SNAKE VALLEY

10243260 LEHMAN CREEK NEAR BAKER, NV

LOCATION.--Lat 39°00'42", long 114°12'49", in sec. 10, T.13 N., R.69 E., White Pine County, Hydrologic Unit 16020301, Great Basin National Park, on left bank, 4.8 miles west of Baker.

DRAINAGE AREA.--11.0 mi^2.

PERIOD OF RECORD.--December 1947 to September 1955, October 1992 to September 1997, July to September 2002.

GAGE.--Water-stage recorder. Elevation of gage is 6,730 ft above NGVD of 1929, from topographic map. Prior to October 3, 1953, at site 45 ft downstream at same datum.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80 ft^3/s, June 29, 1995, gage height, 5.01 ft; minimum daily, 0.63 ft3/s, March 3, 1993

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period July 17 to September 30, 7.7 ft^3/s, gage height, 1.72 ft, July 17; minimum daily, 2.5 ft^3/s, September 27.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	4.2	3.1
2	---	---	---	---	---	---	---	---	---	---	4.3	3.0
3	---	---	---	---	---	---	---	---	---	---	4.2	2.9
4	---	---	---	---	---	---	---	---	---	---	4.2	2.9
5	---	---	---	---	---	---	---	---	---	---	4.3	3.0
6	---	---	---	---	---	---	---	---	---	---	4.3	3.2
7	---	---	---	---	---	---	---	---	---	---	4.3	3.1
8	---	---	---	---	---	---	---	---	---	---	4.2	3.6
9	---	---	---	---	---	---	---	---	---	---	4.1	3.2
10	---	---	---	---	---	---	---	---	---	---	4.1	3.4
11	---	---	---	---	---	---	---	---	---	---	4.0	3.5
12	---	---	---	---	---	---	---	---	---	---	3.6	e3.4
13	---	---	---	---	---	---	---	---	---	---	3.4	e3.3
14	---	---	---	---	---	---	---	---	---	---	2.9	e3.3
15	---	---	---	---	---	---	---	---	---	---	2.9	e3.3
16	---	---	---	---	---	---	---	---	---	---	3.0	e3.3
17	---	---	---	---	---	---	---	---	---	7.2	3.1	e3.3
18	---	---	---	---	---	---	---	---	---	6.7	3.1	e3.4
19	---	---	---	---	---	---	---	---	---	6.5	3.3	e3.4
20	---	---	---	---	---	---	---	---	---	6.0	3.4	3.4
21	---	---	---	---	---	---	---	---	---	5.6	3.6	3.4
22	---	---	---	---	---	---	---	---	---	5.1	3.6	3.1
23	---	---	---	---	---	---	---	---	---	4.5	3.6	3.3
24	---	---	---	---	---	---	---	---	---	4.7	3.6	3.3
25	---	---	---	---	---	---	---	---	---	4.4	3.5	3.0
26	---	---	---	---	---	---	---	---	---	4.3	3.5	2.7
27	---	---	---	---	---	---	---	---	---	4.4	3.6	2.5
28	---	---	---	---	---	---	---	---	---	4.5	3.5	3.1
29	---	---	---	---	---	---	---	---	---	4.3	3.4	3.1
30	---	---	---	---	---	---	---	---	---	4.4	3.3	2.9
31	---	---	---	---	---	---	---	---	---	4.3	3.2	---
TOTAL	---	---	---	---	---	---	---	---	---	---	113.3	95.4
MEAN	---	---	---	---	---	---	---	---	---	---	3.65	3.18
MAX	---	---	---	---	---	---	---	---	---	---	4.3	3.6
MIN	---	---	---	---	---	---	---	---	---	---	2.9	2.5
AC-FT	---	---	---	---	---	---	---	---	---	---	225	189

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2002, BY WATER YEAR (WY)

MEAN	2.67	2.05	1.69	1.40	1.30	1.49	2.55	9.33	17.4	12.8	6.88	4.07
MAX	3.72	2.57	2.37	1.87	1.73	2.72	5.20	20.9	39.2	43.5	18.0	8.41
(WY)	1996	1996	1996	1996	1996	1949	1952	1952	1995	1995	1995	1995
MIN	1.58	1.43	1.29	0.82	0.74	1.04	1.32	1.85	4.19	4.90	3.65	2.09
(WY)	1954	1954	1954	1954	1993	1953	1953	1953	1953	1953	2002	1953

SUMMARY STATISTICS	WATER YEARS 1948 - 2002	
ANNUAL MEAN	5.35	
HIGHEST ANNUAL MEAN	11.0	1995
LOWEST ANNUAL MEAN	2.51	1953
HIGHEST DAILY MEAN	62	Jun 27 1995
LOWEST DAILY MEAN	0.63	Mar 3 1993
ANNUAL SEVEN-DAY MINIMUM	0.65	Feb 28 1993
MAXIMUM PEAK FLOW	80	Jun 29 1995
MAXIMUM PEAK STAGE	5.01	Jun 29 1995
ANNUAL RUNOFF (AC-FT)	3870	
10 PERCENT EXCEEDS	13	
50 PERCENT EXCEEDS	2.5	
90 PERCENT EXCEEDS	1.3	

e Estimated

SPRING VALLEY

10243700 CLEVE CREEK NEAR ELY, NV

LOCATION.--Lat 39°12'58", long 114°31'44", in SE 1/4 SE 1/4 sec.27, T.16 N., R.66 E., White Pine County, Hydrologic Unit 16060003, on right bank, 2.3 mi downstream from North Fork, 4 mi southwest of Cleveland Ranch headquarters, and 18 mi east of Ely.

DRAINAGE AREA.--31.8 mi^2.

PERIOD OF RECORD.--June 1914 to December 1916 (published as Cleveland Creek near Osceola), October 1959 to September 1967, October 1976 to September 1981, December 1982 to September 1987, March 1990 to current year. Crest-stage partial-record station October 1967 to September 1976.

GAGE.--Water-stage recorder. Elevation of gage is 6,140 ft above NGVD of 1929, from topographic map. October 1, 1967, to September 30, 1976, crest-stage gage at same site and datum. Prior to September 13, 1984, at site 1/4 mi upstream, at different datum. Prior to April 18, 1985, at different datum. Prior to October 4, 1985, at datum 2.00 ft lower. From November 19, 1986, at site 75 ft downstream at datum, 5.2 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are fair. No diversion above station. Practically entire flow diverted for irrigation by Cleveland Ranch below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 440 ft^3/s, May 30, 1983, gage height, unknown; minimum daily, 2.7 ft^3/s, December 22, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 20 ft^3/s and maximum (*).

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 21	1000	*13	*1.61				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	5.7	6.4	6.3	e6.8	e6.7	7.4	e8.6	11	5.7	e4.8	5.0
2	6.0	5.6	6.2	6.3	e6.8	e6.6	7.7	e8.9	11	5.6	e4.8	5.0
3	5.8	5.7	6.2	6.2	e6.8	e6.4	7.9	e8.6	11	5.6	e4.8	5.0
4	5.8	5.8	6.1	6.0	e6.7	e6.2	8.1	e8.7	11	e5.8	e4.8	4.9
5	5.9	5.8	6.0	6.1	e6.7	5.9	8.2	e8.6	10	e5.8	e4.8	5.0
6	6.0	5.7	6.3	6.3	e6.7	5.8	8.4	e8.7	9.9	e5.8	e4.8	5.7
7	6.0	5.9	6.4	6.3	e6.6	6.0	8.2	e9.4	9.8	e5.8	e4.8	5.2
8	6.0	5.6	6.4	6.3	e6.4	6.2	8.3	e9.8	9.7	e5.8	e4.8	5.4
9	6.2	5.6	6.4	6.2	e6.2	e5.8	8.0	e10	9.9	e5.4	e4.8	5.3
10	6.2	5.6	6.2	6.1	e6.1	5.9	8.1	10	9.9	e5.4	e4.8	5.1
11	6.0	5.6	6.2	6.1	e6.0	5.9	8.0	10	9.5	e5.6	e4.8	4.9
12	5.9	5.6	5.6	6.0	e5.8	6.1	8.0	10	8.9	e5.6	e4.8	5.0
13	5.8	6.0	6.4	6.0	e5.6	6.1	8.3	9.9	8.7	e5.6	4.8	4.9
14	5.8	5.8	6.7	6.2	e5.4	7.2	8.6	9.9	8.5	e5.6	5.1	4.8
15	5.8	5.9	5.9	6.1	e5.2	8.0	9.7	9.9	8.3	e5.6	5.1	4.7
16	5.8	5.8	6.6	6.1	5.1	7.4	9.6	e9.9	8.0	e6.0	5.0	5.0
17	5.7	5.8	6.6	7.4	5.1	6.8	9.5	10	7.8	e5.8	5.0	4.8
18	5.8	5.8	6.3	7.6	5.2	6.7	9.1	11	7.5	e5.6	5.0	4.8
19	5.8	5.8	6.4	6.6	5.2	7.5	9.0	11	7.5	e5.4	5.0	4.7
20	5.8	5.8	6.3	5.8	e5.2	6.0	8.8	12	7.3	e5.2	5.1	4.7
21	5.8	5.8	6.3	3.9	5.3	6.1	8.5	12	7.1	e5.0	5.1	4.6
22	5.8	6.2	6.2	4.8	5.7	6.2	8.2	12	7.0	e4.9	5.2	4.6
23	6.0	5.8	6.3	5.8	5.8	6.2	8.0	12	6.9	e4.9	5.2	4.5
24	6.0	5.9	6.5	5.3	5.6	6.0	7.9	12	6.7	e4.9	5.2	4.5
25	6.0	6.1	5.7	e5.3	5.6	6.0	8.2	11	6.5	e4.9	5.1	4.4
26	6.0	5.8	5.4	e5.4	e5.6	6.0	8.7	11	6.4	e4.9	5.1	4.5
27	6.0	5.6	5.5	e5.7	5.7	6.1	9.0	11	6.2	e4.8	5.1	4.5
28	6.0	5.9	6.0	5.9	5.6	6.3	8.9	10	6.1	e4.8	5.1	4.5
29	5.8	6.4	6.4	6.9	---	6.6	e8.6	10	6.0	e4.8	5.0	4.6
30	6.2	6.4	6.3	e6.9	---	6.9	e8.6	10	5.7	e4.8	5.0	4.7
31	6.8	---	6.4	e6.9	---	7.1	---	11	---	e4.8	5.0	---
TOTAL	184.6	174.8	192.6	188.8	164.5	198.7	253.5	316.9	249.8	166.2	153.8	145.3
MEAN	5.955	5.827	6.213	6.090	5.875	6.410	8.450	10.22	8.327	5.361	4.961	4.843
MAX	6.8	6.4	6.7	7.6	6.8	8.0	9.7	12	11	6.0	5.2	5.7
MIN	5.7	5.6	5.4	3.9	5.1	5.8	7.4	8.6	5.7	4.8	4.8	4.4
AC-FT	366	347	382	374	326	394	503	629	495	330	305	288

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2002, BY WATER YEAR (WY)

MEAN	7.391	7.316	6.867	6.582	6.925	8.534	12.42	22.58	23.70	10.77	8.070	7.394
MAX	16.8	15.3	12.9	11.5	11.8	15.4	30.3	82.9	117	30.0	21.1	16.2
(WY)	1985	1985	1985	1984	1984	1984	1984	1983	1983	1983	1983	1983
MIN	4.54	4.53	4.27	4.05	4.42	4.58	5.20	6.85	5.63	4.60	3.99	3.75
(WY)	1993	1962	1961	1960	1960	1991	1991	1990	1992	1992	1960	1960

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1914 - 2002	
ANNUAL TOTAL	3271.5		2389.5			
ANNUAL MEAN	8.963		6.547		10.21	
HIGHEST ANNUAL MEAN					22.2	1984
LOWEST ANNUAL MEAN					5.15	1960
HIGHEST DAILY MEAN	37	May 17	12	May 20	280	May 30 1983
LOWEST DAILY MEAN	2.8	Jan 17	3.9	Jan 21	2.7	Dec 22 1990
ANNUAL SEVEN-DAY MINIMUM	3.8	Jan 16	4.5	Sep 22	3.4	Dec 18 1990
MAXIMUM PEAK FLOW			13	May 21	440	May 30 1983
MAXIMUM PEAK STAGE			1.61	May 21	1.98	May 14 2001
ANNUAL RUNOFF (AC-FT)	6490		4740		7400	
10 PERCENT EXCEEDS	17		9.5		18	
50 PERCENT EXCEEDS	6.4		6.0		7.5	
90 PERCENT EXCEEDS	5.5		4.9		5.0	

e Estimated

STEPTOE VALLEY BASIN

10244950 STEPTOE CREEK NEAR ELY, NV

(Hydrologic Benchmark Station)

LOCATION.--Lat 39°12'05", long 114°41'15", in SW $^1/_4$ SW $^1/_4$ sec.32, T.16 N., R.65 E., White Pine County, Hydrologic Unit 16060008, in Humboldt National Forest, on left bank, 0.1 mi downstream from Clear Creek, 0.8 mi upstream from Cave Creek, and 11 mi southeast of Ely.

DRAINAGE AREA.--11.1 mi^2.

