84	476	251	203	134	127	103
16	305	84	70	64	71	85	457	248	204	137	166	86
17	280	81	68	64	69	93	329	248	168	145	169	80
18	271	82	69	64	73	122	244	247	152	156	161	78
19	266	81	72	65	77	125	192	250	154	156	148	77
20	266	73	73	65	72	225	180	241	154	135	137	83
21	280	73	73	65	75	273	191	242	150	135	132	85
22	277	75	75	66	76	316	210	244	143	129	119	86
23	278	75	73	68	78	405	243	245	128	136	112	72
24	278	75	73	69	78	515	243	245	140	157	113	62
25	254	77	73	68	77	496	243	239	141	162	106	58
26	250	77	77	67	126	446	248	213	156	162	100	51
27	262	75	77	66	107	350	263	206	151	156	107	47
28	280	76	75	68	89	232	324	246	126	116	91	43
29	299	75	71	68	82	195	370	285	146	118	98	49
30	303	75	72	70	---	174	361	207	154	118	93	44
31	304	---	70	70	---	234	---	178	---	125	89	---
TOTAL	8,927	2,642	2,270	2,102	2,235	5,475	10,517	8,418	5,336	4,233	4,154	2,621
MEAN	288	88.1	73.2	67.8	77.1	177	351	272	178	137	134	87.4
MAX	365	264	81	73	126	515	555	386	230	162	169	115
MIN	250	73	68	64	69	72	180	178	126	102	89	43
AC-FT	17,710	5,240	4,500	4,170	4,430	10,860	20,860	16,700	10,580	8,400	8,240	5,200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2004, BY WATER YEAR (WY)

MEAN	186	266	433	630	724	763	829	1,248	897	331	166	181
MAX	917	2,659	3,905	7,378	3,887	4,764	3,392	4,289	5,398	2,786	816	1,172
(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)

TRUCKEE RIVER BASIN, PYRAMID-WINNEMUCCA LAKES

10351700 TRUCKEE RIVER NEAR NIXON, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1958 - 2004	
ANNUAL TOTAL	95,904		58,930		553	
ANNUAL MEAN	263		161		24.1	1992
HIGHEST ANNUAL MEAN					2,609	1983
LOWEST ANNUAL MEAN					24.1	1992
HIGHEST DAILY MEAN	1,190	May 31	555	Apr 9	19,300	Jan 3, 1997
LOWEST DAILY MEAN	37	Mar 13	43	Sep 28	3.3	Jul 9, 1991
ANNUAL SEVEN-DAY MINIMUM	39	Mar 9	51	Sep 24	6.2	Jul 13, 1992
MAXIMUM PEAK FLOW			609	Apr 10	21,200	Jan 3, 1997
MAXIMUM PEAK STAGE			4.38	Apr 10	15.28	Jan 3, 1997
ANNUAL RUNOFF (AC-FT)	190,200		116,900		400,900	
10 PERCENT EXCEEDS	628		309		1,710	
50 PERCENT EXCEEDS	200		124		119	
90 PERCENT EXCEEDS	55		69		25	

e Estimated

TRUCKEE RIVER BASIN, PYRAMID-WINNEMUCCA LAKES

10351700 TRUCKEE RIVER NEAR NIXON, NV—Continued

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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,350 microsiemens, cm at 25°C, October 31, November 1, 1994; minimum daily, 74 microsiemens, cm at 25°C, 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, 577 microsiemens/cm at 25°C, September 29; minimum, 174 microsiemens/cm at 25°C, May 12.

WATER TEMPERATURE: Maximum, 28.5°C, July 23; minimum, 0.0°C, many days.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	252	245	249	345	314	326	483	473	478	510	492	501
2	255	244	250	437	345	395	489	478	482	521	488	507
3	264	253	258	458	437	451	502	487	491	522	501	514
4	274	259	268	473	444	455	503	488	497	534	520	526
5	282	272	277	482	469	475	490	477	482	527	497	514
6	277	272	274	475	464	471	507	464	487	522	495	507
7	280	266	274	480	458	465	522	469	507	511	500	507
8	282	270	276	463	441	453	523	477	509	515	505	512
9	289	271	278	465	449	456	501	424	464	516	507	512
10	303	287	297	453	443	449	493	428	472	519	507	514
11	309	297	303	453	441	449	513	453	477	518	503	511
12	298	283	292	459	450	455	473	445	456	513	487	496
13	286	283	284	460	450	455	499	448	480	510	492	500
14	289	282	285	470	459	466	494	448	464	513	504	509
15	290	281	286	470	451	460	476	438	461	515	504	509
16	288	278	282	463	453	458	486	466	476	524	508	517
17	289	283	286	460	451	457	508	482	494	533	520	525
18	295	286	292	458	448	454	512	502	506	535	521	529
19	301	291	298	467	456	462	519	501	510	537	523	532
20	305	299	302	469	453	463	519	508	514	540	533	536
21	307	299	303	473	460	465	520	511	515	543	519	534
22	314	302	307	474	453	462	516	493	503	533	516	526
23	330	311	320	476	462	468	512	494	503	531	520	526
24	313	296	306	476	460	467	518	508	514	535	520	528
25	316	298	310	472	458	467	535	509	523	547	532	540
26	319	309	315	473	459	466	537	501	524	548	538	543
27	322	308	316	476	470	472	511	494	502	542	534	537
28	320	305	314	478	473	475	516	497	509	542	526	535
29	313	303	309	478	472	475	519	508	515	541	515	526
30	314	305	311	481	475	477	521	497	512	554	519	533
31	317	311	314	---	---	---	518	499	507	555	542	550
MONTH	330	244	291	482	314	456	537	424	495	555	487	521