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

PRECIPITATION: July 1991 to March 1996 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 7,440 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 85 ft^3/s, July 21, 1985, gage height, 3.21 ft; minimum daily, 1.6 ft^3/s, February 20 and 21, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4.7 ft^3/s, May 31, gage height, 1.56 ft; minimum daily, 2.1 ft^3/s, September 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.5	3.8	e3.5	e2.9	e2.8	2.9	2.7	3.1	4.7	3.5	2.5	2.2
2	e3.5	3.8	e3.5	e2.9	e2.7	2.8	2.8	3.1	4.5	3.4	2.6	2.2
3	e3.5	3.7	e3.4	e2.9	e2.7	2.8	2.9	3.1	4.4	3.4	2.5	2.2
4	e3.5	3.7	e3.4	e2.9	e2.7	2.8	3.0	3.0	4.1	3.4	2.4	2.2
5	e3.5	3.7	e3.3	e2.8	e2.7	2.9	3.0	3.1	3.9	3.5	2.4	2.2
6	e3.5	3.7	e3.3	e2.9	e2.7	2.9	3.1	3.1	3.9	3.5	2.4	2.3
7	e3.5	3.7	e3.2	e2.9	e2.9	2.7	3.0	3.3	4.1	3.5	2.5	2.2
8	e3.5	3.7	e3.2	e2.9	e3.0	2.7	2.9	3.4	4.1	3.5	2.5	2.3
9	e3.6	3.7	e3.1	e2.9	e2.9	2.7	2.8	3.4	3.9	3.1	2.4	2.2
10	e3.6	3.7	e3.0	e2.9	e2.9	2.7	3.0	3.4	3.8	3.1	2.4	2.2
11	3.6	3.7	e3.0	e2.9	e3.0	2.7	3.0	3.4	3.6	3.2	2.4	2.2
12	3.6	3.7	e2.9	e3.0	e3.0	2.6	3.0	3.4	3.5	3.2	2.3	2.2
13	3.6	3.7	e2.9	e2.9	e3.0	2.6	3.1	3.3	3.6	3.2	2.3	2.2
14	3.6	3.7	e2.9	e2.9	e3.0	2.6	3.1	3.4	3.6	3.2	2.4	2.2
15	3.6	3.7	e2.9	e2.9	e3.0	2.5	3.2	3.4	3.7	3.2	2.2	2.1
16	3.6	3.7	e2.9	e2.9	e3.0	2.6	3.1	3.4	3.6	3.4	2.3	2.2
17	3.6	3.7	e2.9	e2.9	e3.1	2.5	3.1	3.4	3.6	3.2	2.3	2.2
18	3.7	3.7	e2.9	e2.8	e3.2	2.5	3.1	3.8	3.6	2.9	2.3	2.2
19	3.7	3.8	e2.9	e2.8	3.2	2.6	3.1	3.9	3.5	2.9	2.3	2.2
20	3.7	3.8	e2.9	e2.8	3.2	2.5	3.1	3.9	3.7	2.8	2.3	2.2
21	3.7	3.9	e2.9	e2.9	3.1	2.5	3.0	3.9	3.7	2.7	2.3	2.2
22	3.7	3.9	e2.9	e2.9	3.3	2.5	2.9	3.8	3.6	2.7	2.3	2.2
23	3.7	3.8	e2.9	e2.9	3.3	2.6	2.8	3.6	3.2	2.7	2.3	2.2
24	3.7	3.6	e2.9	e2.9	3.2	2.6	2.8	3.4	3.2	2.7	2.3	2.2
25	3.7	3.6	e2.9	e2.9	3.0	2.6	2.8	3.4	3.3	2.6	2.2	2.2
26	3.7	3.6	e2.9	e2.9	3.0	2.6	2.9	3.4	3.4	2.6	2.3	2.2
27	3.7	e3.6	e2.9	e2.9	3.0	2.6	3.0	3.4	3.6	2.6	2.3	2.2
28	3.7	e3.6	e2.9	e2.9	3.0	2.5	3.0	3.8	3.7	2.6	2.2	2.2
29	3.7	e3.6	e2.9	e2.9	---	2.6	3.0	3.9	3.6	2.6	2.2	2.2
30	3.8	e3.6	e2.9	e2.9	---	2.7	3.1	4.2	3.6	2.5	2.2	2.2
31	3.9	---	e2.9	e2.9	---	2.7	---	4.7	---	2.5	2.2	---
TOTAL	112.5	111.2	93.9	89.6	83.6	82.1	89.4	108.8	112.3	93.9	72.5	66.1
MEAN	3.629	3.707	3.029	2.890	2.986	2.648	2.980	3.510	3.743	3.029	2.339	2.203
MAX	3.9	3.9	3.5	3.0	3.3	2.9	3.2	4.7	4.7	3.5	2.6	2.3
MIN	3.5	3.6	2.9	2.8	2.7	2.5	2.7	3.0	3.2	2.5	2.2	2.1
AC-FT	223	221	186	178	166	163	177	216	223	186	144	131

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2002, BY WATER YEAR (WY)

MEAN	5.008	4.525	4.027	3.695	3.657	4.104	5.984	11.91	14.97	10.20	6.739	5.439
MAX	10.7	9.74	8.49	7.02	7.09	8.85	13.9	39.7	59.4	33.5	18.0	11.9
(WY)	1983	1983	1983	1984	1984	1983	1984	1983	1983	1983	1983	1983
MIN	2.22	2.04	1.94	1.89	1.81	1.94	2.34	2.48	3.52	2.71	2.20	2.16
(WY)	1993	1993	1993	1993	1993	1991	1991	1991	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1966 - 2002	
ANNUAL TOTAL	1522.1		1115.9			
ANNUAL MEAN	4.170		3.057		6.755	
HIGHEST ANNUAL MEAN					18.9	1983
LOWEST ANNUAL MEAN					2.84	1990
HIGHEST DAILY MEAN	10	May 17	4.7	May 31	73	May 29 1983
LOWEST DAILY MEAN	2.7	Feb 3	2.1	Sep 15	1.6	Feb 20 1993
ANNUAL SEVEN-DAY MINIMUM	2.8	Feb 3	2.2	Sep 9	1.7	Feb 20 1993
MAXIMUM PEAK FLOW			4.7	May 31	85	Jul 21 1985
MAXIMUM PEAK STAGE			1.56	May 31	3.21	May 24 1983
ANNUAL RUNOFF (AC-FT)	3020		2210		4890	
10 PERCENT EXCEEDS	6.4		3.7		13	
50 PERCENT EXCEEDS	3.6		3.0		4.6	
90 PERCENT EXCEEDS	2.9		2.3		2.7	

e Estimated

MONITOR VALLEY-DIAMOND VALLEY SYSTEM

10245900 PINE CREEK NEAR BELMONT, NV

LOCATION.--Lat 38°47'40", long 116°51'13", in NW $^1/_4$ SE $^1/_4$ sec.13, T.11 N., R.45 E., Nye County, Hydrologic Unit 16060005, on right bank, 2.9 mi west of Pine Creek Ranch, and 13.8 mi north of Belmont.

DRAINAGE AREA.--12.2 mi^2.

PERIOD OF RECORD.--October 1977 to current year.

GAGE.--Water-stage recorder. Elevation of gage 7,560 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 340 ft^3/s, May 29, 1983, gage height, 4.66 ft; minimum daily, 0.24 ft^3/s, August 26, 1997.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 1	2100	*13	*1.93				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	2.2	2.2	1.5	1.3	0.99	1.2	1.8	11	4.0	1.3	0.95
2	1.9	2.1	2.2	1.5	1.3	1.0	1.2	1.7	11	3.9	1.3	0.95
3	1.8	2.1	2.2	1.5	1.3	0.99	1.3	1.7	10	3.8	1.2	0.94
4	1.7	2.1	2.1	1.3	1.3	0.94	1.3	1.7	9.6	3.8	1.2	0.95
5	1.8	2.1	2.1	1.5	1.3	0.93	1.2	1.7	9.0	3.6	1.2	0.95
6	2.0	2.2	2.1	1.4	1.3	0.92	1.1	1.7	8.8	3.5	1.2	0.94
7	2.1	2.2	2.1	1.4	1.3	0.92	1.1	1.8	8.7	3.3	1.1	0.92
8	2.2	2.1	2.0	1.4	1.2	0.90	1.1	1.9	8.4	3.2	1.1	0.90
9	2.2	2.0	2.0	1.4	1.2	0.91	1.1	2.0	8.0	3.0	1.1	0.86
10	2.2	1.9	2.0	1.1	1.2	0.91	1.1	2.2	7.1	2.8	1.1	0.83
11	2.2	1.9	2.0	1.4	1.2	0.91	1.1	2.3	6.3	2.6	1.1	0.80
12	2.2	1.9	1.9	1.4	1.2	0.93	1.1	2.5	5.7	2.5	1.1	0.79
13	2.1	2.0	1.9	1.2	1.2	0.92	1.1	2.8	5.4	2.4	1.0	0.78
14	2.1	1.9	1.8	e1.1	1.2	0.85	1.1	3.6	5.3	2.3	1.0	0.76
15	2.0	2.0	1.8	1.0	1.2	0.92	1.2	4.5	5.2	2.2	1.00	0.73
16	2.0	2.0	1.8	0.86	1.1	0.89	1.2	5.3	5.2	2.1	0.99	0.76
17	2.0	2.0	1.8	e0.88	1.1	e0.92	1.1	6.0	5.1	2.3	0.96	0.78
18	2.0	2.0	1.8	e0.89	1.1	e0.94	1.1	7.0	5.1	2.4	0.93	0.80
19	2.0	1.9	1.8	e0.90	1.1	e0.98	1.2	8.5	5.3	2.3	0.94	0.81
20	2.0	2.0	1.8	e0.92	1.2	e1.0	1.2	9.6	5.2	2.2	0.94	0.81
21	2.1	2.1	1.7	e0.94	1.2	1.2	1.3	9.5	5.3	1.9	0.96	0.80
22	2.1	2.1	1.7	e0.96	1.2	1.2	1.3	8.8	5.3	1.8	0.97	0.80
23	2.1	1.8	1.7	e0.98	1.2	1.1	1.2	8.3	5.2	1.6	0.96	0.82
24	2.1	e1.9	1.7	e1.0	1.1	1.1	1.2	7.8	5.1	1.7	0.95	0.82
25	2.2	e2.0	1.7	e1.0	1.1	1.1	1.3	7.3	5.1	2.0	0.94	0.83
26	2.2	1.8	1.7	1.1	1.1	1.1	1.4	7.3	4.9	1.8	0.94	0.86
27	2.2	2.1	1.7	1.1	1.1	1.1	1.6	7.6	4.8	1.6	0.95	0.87
28	2.2	e2.1	1.7	e1.1	1.1	1.2	1.8	8.4	4.6	1.5	0.95	0.92
29	2.1	e2.2	1.7	1.2	---	1.2	1.7	9.3	4.4	1.4	0.96	0.93
30	2.2	2.2	1.6	e1.2	---	1.2	1.7	10	4.2	1.3	0.95	0.93
31	2.3	---	1.6	e1.2	---	1.2	---	11	---	1.3	0.95	---
TOTAL	64.4	60.9	57.9	36.33	33.4	31.37	37.6	165.6	194.3	76.1	32.24	25.59
MEAN	2.077	2.030	1.868	1.172	1.193	1.012	1.253	5.342	6.477	2.455	1.040	0.853
MAX	2.3	2.2	2.2	1.5	1.3	1.2	1.8	11	11	4.0	1.3	0.95
MIN	1.7	1.8	1.6	0.86	1.1	0.85	1.1	1.7	4.2	1.3	0.93	0.73
AC-FT	128	121	115	72	66	62	75	328	385	151	64	51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2002, BY WATER YEAR (WY)

MEAN	2.238	1.846	1.522	1.338	1.246	1.639	3.147	16.94	23.08	7.661	3.462	2.279
MAX	4.63	3.06	2.47	2.00	1.90	2.71	9.46	43.7	74.7	34.2	10.7	6.41
(WY)	1985	1985	1984	1984	1984	1983	1985	1983	1995	1998	1984	1984
MIN	1.32	0.99	0.98	0.83	0.75	0.89	1.14	1.77	6.38	1.60	0.60	0.83
(WY)	1993	1986	1993	1987	1987	1987	1991	1991	1989	2000	1997	1987

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1978 - 2002	
ANNUAL TOTAL	2355.54		815.73			
ANNUAL MEAN	6.454		2.235		5.543	
HIGHEST ANNUAL MEAN					13.8	1983
LOWEST ANNUAL MEAN					2.23	1990
HIGHEST DAILY MEAN	55	May 14	11	May 31	290	May 29 1983
LOWEST DAILY MEAN	0.90	Jan 14	0.73	Sep 15	0.24	Aug 26 1997
ANNUAL SEVEN-DAY MINIMUM	0.90	Feb 25	0.77	Sep 11	0.27	Aug 25 1997
MAXIMUM PEAK FLOW			13	Jun 1	340	May 29 1983
MAXIMUM PEAK STAGE			1.93	Jun 1	4.66	May 29 1983
ANNUAL RUNOFF (AC-FT)	4670		1620		4020	
10 PERCENT EXCEEDS	18		5.2		13	
50 PERCENT EXCEEDS	2.1		1.6		1.9	
90 PERCENT EXCEEDS	1.0		0.92		1.1	

e Estimated

MONITOR VALLEY-DIAMOND VALLEY SYSTEM

10245910 MOSQUITO CREEK NEAR BELMONT, NV

LOCATION.--Lat 38°48'22", long 116°40'43", in NW 1/4 SW 1/4 sec.10, T.11 N., R.47 E., Nye County, Hydrologic Unit 16060005, 17.9 mi northeast of Belmont, 27.4 mi east of Carvers on State Highway 376, and 59 mi northeast of Tonopah.

DRAINAGE AREA.--15.1 mi^2.

PERIOD OF RECORD.--October 1977 to September 1982, October 1983 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 for estimated daily discharges, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 29, 1983; discharge, 119 ft^3/s, gage height, 5.00 ft, runoff from snowmelt.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 92 ft^3/s, June 7, 1978, gage height, 3.55 ft; minimum daily, 0.04 ft^3/s, September 12, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharges of 4.0 ft^3/s and maximum (*).

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 2	0330	*1.90	*1.19				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.84	0.86	0.76	0.61	e0.33	e0.32	0.58	1.2	1.3	0.43	0.14	0.07
2	0.91	0.83	0.75	0.63	e0.34	e0.32	0.63	1.4	1.6	0.42	0.14	0.07
3	0.93	0.82	0.76	0.63	e0.34	e0.33	0.68	1.5	1.5	0.42	0.12	0.07
4	0.94	0.76	0.74	0.61	0.35	0.34	0.70	1.4	1.4	0.41	0.11	0.07
5	0.94	0.76	0.73	0.62	e0.35	0.33	0.72	1.4	1.3	0.39	0.12	0.08
6	0.96	0.76	0.73	0.63	e0.36	0.32	0.69	1.4	1.2	0.37	0.11	0.08
7	0.97	0.75	0.72	0.63	e0.36	0.32	0.62	1.4	1.2	0.36	0.10	0.09
8	0.99	0.72	0.72	0.64	e0.37	0.31	0.66	1.3	1.2	0.34	0.10	0.09
9	1.0	0.72	0.72	0.63	0.38	0.33	0.63	1.3	1.2	0.32	0.10	0.09
10	1.1	0.72	e0.72	0.55	0.39	0.33	0.61	1.3	1.2	0.30	0.10	0.08
11	1.1	0.72	e0.71	0.60	0.40	0.33	0.66	1.2	1.2	0.30	0.09	0.08
12	1.1	0.72	0.70	0.63	0.41	0.37	0.68	1.2	1.1	0.30	0.09	0.08
13	1.0	0.76	0.71	0.60	0.40	0.36	0.65	1.2	1.0	0.29	0.09	0.08
14	1.00	0.80	0.67	0.50	0.41	e0.35	0.63	1.2	0.95	0.28	0.08	0.08
15	0.99	0.87	0.67	e0.49	0.39	e0.35	0.72	1.2	0.91	0.26	0.08	0.07
16	0.98	0.85	0.72	e0.45	0.40	e0.34	0.66	1.2	0.87	0.25	0.08	0.08
17	0.97	0.82	0.67	0.40	0.41	0.34	0.66	1.2	0.84	0.28	0.08	0.09
18	0.96	0.81	0.65	0.38	0.40	0.32	0.59	1.3	0.84	0.42	0.07	0.09
19	0.97	0.80	0.65	e0.37	0.38	0.36	0.60	1.3	0.84	0.46	0.07	0.09
20	0.97	0.81	0.63	e0.35	0.36	0.40	0.59	1.4	0.81	0.31	0.08	0.09
21	0.98	0.83	0.63	e0.33	0.34	0.39	0.62	1.6	0.80	0.28	0.08	0.09
22	0.98	0.86	0.64	e0.32	0.35	0.38	0.80	1.7	0.81	0.25	0.08	0.09
23	0.97	0.80	0.65	e0.30	0.36	0.36	0.92	1.7	0.74	0.20	0.08	0.09
24	0.97	0.77	0.65	0.28	0.33	0.34	1.1	1.6	0.67	0.20	0.08	0.09
25	0.97	0.69	e0.66	e0.28	e0.32	0.34	1.1	1.5	0.60	0.29	0.08	0.09
26	0.97	0.63	e0.67	e0.29	e0.32	0.35	1.2	1.5	0.57	0.23	0.08	0.10
27	0.97	0.74	e0.68	e0.30	e0.32	0.37	1.2	1.5	0.54	0.20	0.08	0.11
28	0.97	0.79	0.67	e0.30	e0.32	0.45	1.4	1.4	0.52	0.18	0.08	0.13
29	0.97	0.82	0.67	e0.31	---	0.50	1.4	1.4	0.50	0.14	0.08	0.16
30	0.97	0.76	0.65	e0.32	---	0.53	1.3	1.3	0.46	0.14	0.08	0.15
31	0.86	---	0.63	e0.33	---	0.55	---	1.3	---	0.13	0.07	---
TOTAL	30.20	23.35	21.33	14.31	10.19	11.33	24.00	42.5	28.67	9.15	2.82	2.72
MEAN	0.974	0.778	0.688	0.462	0.364	0.365	0.800	1.371	0.956	0.295	0.091	0.091
MAX	1.1	0.87	0.76	0.64	0.41	0.55	1.4	1.7	1.6	0.46	0.14	0.16
MIN	0.84	0.63	0.63	0.28	0.32	0.31	0.58	1.2	0.46	0.13	0.07	0.07
AC-FT	60	46	42	28	20	22	48	84	57	18	5.6	5.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2002, BY WATER YEAR (WY)

MEAN	0.792	0.731	0.598	0.530	0.504	0.672	1.559	6.870	10.43	3.167	1.209	0.773
MAX	1.87	1.67	1.15	1.17	1.02	1.47	3.66	21.8	56.7	16.4	4.79	2.36
(WY)	1996	1996	1999	1996	1988	1988	1985	2001	1995	1995	1995	1995
MIN	0.24	0.21	0.18	0.16	0.095	0.27	0.53	1.26	0.96	0.30	0.091	0.082
(WY)	1978	1978	1978	1991	1987	1991	1991	1991	2002	2002	2002	1990

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1978 - 2002	
ANNUAL TOTAL	1376.71		220.57			
ANNUAL MEAN	3.772		0.604		2.322	
HIGHEST ANNUAL MEAN					7.87	1995
LOWEST ANNUAL MEAN					0.60	2002
HIGHEST DAILY MEAN	40	May 23	1.7	May 22	79	Jun 8 1978
LOWEST DAILY MEAN	0.24	Feb 20	0.07	Aug 18	0.04	Sep 12 1990
ANNUAL SEVEN-DAY MINIMUM	0.25	Feb 19	0.07	Aug 29	0.04	Sep 10 1990
MAXIMUM PEAK FLOW			1.9	Jun 2	92	Jun 7 1978
MAXIMUM PEAK STAGE			1.19	Jun 2	3.55	Jun 7 1978
ANNUAL RUNOFF (AC-FT)	2730		438		1680	
10 PERCENT EXCEEDS	9.7		1.2		4.4	
50 PERCENT EXCEEDS	0.97		0.61		0.78	
90 PERCENT EXCEEDS	0.40		0.09		0.31	

e Estimated

10249280 KINGSTON CREEK BELOW COUGAR CANYON NEAR AUSTIN, NV

LOCATION.--Lat 39°12'45", long 117°06'45", in NE $^1/_4$ NW $^1/_4$ sec.35, T.16 N., R.43 E., Lander County, Hydrologic Unit 16060004, in Toiyabe National Forest, on left bank, 1.1 mi downstream from Cougar Canyon, and 19 mi southeast of Austin.

DRAINAGE AREA.--23.4 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,480 ft above NGVD of 1929, from topographic map. August 22, 1975, to June 25, 1985, at site 40 ft upstream at datum 5.50 ft lower.

REMARKS.--No estimated daily discharges. Records fair. Two diversions above station. Flow affected by storage in Groves Reservoir, capacity, 190 acre-ft about 4 mi upstream since January 1970, when installation was completed by Nevada Department of Fish and Game for fishery enhancement and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 385 ft^3/s, May 28, 1983, gage height, 3.19 ft; maximum gage height, 3.86 ft, June 3, 1995; minimum daily, 1.7 ft^3/s, December 28, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8.2 ft^3/s, June 1-2, gage height, 1.19 ft; minimum daily, 3.3 ft^3/s, several days in February.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	4.5	4.2	4.4	3.4	3.5	5.0	5.7	7.1	6.9	6.1	4.9
2	4.4	4.4	4.2	4.4	3.3	3.6	5.1	5.8	7.6	6.9	6.2	4.9
3	4.4	4.4	4.3	4.5	3.3	3.6	5.2	5.9	7.3	6.9	6.2	4.9
4	4.3	4.4	4.2	4.5	3.3	3.8	5.2	5.9	7.1	6.9	6.1	4.9
5	4.3	4.3	4.2	4.4	3.3	3.8	5.3	6.0	7.1	6.8	6.1	4.9
6	4.3	4.3	4.2	4.4	3.3	3.7	5.4	6.2	7.0	6.7	6.0	5.0
7	4.3	4.4	4.2	4.4	3.3	3.8	5.4	6.3	7.1	6.7	6.0	5.0
8	4.4	4.4	4.2	4.5	3.4	3.8	5.5	6.4	7.2	6.7	5.9	5.0
9	4.4	4.4	4.2	4.6	3.3	3.9	5.6	6.3	7.3	6.8	5.9	4.9
10	4.4	4.3	4.2	4.6	3.5	3.8	5.9	6.3	7.2	6.8	5.8	4.9
11	4.4	4.2	4.3	4.6	3.5	3.7	5.8	6.4	7.1	6.8	5.7	4.9
12	4.4	4.2	4.4	4.2	3.5	3.7	5.9	6.5	6.7	7.0	5.5	4.8
13	4.4	4.4	4.4	4.2	3.5	4.0	6.1	6.5	6.7	7.0	5.5	4.6
14	4.3	4.2	4.5	4.3	3.5	4.0	5.9	6.6	6.5	7.0	5.4	4.5
15	4.2	4.2	4.4	4.3	3.4	4.2	6.0	6.4	6.5	7.0	5.4	4.5
16	4.2	4.2	4.5	4.2	3.3	4.2	6.2	6.5	6.6	7.1	5.3	4.6
17	4.2	4.2	4.5	4.2	3.3	4.3	6.1	6.5	6.5	7.2	5.3	4.6
18	4.2	4.2	4.5	4.2	3.4	4.3	6.2	6.7	6.3	7.4	5.2	4.6
19	4.2	4.2	4.4	4.0	3.4	4.3	5.7	6.5	6.4	7.3	5.2	4.4
20	4.2	4.2	4.4	4.0	3.5	4.2	5.3	6.5	6.4	7.2	5.2	4.4
21	4.2	4.2	4.4	3.9	3.5	4.3	5.1	6.3	6.6	7.1	5.2	4.4
22	4.4	4.2	4.4	3.9	3.5	4.3	5.1	6.3	6.7	6.9	5.2	4.3
23	4.4	4.4	4.4	3.9	3.5	4.4	5.1	6.3	6.7	6.9	5.1	4.3
24	4.4	4.5	4.4	4.0	3.5	4.5	4.9	6.3	6.7	6.9	5.1	4.2
25	4.3	4.7	4.4	3.7	3.5	4.6	5.0	6.3	6.7	6.8	5.0	4.1
26	4.4	4.6	4.3	3.5	3.5	4.6	5.2	6.4	6.8	6.8	4.9	4.0
27	4.4	4.5	4.3	3.5	3.5	4.6	5.7	6.3	6.8	6.8	4.9	4.0
28	4.4	4.5	4.3	3.5	3.5	4.8	5.6	6.4	6.7	6.8	5.0	4.2
29	4.4	4.4	4.4	3.5	---	5.0	5.6	6.4	6.7	6.6	4.9	4.2
30	4.5	4.2	4.4	3.5	---	4.8	5.6	6.5	6.7	6.2	4.9	4.2
31	4.6	---	4.5	3.7	---	4.9	---	6.6	---	6.2	4.9	---
TOTAL	134.8	130.2	134.6	127.5	95.7	129.0	165.7	196.0	204.8	213.1	169.1	137.1
MEAN	4.348	4.340	4.342	4.113	3.418	4.161	5.523	6.323	6.827	6.874	5.455	4.570
MAX	4.6	4.7	4.5	4.6	3.5	5.0	6.2	6.7	7.6	7.4	6.2	5.0
MIN	4.2	4.2	4.2	3.5	3.3	3.5	4.9	5.7	6.3	6.2	4.9	4.0
AC-FT	267	258	267	253	190	256	329	389	406	423	335	272

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2002, BY WATER YEAR (WY)

MEAN	6.351	5.682	5.090	4.713	4.570	5.133	7.544	17.60	22.39	13.71	9.584	7.288
MAX	12.9	12.7	10.3	9.62	8.86	11.6	45.3	106	79.7	42.4	19.6	13.6
(WY)	1984	1984	1984	1984	1984	1984	1984	1984	1998	1998	1984	1984
MIN	3.17	3.14	2.85	2.64	2.75	2.96	2.99	4.71	6.09	5.36	4.24	3.76
(WY)	1967	1967	1967	1967	1982	1967	1967	1968	2000	2000	1972	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1967 - 2002	
ANNUAL TOTAL	1973.1		1837.6			
ANNUAL MEAN	5.406		5.035		9.154	
HIGHEST ANNUAL MEAN					29.3	1984
LOWEST ANNUAL MEAN					4.65	1982
HIGHEST DAILY MEAN	9.5	May 25	7.6	Jun 2	240	May 28 1983
LOWEST DAILY MEAN	3.3	Jan 6	3.3	Feb 2	1.7	Dec 28 1966
ANNUAL SEVEN-DAY MINIMUM	3.3	Feb 20	3.3	Feb 1	2.0	Dec 24 1966
MAXIMUM PEAK FLOW			8.2	Jun 1	385	May 28 1983
MAXIMUM PEAK STAGE			1.19	Jun 1	3.86	Jun 3 1995
ANNUAL RUNOFF (AC-FT)	3910		3640		6630	
10 PERCENT EXCEEDS	8.8		6.8		14	
50 PERCENT EXCEEDS	4.5		4.5		6.1	
90 PERCENT EXCEEDS	3.4		3.7		3.6	

BIG SMOKY VALLEY (NORTHERN PART)

(Hydrologic Benchmark Station)

LOCATION.--Lat 38°53'15", long 117°14'40", in SW $^1/_4$ NE $^1/_4$ sec.22, T.12 N., R.42 E., Nye County, Hydrologic Unit 16060004, in Toiyabe National Forest, on right bank, 600 ft upstream from diversion, 3 mi west of State Highway 376, and 15 mi northwest of Round Mountain.

DRAINAGE AREA.--20 mi^2, approximately.

PERIOD OF RECORD.--1964 (miscellaneous site), 1965 (low-flow, partial-record site), August 1965 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,400 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 510 ft^3/s, May 29, 1983, gage height, 4.39 ft; minimum daily, 0.35 ft^3/s, August 27, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 1	1945	*8.8	*1.69				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	2.5	2.4	2.3	e3.0	e3.2	2.6	4.9	7.2	2.3	1.3	0.73
2	2.0	2.5	2.4	2.4	2.9	e3.1	2.7	5.0	7.7	2.3	1.3	0.73
3	2.0	2.5	2.4	2.4	2.9	e3.1	2.9	4.8	7.4	2.2	1.2	0.72
4	2.0	2.4	2.4	2.1	2.9	e3.1	3.1	4.8	7.1	2.1	1.2	0.78
5	2.0	2.4	2.1	2.2	2.9	3.1	3.3	4.9	6.9	2.0	1.2	0.81
6	2.1	2.4	2.4	2.4	2.9	3.0	3.3	5.0	6.6	1.9	1.1	0.90
7	2.0	2.4	2.4	2.5	2.9	3.0	3.3	5.3	6.3	1.8	1.1	0.94
8	2.0	2.4	2.3	2.5	2.5	e3.0	3.4	5.6	6.2	1.7	1.1	1.0
9	2.1	2.3	2.2	2.4	2.4	e3.0	3.4	5.5	6.2	1.6	1.0	1.1
10	2.2	2.2	2.2	2.2	2.6	3.2	3.5	5.5	6.1	1.4	1.0	1.1
11	2.2	2.2	2.1	2.0	2.6	3.1	3.7	5.4	5.9	1.3	0.94	1.1
12	2.2	2.2	e2.3	2.1	2.5	3.0	3.8	5.2	5.5	1.3	0.89	1.1
13	2.2	2.3	e2.4	2.0	2.4	3.0	3.9	5.2	5.3	1.4	0.87	1.1
14	2.2	2.4	2.5	2.2	2.4	3.0	3.9	5.3	5.0	1.4	0.85	1.1
15	2.2	2.4	e2.4	e2.5	2.5	e3.1	4.4	5.5	4.7	1.3	0.82	1.1
16	2.2	2.3	e2.3	e2.6	2.6	e3.2	4.2	5.7	4.5	1.3	0.80	1.2
17	2.1	2.2	2.3	e2.7	2.7	e3.1	4.1	6.1	4.2	1.3	0.79	1.2
18	2.1	2.2	2.4	e2.8	2.7	e2.9	4.0	6.6	4.0	1.4	0.77	1.2
19	2.1	2.2	2.2	e2.9	2.8	e2.7	3.9	7.3	4.0	1.3	0.74	1.1
20	2.1	2.2	2.2	e3.0	3.1	2.2	3.8	7.9	3.9	1.3	0.75	1.1
21	2.2	2.2	2.2	e3.1	3.0	2.2	3.7	8.1	3.9	1.3	0.78	1.1
22	2.2	2.4	2.2	3.3	3.1	2.2	3.5	7.9	3.7	1.2	0.77	1.1
23	2.2	2.2	2.3	e3.4	3.2	2.2	3.5	8.0	3.5	1.2	0.78	1.1
24	2.3	2.2	e2.3	e3.6	3.2	2.3	3.5	7.6	3.2	1.2	0.76	1.0
25	2.4	2.2	e2.2	3.3	3.2	2.2	3.6	7.4	3.1	1.2	0.75	1.00
26	2.4	2.1	2.2	3.0	3.2	2.2	4.1	7.1	3.0	1.2	0.75	1.0
27	2.4	2.3	2.2	2.9	3.2	2.2	4.4	6.9	2.9	1.2	0.77	0.99
28	2.5	e2.4	2.2	2.9	3.2	2.4	4.9	6.8	2.8	1.1	0.75	1.2
29	2.5	2.5	2.2	3.0	---	2.4	5.0	6.7	2.6	1.1	0.75	1.2
30	2.4	2.5	2.2	e3.2	---	2.5	5.1	6.7	2.4	1.1	0.72	1.2
31	2.5	---	2.4	e3.7	---	2.6	---	6.6	---	1.2	0.74	---
TOTAL	68.0	69.6	70.9	83.6	79.5	85.5	112.5	191.3	145.8	45.6	28.04	31.00
MEAN	2.194	2.320	2.287	2.697	2.839	2.758	3.750	6.171	4.860	1.471	0.905	1.033
MAX	2.5	2.5	2.5	3.7	3.2	3.2	5.1	8.1	7.7	2.3	1.3	1.2
MIN	2.0	2.1	2.1	2.0	2.4	2.2	2.6	4.8	2.4	1.1	0.72	0.72
AC-FT	135	138	141	166	158	170	223	379	289	90	56	61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2002, BY WATER YEAR (WY)