TRUCKEE RIVER BASIN, PYRAMID-WINNEMUCCA LAKES

10351700 TRUCKEE RIVER NEAR NIXON, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	19.5	17.0	18.5	9.0	6.5	8.0	7.0	3.0	5.0	4.0	2.5	3.5
2	18.5	16.0	17.5	7.0	5.0	6.0	8.5	4.5	6.0	3.0	1.5	2.0
3	19.0	15.0	17.5	9.5	5.0	7.0	9.0	5.5	6.5	3.0	0.5	1.5
4	19.0	16.0	17.5	9.5	4.0	6.5	5.5	3.5	4.5	1.5	0.0	0.5
5	18.5	16.0	17.5	10.0	6.0	7.5	7.0	4.0	5.5	0.5	0.0	0.0
6	19.0	15.0	17.5	8.5	4.0	6.0	9.5	6.0	7.0	1.5	0.0	0.5
7	19.0	16.0	18.0	8.0	5.5	6.5	9.0	5.5	7.0	3.5	0.5	1.5
8	19.0	15.0	17.5	8.5	6.0	6.5	8.0	4.0	5.5	4.0	1.5	2.5
9	18.0	15.0	16.5	9.5	6.0	7.5	4.0	3.0	3.0	4.0	2.0	2.5
10	16.0	12.0	14.0	10.0	5.0	7.5	5.0	2.5	3.5	5.0	1.5	3.0
11	15.0	11.0	13.5	10.0	4.5	7.0	6.5	2.5	4.0	5.5	1.5	3.5
12	15.0	12.0	13.5	10.0	5.0	7.0	5.0	3.0	4.0	5.0	1.5	3.5
13	14.5	11.0	13.0	10.5	6.0	8.0	6.5	4.0	5.0	5.5	1.5	3.0
14	14.0	10.5	12.5	9.5	4.5	7.0	5.0	3.0	4.0	5.0	1.5	3.5
15	14.0	10.5	12.5	7.5	6.5	7.0	5.0	1.5	3.0	6.0	2.0	4.0
16	14.5	10.5	13.0	8.5	4.5	6.5	3.5	1.5	2.5	5.5	2.0	3.5
17	15.0	11.0	13.5	10.0	7.0	7.5	4.0	1.5	2.5	5.5	2.0	3.5
18	15.0	11.5	13.5	9.5	5.0	7.0	4.0	0.5	2.0	5.5	2.5	3.5
19	16.0	12.5	14.5	10.0	5.0	7.0	4.0	1.5	2.5	6.0	1.5	3.5
20	16.0	13.0	15.0	9.5	6.0	7.5	5.0	2.5	3.5	5.0	3.5	4.0
21	15.5	12.5	14.5	6.5	2.5	5.0	6.5	4.0	5.0	6.0	2.0	3.5
22	16.0	12.5	14.5	6.0	1.5	3.0	6.5	4.0	5.0	4.0	0.5	2.0
23	15.5	13.0	14.5	4.0	0.0	1.5	5.0	3.5	4.0	3.5	0.0	2.0
24	14.5	11.5	13.0	4.0	0.0	2.0	5.5	3.0	4.0	6.5	2.0	3.5
25	14.0	10.5	12.5	6.5	1.0	3.0	4.5	2.0	3.0	5.5	2.0	3.0
26	13.5	9.5	12.0	6.0	2.0	3.5	4.0	1.0	2.5	2.0	0.5	1.5
27	13.5	10.0	12.0	4.5	0.5	2.5	2.5	0.0	1.0	3.0	1.5	2.0
28	14.0	10.5	12.5	4.5	2.5	3.5	1.0	0.0	0.5	5.5	2.0	3.5
29	14.0	11.0	12.5	6.0	4.0	5.0	3.5	0.5	2.0	7.0	2.5	5.0
30	12.0	9.5	11.0	6.0	4.5	5.0	6.0	3.0	4.0	5.0	3.0	4.0
31	10.5	8.5	9.0	---	---	---	5.0	3.0	4.0	6.0	1.5	3.5
MONTH	19.5	8.5	14.3	10.5	0.0	5.8	9.5	0.0	3.9	7.0	0.0	2.8
	FEBRUARY			MARCH			APRIL			MAY		
1	5.5	2.0	3.5	8.0	5.0	7.0	13.5	9.5	11.5	18.5	12.5	15.5
2	5.0	3.0	4.0	8.5	4.0	6.0	13.0	7.5	10.5	20.5	14.0	17.5
3	5.5	2.5	4.0	8.0	4.0	6.5	15.5	9.5	12.5	22.0	16.0	19.0
4	6.0	3.5	4.5	8.5	5.0	6.5	16.0	11.0	13.5	21.5	16.0	18.5
5	7.0	2.5	4.5	9.0	5.0	7.5	16.5	12.0	14.0	18.5	16.0	17.0
6	4.0	2.0	3.0	12.0	7.5	9.5	15.5	12.5	13.5	18.0	14.0	16.0
7	6.0	2.0	3.5	12.5	7.0	10.0	16.0	12.0	14.0	18.5	13.0	15.5
8	6.5	2.0	4.0	14.0	8.5	11.5	16.0	12.0	14.0	18.5	13.5	16.5
9	7.0	2.5	4.0	15.0	9.5	12.0	16.0	12.0	14.0	19.5	13.5	16.5
10	6.0	1.0	3.5	15.0	10.5	12.5	16.0	11.5	13.5	18.0	13.0	14.5
11	6.5	1.0	3.5	15.0	9.5	12.5	16.0	11.0	13.5	15.5	11.5	13.5
12	6.0	1.0	3.5	14.5	10.0	12.5	16.0	12.0	14.0	16.5	10.0	13.5
13	4.0	1.0	2.5	15.0	9.5	12.5	15.0	12.5	13.5	18.5	12.0	15.5
14	6.5	1.0	4.0	15.5	10.5	13.0	14.5	10.5	12.5	19.5	13.5	17.0
15	7.0	3.5	5.0	16.0	11.0	13.5	12.5	10.0	11.0	19.0	15.0	17.0
16	7.5	5.5	6.5	15.5	10.5	13.0	11.0	8.5	9.5	20.0	14.0	17.5
17	9.0	6.0	7.5	15.5	10.5	13.5	12.0	8.0	10.0	20.5	15.0	18.0
18	9.5	6.5	7.5	15.0	11.0	13.5	13.0	8.0	10.5	18.5	14.0	16.5
19	8.5	5.0	6.5	15.5	11.5	14.0	12.5	9.0	11.0	19.5	13.5	16.5
20	9.0	5.0	6.5	16.5	11.0	14.0	14.0	10.0	11.5	19.0	15.0	17.0
21	9.5	6.5	7.5	16.0	11.0	13.5	14.5	10.0	12.0	19.0	14.5	17.0
22	8.5	6.5	7.5	16.0	12.0	14.0	15.0	8.5	11.5	19.5	14.0	17.0
23	10.0	6.5	7.5	15.5	11.5	13.5	15.5	9.5	13.0	18.0	13.0	16.0
24	9.5	5.5	7.0	14.5	11.0	12.5	17.0	11.0	14.5	20.0	13.5	17.0
25	6.5	5.0	6.0	12.0	9.5	11.0	18.5	12.0	15.5	20.0	14.5	17.5
26	8.5	4.0	6.5	11.0	7.5	9.5	19.0	12.5	16.0	20.5	15.0	18.0
27	7.0	5.0	6.0	11.5	7.5	9.5	19.0	14.0	16.5	20.5	17.0	19.0
28	8.0	4.5	6.0	13.5	7.5	10.5	17.0	13.5	15.5	19.5	16.0	18.0
29	9.0	5.0	7.0	14.0	8.0	11.5	16.5	11.5	14.0	19.5	15.0	17.5
30	---	---	---	13.5	10.5	12.5	18.0	12.0	14.5	21.0	15.0	18.0
31	---	---	---	16.0	10.5	13.5	---	---	---	22.5	17.0	20.0
MONTH	10.0	1.0	5.3	16.5	4.0	11.4	19.0	7.5	13.0	22.5	10.0	16.9

BLACK ROCK DESERT, UPPER QUINN RIVER BASIN
10352500 MCDERMITT CREEK NEAR MCDERMITT, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1949 - 2004	
ANNUAL TOTAL	5,037.73		7,862.7			
ANNUAL MEAN	13.8		21.5		32.1	
HIGHEST ANNUAL MEAN					98.2 1984	
LOWEST ANNUAL MEAN					4.11 1992	
HIGHEST DAILY MEAN	175	May 11	366	Mar 19	2,800	Feb 1, 1963
LOWEST DAILY MEAN	0.92	Aug 19	1.8	Sep 1	0.00	Sep 8, 1955
ANNUAL SEVEN-DAY MINIMUM	1.0	Aug 15	1.9	Aug 31	0.00	Sep 8, 1955
MAXIMUM PEAK FLOW			551	Mar 20	3,970	Feb 1, 1963
MAXIMUM PEAK STAGE			5.28	Mar 20	9.22	Mar 17, 1993
ANNUAL RUNOFF (AC-FT)	9,990		15,600		23,220	
10 PERCENT EXCEEDS	37		54		83	
50 PERCENT EXCEEDS	5.6		6.8		8.4	
90 PERCENT EXCEEDS	1.5		2.7		1.9	

e Estimated

BLACK ROCK DESERT, LOWER QUINN RIVER BASIN
10353750 MAHOGANY CREEK NEAR SUMMIT LAKE, NEVADA

LOCATION (REVISED).--Lat 41°32'35.04", long 119°00'24.29" referenced to North American Datum of 1983, in SE ¼ NE ¼ 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 mi².

PERIOD OF RECORD.--July 1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,080 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 50 ft³/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 ft³/s, August 1, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5.4 ft³/s, May 28, gage height, 4.49 ft; minimum daily discharge, 0.94 ft³/s, September 11.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.95	1.1	1.5	1.4	1.4	1.6	3.3	3.3	4.4	2.7	1.2	1.0
2	1.0	1.4	1.5	1.3	1.4	1.6	3.2	3.3	4.4	2.5	1.1	1.1
3	1.0	1.4	1.5	e1.4	1.4	1.6	3.3	3.4	4.4	2.4	1.2	1.2
4	1.1	1.4	1.4	1.4	1.4	1.7	3.3	3.5	4.4	2.3	1.2	1.2
5	1.0	1.4	1.7	1.4	1.4	1.6	3.5	3.7	4.4	2.1	1.2	1.2
6	1.0	1.4	1.8	1.4	1.4	1.7	3.5	3.9	4.5	2.1	1.1	1.1
7	1.0	1.4	1.9	1.4	1.4	1.8	3.6	4.0	4.4	2.0	1.2	1.1
8	1.0	1.4	1.5	1.4	1.4	2.0	3.6	4.2	4.4	1.9	1.1	0.99
9	1.0	1.3	1.4	1.4	e1.4	2.3	3.6	4.3	4.5	1.9	1.1	0.98
10	1.1	1.3	1.6	1.4	e1.4	2.4	3.6	4.4	4.4	1.8	1.1	0.97
11	1.1	1.3	1.4	1.4	1.4	2.3	3.5	4.4	4.2	1.8	1.0	0.94
12	1.1	1.3	1.4	1.4	e1.4	2.3	3.5	4.3	4.0	1.7	1.0	0.96
13	1.1	1.2	1.4	1.4	1.4	2.4	3.5	4.2	3.9	1.7	1.1	1.0
14	1.1	1.3	1.4	1.4	1.4	2.5	3.5	4.1	3.7	1.6	1.1	1.1
15	1.1	1.4	e1.4	1.4	1.4	2.5	3.4	4.0	3.6	1.6	1.2	1.1
16	1.1	1.3	1.4	1.4	1.5	2.6	3.3	3.8	3.5	1.6	1.3	1.1
17	1.0	1.4	1.3	1.4	2.0	2.6	3.2	3.7	3.4	1.5	1.2	1.0
18	1.0	1.4	1.3	1.4	1.9	2.9	3.2	3.7	3.4	1.6	1.1	1.1
19	1.0	1.3	1.3	1.4	1.7	3.2	3.0	3.8	3.3	1.6	1.1	1.3
20	1.0	1.3	1.4	1.4	1.6	3.2	3.1	3.9	3.2	1.5	1.3	1.5
21	1.0	1.1	1.4	1.3	1.6	3.2	3.2	3.9	3.2	1.5	1.2	1.4
22	1.0	1.2	1.3	e1.4	1.6	3.5	3.1	3.8	3.0	1.4	1.2	1.4
23	1.1	e1.3	1.3	1.4	1.6	3.6	3.1	3.7	3.0	1.4	1.3	1.3
24	1.1	1.4	1.4	1.4	1.6	3.6	3.1	3.9	2.8	1.4	1.2	1.2
25	1.2	1.5	1.4	1.3	1.5	3.5	3.1	3.9	2.7	1.4	1.2	1.2
26	1.3	1.3	e1.4	1.3	1.6	3.3	3.1	3.9	2.7	1.5	1.5	1.2
27	1.3	e1.3	e1.4	1.3	1.7	3.1	3.2	4.0	2.7	1.4	1.3	1.2
28	1.3	1.3	1.3	1.3	1.6	3.0	3.4	4.7	2.7	1.3	1.2	1.2
29	1.3	e1.3	e1.4	1.4	1.6	3.1	3.3	4.4	2.7	1.2	1.2	1.2
30	1.4	e1.3	1.4	1.4	---	3.2	3.2	4.4	3.0	1.2	1.1	1.3
31	1.3	---	1.4	e1.4	---	3.3	---	4.3	---	1.2	1.1	---
TOTAL	34.05	39.7	44.6	42.8	44.1	81.2	99.5	122.8	108.9	52.8	36.4	34.54
MEAN	1.10	1.32	1.44	1.38	1.52	2.62	3.32	3.96	3.63	1.70	1.17	1.15
MAX	1.4	1.5	1.9	1.4	2.0	3.6	3.6	4.7	4.5	2.7	1.5	1.5
MIN	0.95	1.1	1.3	1.3	1.4	1.6	3.0	3.3	2.7	1.2	1.0	0.94
AC-FT	68	79	88	85	87	161	197	244	216	105	72	69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2004, BY WATER YEAR (WY)