MEAN	2.444	2.621	2.436	2.370	2.722	5.032	9.550	25.19	18.94	6.204	2.877	2.222
MAX	5.37	5.58	5.80	6.25	7.15	17.3	26.5	92.0	80.1	31.8	11.1	6.24
(WY)	1984	1984	1984	1984	2001	2001	2001	1983	1998	1998	1983	1983
MIN	1.25	1.37	1.06	0.92	1.08	1.74	3.31	4.03	4.17	1.37	0.88	0.51
(WY)	1987	1991	1991	1991	1994	1991	1970	1990	1990	1966	1994	1987

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1965 - 2002	
ANNUAL TOTAL	3804.2		1011.34			
ANNUAL MEAN	10.42		2.771		6.894	
HIGHEST ANNUAL MEAN					20.1	1983
LOWEST ANNUAL MEAN					2.40	1990
HIGHEST DAILY MEAN	85	May 16	8.1	May 21	338	May 29 1983
LOWEST DAILY MEAN	1.4	Jan 10	0.72	Aug 30	0.35	Aug 27 1991
ANNUAL SEVEN-DAY MINIMUM	1.5	Jan 6	0.73	Aug 28	0.40	Sep 19 1987
MAXIMUM PEAK FLOW			8.8	Jun 1	510	May 29 1983
MAXIMUM PEAK STAGE			1.69	Jun 1	4.39	May 29 1983
ANNUAL RUNOFF (AC-FT)	7550		2010		4990	
10 PERCENT EXCEEDS	27		5.2		15	
50 PERCENT EXCEEDS	3.0		2.4		2.9	
90 PERCENT EXCEEDS	2.0		1.1		1.4	

e Estimated

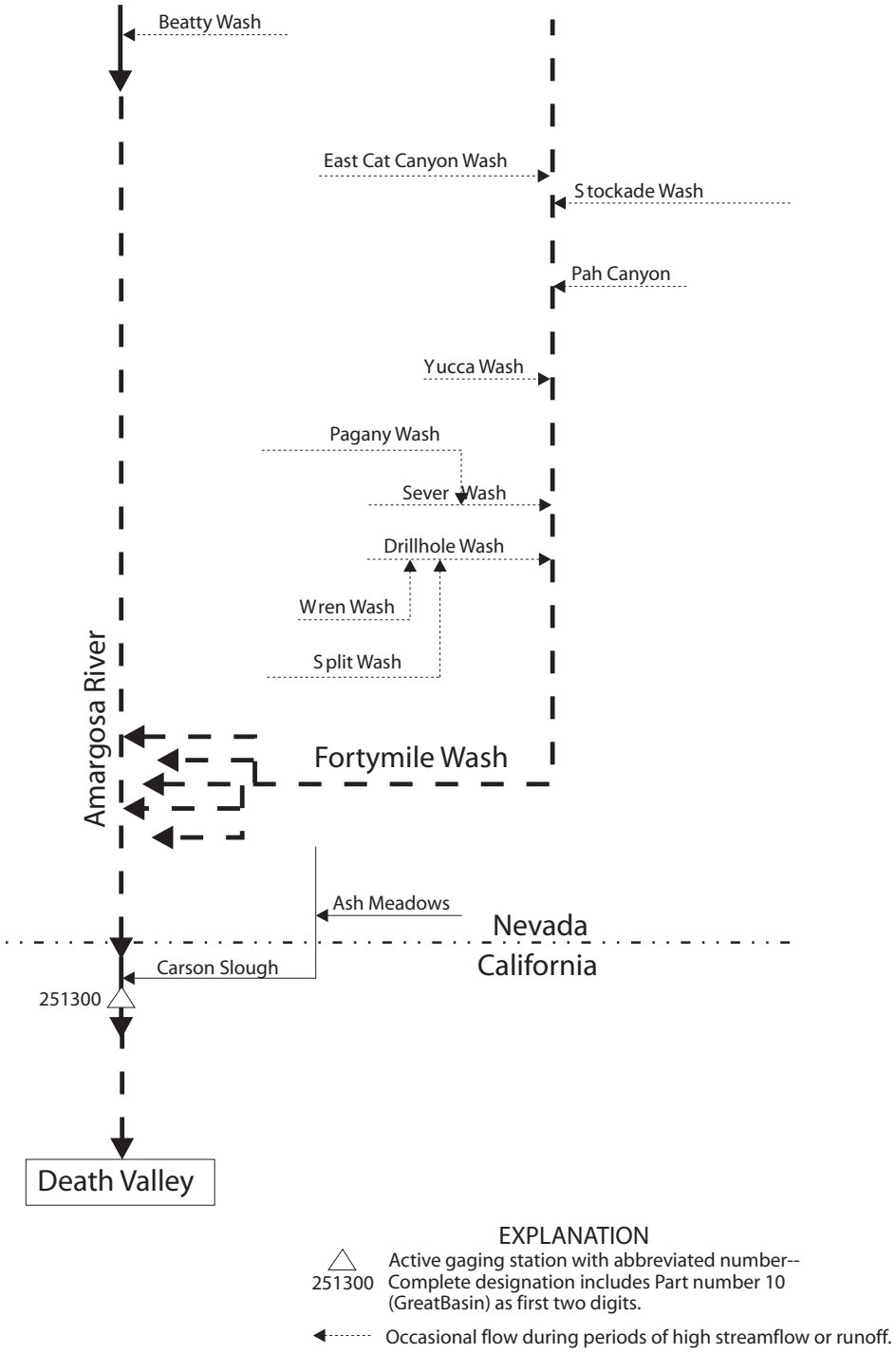

Figure 20. Schematic diagram of flow system and gaging stations in the Amargosa River basin.

OASIS VALLEY

10251217 AMARGOSA RIVER AT BEATTY, NV

LOCATION.--Lat 36°54'38", long 116°45'23", in SW $^1/_4$ NW $^1/_4$ sec.7, T.12 S., R.47 E., Nye County, Hydrologic Unit 18090202, on upstream side of culvert at U.S Highway 95, approximately 0.5 mi north of intersection of State Highway 374 and U.S. Highway 95, in Beatty.

DRAINAGE AREA.--458 mi^2 approximately.

PERIOD OF RECORD.--August 1993 to April 1995, January 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage 3,270 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,000 ft^3/s, March 11, 1995, gage height, 6.93 ft; minimum daily, 0.13 ft^3/s, August 13, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1.2 ft^3/s, March 3, gage height, 4.27 ft; minimum daily, 0.30 ft^3/s, August 14-21, 25, 26.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.40	0.64	0.68	0.86	1.0	0.98	0.86	0.80	0.53	0.38	0.34	0.31
2	0.40	0.64	0.70	0.86	1.0	0.98	0.83	0.80	0.56	0.37	0.34	0.31
3	0.39	0.64	0.72	0.86	1.00	0.99	0.83	0.78	0.53	0.38	0.34	0.31
4	0.40	0.64	0.72	0.87	0.98	1.0	0.82	0.78	0.55	0.37	0.34	0.32
5	0.40	0.65	0.72	0.89	0.98	1.0	0.83	0.76	0.47	0.36	0.35	0.34
6	0.41	0.65	0.72	0.89	0.98	1.1	0.83	0.76	0.45	0.36	0.34	0.33
7	0.41	0.64	0.72	0.89	0.98	0.99	0.81	0.75	0.45	0.35	0.35	0.33
8	0.42	0.64	0.72	0.89	0.98	0.98	0.79	0.74	0.45	0.36	0.34	0.33
9	0.42	0.65	0.74	0.89	0.98	0.98	0.79	0.76	0.47	0.36	0.33	0.33
10	0.43	0.64	0.72	0.91	0.98	0.94	0.78	0.78	0.47	0.36	0.33	0.33
11	0.46	0.63	0.72	0.93	0.98	0.92	0.77	0.78	0.45	0.37	0.33	0.33
12	0.45	0.67	0.72	0.93	0.98	0.91	0.76	0.76	0.43	0.37	0.33	0.33
13	0.45	0.72	0.72	0.93	0.98	0.92	0.73	0.73	0.43	0.36	0.32	0.32
14	0.45	0.67	0.75	0.93	0.98	0.93	0.71	0.70	0.43	0.36	0.30	0.32
15	0.45	0.67	0.80	0.98	0.97	1.1	0.76	0.68	0.42	0.36	0.30	0.32
16	0.46	0.67	0.80	0.98	0.97	1.1	0.83	0.76	0.42	0.37	0.30	0.32
17	0.46	0.67	0.80	0.98	0.98	1.0	0.83	0.72	0.39	0.37	0.30	0.33
18	0.47	0.67	0.80	0.98	0.95	1.1	0.83	0.64	0.38	0.39	0.30	0.32
19	0.48	0.68	0.82	0.98	0.93	1.1	0.82	0.63	0.37	0.38	0.30	0.33
20	0.49	0.68	0.84	0.98	0.93	1.1	0.82	0.64	0.38	0.37	0.30	0.33
21	0.51	0.66	0.84	0.99	0.91	1.1	0.82	0.65	0.38	0.36	0.30	0.33
22	0.50	0.65	0.84	0.98	0.90	1.1	0.81	0.68	0.38	0.35	0.31	0.33
23	0.53	0.65	0.85	0.98	0.91	0.93	0.80	0.64	0.37	0.34	0.31	0.34
24	0.56	0.70	0.89	1.00	0.90	0.93	0.82	0.64	0.38	0.35	0.31	0.33
25	0.57	0.68	0.89	1.0	0.89	0.92	0.82	0.63	0.37	0.35	0.30	0.34
26	0.57	0.68	0.89	1.0	0.89	0.91	0.83	0.61	0.38	0.35	0.30	0.33
27	0.58	0.68	0.89	1.0	0.89	0.89	0.83	0.60	0.38	0.35	0.31	0.34
28	0.58	0.71	0.89	1.0	0.91	0.89	0.82	0.56	0.38	0.35	0.31	0.34
29	0.59	0.72	0.89	1.0	---	0.89	0.82	0.55	0.38	0.34	0.31	0.34
30	0.63	0.70	0.89	1.0	---	0.89	0.82	0.54	0.36	0.34	0.31	0.34
31	0.64	---	0.88	1.0	---	0.87	---	0.53	---	0.34	0.31	---
TOTAL	14.96	19.99	24.57	29.36	26.71	30.44	24.22	21.38	12.79	11.17	9.86	9.85
MEAN	0.48	0.67	0.79	0.95	0.95	0.98	0.81	0.69	0.43	0.36	0.32	0.33
MAX	0.64	0.72	0.89	1.0	1.0	1.1	0.86	0.80	0.56	0.39	0.35	0.34
MIN	0.39	0.63	0.68	0.86	0.89	0.87	0.71	0.53	0.36	0.34	0.30	0.31
AC-FT	30	40	49	58	53	60	48	42	25	22	20	20

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

MEAN	0.50	0.60	0.78	1.07	1.34	2.09	0.88	0.67	0.45	0.52	0.33	0.40
MAX	0.83	0.72	1.05	2.34	4.10	9.78	1.08	0.93	0.74	1.34	0.58	0.62
(WY)	1999	1999	1995	1995	1998	1995	1998	1998	1998	1999	1999	1999
MIN	0.32	0.48	0.60	0.67	0.47	0.73	0.70	0.46	0.27	0.20	0.17	0.23
(WY)	1997	1998	1997	1997	1995	1999	1997	1996	1996	1996	1996	1996

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1993 - 2002	
ANNUAL TOTAL	306.67		235.30			
ANNUAL MEAN	0.84		0.64		0.74	
HIGHEST ANNUAL MEAN					0.98	1998
LOWEST ANNUAL MEAN					0.49	1997
HIGHEST DAILY MEAN	12	Feb 27	1.1	Mar 6	231	Mar 11 1995
LOWEST DAILY MEAN	0.33	Jul 3	0.30	Aug 14	0.13	Aug 13 1997
ANNUAL SEVEN-DAY MINIMUM	0.33	Jul 27	0.30	Aug 14	0.14	Aug 23 1997
MAXIMUM PEAK FLOW			1.2	Mar 18	1000	Mar 11 1995
MAXIMUM PEAK STAGE			4.27	Mar 3	6.93	Mar 11 1995
ANNUAL RUNOFF (AC-FT)	608		467		533	
10 PERCENT EXCEEDS	1.2		0.98		1.0	
50 PERCENT EXCEEDS	0.65		0.67		0.63	
90 PERCENT EXCEEDS	0.35		0.33		0.32	

UPPER AMARGOSA

10251300 AMARGOSA RIVER AT TECOPA, CA

LOCATION.--Lat 35°50'53", long 116°13'43", in NW $^1/_4$ NW $^1/_4$ SE $^1/_4$ sec.9, T.20 N., R.07 E., Inyo County, Hydrologic Unit 18090202, on right bank, 20 ft upstream from Old Spanish Trail Road, and 0.2 mi west of Tecopa.

DRAINAGE AREA.--3,090 mi^2, approximately, much of which is noncontributing.

PERIOD OF RECORD.--October 1961 to August 1983, October 1991 to September 1995, 1998 miscellaneous discharge, January 1999 to current year.

GAGE.--Water-stage recorder and culvert control. Elevation of gage is 1,310 ft above NGVD of 1929, from topographic map. Prior to October 16, 1991, at datum 16.52 ft higher.

REMARKS.--Records fair. City of Tecopa pumps water for municipal use upstream. See schematic diagram of Amargosa River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,600 ft^3/s, August 19, 1983, determined from culvert computations and flow over road, gage height, 16.00 ft, datum then in use; no flow some days some years

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 15	1215	*3.1	*4.45				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.13	0.44	1.7	1.5	1.7	2.1	0.90	0.26	0.08	0.08	0.14	0.33
2	0.14	0.43	1.8	1.5	1.8	1.3	0.89	0.29	0.08	0.08	0.14	0.32
3	0.14	0.43	1.8	1.5	1.9	1.0	0.99	0.29	0.08	0.08	0.14	0.31
4	0.14	0.41	1.8	1.6	2.0	1.2	1.0	0.28	0.08	0.08	0.14	0.31
5	0.15	0.42	1.4	1.2	2.0	1.4	1.0	0.25	0.08	0.09	0.15	0.32
6	0.15	0.41	1.5	1.2	2.0	1.5	0.93	0.22	0.08	0.09	0.15	0.34
7	0.17	0.43	1.9	1.3	2.0	1.5	0.91	0.18	0.07	0.09	0.16	0.35
8	0.18	0.46	1.5	1.4	2.0	1.4	0.86	0.18	0.06	0.09	0.17	0.37
9	0.17	0.41	1.7	1.4	1.9	0.99	0.87	0.14	0.07	0.09	0.17	0.40
10	0.16	0.46	2.2	1.7	1.5	1.2	0.66	0.13	0.07	0.09	0.17	0.41
11	0.17	0.49	2.2	1.1	1.5	1.4	0.68	0.14	0.07	0.09	0.18	0.42
12	0.17	0.53	1.5	1.2	1.7	1.4	0.71	0.11	0.07	0.09	0.18	0.43
13	0.18	0.61	1.3	1.3	1.8	1.4	0.67	0.13	0.06	0.09	0.19	0.44
14	0.19	0.70	1.4	1.5	1.9	0.99	0.57	0.13	0.06	0.09	0.19	0.44
15	0.18	0.58	2.0	1.9	1.9	0.76	0.38	0.13	0.06	0.10	0.22	0.45
16	0.19	0.52	1.3	1.6	1.8	0.87	0.32	0.10	0.06	0.10	0.23	0.43
17	0.20	0.48	1.4	1.3	1.8	0.79	0.32	0.10	0.06	0.10	0.24	0.42
18	0.21	0.49	1.4	1.6	1.8	1.8	0.39	0.09	0.06	0.11	0.25	0.41
19	0.21	0.51	1.4	1.6	1.8	1.7	0.43	0.09	0.06	0.11	0.26	0.42
20	0.21	0.54	1.5	1.8	1.8	1.7	0.45	0.09	0.06	0.12	0.28	0.43
21	0.21	0.55	1.6	1.7	1.9	1.8	0.42	0.09	0.06	0.11	0.29	0.49
22	0.21	0.54	1.6	2.0	1.9	1.8	0.44	0.10	0.06	0.11	0.29	0.47
23	0.22	0.60	1.8	1.8	1.8	1.6	0.43	0.10	0.07	0.12	0.30	0.47
24	0.26	0.69	1.5	1.6	1.7	1.2	0.42	0.10	0.07	0.14	0.30	0.49
25	0.28	1.1	1.1	1.7	1.4	1.4	0.46	0.10	0.07	0.13	0.29	0.51
26	0.29	0.90	1.2	1.9	1.4	1.4	0.43	0.10	0.07	0.13	0.27	0.50
27	0.31	1.3	1.3	2.0	1.5	1.6	0.46	0.09	0.07	0.13	0.31	0.51
28	0.34	1.2	1.3	2.0	1.5	1.5	0.40	0.09	0.08	0.13	0.31	0.52
29	0.35	1.5	1.4	2.0	---	1.5	0.39	0.09	0.08	0.14	0.31	0.47
30	0.38	1.7	1.7	2.0	---	1.2	0.31	0.09	0.08	0.14	0.33	0.49
31	0.43	---	1.5	1.7	---	0.82	---	0.09	---	0.14	0.33	---
TOTAL	6.72	19.83	48.7	49.6	49.7	42.22	18.09	4.37	2.08	3.28	7.08	12.67
MEAN	0.22	0.66	1.57	1.60	1.77	1.36	0.60	0.14	0.069	0.11	0.23	0.42
MAX	0.43	1.7	2.2	2.0	2.0	2.1	1.0	0.29	0.08	0.14	0.33	0.52
MIN	0.13	0.41	1.1	1.1	1.4	0.76	0.31	0.09	0.06	0.08	0.14	0.31
AC-FT	13	39	97	98	99	84	36	8.7	4.1	6.5	14	25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2002, BY WATER YEAR (WY)

MEAN	1.49	0.90	4.11	6.49	11.6	6.37	1.37	0.46	0.14	0.58	5.87	4.16
MAX	39.1	11.4	65.3	56.2	95.6	54.2	13.4	3.19	2.55	3.52	103	93.1
(WY)	1977	1966	1966	1995	1993	1983	1978	1977	1969	1965	1983	1976
MIN	0.000	0.005	0.39	0.70	0.69	0.36	0.074	0.018	0.000	0.000	0.000	0.000
(WY)	1972	1993	1994	1994	1979	1994	1994	1993	1966	1963	1962	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1962 - 2002	
ANNUAL TOTAL	362.26		264.34			
ANNUAL MEAN	0.99		0.72		3.65	
HIGHEST ANNUAL MEAN					14.9	1983
LOWEST ANNUAL MEAN					0.22	1994
HIGHEST DAILY MEAN	46	Feb 26	2.2	Dec 10	1500	Feb 26 1969
LOWEST DAILY MEAN	0.08	Jun 11	0.06	Jun 8	0.00	Jul 23 1962
ANNUAL SEVEN-DAY MINIMUM	0.08	Jun 11	0.06	Jun 13	0.00	Aug 1 1962
MAXIMUM PEAK FLOW			3.1	Jan 15	10600	Aug 19 1983
MAXIMUM PEAK STAGE			4.45	Jan 15	16.00	Aug 19 1983
ANNUAL RUNOFF (AC-FT)	719		524		2650	
10 PERCENT EXCEEDS	1.6		1.8		2.4	
50 PERCENT EXCEEDS	0.33		0.43		0.22	
90 PERCENT EXCEEDS	0.09		0.09		0.00	

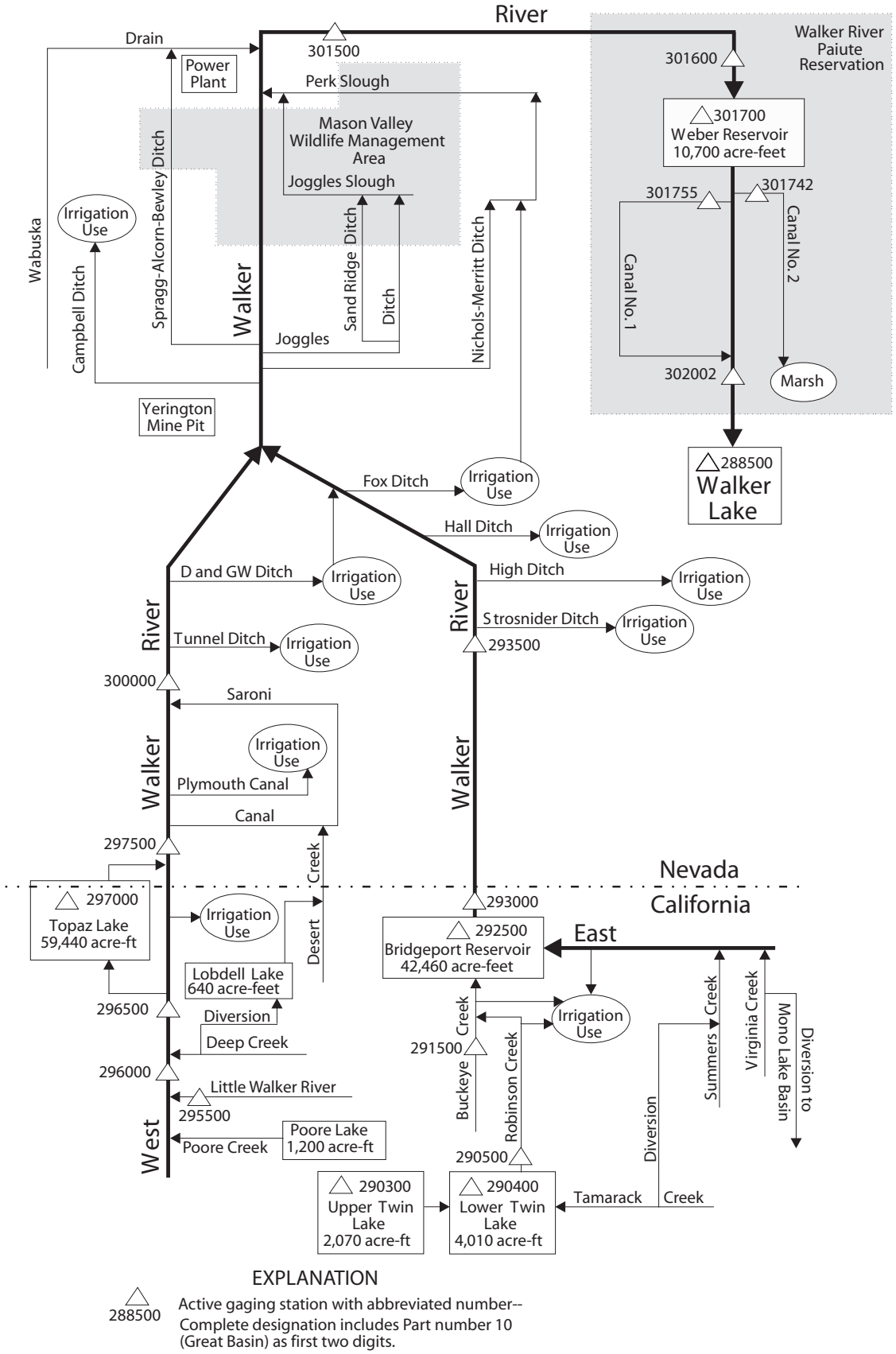

Figure 21. Schematic diagram of flow system and gaging stations in the Walker River basin.

WALKER LAKE BASIN

10288500 WALKER LAKE NEAR HAWTHORNE, NV

LOCATION.--Lat 38°40'36", long 118°46'16", in SE $^1/_4$ SE $^1/_4$ sec.27, T.10 N., R.29 E., Mineral County, Hydrologic Unit 16050304, 14.5 mi northwest of Hawthorne.

DRAINAGE AREA.--4,050 mi^2, approximately.

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

GAGE.--Nonrecording gage. Datum of gage is above NGVD 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 on the lake surface. See schematic diagram of Walker Lake 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, 1,973,000 acre-ft, May 8, 1995, elevation, 3,941.1 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, 2,183,000 acre-ft, October 1, elevation 3,947.4 ft; minimum observed, 2,062,000 acre-ft, August 28, elevation 3,943.8 ft.

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

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30	3,947.5	,2,187,000	--
October 31	3,947.1	2,173,000	-14,000
November 30	3,946.8	2,163,000	-10,000
December 31	3,946.3	2,146,000	-17,000
CALENDAR YEAR 2001	--	--	-133,000
January 31	3,946.2	2,143,000	-3,000
February 28	3,946.0	2,136,000	-7,000
March 31	3,945.8	2,129,000	-7,000
April 30	3,945.7	2,126,000	-3,000
May 31	3,945.4	2,116,000	-10,000
June 30	3,944.9	2,099,000	-17,000
July 31	3,944.4	2,082,000	-17,000
August 31	3,943.7	2,059,000	-23,000
September 30	3,943.1	2,039,000	-20,000
WATER YEAR 2002	--	--	-148,000

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

10290300 UPPER TWIN LAKE NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°09'15", long 119°20'58", in NW $^1/_4$ NE $^1/_4$ sec.5, T.3 N., R.24 E., 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 mi^2.

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 at 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 Lake 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, 2,630 acre-ft, May 31, elevation, 7,208.75 ft; minimum observed, 1,360 acre-ft, September 3, elevation, 7,204.75 ft.

MONTHEND ELEVATION, IN FEET ABOVE NGVD OF 1929, AND TOTAL CONTENTS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30	7,206.25	1,830	--
October 31	7,205.75	1,670	-160
November 30	7,206.26	1,830	+160
December 31	7,206.90	2,040	+210
CALENDAR YEAR 2001	--	--	+30
January 31	7,206.65	1,960	-80
February 28	7,206.63	1,950	-10
March 31	7,206.09	1,780	-170
April 30	7,207.71	2,300	+520
May 31	7,208.75	2,630	+330
June 30	7,208.33	2,500	-130
July 31	7,207.63	2,270	-230
August 31	7,205.00	1,440	-830
September 30	7,205.60	1,630	+190
WATER YEAR 2002	--	--	-200

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

WALKER LAKE BASIN

10290400 LOWER TWIN LAKE NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°10'05", long 119°19'33", in NE $^1/_4$ NE $^1/_4$ sec.33, T.4 N., R.24 E., 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 mi^2.

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 Lake 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, 4,620 acre-ft, May 31, elevation, 7,201.44 ft; minimum observed, 2,780 acre-ft, September 30, elevation 7,196.95 ft.

MONTHEND ELEVATION AND CONTENTS, IN FEET ABOVE NGVD OF 1929 , WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30	7,197.04	2,820	--
October 31	7,197.70	3,080	+260
November 30	7,198.63	3,450	+370
December 31	7,200.39	4,180	+730
CALENDAR YEAR 2001	--	--	+910
January 31	7,200.44	4,200	+20
February 28	7,200.48	4,210	+10
March 31	7,200.52	4,230	+20
April 30	7,200.96	4,410	+180
May 31	7,201.44	4,620	+210
June 30	7,201.43	4,620	0
July 31	7,199.39	3,760	-860
August 31	7,197.26	2,900	-860
September 30	7,196.95	2,780	-120
WATER YEAR 2002	--	--	-40

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

WALKER LAKE BASIN

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

LOCATION.--Lat 38°10'20", long 119°19'25", in SE $^1/_4$ SE $^1/_4$ sec.28, T.4 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 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 7,050 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Upper and Lower Twin Lakes. See schematic diagram of Walker Lake Basin.