MEAN	1.76	1.80	1.67	1.74	1.84	2.54	3.81	8.22	8.02	3.52	1.76	1.54
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	1.85	1.36	0.82	0.55	0.39	0.46
(WY)	(1993)	(1993)	(1995)	(1993)	(1989)	(1991)	(2003)	(1992)	(1992)	(1992)	(1992)	(1992)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1987 - 2004

ANNUAL TOTAL	665.71	741.39	
ANNUAL MEAN	1.82	2.03	3.19
HIGHEST ANNUAL MEAN			8.41
LOWEST ANNUAL MEAN			1.21
HIGHEST DAILY MEAN	7.4	Jun 1	4.7
LOWEST DAILY MEAN	0.88	Sep 7	0.94
ANNUAL SEVEN-DAY MINIMUM	0.90	Sep 24	0.99
MAXIMUM PEAK FLOW			5.4
MAXIMUM PEAK STAGE			4.49
ANNUAL RUNOFF (AC-FT)	1,320	1,470	2,310
10 PERCENT EXCEEDS	2.9	3.7	5.6
50 PERCENT EXCEEDS	1.5	1.4	1.9
90 PERCENT EXCEEDS	1.0	1.1	0.97

e Estimated

BLACK ROCK DESERT, SMOKE CREEK DESERT

10353800 SMOKE CREEK BELOW RESERVOIR NEAR SMOKE CREEK, NEV.—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	795.53		1,718.10			
ANNUAL MEAN	2.18		4.69		12.3	
HIGHEST ANNUAL MEAN					51.1	
LOWEST ANNUAL MEAN					1.41	
HIGHEST DAILY MEAN	13	Dec 19	50	Mar 2	1,790	Jan 14, 1995
LOWEST DAILY MEAN	0.00	Jun 18	0.00	Oct 1	0.00	Jul 6, 1989
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 18	0.00	Oct 1	0.00	Jul 6, 1989
MAXIMUM PEAK FLOW			52	Mar 1	4,320	Mar 9, 1995
MAXIMUM PEAK STAGE			4.79	Mar 1	8.43	Mar 9, 1995
ANNUAL RUNOFF (AC-FT)	1,580		3,410		8,910	
10 PERCENT EXCEEDS	5.6		9.1		20	
50 PERCENT EXCEEDS	1.7		1.7		3.1	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

UPPER SNAKE RIVER BASIN, SALMON FALLS

13105000 SALMON FALLS CREEK NEAR SAN JACINTO, NV

LOCATION.--Lat 41°56'41", long 114°41'19"(revised), (NAD83), in NE¼SW¼ sec.23, T.47 N., R.64 E., Elko County, Nevada, Jackpot quad., 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 mi², 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 Sept. 30, 1916, Oct. 1, 1918 to Aug. 28, 1964, water-stage recorder at site 35 ft upstream at same datum. See schematic diagram of Middle Snake River Basin - Boise and Upper Snake River Basins.

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 ft³/s May 16, 1984, gage height, 14.27 ft; minimum, 2.6 ft³/s Sept. 4, 1961, gage height, 3.37 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 459 ft³/s May 25; minimum daily, 17 ft³/s Aug. 14-15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	54	63	53	47	57	252	219	285	56	28	20
2	37	54	60	48	50	56	272	206	256	55	27	19
3	39	55	57	47	54	57	254	208	240	56	26	23
4	41	56	56	34	54	58	261	216	231	59	24	21
5	38	55	55	42	54	59	285	244	219	59	23	25
6	40	55	55	40	47	59	322	297	e210	54	22	26
7	44	54	57	38	49	59	387	333	e200	49	21	27
8	44	54	58	51	48	59	415	347	e200	43	20	26
9	44	57	55	54	52	63	426	343	e190	40	20	25
10	43	57	54	53	42	69	418	342	e180	41	19	24
11	45	56	55	48	44	82	409	350	e180	36	19	25
12	45	54	55	46	48	93	e400	368	e170	35	19	25
13	45	54	56	44	42	102	e390	363	160	33	18	27
14	45	55	58	44	46	112	e370	325	144	33	17	30
15	45	55	52	44	54	124	e360	285	131	32	17	28
16	46	54	42	48	55	133	e350	255	112	35	19	29
17	45	55	49	54	63	139	e340	233	92	35	22	30
18	46	55	51	47	66	149	e330	210	89	33	24	30
19	47	54	53	52	63	194	e310	197	86	33	29	33
20	46	54	55	52	60	264	e290	192	80	e35	28	43
21	47	56	55	52	58	365	e280	197	73	33	40	47
22	47	51	54	46	57	385	e270	207	71	37	32	46
23	48	38	53	37	58	415	e260	219	66	37	30	45
24	48	43	54	39	58	430	e250	232	64	36	27	45
25	49	54	56	47	59	459	e230	222	62	34	25	44
26	49	53	54	48	63	443	e220	212	61	39	24	43
27	49	47	36	51	64	438	208	211	65	38	23	43
28	50	51	42	54	61	345	209	262	65	35	23	42
29	51	57	42	56	59	279	227	315	59	32	22	45
30	52	65	53	57	---	243	248	348	59	32	21	52
31	53	---	53	53	---	235	---	324	---	30	20	---
TOTAL	1405	1612	1648	1479	1575	6025	9243	8282	4100	1235	729	988
MEAN	45.3	53.7	53.2	47.7	54.3	194	308	267	137	39.8	23.5	32.9
MAX	53	65	63	57	66	459	426	368	285	59	40	52
MIN	37	38	36	34	42	56	208	192	59	30	17	19
AC-FT	2790	3200	3270	2930	3120	11950	18330	16430	8130	2450	1450	1960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2004, BY WATER YEAR (WY)

	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	49.2	58.4	58.6	68.3	96.7	164	345	454	270	62.3	27.5	32.3																																																																																			
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1910 - 2004	
ANNUAL TOTAL	26217		38321			
ANNUAL MEAN	71.8		105		140	
HIGHEST ANNUAL MEAN					439	
LOWEST ANNUAL MEAN					45.4	
HIGHEST DAILY MEAN	321	May 31	459	Mar 25	3620	May 16 1984
LOWEST DAILY MEAN	10	Aug 28	17	Aug 14	3.2	Sep 4 1961
ANNUAL SEVEN-DAY MINIMUM	11	Aug 24	18	Aug 10	5.7	Sep 1 1961
ANNUAL RUNOFF (AC-FT)	52000		76010		101600	
10 PERCENT EXCEEDS	192		285		387	
50 PERCENT EXCEEDS	55		54		62	
90 PERCENT EXCEEDS	17		27		25	

e Estimated

MIDDLE SNAKE RIVER BASIN-BOISE, BRUNEAU RIVER BASIN

13161500 BRUNEAU RIVER AT ROWLAND, NV

LOCATION.--Lat 41°56'00", long 115°40'25" referenced to North American Datum of 1927, in NW ¼ SE ¼ 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 mi².

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 National Geodetic Vertical Datum 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. [See schematic diagram of Middle Snake River Basin - Boise and Upper Snake River Basins.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,140 ft³/s, May 14, 1984, gage height, 12.01 ft; minimum daily, 1.7 ft³/s, August 28-30, 2001.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
March 24	0545	*659	*5.72	May 6	0230	303	4.35
April 8	0230	508	5.20	May 28	1845	268	4.18

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	9.0	e18	19	e21	27	311	211	192	40	8.3	6.2
2	5.0	9.2	e18	19	e21	32	269	218	188	39	7.9	6.0
3	5.5	11	18	e18	e21	28	291	232	190	40	8.2	6.7
4	5.8	11	16	e18	e21	33	326	256	195	43	7.8	7.4
5	5.7	11	17	e18	21	31	348	284	195	37	7.3	7.3
6	5.8	11	18	e18	21	33	386	291	192	33	7.0	7.0
7	5.9	11	22	e18	e21	31	464	284	185	30	6.9	6.6
8	5.9	13	22	e18	e21	35	471	269	172	27	6.8	6.0
9	5.8	13	17	e18	e21	48	416	255	157	26	6.1	5.7
10	5.8	15	17	e18	e21	69	363	249	145	27	5.5	5.5
11	6.4	14	19	18	e21	94	318	256	135	24	5.1	5.3
12	6.6	14	16	e18	e21	109	294	239	121	21	4.9	5.2
13	6.7	14	19	e18	e21	123	285	220	110	18	4.7	5.6
14	6.8	15	22	e18	e21	168	274	199	103	17	4.9	6.4
15	6.9	15	20	e18	e22	216	249	180	97	16	5.9	7.0
16	7.1	15	e19	e18	23	225	226	168	92	16	6.9	6.9
17	7.3	17	e18	e18	31	245	236	159	86	17	10	6.7
18	7.2	16	e17	e18	34	269	225	157	81	18	14	6.8
19	7.1	15	e18	e18	34	330	206	154	77	20	11	11
20	7.3	16	18	e18	29	395	191	153	73	22	9.7	13
21	7.3	16	18	e18	29	458	202	152	69	19	10	11
22	7.4	14	17	e18	31	499	219	162	64	16	9.3	9.7
23	7.5	11	17	e18	31	512	219	180	59	17	9.4	9.1
24	7.7	16	e17	e18	31	593	218	167	57	14	9.0	8.8
25	8.1	17	e17	e18	31	522	205	151	56	13	8.6	8.3
26	8.2	16	17	e19	34	460	204	145	55	13	9.4	7.8
27	8.4	15	18	e20	32	358	218	162	53	12	12	7.6
28	8.5	17	e18	21	32	296	239	215	51	11	9.9	7.4
29	8.6	16	e18	21	29	263	237	245	46	10	8.6	7.4
30	9.1	e18	e18	23	---	276	219	222	43	9.5	7.7	8.3
31	9.2	---	e18	e21	---	301	---	204	---	9.0	7.0	---
TOTAL	215.3	421.2	562	577	747	7,079	8,329	6,439	3,339	674.5	249.8	223.7
MEAN	6.95	14.0	18.1	18.6	25.8	228	278	208	111	21.8	8.06	7.46
MAX	9.2	18	22	23	34	593	471	291	195	43	14	13
MIN	4.7	9.0	16	18	21	27	191	145	43	9.0	4.7	5.2
AC-FT	427	835	1,110	1,140	1,480	14,040	16,520	12,770	6,620	1,340	495	444

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2004, BY WATER YEAR (WY)

MEAN	20.9	26.8	27.7	37.6	53.3	158	310	377	207	50.6	16.3	14.2
MAX	52.2	58.5	56.3	137	276	608	666	1,256	744	257	86.5	39.8
(WY)	(1985)	(1985)	(1976)	(1971)	(1986)	(1972)	(1914)	(1984)	(1984)	(1984)	(1984)	(1984)
MIN	6.95	11.7	11.9	12.0	16.0	37.4	55.0	50.4	14.7	5.60	2.59	3.87
(WY)	(2004)	(2002)	(2003)	(1992)	(2001)	(1981)	(1968)	(1992)	(1992)	(1992)	(2001)	(1981)

MIDDLE SNAKE RIVER BASIN-BOISE, BRUNEAU RIVER BASIN

13161500 BRUNEAU RIVER AT ROWLAND, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1913 - 2004	
ANNUAL TOTAL	20,505.4		28,856.5			
ANNUAL MEAN	56.2		78.8		108	
HIGHEST ANNUAL MEAN					290	1984
LOWEST ANNUAL MEAN					24.2	1992
HIGHEST DAILY MEAN	322	May 11	593	Mar 24	2,070	May 14, 1984
LOWEST DAILY MEAN	4.1	Aug 15	4.7	Oct 1	1.7	Aug 28, 2001
ANNUAL SEVEN-DAY MINIMUM	4.3	Aug 14	5.3	Aug 9	1.9	Aug 26, 2001
MAXIMUM PEAK FLOW			659	Mar 24	2,140	May 14, 1984
MAXIMUM PEAK STAGE			5.72	Mar 24	12.01	May 14, 1984
ANNUAL RUNOFF (AC-FT)	40,670		57,240		78,540	
10 PERCENT EXCEEDS	217		249		330	
50 PERCENT EXCEEDS	18		18		34	
90 PERCENT EXCEEDS	5.0		6.9		9.8	

e Estimated

MIDDLE SNAKE RIVER BASIN-BOISE, BRUNEAU RIVER BASIN

13162225 JARBIDGE RIVER BELOW JARBIDGE, NV

LOCATION.--Lat 41°53'26", long 115°25'40" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec. 09, T.46 N., R.58 E., Elko County, Hydrologic Unit 17050102, in Humboldt National Forest, on right bank, 1.0 mi north of Jarbidge.

DRAINAGE AREA.--30.6 mi².

PERIOD OF RECORD.--April 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,050 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. [See schematic diagram of Middle Snake River Basin - Boise and Upper Snake River Basins.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 824 ft³/s, May 24, 1999, gage height, 5.50 ft; minimum daily, 2.5 ft³/s, August 23, 26, 29, 30, September 16, 2000, and September 11, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 320 ft³/s, May 28, gage height, 4.88 ft; minimum daily discharge, 2.7 ft³/s, November 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	2.7	5.2	4.7	e6.7	8.2	44	74	153	27	7.4	4.8
2	4.0	3.1	4.5	6.3	6.4	8.1	42	99	171	25	7.5	5.0
3	4.2	3.5	4.2	6.2	6.5	8.4	50	146	194	25	7.3	5.3
4	4.1	3.4	4.0	e5.8	6.2	8.2	66	199	215	22	6.9	5.6
5	4.1	3.3	4.4	e5.4	e6.0	8.3	78	244	240	20	6.6	5.3
6	4.1	3.2	4.7	e5.0	e6.0	8.2	92	226	226	19	6.7	5.1
7	4.0	3.5	6.3	4.6	5.9	8.5	110	212	218	16	6.6	4.8
8	3.8	3.6	4.7	4.6	5.8	12	103	197	186	16	6.4	4.5
9	3.8	3.9	5.4	4.6	5.9	17	89	181	149	16	6.1	4.3
10	3.7	3.7	5.1	4.6	e6.0	20	75	179	129	15	5.7	4.1
11	3.9	3.7	4.5	e4.6	e6.1	22	68	142	105	13	5.4	4.0
12	3.9	3.6	4.2	e4.6	e6.3	24	71	120	89	12	5.3	4.0
13	3.8	3.7	4.7	e4.6	e6.4	26	81	105	80	11	5.2	4.2
14	4.0	3.5	4.3	e4.6	6.7	28	79	90	84	10	5.2	4.4
15	4.0	3.7	4.5	e4.6	6.7	26	67	82	89	10	5.6	4.4
16	4.0	3.6	e4.4	e4.6	7.1	27	58	79	84	10	6.0	4.4
17	4.0	3.7	4.3	e4.6	8.7	31	53	85	76	10	8.9	4.1
18	3.9	3.9	4.2	e4.6	9.4	37	46	100	70	10	7.5	4.5
19	3.7	4.1	4.9	e4.6	8.6	47	41	106	66	11	6.1	9.5
20	3.6	4.0	4.9	e4.6	9.9	52	38	107	62	15	6.1	11
21	3.6	3.6	4.6	e4.6	e9.7	60	36	107	57	12	6.8	8.1
22	3.6	3.5	4.1	e4.6	9.4	69	34	108	52	12	5.9	7.6
23	3.5	5.7	4.6	e5.0	8.9	76	39	111	48	11	5.9	7.6
24	3.5	3.8	4.6	e5.5	9.2	77	46	98	43	10	5.9	7.4
25	3.4	3.4	4.6	e6.0	8.9	63	50	89	40	10	5.6	7.2
26	3.4	3.3	4.3	6.5	9.0	52	59	86	39	9.6	8.1	7.1
27	3.5	3.9	4.6	6.6	8.3	42	79	121	35	9.1	7.4	7.1
28	3.6	3.5	5.0	6.4	8.2	34	95	227	33	8.4	6.2	6.5
29	3.5	5.4	e4.8	6.5	7.8	31	84	223	31	8.3	5.6	6.6
30	3.5	8.8	4.6	6.5	---	36	72	174	29	8.1	5.4	6.7
31	3.0	---	4.4	6.9	---	44	---	152	---	7.8	5.2	---
TOTAL	116.4	116.3	143.6	162.9	216.7	1,010.9	1,945	4,269	3,093	419.3	196.5	175.2
MEAN	3.75	3.88	4.63	5.25	7.47	32.6	64.8	138	103	13.5	6.34	5.84
MAX	4.2	8.8	6.3	6.9	9.9	77	110	244	240	27	8.9	11
MIN	3.0	2.7	4.0	4.6	5.8	8.1	34	74	29	7.8	5.2	4.0
AC-FT	231	231	285	323	430	2,010	3,860	8,470	6,130	832	390	348