REVISIONS.--WSP 1927: Drainage area.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 184 ft^3/s, June 2, 3, gage height, 2.97 ft; minimum daily, 3.1 ft^3/s, December 14-17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	7.3	4.8	13	15	14	16	46	163	124	90	20
2	8.1	7.3	5.0	15	15	14	17	45	180	123	89	18
3	8.1	7.4	5.1	16	15	14	17	43	182	122	88	18
4	7.9	7.5	5.1	17	15	14	18	43	175	117	86	18
5	8.1	7.5	5.1	17	15	13	19	43	168	113	84	15
6	8.2	7.4	5.1	17	14	15	21	45	167	107	84	10
7	8.2	7.3	5.1	17	14	18	23	48	170	102	83	10
8	7.8	7.3	5.0	17	14	16	26	53	174	98	83	11
9	7.9	7.5	4.1	17	15	17	30	58	169	95	82	12
10	7.9	7.5	4.1	17	15	16	33	61	159	92	81	12
11	7.8	7.6	4.2	17	14	13	35	64	147	88	79	11
12	8.0	6.7	4.2	17	14	14	39	64	137	86	78	11
13	8.2	5.3	4.8	16	14	13	44	78	132	85	77	11
14	8.2	5.3	3.1	17	14	13	50	82	132	85	75	11
15	8.5	5.3	3.1	15	14	13	57	84	134	84	54	12
16	8.6	5.4	3.1	15	14	14	65	86	136	81	39	12
17	8.6	5.6	3.1	15	16	13	71	98	135	78	39	12
18	8.6	5.5	3.2	15	16	12	68	110	134	75	37	12
19	8.6	5.5	3.3	15	15	12	64	119	136	71	36	12
20	8.6	6.2	3.3	14	15	13	60	128	143	68	36	12
21	8.6	7.3	3.3	15	15	13	56	127	145	67	35	12
22	8.5	6.9	3.6	13	15	14	52	120	144	68	32	12
23	8.4	6.2	3.5	13	15	15	49	110	139	65	30	12
24	8.4	6.2	3.5	14	14	15	46	101	130	68	29	12
25	8.4	5.9	3.6	15	14	15	45	94	125	80	29	12
26	8.4	5.9	4.0	14	14	15	47	90	124	78	27	12
27	8.4	5.9	5.5	14	14	15	49	91	125	81	25	12
28	8.4	5.8	6.1	14	14	15	48	95	126	84	22	12
29	8.4	5.0	8.5	14	---	15	48	104	126	84	21	12
30	8.0	5.0	10	14	---	15	48	118	125	83	20	11
31	7.5	---	12	14	---	16	---	139	---	87	20	---
TOTAL	255.5	192.5	147.5	473	408	444	1261	2587	4382	2739	1690	379
MEAN	8.242	6.417	4.758	15.26	14.57	14.32	42.03	83.45	146.1	88.35	54.52	12.63
MAX	8.6	7.6	12	17	16	18	71	139	182	124	90	20
MIN	7.5	5.0	3.1	13	14	12	16	43	124	65	20	10
AC-FT	507	382	293	938	809	881	2500	5130	8690	5430	3350	752

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

MEAN	21.33	9.276	7.634	16.62	16.76	17.39	45.74	108.5	189.5	160.6	94.95	49.15
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	0.000	0.000	0.000	0.000	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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1954 - 2002	
ANNUAL TOTAL	14395.9		14958.5			
ANNUAL MEAN	39.44		40.98		63.17	
HIGHEST ANNUAL MEAN					100	1995
LOWEST ANNUAL MEAN					33.8	1961
HIGHEST DAILY MEAN	206	May 26	182	Jun 3	998	Jan 3 1997
LOWEST DAILY MEAN	3.1	Dec 14	3.1	Dec 14	0.00	Nov 3 1953
ANNUAL SEVEN-DAY MINIMUM	3.2	Dec 14	3.2	Dec 14	0.00	Nov 3 1953
MAXIMUM PEAK FLOW			184	Jun 2	1170	Jan 3 1997
MAXIMUM PEAK STAGE			2.97	Jun 2	5.44	Jan 3 1997
ANNUAL RUNOFF (AC-FT)	28550		29670		45760	
10 PERCENT EXCEEDS	96		121		162	
50 PERCENT EXCEEDS	18		15		29	
90 PERCENT EXCEEDS	5.5		5.7		0.60	

WALKER LAKE BASIN

10291500 BUCKEYE CREEK NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°14'20", long 119°19'30", in NE $^1/_4$ NE $^1/_4$ sec.04, T.4 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.

DRAINAGE AREA.--44.1 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,900 ft above NGVD 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 Lake Basin.

REVISIONS.--WSP 1927: Drainage area.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,750 ft^3/s, January 2, 1997; gage height, 7.49 ft; minimum daily, 4.5 ft^3/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.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 15	0230	164	2.61	May 30	2245	*286	*2.99
May 18	0045	246	2.88				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e10	14	15	15	e16	19	41	48	218	89	29	14
2	e10	13	17	16	e16	19	48	48	181	87	29	13
3	e10	13	14	16	16	19	55	53	162	81	28	13
4	e10	13	e14	15	16	19	64	64	165	75	27	15
5	e10	13	e14	16	16	20	73	81	179	69	25	15
6	e10	12	e14	17	16	20	65	94	184	66	25	24
7	e10	12	e14	17	16	17	63	106	184	64	24	25
8	e10	12	e14	16	15	21	69	105	168	60	23	19
9	e10	11	e14	15	15	22	73	105	142	56	22	18
10	e10	11	e14	14	15	19	69	99	122	54	22	17
11	e10	12	e13	15	15	19	73	87	120	52	21	16
12	e10	12	e13	14	14	21	87	92	125	53	20	16
13	e10	12	e13	14	14	19	95	110	136	53	19	15
14	e10	12	13	16	14	17	115	133	139	52	19	14
15	e10	12	e13	13	14	19	126	143	129	49	19	14
16	e10	12	e14	15	14	19	86	153	126	46	18	14
17	e11	12	e14	e17	14	18	73	178	123	44	18	14
18	e10	11	e14	e17	13	19	63	199	131	43	17	14
19	e10	11	e15	e17	14	17	58	179	136	39	17	14
20	e10	11	15	e16	15	18	55	143	133	36	17	14
21	e10	12	16	e16	15	19	53	108	125	35	17	14
22	11	21	15	e16	17	20	54	92	112	33	17	13
23	11	14	14	e16	19	20	57	85	106	32	17	13
24	10	28	14	e16	18	18	65	88	104	30	17	13
25	10	17	e14	e16	18	18	70	106	102	30	16	13
26	11	18	e14	e15	19	18	78	126	104	29	16	13
27	11	18	14	e15	20	20	67	145	101	28	16	13
28	10	e17	14	15	20	23	59	147	96	27	15	14
29	10	17	15	15	---	25	56	177	92	26	15	14
30	18	e16	14	e15	---	30	52	209	90	25	15	14
31	19	---	16	e15	---	35	---	214	---	27	14	---
TOTAL	332	419	441	481	444	627	2062	3717	4035	1490	614	452
MEAN	10.71	13.97	14.23	15.52	15.86	20.23	68.73	119.9	134.5	48.06	19.81	15.07
MAX	19	28	17	17	20	35	126	214	218	89	29	25
MIN	10	11	13	13	13	17	41	48	90	25	14	13
AC-FT	659	831	875	954	881	1240	4090	7370	8000	2960	1220	897

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2002, BY WATER YEAR (WY)

MEAN	22.74	21.93	21.81	24.05	21.37	25.75	51.85	140.7	202.1	126.0	50.91	28.97
MAX	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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1911 - 2002	
ANNUAL TOTAL	13738.3		15114			
ANNUAL MEAN	37.64		41.41		60.28	
HIGHEST ANNUAL MEAN					114	1969
LOWEST ANNUAL MEAN					19.5	1977
HIGHEST DAILY MEAN	240	May 16	218	Jun 1	1050	Jan 2 1997
LOWEST DAILY MEAN	9.3	Feb 18	10	Oct 1	4.5	Jan 12 1963
ANNUAL SEVEN-DAY MINIMUM	10	Oct 1	10	Oct 1	5.5	Jan 11 1963
MAXIMUM PEAK FLOW			286	May 30	2750	Jan 2 1997
MAXIMUM PEAK STAGE			2.99	May 30	7.49	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	27250		29980		43670	
10 PERCENT EXCEEDS	98		113		164	
50 PERCENT EXCEEDS	15		18		28	
90 PERCENT EXCEEDS	11		12		13	

e Estimated

WALKER LAKE BASIN

10292500 BRIDGEPORT RESERVOIR NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°19'30", long 119°12'40", in SE $^1/_4$ NE $^1/_4$ sec.34, T.6 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 mi^2.

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 NGVD 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 Lake 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, 17,320 acre-ft, March 22, elevation, 6,449.15 ft; minimum 5,670 acre-feet, October 30, elevation, 6,439.29 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 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6770	5900	7940	10520	13460	16500	17030	15950	15200	14920	10980	7960
2	6720	5950	8060	10670	13530	16570	17000	15850	15310	14770	10900	7930
3	6650	6000	8160	10830	13600	16630	16950	15770	15370	14550	10800	7890
4	6580	6040	8230	10970	13680	16680	16900	15690	15410	14360	10700	7810
5	6580	6100	8270	11060	13760	16650	16840	15630	15530	14140	10590	7710
6	6500	6130	8400	11180	13830	16690	16790	15550	15680	13960	10500	7560
7	6450	6190	8470	11320	13910	16730	16760	15470	15820	13830	10380	7420
8	6400	6230	8530	11470	14000	16760	16730	15430	15820	13690	10260	7320
9	6370	6280	8630	11600	14110	16870	16660	15340	15990	13580	10170	7210
10	6320	6310	8680	11760	14200	16840	16600	15250	16040	13490	10050	7150
11	6290	6390	8780	11870	14330	16870	16580	15190	16040	13350	9910	7090
12	6300	6450	8830	11980	14450	16930	16540	15100	16010	13200	9790	7050
13	6300	6510	8970	12100	14570	16870	16570	15040	15980	13050	9650	7000
14	6290	6560	9010	12190	14700	16930	16650	15060	15870	12930	9480	6940
15	6300	6620	9040	12290	14880	16950	16630	15070	15720	12790	9310	6890
16	6310	6670	9110	12340	15000	16960	16710	15110	15610	12620	9150	6840
17	6290	6730	9210	12390	15110	16900	16650	15170	15550	12580	9000	6790
18	6240	6780	9280	12430	15230	16980	16610	15280	15490	12560	8840	6800
19	6170	6860	9340	12490	15400	17000	16600	15410	15520	12500	8680	6770
20	6100	6910	9450	12560	15530	17010	16500	15400	15610	12440	8520	6740
21	6050	6900	9510	12660	15690	17040	16470	15340	15740	12370	8410	6730
22	5970	7010	9600	12730	15960	17060	16410	15280	15900	12270	8340	6730
23	5910	7080	9680	12770	15930	17090	16300	15160	15980	12130	8290	6730
24	5860	7390	9730	12850	16060	17130	16220	15060	16010	11980	8250	6680
25	5830	7490	9770	12940	16170	17130	16170	14940	15980	11820	8210	6620
26	5800	7540	9850	13040	16280	17130	16220	14830	15880	11690	8170	6490
27	5770	7610	9950	13150	16360	17090	16170	14760	15720	11580	8110	6360
28	5740	7670	10040	13200	16360	17080	16140	14740	15520	11430	8060	6280
29	5700	7780	10130	13270	---	17080	16110	14760	15320	11310	8020	6220
30	5760	7840	10260	13320	---	17060	16010	14890	15130	11200	8000	6180
31	5830	---	10410	13390	---	17060	---	15040	---	11070	7980	---
MAX	6770	7840	10410	13390	16360	17130	17030	15950	16040	14920	10980	7960
MIN	5700	5900	7940	10520	13460	16500	16010	14740	15130	11070	7980	6180
#	6439.49	6441.75	6444.18	6446.56	6448.56	6449.00	6448.34	6447.71	6447.77	6444.74	6441.90	6439.92
##	-980	+2010	+2570	+2980	+2970	+700	-1050	-970	+90	-4060	-3090	-1800

CAL YR 2001 MAX 25540 MIN 5700 ## -6620
WTR YR 2002 MAX 17130 MIN 5700 ## +350

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

WALKER LAKE BASIN

10293000 EAST WALKER RIVER NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°19'40", long 119°12'50", in SW $^1/_4$ NE $^1/_4$ sec.34, T.6 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 mi^2.