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	5.05	5.80	5.53	6.02	7.09	16.1	46.8	134	108	17.6	5.67	4.70
MAX	8.33	9.66	7.52	6.64	8.47	32.6	64.8	170	189	55.4	9.15	6.86
(WY)	(1999)	(1999)	(1999)	(1999)	(2001)	(2004)	(2004)	(1999)	(1998)	(1998)	(1998)	(1998)
MIN	3.66	3.88	4.63	5.22	5.42	9.46	27.5	105	28.5	6.96	3.02	3.06
(WY)	(2002)	(2004)	(2004)	(2001)	(2002)	(2002)	(2001)	(2000)	(2001)	(2000)	(2000)	(2001)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1998 - 2004

ANNUAL TOTAL	10,129.4	11,864.8	
ANNUAL MEAN	27.8	32.4	28.6
HIGHEST ANNUAL MEAN			39.1
LOWEST ANNUAL MEAN			19.4
HIGHEST DAILY MEAN	428	May 28	541
LOWEST DAILY MEAN	2.7	Nov 1	2.5
ANNUAL SEVEN-DAY MINIMUM	3.2	Oct 31	2.6
MAXIMUM PEAK FLOW			824
MAXIMUM PEAK STAGE		4.88	5.50
ANNUAL RUNOFF (AC-FT)	20,090	23,530	20,730
10 PERCENT EXCEEDS	60	98	78
50 PERCENT EXCEEDS	6.1	7.1	6.9
90 PERCENT EXCEEDS	3.7	3.8	4.0

e Estimated

MIDDLE SNAKE RIVER BASIN-BOISE, UPPER OWYHEE RIVER BASIN

13174500 OWYHEE RIVER NEAR GOLD CREEK, NV

LOCATION.--Lat 41°41'20", long 115°50'38" referenced to North American Datum of 1927, in NE ¼ NW ¼ 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 mi².

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. [See schematic diagram of Middle Snake River Basin - Boise and Upper Snake River Basins.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,810 ft³/s, May 5, 1922, gage height, 10.11 ft, site and datum then in use; no flow many days, some years, due to gage regulation on reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 119 ft³/s, June 20, gage height, 1.93 ft; minimum daily discharge, 0.10 ft³/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	22	e0.10	1.9	e0.10	e0.10	e0.10	e0.10	36	100	52	72
2	21	22	1.4	1.9	e0.10	e0.10	e0.10	e0.10	36	101	52	72
3	21	22	1.9	1.9	e0.10	e0.10	e0.10	e0.10	36	101	51	72
4	21	22	1.9	1.9	e0.10	e0.10	e0.10	e0.10	37	100	51	72
5	21	22	1.9	1.8	e0.10	e0.10	e0.10	e0.10	37	100	51	72
6	21	22	1.9	1.8	e0.10	e0.10	e0.10	e0.10	37	99	52	72
7	21	22	1.9	1.8	e0.10	e0.10	e0.10	e0.10	37	100	52	72
8	21	22	1.9	1.8	e0.10	e0.10	e0.10	e0.10	54	99	53	72
9	21	22	e1.9	1.9	e0.10	e0.10	e0.10	e0.10	78	93	58	72
10	21	16	1.9	1.8	e0.10	e0.10	e0.10	e0.10	78	86	61	71
11	21	7.7	1.9	e0.10	e0.10	e0.10	e0.10	e0.10	78	88	61	70
12	21	7.6	1.9	e0.10	e0.10	e0.10	e0.10	e0.10	79	88	62	69
13	21	7.7	1.9	e0.10	e0.10	e0.10	e0.10	e0.10	79	87	62	70
14	21	7.7	1.9	e0.10	e0.10	e0.10	e0.10	e0.10	79	71	64	69
15	21	7.7	1.9	e0.10	e0.10	e0.10	e0.10	e0.10	78	51	65	69
16	21	7.7	1.9	e0.10	e0.10	e0.10	e0.10	e0.10	97	50	65	70
17	22	7.6	1.9	e0.10	e0.10	e0.10	e0.10	e0.10	110	50	65	44
18	22	7.5	1.9	e0.10	e0.10	e0.10	e0.10	12	111	51	66	e2.2
19	22	7.4	1.9	e0.10	e0.10	e0.10	e0.10	30	111	51	e65	e2.2
20	22	7.5	1.9	e0.10	e0.10	e0.10	e0.10	31	112	51	e65	2.2
21	22	7.4	1.9	e0.10	e0.10	e0.10	e0.10	31	111	50	e66	2.2
22	22	3.9	1.9	e0.10	e0.10	e0.10	e0.10	32	108	51	67	2.1
23	22	e0.10	1.9	e0.10	e0.10	e0.10	e0.10	32	105	50	68	2.0
24	22	e0.10	1.9	e0.10	e0.10	e0.10	e0.10	33	104	50	69	2.0
25	22	e0.10	1.9	e0.10	e0.10	e0.10	e0.10	33	104	51	69	2.0
26	22	e0.10	1.9	e0.10	e0.10	e0.10	e0.10	34	103	51	70	2.0
27	22	e0.10	1.9	e0.10	e0.10	e0.10	e0.10	35	102	51	70	1.9
28	22	e0.10	1.9	e0.10	e0.10	e0.10	e0.10	35	100	51	72	2.5
29	22	e0.10	1.9	e0.10	e0.10	e0.10	e0.10	35	100	51	72	e3.6
30	22	e0.10	1.9	e0.10	---	e0.10	e0.10	35	100	51	72	e3.5
31	22	---	1.9	e0.10	---	e0.10	---	36	---	52	73	---
TOTAL	666	302.20	56.60	20.60	2.90	3.10	3.00	445.70	2,437	2,176	1,941	1,210.4
MEAN	21.5	10.1	1.83	0.66	0.10	0.10	0.10	14.4	81.2	70.2	62.6	40.3
MAX	22	22	1.9	1.9	0.10	0.10	0.10	36	112	101	73	72
MIN	21	0.10	0.10	0.10	0.10	0.10	0.10	0.10	36	50	51	1.9
AC-FT	1,320	599	112	41	5.8	6.1	6.0	884	4,830	4,320	3,850	2,400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2004, BY WATER YEAR (WY)

MEAN	12.0	4.37	3.43	4.16	6.89	13.5	81.3	121	89.1	78.8	70.4	35.9
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	1.54	1.00	1.50
(WY)	(1939)	(1939)	(1939)	(1939)	(1939)	(1940)	(1939)	(1941)	(1995)	(1992)	(1918)	(1937)

MIDDLE SNAKE RIVER BASIN-BOISE, UPPER OWYHEE RIVER BASIN

13174500 OWYHEE RIVER NEAR GOLD CREEK, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1916 - 2004	
ANNUAL TOTAL	8,376.40		9,264.50			
ANNUAL MEAN	22.9		25.3		43.0	
HIGHEST ANNUAL MEAN					161	1984
LOWEST ANNUAL MEAN					9.95	1992
HIGHEST DAILY MEAN	143	Jun 17	112	Jun 20	1,470	May 5, 1922
LOWEST DAILY MEAN	0.10	Jan 1	0.10	Nov 23	0.00	Mar 19, 1938
ANNUAL SEVEN-DAY MINIMUM	0.10	Jan 1	0.10	Nov 23	0.00	Mar 19, 1938
MAXIMUM PEAK FLOW			119	Jun 20	1,810	May 5, 1922
MAXIMUM PEAK STAGE			1.93	Jun 20	10.11	May 5, 1922
ANNUAL RUNOFF (AC-FT)	16,610		18,380		31,140	
10 PERCENT EXCEEDS	109		72		125	
50 PERCENT EXCEEDS	1.9		2.2		6.0	
90 PERCENT EXCEEDS	0.10		0.10		0.00	

e Estimated

MIDDLE SNAKE RIVER BASIN-BOISE, UPPER OWYHEE RIVER BASIN

13175100 OWYHEE RIVER NEAR MOUNTAIN CITY, NV

LOCATION.--Lat 41°51'38", long 115°59'18" referenced to North American Datum of 1927, in SE ¼ NW ¼ 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 mi².