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 NGVD of 1929, from topographic map. Prior to October 1, 1921, nonrecording gage at site 0.5 mi upstream at different datum. October 1, 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 1, 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 excellent. Diversions for irrigation of meadow pasturelands near Bridgeport. Flow regulated by Bridgeport Reservoir (station 10292500). See schematic diagram of Walker Lake Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,910 ft^3/s, January 4, 1997, gage height, 6.74 ft; minimum daily, 0.20 ft^3/s, November 2, 1955.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 274 ft^3/s, June 2, 3, gage height, 3.85 ft; minimum daily, 20 ft^3/s, December 27, 28 and January 3-14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	21	21	21	27	23	49	69	199	210	88	47
2	60	21	21	21	27	25	53	74	269	201	84	47
3	66	21	22	20	25	26	62	70	246	201	78	50
4	61	21	25	20	27	39	66	65	214	186	78	69
5	58	21	24	20	25	61	63	65	189	182	73	93
6	53	21	21	20	22	66	54	69	187	175	67	97
7	53	21	21	20	22	66	48	74	216	155	67	90
8	53	21	22	20	22	59	44	74	228	138	67	79
9	52	21	22	20	22	49	43	74	221	111	67	75
10	52	21	21	20	22	49	48	70	216	105	75	63
11	45	21	21	20	22	55	44	66	204	116	84	53
12	36	21	21	20	22	62	39	65	198	133	84	53
13	36	21	21	20	23	59	39	62	198	127	84	54
14	36	21	21	20	23	45	39	53	209	121	92	51
15	29	21	26	23	23	39	39	48	223	121	102	45
16	30	21	24	25	23	39	43	48	223	116	98	45
17	43	21	22	25	23	39	51	48	207	107	92	45
18	52	21	24	25	23	41	61	62	181	97	100	45
19	67	21	21	24	23	49	66	93	174	86	106	45
20	67	21	21	25	23	49	62	115	160	81	101	42
21	66	21	22	23	23	49	58	134	154	81	89	37
22	63	21	23	22	23	49	61	120	155	85	62	36
23	58	21	23	25	23	49	66	117	155	98	47	36
24	55	21	25	24	23	49	62	123	156	105	47	47
25	51	22	24	21	23	49	54	123	170	91	47	68
26	51	26	21	21	23	49	48	123	196	81	47	81
27	51	26	20	21	23	49	48	123	219	84	51	82
28	51	24	20	23	23	49	48	123	227	90	55	74
29	44	22	21	26	---	49	60	119	227	86	55	65
30	26	24	21	26	---	49	66	126	227	80	52	57
31	21	---	21	26	---	49	---	155	---	83	47	---
TOTAL	1539	648	683	687	653	1479	1584	2750	6048	3733	2286	1771
MEAN	49.65	21.60	22.03	22.16	23.32	47.71	52.80	88.71	201.6	120.4	73.74	59.03
MAX	67	26	26	26	27	66	66	155	269	210	106	97
MIN	21	21	20	20	22	23	39	48	154	80	47	36
AC-FT	3050	1290	1350	1360	1300	2930	3140	5450	12000	7400	4530	3510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2002, BY WATER YEAR (WY)

MEAN	61.72	29.66	38.07	45.80	51.39	89.32	174.8	256.4	310.5	299.4	238.9	153.8
MAX	301	325	398	804	345	417	721	880	1001	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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1922 - 2002	
ANNUAL TOTAL	29772		23861			
ANNUAL MEAN	81.57		65.37		146.1	
HIGHEST ANNUAL MEAN					443	1983
LOWEST ANNUAL MEAN					37.5	1931
HIGHEST DAILY MEAN	240	May 13	269	Jun 2	1880	Jan 4 1997
LOWEST DAILY MEAN	16	Jan 5	20	Dec 27	0.20	Nov 2 1955
ANNUAL SEVEN-DAY MINIMUM	16	Jan 5	20	Jan 3	0.20	Nov 2 1955
MAXIMUM PEAK FLOW			274	Jun 2	1910	Jan 4 1997
MAXIMUM PEAK STAGE			3.85	Jun 2	6.74	Jan 4 1997
ANNUAL RUNOFF (AC-FT)	59050		47330		105800	
10 PERCENT EXCEEDS	175		155		342	
50 PERCENT EXCEEDS	66		49		93	
90 PERCENT EXCEEDS	21		21		7.0	

10293500 EAST WALKER RIVER ABOVE STROSNIDER DITCH NEAR MASON, NV

LOCATION.--Lat 38°48'45", long 119°02'50", in NW $^1/_4$ SW $^1/_4$ 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 mi^2, approximately.

PERIOD OF RECORD.--January 1947 to current year (irrigation season only, l979 to 1994).

GAGE.--Water-stage recorder. Datum of gage is 4,574.10 ft above NGVD 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 Lake Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,610 ft^3/s, January 4, 1997, gage height, 9.61 ft; minimum daily, 2.3 ft^3/s, March 12, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 198 ft^3/s, June 3, gage height, 3.83 ft; minimum daily, 24 ft^3/s, September 25.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	33	31	31	e30	27	47	52	112	159	44	35
2	43	31	32	31	e30	25	48	53	134	149	51	32
3	45	30	32	32	e30	25	47	52	189	135	56	30
4	54	30	32	32	e30	27	55	48	181	137	51	30
5	53	29	29	30	e31	28	62	44	161	132	47	33
6	52	28	30	29	e33	42	63	45	144	130	46	55
7	48	28	31	30	39	57	58	47	140	136	43	72
8	48	27	29	31	35	58	50	54	155	115	40	78
9	48	27	28	31	33	56	43	55	170	106	39	69
10	51	27	29	31	32	49	40	56	172	87	39	63
11	51	28	30	29	31	45	43	57	171	79	38	57
12	47	27	30	29	32	45	44	51	162	78	41	46
13	41	27	30	29	32	48	40	52	153	100	44	40
14	37	27	30	29	32	56	38	50	148	111	49	38
15	34	26	32	29	31	49	42	42	151	105	48	36
16	31	26	28	30	31	47	43	37	163	99	59	32
17	29	26	28	30	30	46	40	36	164	96	64	33
18	27	27	e29	e29	31	45	42	36	156	96	62	33
19	30	27	e29	e29	30	45	50	32	139	95	63	33
20	39	26	e29	e29	30	49	60	56	135	81	74	33
21	47	26	e29	e28	29	53	61	79	128	69	72	31
22	51	26	29	e28	28	51	56	104	132	62	73	28
23	54	27	31	e28	28	51	54	106	126	57	56	26
24	51	30	31	e29	28	52	59	99	121	57	43	25
25	50	36	30	e33	28	52	55	104	116	68	37	24
26	44	35	28	e30	28	51	48	101	115	62	34	31
27	42	31	33	e29	27	50	42	101	129	52	34	51
28	43	32	31	e29	27	49	37	100	141	47	33	65
29	43	33	31	e29	---	49	37	98	155	43	35	65
30	43	32	31	e30	---	47	40	94	160	44	39	62
31	39	---	31	e30	---	45	---	89	---	46	39	---
TOTAL	1359	865	933	923	856	1419	1444	2030	4423	2833	1493	1286
MEAN	43.8	28.8	30.1	29.8	30.6	45.8	48.1	65.5	147	91.4	48.2	42.9
MAX	54	36	33	33	39	58	63	106	189	159	74	78
MIN	27	26	28	28	27	25	37	32	112	43	33	24
AC-FT	2700	1720	1850	1830	1700	2810	2860	4030	8770	5620	2960	2550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2002, BY WATER YEAR (WY)

MEAN	72.7	45.1	54.3	72.0	79.6	93.2	181	260	319	284	221	156
MAX	173	173	178	813	383	363	755	905	1420	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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1948 - 2002	
ANNUAL TOTAL	26890		19864			
ANNUAL MEAN	73.7		54.4		153	
HIGHEST ANNUAL MEAN					401	1969
LOWEST ANNUAL MEAN					38.7	1961
HIGHEST DAILY MEAN	208	May 14	189	Jun 3	2580	Jun 4 1986
LOWEST DAILY MEAN	26	Nov 15	24	Sep 25	2.3	Mar 12 1977
ANNUAL SEVEN-DAY MINIMUM	26	Nov 15	26	Nov 15	3.6	Mar 20 1948
MAXIMUM PEAK FLOW			198	Jun 3	2610	Jan 4 1997
MAXIMUM PEAK STAGE			3.83	Jun 3	9.61	Jan 4 1997
ANNUAL RUNOFF (AC-FT)	53340		39400		110900	
10 PERCENT EXCEEDS	142		115		344	
50 PERCENT EXCEEDS	57		43		100	
90 PERCENT EXCEEDS	30		28		25	

e Estimated

WALKER LAKE BASIN

10295500 LITTLE WALKER RIVER NEAR BRIDGEPORT, CA

LOCATION.--Lat 38°21'39", long 119°26'38", in NW $^1/_4$ NW $^1/_4$ sec.22, T.6 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.--63.1 mi^2.

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 NGVD of 1929, from topographic map. April to August 1910, nonrecording gage at site 1 mi upstream at different datum. Prior to January 2, 1997 at same site, at datum 1.0 ft higher.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,540 ft^3/s, January 2, 1997, gage height, 5.70 ft; minimum daily, 2.6 ft^3/s, August 16, 1977.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 31	2345	*270	*2.60	No other peak greater than base discharge.			

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	12	15	17	e15	17	30	40	208	59	19	13
2	7.6	12	16	18	e15	18	34	40	168	58	19	13
3	7.7	11	e16	17	e15	19	38	42	178	55	18	12
4	7.6	11	e16	e17	e14	18	43	46	161	51	17	13
5	7.9	11	e16	e17	e14	16	43	52	169	48	16	14
6	7.8	11	e16	17	e14	17	41	58	152	46	16	16
7	7.6	11	e16	18	e13	13	40	59	152	44	16	14
8	7.6	12	e16	17	13	19	42	60	139	42	15	13
9	7.4	13	e16	16	e13	20	43	61	127	39	15	12
10	7.5	13	e16	15	e13	18	43	62	119	38	14	11
11	7.6	14	16	18	e14	19	48	61	112	36	14	11
12	7.6	13	16	16	14	21	52	64	113	35	13	9.8
13	7.6	13	15	17	15	18	54	71	109	35	12	8.5
14	7.7	13	e15	21	16	17	66	76	103	34	12	8.5
15	7.7	13	e15	21	16	20	76	95	97	33	12	8.2
16	7.6	13	e16	20	17	20	62	105	94	31	12	8.4
17	7.5	13	e16	e20	15	19	56	122	92	31	12	8.5
18	7.6	12	e16	e20	16	19	50	134	97	32	12	8.6
19	7.8	13	e17	e19	17	19	49	137	100	31	12	8.7
20	7.7	12	17	e19	21	16	48	125	96	29	12	8.7
21	7.7	15	e17	e19	20	17	46	103	92	28	12	9.1
22	7.8	24	e16	e18	20	17	42	87	82	26	12	9.5
23	7.7	14	16	e18	20	17	46	80	77	24	12	9.3
24	7.8	37	e16	e18	18	18	48	81	73	23	12	9.1
25	7.9	20	e16	e17	18	18	47	88	72	23	12	9.0
26	8.0	e19	17	e17	18	18	50	104	72	22	12	9.1
27	7.9	e18	16	17	18	18	46	106	70	20	13	9.2
28	8.2	e18	16	e17	18	19	45	113	69	20	14	9.9
29	8.0	18	17	e16	---	22	52	126	65	19	14	10
30	16	e16	16	e16	---	25	45	156	62	19	14	9.9
31	14	---	18	e16	---	28	---	186	---	18	14	---
TOTAL	253.7	445	499	549	450	580	1425	2740	3320	1049	429	314.0
MEAN	8.184	14.83	16.10	17.71	16.07	18.71	47.50	88.39	110.7	33.84	13.84	10.47
MAX	16	37	18	21	21	28	76	186	208	59	19	16
MIN	7.4	11	15	15	13	13	30	40	62	18	12	8.2
AC-FT	503	883	990	1090	893	1150	2830	5430	6590	2080	851	623

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

MEAN	20.22	21.51	21.84	22.49	22.58	27.35	51.01	126.3	173.2	102.1	38.69	23.04
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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1945 - 2002	
ANNUAL TOTAL	11500.7		12053.7			
ANNUAL MEAN	31.51		33.02		54.29	
HIGHEST ANNUAL MEAN					113	1983
LOWEST ANNUAL MEAN					13.9	1977
HIGHEST DAILY MEAN	200	May 16	208	Jun 1	730	May 16 1996
LOWEST DAILY MEAN	7.3	Sep 27	7.4	Oct 9	2.6	Aug 16 1977
ANNUAL SEVEN-DAY MINIMUM	7.5	Sep 27	7.6	Oct 7	3.0	Aug 11 1977
MAXIMUM PEAK FLOW			270	May 31	2540	Jan 2 1997
MAXIMUM PEAK STAGE			2.60	May 31	5.70	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	22810		23910		39330	
10 PERCENT EXCEEDS	80		84		143	
50 PERCENT EXCEEDS	16		17		25	
90 PERCENT EXCEEDS	8.6		8.7		13	

e Estimated

WALKER LAKE BASIN

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

LOCATION.--Lat 38°22'47", long 119°26'57", in NE $^1/_4$ SE $^1/_4$ sec.9, T.6 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 mi^2.

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 NGVD of 1929. Prior to October 1, 1939, at site, 125 ft downstream at datum 1.00 ft higher. October 1, 1939, to September 30, 1969, at present site and datum. October 1, 1969, to July 10, 1987, at site 100 ft downstream at same datum. July 10, 1987 to March 5, 1997, at site upstream 100 ft at same datum. March 6, 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 Lake Basin.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed prior to 1938, 5,800 ft^3/s, December 11, 1937, on basis of slope-area measurement of peak flow.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,300 ft^3/s, January 2, 1997, gage height, 10.11 ft; minimum daily, 9.7 ft^3/s, September 11, 1997.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharges of 1,120 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 19	0245	*1760	4.66	June 6	0100	1570	4.44
June 1	0345	*1760	*4.67				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	44	51	67	64	85	210	277	1500	387	67	40
2	19	39	50	70	60	81	251	270	1220	368	65	39
3	19	36	52	73	60	83	305	297	987	342	68	35
4	18	34	46	69	60	83	372	374	1020	303	67	37
5	19	33	60	84	60	82	428	487	1150	274	65	39
6	20	33	65	72	58	87	401	590	1220	259	63	43
7	19	32	60	79	58	78	387	668	1190	249	60	54
8	19	33	60	77	52	77	426	662	1080	235	57	52
9	19	33	63	73	58	94	480	645	869	212	55	44
10	20	33	63	69	62	89	460	597	680	205	52	39
11	20	39	58	70	56	86	503	511	647	196	51	38
12	20	37	55	69	54	96	589	527	704	194	48	37
13	19	38	53	67	56	88	633	632	783	203	45	34
14	19	39	e48	e61	53	83	779	800	837	206	47	33
15	19	39	e45	e57	54	82	910	897	756	184	50	31
16	20	39	e49	e52	56	86	583	1010	710	168	45	30
17	21	38	e52	e58	56	82	453	1130	692	155	43	30
18	21	35	56	65	51	82	374	1290	750	150	42	31
19	21	34	59	67	60	78	336	1280	835	138	40	31
20	21	36	59	65	74	79	304	996	774	125	41	30
21	21	40	53	66	73	84	283	720	698	124	41	30
22	21	77	58	57	78	88	279	554	603	115	40	30
23	21	49	56	54	83	94	311	480	539	106	38	29
24	21	104	53	66	76	93	359	485	518	98	40	27
25	21	65	59	62	76	88	401	596	489	94	41	26
26	22	62	62	58	79	94	435	704	519	89	37	25
27	21	56	57	57	84	97	393	849	497	83	43	25
28	22	59	55	58	84	105	344	913	443	78	46	25
29	22	52	62	56	---	117	331	1050	416	75	42	26
30	39	55	64	61	---	146	305	1330	400	73	42	25
31	53	---	72	64	---	177	---	1410	---	68	39	---
TOTAL	677	1343	1755	2023	1795	2864	12625	23031	23526	5556	1520	1015
MEAN	21.84	44.77	56.61	65.26	64.11	92.39	420.8	742.9	784.2	179.2	49.03	33.83
MAX	53	104	72	84	84	177	910	1410	1500	387	68	54
MIN	18	32	45	52	51	77	210	270	400	68	37	25
MED	20	39	57	66	60	86	390	662	730	168	45	31
AC-FT	1340	2660	3480	4010	3560	5680	25040	45680	46660	11020	3010	2010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2002, BY WATER YEAR (WY)

MEAN	54.96	67.49	71.28	78.33	75.13	110.4	302.9	781.8	954.1	492.1	151.1	73.79
MAX	219	539	448	854	246	369	609	1655	2066	1864	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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1938 - 2002	
ANNUAL TOTAL	69214		77730			
ANNUAL MEAN	189.6		213.0		265.5	
HIGHEST ANNUAL MEAN					537	1983
LOWEST ANNUAL MEAN					65.3	1977
HIGHEST DAILY MEAN	1660	May 16	1500	Jun 1	8660	Jan 2 1997
LOWEST DAILY MEAN	15	Sep 22	18	Oct 4	9.7	Sep 11 1977
ANNUAL SEVEN-DAY MINIMUM	16	Sep 18	19	Oct 2	10	Sep 5 1977
MAXIMUM PEAK FLOW			1760	Jun 1	12300	Jan 2 1997
MAXIMUM PEAK STAGE			4.67	Jun 1	10.11	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	137300		154200		192300	
10 PERCENT EXCEEDS	622		673		804	
50 PERCENT EXCEEDS	50		66		87	
90 PERCENT EXCEEDS	21		28		34	

e Estimated

WALKER LAKE BASIN

10296500 WEST WALKER RIVER NEAR COLEVILLE, CA

LOCATION.--Lat 38°30'48", long 119°26'56", in NE $^1/_4$ NE $^1/_4$ sec.28, T.8 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 mi^2.