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 National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. [See schematic diagram of Middle Snake River Basin - Boise and Upper Snake River Basins.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,850 ft³/s, March 17, 1993, gage height, 9.81 ft; minimum daily, 0.42 ft³/s, August 4, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 463 ft³/s, March 19, gage height, 6.01 ft; minimum daily discharge, 5.4 ft³/s, September 27.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	28	22	e14	e13	43	188	163	153	139	50	71
2	23	29	18	e14	e13	37	165	167	146	146	51	71
3	23	29	16	e13	e13	42	184	175	136	160	52	72
4	23	28	16	e13	e13	33	203	184	128	166	51	72
5	23	28	17	e13	e13	33	227	198	132	154	49	72
6	23	28	17	e13	e13	32	257	201	133	148	50	72
7	23	29	24	e13	e13	33	262	189	128	146	51	70
8	23	29	21	e13	e13	42	255	179	129	145	50	67
9	23	29	19	e13	e13	63	240	170	173	131	52	67
10	23	29	e18	e13	e13	85	220	166	184	117	71	67
11	23	23	e18	e13	e13	94	202	181	183	121	72	70
12	24	19	e19	e13	e13	102	190	170	167	120	71	72
13	25	19	22	e13	e13	119	187	153	155	122	71	75
14	26	19	22	e13	e13	144	182	135	146	119	70	76
15	26	19	e19	e13	e23	164	167	123	137	60	72	75
16	27	20	e18	e13	35	181	152	117	141	57	73	75
17	27	22	e18	e13	59	210	153	103	170	58	78	72
18	27	21	e19	e13	111	240	139	98	167	59	75	32
19	27	21	e19	e13	166	320	127	143	162	61	71	11
20	27	20	20	e13	145	316	120	149	153	67	71	10
21	27	21	19	e13	141	303	139	150	150	62	71	8.4
22	27	20	19	e13	130	306	152	154	147	58	72	7.4
23	28	e18	19	e13	105	296	190	178	150	57	73	6.4
24	27	e17	18	e13	77	301	186	162	156	54	72	6.1
25	27	e16	19	e13	70	260	166	142	157	54	71	5.8
26	27	15	e17	e13	53	243	164	134	146	55	76	5.7
27	27	18	e15	e13	55	206	173	132	145	55	74	5.4
28	27	17	e15	e13	44	178	189	167	147	52	72	6.0
29	28	17	e15	e13	41	163	185	185	145	43	72	5.7
30	28	29	e15	e13	---	169	170	167	140	44	72	6.7
31	28	---	e14	e13	---	180	---	158	---	49	71	---
TOTAL	789	677	567	405	1,437	4,938	5,534	4,893	4,506	2,879	2,047	1,332.6
MEAN	25.5	22.6	18.3	13.1	49.6	159	184	158	150	92.9	66.0	44.4
MAX	28	29	24	14	166	320	262	201	184	166	78	76
MIN	22	15	14	13	13	32	120	98	128	43	49	5.4
AC-FT	1,560	1,340	1,120	803	2,850	9,790	10,980	9,710	8,940	5,710	4,060	2,640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	21.7	20.1	20.6	21.0	33.8	112	170	248	164	95.6	71.0	44.4
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	32.0	35.0	62.2	27.2	2.06	2.72	5.07
(WY)	(1993)	(2002)	(2002)	(2001)	(1998)	(2003)	(1992)	(1992)	(1992)	(1992)	(1992)	(1992)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1991 - 2004
ANNUAL TOTAL	22,345.9	30,004.6	
ANNUAL MEAN	61.2	82.0	86.0
HIGHEST ANNUAL MEAN			143
LOWEST ANNUAL MEAN			21.7
HIGHEST DAILY MEAN	308	320	1,260
LOWEST DAILY MEAN	2.8	5.4	0.42
ANNUAL SEVEN-DAY MINIMUM	3.4	5.9	0.72
MAXIMUM PEAK FLOW		463	1,850
MAXIMUM PEAK STAGE		6.01	9.81
ANNUAL RUNOFF (AC-FT)	44,320	59,510	62,290
10 PERCENT EXCEEDS	155	181	200
50 PERCENT EXCEEDS	27	58	41
90 PERCENT EXCEEDS	5.9	13	12

e Estimated

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 2004. 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. "Period of record" indicates the water years for which the annual maximums have been determined.

Station Name and Number	Location and Drainage Area	Period of Record (water year)	2004 Annual Maximum		Period of Record Maximum			
			Date	Gage Height (feet)	Discharge (ft ³ /s)	Date	Gage Height (feet)	Discharge (ft ³ /s)
LOWER COLORADO RIVER BASIN-LAKE MEAD, MUDDY RIVER BASIN								
California Wash near Moapa, NV (09417300)	Lat 36°36'37", long 114°39'37", in SE ¼ SE ¼ 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, 1987-2004	02-03-04	34.68	E1.0	08-10-81	--	30,600
Weiser Wash near Glendale, NV (09418990)	Lat 36°40'05", long 114°31'10", in SW ¼ SE ¼ 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, 1998-2004	--	--	*	08-29-00	21.02	6,100
LOWER COLORADO RIVER BASIN-LAKE MEAD, LAKE MEAD								
Valley of Fire Wash near Overton, NV (09419545)	Lat 36°24'18", long 114°25'05", in SE ¼ SW ¼ 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, 1987-2004	02-14-04	43.06	26	08-10-81	--	20,800
Gypsum Wash at Northshore Road near Las Vegas Bay, NV (09419910)	Lat 36°08'42", long 114°51'53", in SW ¼ NE ¼ sec.7, T.21 S., R.64 E., Clark County, Hydrologic Unit 15010005, 1.4 mile east of Lake Mead Blvd. on Northshore Rd. Drainage area is 100.8 mi ² .	1984, 1998, 2000-04	02-14-04	--	E0.5	09-11-98	100.17	17,000
LOWER COLORADO RIVER BASIN-LAKE MEAD, LAS VEGAS WASH								
Cottonwood Valley near Blue Diamond, NV (09419680)	Lat 36°00'35", long 115°25'50", in NE ¼ NW ¼ 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 .	1961-2004	12-25-03	--	17	01-25-69	8.53	1,100
Oak Creek Wash near Blue Diamond, NV (09419682)	Lat 36°02'41", long 115°22'38", in SW ¼ SW ¼ 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, 1987-2004	12-25-03	40.86	E60	01-25-69	--	4,950
Bird Spring Wash near Arden, NV (09419685)	Lat 36°00'44", long 115°14'33", in NW ¼ NW ¼ 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 .	1987-2004	--	--	*	07-08-99	44.38	40
LOWER COLORADO RIVER BASIN, PIUTE WASH								
Piute Wash tributary near Searchlight, NV (09423300)	Lat 35°28'00", long 114°56'20", in SE ¼ NE ¼ ec.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, 1998-2004	--	--	*	09-11-98	E21	600

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CREST-STAGE PARTIAL-RECORD STATIONS-Continued

Station Name and Number	Location and Drainage Area	Period of Record (water year)	2004 Annual Maximum			Period of Record Maximum		
			Date	Gage Height (feet)	Discharge (ft ³ /s)	Date	Gage Height (feet)	Discharge (ft ³ /s)
CENTRAL NEVADA DESERT BASINS, DIXIE, GABBS, AND IVANPAH-PAHRUMP VALLEYS								
Dixie Valley tributary near Eastgate, NV (10244360)	Lat 39°17'30", long 117°59'00", in SE ¼ 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 .	1961-2004	08-01-04	4.41	13	08-61	15.00	1,480
Smith Creek Valley tributary near Austin, NV (10249417)	Lat 39°32'21", long 117°28'26", in NE ¼ SE ¼ 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, 1993-2004	10--04	--	3.0	07-84	--	130
Lovell Wash near Blue Diamond, NV (10251980)	Lat 36°00'10", long 115°38'38", in NE ¼ SW ¼ 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 Pahump. Drainage area is 52.8 mi ² .	1966-68, 1969-77+, 1978-81, 1987, 1999-2004	08-16-04	4.41	79	01-25-69	6.90	4,150
NORTHERN MOJAVE, UPPER AMARGOSA RIVER BASIN								
Fortymile Wash near Amargosa Valley, NV (10251258)	Lat 36°40'18", long 116°26'03", in SW ¼ SW ¼ 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+, 1998-2004	--	--	*	07-22-84	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 ¼ SE ¼ 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, 2000-04	08-15-04	20.53	E220	07-6-01	20.27	470
WALKER RIVER BASIN, WEST WALKER RIVER BASIN								
Desert Creek near Wellington, NV (10299100)	Lat 38°38'55", long 119°19'30", in SW ¼ SW ¼ 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, 1999-2004	06-08-04	2.30	14	06-05-99	3.28	262
CARSON RIVER BASIN, UPPER AND MIDDLE CARSON RIVER BASINS								
Indian Creek above Mouth near Gardnerville, NV (10309035)	Lat 38°52'45", long 119°42'04", in NW ¼ NE ¼ 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+, 1999-2004	02-26-04	2.86	132	03-10-95	7.13	1,800
Buckeye Wash at East Valley Road near Minden, NV (10309075)	Lat 38°57'53", long 119°42'13", in SW ¼ NE ¼ 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, 1997-2004	07-03-04	6.10	E990	07-14-92	--	E3,000
Johnson Wash at Fremont Drive near Minden, NV (103090987)	Lat 39°01'31", long 119°42'13", in NE ¼ NW ¼ sec.2, T.13 N., R.20 E., Douglas County, at culvert on Fremont Drive 6 mi northeast of Gardnerville. Hydrologic Unit 16050201. Drainage area is 10.4 mi ² .	1991-97, 1999-2004	--	--	*	07-22-94	--	E1,400
Genoa Canyon Creek at Genoa, NV (10310410)	Lat 39°00'02", long 119°51'00", in SE ¼ SW ¼ 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, 2000-04	06-10-04	10.12	0.8	01-01-97	--	E ¹ 150

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CREST-STAGE PARTIAL-RECORD STATIONS--Continued

Station Name and Number	Location and Drainage Area	Period of Record (water year)	2004 Annual Maximum			Period of Record Maximum		
			Date	Gage Height (feet)	Discharge (ft ³ /s)	Date	Gage Height (feet)	Discharge (ft ³ /s)
CARSON RIVER BASIN, UPPER AND MIDDLE CARSON RIVER BASINS--Continued								
Voltaire Canyon Creek at Carson City, NV (10310600)	Lat 39°07'29", long 119°47'21", in NE ¼ NE ¼ 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, 2000-04	--	--	*	01-02-97	--	118
Brunswick Canyon near New Empire, NV (10311450)	Lat 39°10'20", long 119°41'10", in NW ¼ NE ¼ 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, 1980-2004	08-15-04	2.36	E1.3	03-11-95	5.02	245
Sixmile Canyon Creek at Highway 50 near Dayton, NV (10311725)	Lat 39°17'22", long 119°32'16", in SE ¼ SW ¼ ec.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, 1998-2004	--	--	*	02-19-86	--	500
HUMBOLDT RIVER BASIN, NORTH FORK, UPPER HUMBOLDT, LOWER HUMBOLDT RIVER BASINS, AND PINE								
Gance Creek at State Highway 225 near Tuscarora, NV (10317460)	Lat 40°15'08", long 115°47'44", in SE ¼ SE ¼ sec.20, T.36 N., R.55 E., Elko County, Hydrologic Unit 16040102, on right bank 23 mi east of Tuscarora, and 35 mi north of Elko. Drainage area is 20.2 mi ² .	1980-81, 2004	04-09-04	1.75	27	04-23-80	1.26	62
East Adobe Creek near Elko, NV (10318850)	Lat 40°51'27", long 115°51'13", in SE ¼ SE ¼ 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, 1999-2004	03-19-04	8.36	9.8	07-27-71	--	424
Cole Creek near Palisade, NV (10322980)	Lat 40°35'05", long 116°08'55", in SE ¼ NE ¼ 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, 1985-2004	08-17-04	3.49	4.5	06-83	3.80	1,090
Pole Creek near Golconda, NV (10328000)	Lat 40°54'59", long 117°31'49", in NW ¼ NE ¼ 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 ⁺ , 1999-2004	07-18-04	9.97	22	08-5-61	--	E4,000
TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN AND PYRAMID-WINNEMUCCA LAKES								
Jumbo Wash near New Washoe City, NV (10348600)	Lat 39°16'58", long 119°44'16", in SW ¼ NE ¼ 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, 1999-2004	03-19-04	7.92	0.2	07-22-86	--	1,230
Long Valley Canyon Creek near Lockwood, NV (10350100)	Lat 39°30'04", long 119°38'42", in NW ¼ NW ¼ 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, 1995-2004	08-15-04	88.14	E51	02-19-86	97.54	5,400
Pyramid Lake tributary near Nixon, NV (10351850)	Lat 39°51'30", long 119°28'32", in SW ¼ SE ¼ 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, 1992-2004	--	--	*	02-19-86	3.87	E950

E Estimated

* No evidence of any flow during the water year

+ Operated as a continuous recording station

< Less than

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

MISCELLANEOUS SITES

The following table contains discharge data for the sites that were measured during the water year.

Station name and number	Location and drainage area	Period of record (water years)	Measurements			
			Date	Time	Discharge (ft ³ /s)	
LOWER COLORADO RIVER BASIN-LAKE MEAD, LAKE MEAD						
Colorado River below Hoover Dam, NV 09421500	Lat 36°00'55", long 114°44'16", in NE ¼ SW ¼ sec.03, T.30 N., R.23 W., Mohave-Clark Counties, Hydrologic Unit 15030101, downstream side of Hoover Dam.	1933-2004	11-25-03	1105	5,750	
			11-25-03	1123	6,200	
			03-03-04	1200	7,400	
			05-24-04	1013	14,400	
			05-24-04	1025	17,500	
			05-24-04	1045	21,500	
			06-17-04	1053	30,300	
			06-17-04	1114	14,900	
Station name and number	Location and drainage area	Period of record (water years)	Measurements			
			Date	Discharge (ft ³ /s)	Water Temperature	Specific Conductance
WALKER RIVER BASIN, EAST WALKER RIVER BASIN						
Virginia Creek near Bridgeport, CA (10289000)	Lat 38°11'31", long 119°12'33", in SW ¼ NW ¼ sec.22, T.4 N., R.25 E., Mono County, Hydrologic Unit 16050301, on right bank, 1.2 mi downstream from Clearwater Creek, 3 mi upstream from mouth, and 4.2 mi southeast of Bridgeport.	1954-1975+, 2004	04-02-04	14		
Green Creek near Bridgeport, CA (10289500)	Lat 38°10'26", long 119°13'58", in NE ¼ SE ¼ sec.29, T.4 N., R.25 E., Mono County, Hydrologic Unit 16050301, on right bank, 130 ft downstream from county road bridge, 0.1 mi upstream from diversion to Summers Creek and 5.5 mi south of Bridgeport.	1954-1975+, 2004	04-02-04	28		
By Day Creek near Bridgeport, CA (10291750)	Lat 38°16'08", long 119°18'10", in NW ¼ NW ¼ 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.	1995-2004	10-02-03	.19		
			11-12-03	.28		
			12-18-03	.29		
			02-11-04	.36		
			04-01-04	1.9		
			05-10-04	2.2		
			06-16-04	.51		
			07-30-04	.15		
09-16-04	.13					
Murphy Creek above East Walker River near Bridgeport, CA (10293015)	Lat 38°22'19", long 119°11'50", in NW ¼ SE ¼ 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.	1995-2004	10-02-03	.58		
			11-13-03	1.0		
			12-17-03	1.0		
			02-12-04	.92		
			03-31-04	2.6		
			05-05-04	2.4		
			06-15-04	1.5		
			07-29-04	.34		
09-15-04	.68					

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

MISCELLANEOUS SITES-Continued

Station name and number	Location and drainage area	Period of record (water years)	Measurements						
			Date	Discharge (ft ³ /s)	Water Temperature	Specific Conductance	pH		
WALKER RIVER BASIN, WEST WALKER RIVER BASIN									
Mill Canyon Creek above Lost Cannon Creek near Walker, CA (10296580)	Lat 38°29'12", long 119°29'01", in SE ¼ NE ¼ sec.6, T.7 N., R.23 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.	1995-2004	11-02-03	.73					
			12-18-03	1.2					
			02-11-04	1.0					
			04-01-04	5.2					
			05-10-04	4.4					
			06-16-04	1.8					
			08-03-04	.32					
Desert Creek near Wellington, NV (10299100)	Lat 38°38'55", long 119°19'30", in SW ¼ SW ¼ 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, 1999-2004	03-23-04	7.8					
			05-04-04	13					
			06-08-04	14					
			09-17-04	.33					
WALKER RIVER BASIN, WALKER RIVER BASIN									
Walker River at East Bridge Street near Yerington, NV (10301100)	Lat 38°58'58", long 119°10'52", in NE ¼ NE ¼ sec.21, T.13 N., R.25 E., Lyon County, Hydrologic Unit 16050303, at Bridge Street, 0.8 mi west of Yerington.	1995-2004	10-22-03	75					
			12-02-03	76					
			02-11-04	83					
			03-10-04	64					
			04-14-04	182					
			04-14-04	195					
			05-25-04	268					
			07-08-04	173					
			07-08-04	186					
			08-19-04	99					
			Walker River at PT Site below Weber Reservoir near Schurz, NV (10301720)	Lat 39°02'02", long 118°51'41", in SW ¼ NW ¼ 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.	1994-2004	10-01-03	1.2	23.0	529
						10-14-03	76	17.5	357
						10-29-03	36	13.5	380
03-09-04	2.6	10.5				--			
04-28-04	3.7	15.0				508			
05-13-04	100	19.5				457			
05-26-04	69	19.5				435			
06-09-04	57	20.0				395			
06-23-04	28	25.5				348			
07-07-04	72	24.0				346			
07-22-04	30	26.5				332			
08-04-04	3.2	22.5				398			
08-18-04	3.1	22.5				429			
08-30-04	74	--	347						
09-15-04	70	18.5	390						
Walker River at Powerline Crossing near Schurz, NV (10302005)	Lat 38°53'41", long 118°46'54", in NW ¼ NE ¼ 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.	1994-2004	10-17-03	No flow					
			10-30-03	<.01	9.5	782	7.8		
			03-09-04	1.2	16.5	629	7.6		
			03-27-04	No flow					
			04-21-04	201	12.5	507			
			04-22-04	198	12.0				
			04-23-04	164	13.5	478	8.6		
			04-29-04	5.9	10.5	564	7.9		
			05-12-04	.15	23.0	654	7.8		
			05-25-04	No flow		529			
			06-08-04	No flow					
			06-11-04	No flow					
			06-14-04	72	23.0	394	8.1		
			06-15-04	70	20.5				
			06-22-04	31	23.0	394	8.1		
			06-28-04	14	20.5				
			07-08-04	No flow					
			07-21-04	No flow					
			08-05-04	No flow					
08-09-04	No flow								
08-18-04	No flow								
08-30-04	No flow								
09-16-04	No flow								
09-18-04	32								

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

MISCELLANEOUS SITES-Continued

Station name and number	Location and drainage area	Period of record (water years)	Measurements				
			Date	Discharge (ft ³ /s)	Water Temperature	Specific Conductance pH	
WALKER RIVER BASIN, WALKER RIVER BASIN							
Walker River near mouth at Walker Lake, NV (10302025)	Lat 38°47'28", long 118°43'34", in SE ¼ SE ¼ 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.	1994-2004	10-17-03	No flow			
			10-30-03	No flow	0.5	530	
			01-26-04	41			
			03-09-04	1.7	19.0	591	
			04-21-04	189			
			04-22-04	198	18.0		
			04-23-04	165	7.0	874	8.3
			04-30-04	4.1	25.0	1320	8.7
			05-12-04	.46	27.5	1340	8.9
			05-27-04	.31			
			05-27-04	.30			
			05-27-04	.13			
			05-27-04	.15			
			06-08-04	No flow			
			06-11-04	No flow			
			06-14-04	79			
			06-15-04	68	29.5	477	8.5
			06-22-04	28	17.0		
			06-28-04	14			
			07-08-04	No flow			
07-21-04	No flow						
08-05-04	No flow						
08-18-04	No flow						
08-30-04	No flow						
09-16-04	No flow						
09-18-04	No flow						

Station name and number	Location and drainage area	Period of record (water years)	Measurements	
			Date	Discharge (ft ³ /s)
CARSON RIVER BASIN, UPPER CARSON RIVER BASIN				
Aspen Creek above Leviathan Creek, near Markleeville, CA (103087898)	Lat 38°42'02", long 119°39'30", in NE ¼ NW ¼ 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.	1999-2004	10-08-03	.13
			11-19-03	.25
			12-17-03	.19
			01-23-04	.23
			02-23-04	.18
			03-24-04	.56
			04-20-04	.27
			05-24-04	.21
			06-25-04	.17
			07-23-04	.11
Indian Creek above Mouth near Gardnerville, NV (10309035)	Lat 38°52'45", long 119°42'04", in NW ¼ NE ¼ 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 .	1994-1998	10-07-03	.24
			02-10-04	.42
			08-04-04	.02
Jobs Canyon Creek near Minden, NV (10310360)	Lat 38°53'26", long 119°50'20", in SW ¼ NW ¼ 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, 1981-1983, 1989-2004	07-01-04	1.6
			09-30-04	1.2
			12-28-04	1.5
Stutler Canyon Creek near Minden, NV (10310375)	Lat 38°54'35", long 119°50'32", in NW ¼ NW ¼ sec.15, T.12 N., R.19 E., Douglas County, Hydrologic Unit 16050201, 5.3 mi southwest of Minden.	1997-2004	07-01-04	.24
			09-30-04	.29
			12-28-04	.46
Monument Creek near Minden, NV (10310380)	Lat 38°55'03", long 119°50'44", in NE ¼ SE ¼ sec.9, T.12 N., R.19 E., Douglas County, Hydrologic Unit 16050201, above diversion structure and 5.0 mi southwest of Minden.	1997-2004	07-01-04	2.1
			09-30-04	2.6
			12-28-04	2.8

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

MISCELLANEOUS SITES--Continued

Station name and number	Location and drainage area	Period of record (water years)	Measurements	
			Date	Discharge (ft ³ /s)
CARSON RIVER BASIN, UPPER CARSON RIVER BASIN--Continued				
Genoa Canyon Creek at Genoa, NV (10310410)	Lat 39°00'02", long 119°51'00", in SE ¼ SW ¼ 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 .	1969,1972, 1976,1977,	06-10-04	.77
			07-29-04	.46
		1981,1982, 1989-2004	09-02-04	.42
James Canyon Creek near Genoa, NV (10310425)	Lat 39°03'07", long 119°50'25", in NW ¼ NE ¼ sec.27, T.14 N., R.19 E., Douglas County, Hydrologic Unit 16050201, 3.3 mi north of Genoa.	1997-2004	07-01-04	.56
			09-30-04	.47
			12-28-04	.45
Water Canyon near Genoa, NV (10310430)	Lat 39°04'17", long 119°50'52", in SW ¼ SE ¼ 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.	1996-2004	06-30-04	.66
			09-30-04	.70
			12-29-04	.86
Vicee Canyon Creek near Carson City, NV (10311250)	Lat 39°11'12", long 119°48'53", in SW ¼ SE ¼ sec.02, T.15 N., R.19 E., Carson City, Hydrologic Unit 16050201, 2.1 mi west of intersection of West Ormsby Boulevard and Combs Canyon Road.	1984-85	12-12-02	.02
			1989-97+	01-21-03
		1998-2004	07-27-04	.01
			07-29-04	.01
			08-15-04	.21
Vicee Canyon Creek near Sagebrush Ranch near Carson City, NV (10311260)	Lat 39°11'03", long 119°48'18", in NE ¼ NE ¼ sec.11, 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	10-08-03	No flow
			1989-97+	11-10-03
		1998-2004	01-08-04	No flow
			02-09-04	No flow
			03-15-04	1.7
			05-11-04	.20
			06-10-04	No flow
			08-03-04	No flow
			09-07-04	.07
CARSON RIVER BASIN, MIDDLE CARSON RIVER BASINS				
Carson River below Dayton, NV (10311715)	Lat 39°16'56", long 119°32'01", in SW ¼ NE ¼ sec.05, T.16 N., R.22 E., Lyon County, Hydrologic Unit 16050202, on left bank, 5.3 mi downstream of Dayton Valley Road bridge in Dayton.	1994-97+, 1998, 2004	10-01-03	4.0
			11-24-03	73
			01-07-04	129
			02-20-04	249
			04-12-04	513
			05-13-04	530
			06-23-04	60
			08-18-04	3.1
			09-15-04	2.1
Carson River near Silver Springs, NV (10312020)	Lat 39°16'56", long 119°32'01", in NE ¼ SE ¼ sec.35, T.17 N., R.24 E., Lyon County, Hydrologic Unit 16050202, at Weeks bridge, 8.5 mi south of Silver Springs, NV.	2001-2004	10-23-03	3.8
			11-20-03	84
			12-29-03	153
			01-20-04	171
			02-23-04	231
			03-17-04	509
			03-24-04	793
			04-06-04	641
			04-21-04	308
			05-05-04	784
06-16-04	203			
07-27-04	5.9			
08-24-04	3.3			
09-20-04	0.9			

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

MISCELLANEOUS SITES--Continued

Station name and number	Location and drainage area	Period of record (water years)	Measurements	
			Date	Discharge (ft ³ /s)
HUMBOLDT RIVER BASIN, NORTH FORK HUMBOLDT RIVER				
Gance Creek at State Highway 225 near Tuscarora, NV (10317460)	Lat 41°15'08", long 115°47'44", in SE ¼ SE ¼ sec.20, T.39 N., R.55E., Elko County, Hydrologic Unit 16040102, right bank, 7 mi north of intersection of Hwy's 225 and 226, on State route 255	1979-82,	03-18-04	9.2
		2004	06-16-04	.33
HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN				
East Adobe Creek near Elko, NV (10318850)	Lat 40°51'27", long 115°51'13", in SE ¼ SE ¼ 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,	03-15-04	8.4
		1999-2004	03-15-04	8.5
			03-25-04	2.9
			04-09-04	.47
			04-22-04	.32
05-18-04	.16			
HUMBOLDT RIVER BASIN, PINE				
Cole Creek near Palisade, NV (10322980)	Lat 40°35'05", long 116°08'55", in SE ¼ NE ¼ 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	03-30-04	.73
		1985-2004	05-18-04	.06
			06-30-04	.04
			09-03-04	.13
HUMBOLDT RIVER BASIN, LOWER HUMBOLDT RIVER BASIN				
Pole Creek near Golconda, NV (10328000)	Lat 40°54'59", long 117°31'49", in NW ¼ NE ¼ 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	11-05-03	.34
		1999-2004	12-18-03	.62
			01-29-04	.84
			03-24-04	15
			05-04-04	16
			06-17-04	4.6
			08-04-04	.09
			09-09-04	.08
TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN				
Burke Creek below Highway 50 near Stateline, NV (10336747)	Lat 38°58'17", long 119°56'03", in SW ¼ NW ¼ sec.23, T.13 N., R.18 E., Douglas County, Hydrologic Unit 16050101, downstream of U.S. Highway 50, and about 1.0 mi northeast of Stateline.	2004	10-09-03	.22
			11-05-03	.33
			12-04-03	.30
			01-09-04	.42
			02-06-04	.44
			03-04-04	.43
			03-18-04	1.0
			04-09-04	.42
			05-05-04	.23
			06-04-04	.26
			07-05-04	.27
			08-05-04	.12
			09-10-04	.12
Cold Creek at Pioneer trail near South Lake Tahoe, CA (10336778)	Lat 38°54'32", long 119°57'39", in NE ¼ NW ¼ sec.11, T.12 N., R.18 E., Eldorado County, Hydrologic Unit 16050101, upstream of Pioneer Trail Road, and about 2.5 mi south of South Lake Tahoe.	2001-2003 ⁺	12-14-03	5.3
		2004	01-13-04	5.8
			04-16-04	8.9
			04-19-04	8.2
			05-27-04	9.8
			06-30-04	9.9
			08-05-04	6.1
McCrays Canyon near Carson City, NV (10348480)	Lat 39°12'13", long 119°52'48", in SW ¼ SW ¼ 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,	10-08-03	.16
		1985-92,	02-10-04	.11
		1994-2004	06-03-04	1.2
Jumbo Wash near New Washoe City, NV (10348600)	Lat 39°16'58", long 119°44'16", in SW ¼ NE ¼ 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	1986, 1991,	02-09-04	.05
		1999-2004	03-19-04	.23
			05-07-04	.12

⁺ Operated as a continuous recording station