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 NGVD of 1929, from topographic map. See WSP 1927 for history of changes prior to July 25, 1964. July 26, 1964 to January 2, 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.--No estimated daily discharges. Records fair. 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 Lake Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft^3/s, January 2, 1997, gage height, 10.23 ft; minimum daily, 14 ft^3/s, several days July-September 1924 and September 12, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,120 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 19	0230	1300	7.05	June 1	0645	*1470	*2.29

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	44	56	69	53	81	205	326	1340	420	81	51
2	27	40	62	71	52	76	265	322	1130	407	81	49
3	27	38	48	76	50	77	325	337	905	387	79	46
4	26	37	49	63	50	80	387	393	906	354	77	45
5	26	36	56	71	50	81	435	482	994	327	75	48
6	27	35	64	71	51	84	413	563	1110	310	73	49
7	27	35	60	78	53	82	399	636	1060	297	72	58
8	27	35	57	77	50	70	423	637	972	283	69	55
9	27	36	59	74	48	83	468	619	816	257	67	53
10	28	36	57	70	53	83	455	588	650	243	64	50
11	28	38	57	66	56	84	486	521	626	234	62	48
12	28	38	56	69	56	92	553	524	652	227	60	47
13	28	38	56	64	58	88	593	593	723	262	58	44
14	28	39	52	65	58	83	686	724	770	279	57	44
15	28	39	45	61	56	74	826	794	702	230	57	43
16	27	39	54	55	58	80	553	832	668	199	55	42
17	27	39	62	54	61	76	457	921	657	185	54	44
18	27	37	52	56	56	78	400	1060	697	183	53	44
19	27	37	57	58	60	76	368	1070	748	166	51	44
20	27	38	57	59	70	80	340	851	695	148	51	44
21	27	38	51	64	73	82	325	655	669	144	51	43
22	27	66	56	55	75	86	326	536	589	133	50	43
23	27	53	56	48	81	92	345	479	539	120	48	41
24	27	93	50	57	76	93	387	475	531	111	47	40
25	28	73	52	62	75	88	417	544	507	106	46	39
26	28	57	61	55	77	91	451	647	528	101	45	38
27	28	58	59	56	82	95	423	764	522	95	47	38
28	28	59	59	50	81	99	386	794	478	89	46	38
29	28	59	63	48	---	107	373	910	450	85	46	39
30	32	53	65	54	---	126	351	1100	434	83	45	38
31	50	---	72	58	---	156	---	1270	---	79	47	---
TOTAL	874	1363	1760	1934	1719	2723	12821	20967	22068	6544	1814	1345
MEAN	28.19	45.43	56.77	62.39	61.39	87.84	427.4	676.4	735.6	211.1	58.52	44.83
MAX	50	93	72	78	82	156	826	1270	1340	420	81	58
MIN	26	35	45	48	48	70	205	322	434	79	45	38
AC-FT	1730	2700	3490	3840	3410	5400	25430	41590	43770	12980	3600	2670

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2002, BY WATER YEAR (WY)

MEAN	69.86	70.60	67.64	78.87	81.55	126.9	307.9	791.6	990.4	525.8	166.0	83.37
MAX	299	214	270	905	280	403	636	1756	2055	2492	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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1903 - 2002	
ANNUAL TOTAL	67437		75932			
ANNUAL MEAN	184.8		208.0		279.7	
HIGHEST ANNUAL MEAN					669	1907
LOWEST ANNUAL MEAN					74.5	1977
HIGHEST DAILY MEAN	1510	May 16	1340	Jun 1	9000	Jan 2 1997
LOWEST DAILY MEAN	25	Sep 21	26	Oct 4	14	Jul 24 1924
ANNUAL SEVEN-DAY MINIMUM	26	Sep 18	27	Oct 1	14	Aug 28 1924
MAXIMUM PEAK FLOW			1470	Jun 1	12500	Jan 2 1997
MAXIMUM PEAK STAGE			7.29	Jun 1	10.23	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	133800		150600		202600	
10 PERCENT EXCEEDS	586		641		839	
50 PERCENT EXCEEDS	55		69		95	
90 PERCENT EXCEEDS	28		37		38	

WALKER LAKE BASIN

10297000 TOPAZ LAKE NEAR TOPAZ, CA

LOCATION.--Lat 38°41'35", long 119°31'10", in NW $^1/_4$ NE $^1/_4$ sec.33, T.10 N., R.22 E., Douglas County, Hydrologic Unit 16050301, 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 NGVD 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 Lake 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 34,690 acre-ft, June 21, elevation, 4993.20 ft; minimum contents, 7,290 acre-ft, September 30, elevation 4,976.98 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 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10760	9280	10980	14610	18270	21190	22300	21300	28410	31690	21690	12470
2	10730	9330	11370	14820	18350	21250	22340	21070	29410	31240	21340	12230
3	10680	9340	11420	14990	18430	21320	22370	20870	30010	30780	21000	11970
4	10610	9380	11530	15130	18520	21370	22530	20730	30500	30310	20560	11660
5	10560	9390	11640	15250	18600	21490	22780	20760	31140	29810	20170	11340
6	10520	9410	11760	15380	18680	21540	22970	20970	31920	29340	19770	11000
7	10500	9420	11870	15530	18800	21640	23120	21360	32620	28940	19470	10710
8	10390	9420	11990	15710	18900	21630	23270	21830	33220	28550	19220	10470
9	10370	9460	12050	15860	18950	21690	23430	22190	33580	28240	18970	10230
10	10310	9470	12200	16010	19050	21630	23560	22440	33620	27940	18730	10030
11	10260	9490	12290	16170	19150	21630	23670	22590	33540	27630	18430	9840
12	10210	9470	12410	16310	19250	21630	23800	22680	33540	27380	18080	9650
13	10160	9540	12370	16470	19350	21660	23960	22810	33690	27190	17750	9490
14	10100	9550	12630	16540	19440	21730	24090	23090	33910	27000	17430	9360
15	10070	9580	12700	16650	19550	21780	24590	23440	34070	26800	17100	9180
16	9950	9620	12720	16770	19650	21790	24610	23580	34140	26570	16850	9060
17	10020	9670	12890	16870	19790	21830	24440	23770	34210	e26360	16600	8930
18	9910	9680	13010	16980	19890	21860	24230	24180	34310	e26190	16360	8750
19	9890	9740	13110	17070	19990	21910	23970	24680	34540	26020	16090	8610
20	9830	9540	13240	17170	20110	21960	23680	25040	34620	25790	15840	8470
21	9760	9790	13320	17230	20210	22000	23340	25190	34670	25570	15600	8340
22	9710	9890	13400	17350	20360	22050	23020	25090	34600	25350	15320	8260
23	9670	9940	13550	17450	20460	22170	22680	24860	34380	25120	15050	8160
24	9650	10210	13640	17520	20610	22220	22420	24620	34160	24810	14820	8020
25	9600	10400	13760	17570	20730	22270	22270	24470	33920	24440	14510	7890
26	9570	10520	13860	17750	20870	22300	22200	24450	33710	24030	14220	7750
27	9540	10580	13950	17800	20980	22320	22020	24660	33430	23580	13900	7700
28	9510	10730	14100	17910	21080	22320	21880	24900	33070	23150	13550	7510
29	9470	10810	14250	18030	---	22300	21730	25310	32640	22750	13220	7430
30	9300	10840	14450	18100	---	22290	21540	26090	32160	22370	12930	7310
31	9330	---	14510	18170	---	22290	---	27210	---	22070	12700	---
MAX	10760	10840	14510	18170	21080	22320	24610	27210	34670	31690	21690	12470
MIN	9300	9280	10980	14610	18270	21190	21540	20730	28410	22070	12700	7310
#	4973.64	4974.58	4976.84	4979.05	4980.78	4981.50	4981.05	4984.36	4987.18	4981.37	4975.73	4972.37
##	-1510	+1510	+3670	+3660	+2910	+1210	-750	+5670	+4950	-10090	-9370	-5390

CAL YR 2001 MAX 40710 MIN 9280 ## +3430
WTR YR 2002 MAX 34670 MIN 7310 ## -3530

Elevation, in feet above sea level, at end of month.
Change in contents, in acre-feet.

WALKER LAKE BASIN

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

LOCATION.--Lat 38°43'40", long 119°25'40", in NE $^1/_4$ SE $^1/_4$ sec.17, T.10 N., R.23 E., Douglas County, Hydrologic Unit 16050302, on left bank, 20 ft upstream from Hoye Bridge, 2 mi upstream from head of Saroni Canal, and 4 mi southwest of Wellington.

DRAINAGE AREA.--497 mi^2.

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 NGVD 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 good 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 Lake Basin.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 701 ft^3/s, May 19, gage height, 4.04 ft; minimum daily, 17 ft^3/s, January 12-14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	43	24	29	e24	43	77	253	380	472	191	137
2	50	36	28	28	e25	40	81	249	422	437	177	134
3	53	30	30	24	e25	48	92	223	387	414	178	136
4	51	30	26	23	25	48	93	215	432	413	199	146
5	50	31	24	22	25	49	95	186	402	394	207	153
6	47	31	26	23	24	61	115	199	408	350	195	155
7	44	30	27	22	24	89	140	191	474	289	180	157
8	44	30	26	23	25	87	138	170	459	278	153	157
9	42	30	26	23	25	86	156	189	457	225	152	152
10	56	31	28	21	24	82	164	229	435	216	150	135
11	52	31	27	18	24	82	199	255	430	206	166	131
12	34	31	26	17	24	82	272	259	414	170	194	120
13	41	32	26	17	25	80	317	265	381	169	192	114
14	40	31	27	17	25	51	364	298	388	157	176	103
15	42	32	26	22	25	42	395	350	364	153	174	98
16	34	32	24	22	24	43	403	494	387	152	150	89
17	35	32	24	22	26	43	375	584	380	153	131	89
18	37	33	26	e22	25	42	369	606	381	175	133	99
19	43	33	25	e21	26	39	346	657	390	154	134	98
20	45	32	28	e21	24	47	332	547	455	147	140	98
21	45	31	27	21	24	43	320	364	437	136	140	90
22	45	27	26	e22	25	38	315	372	436	134	152	78
23	37	29	27	e22	24	38	313	391	427	128	148	75
24	35	35	26	e22	25	43	297	355	420	156	137	77
25	35	38	25	23	26	42	257	343	420	179	161	91
26	35	35	25	e23	27	45	243	350	430	213	160	89
27	35	33	28	e23	28	50	272	371	449	227	173	70
28	33	29	28	e23	46	57	290	418	469	223	182	76
29	49	25	29	e23	---	55	278	409	466	210	187	77
30	76	25	29	e23	---	61	234	383	476	190	170	76
31	61	---	30	e24	---	74	---	385	---	189	141	---
TOTAL	1389	948	824	686	719	1730	7342	10560	12656	7109	5123	3300
MEAN	44.81	31.60	26.58	22.13	25.68	55.81	244.7	340.6	421.9	229.3	165.3	110.0
MAX	76	43	30	29	46	89	403	657	476	472	207	157
MIN	33	25	24	17	24	38	77	170	364	128	131	70
AC-FT	2760	1880	1630	1360	1430	3430	14560	20950	25100	14100	10160	6550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2002, BY WATER YEAR (WY)

MEAN	80.61	44.66	44.66	57.07	54.69	82.83	270.7	617.0	706.2	501.7	287.9	160.2
MAX	286	332	399	1032	500	477	730	1303	1949	1611	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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1910 - 2002	
ANNUAL TOTAL	48189		52386			
ANNUAL MEAN	132.0		143.5		247.4	
HIGHEST ANNUAL MEAN					620	1983
LOWEST ANNUAL MEAN					61.0	1977
HIGHEST DAILY MEAN	602	May 12	657	May 19	4000	Jan 3 1997
LOWEST DAILY MEAN	11	Jan 17	17	Jan 12	3.6	Feb 5 1985
ANNUAL SEVEN-DAY MINIMUM	12	Jan 1	19	Jan 10	3.8	Feb 9 1985
MAXIMUM PEAK FLOW			701	May 19	11500	Jan 3 1997
MAXIMUM PEAK STAGE			4.04	May 19	13.68	Jan 3 1997
ANNUAL RUNOFF (AC-FT)	95580		103900		179300	
10 PERCENT EXCEEDS	375		390		644	
50 PERCENT EXCEEDS	77		78		108	
90 PERCENT EXCEEDS	22		24		20	

e Estimated

10300000 WEST WALKER RIVER NEAR HUDSON, NV

LOCATION.--Lat 38°48'35", long 119°13'35", in SE $^1/_4$ SW $^1/_4$ 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 mi^2.

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. Elevation of gage is 4,650 ft above NGVD of 1929, from topographic map. 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 Lake Basin.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 438 ft^3/s, June 7-8, gage height, 2.41 ft; minimum daily, 17 ft^3/s, October 28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	29	30	31	e26	57	65	220	263	327	102	69
2	56	44	33	32	e27	52	62	231	291	299	98	66
3	51	40	39	32	e27	56	62	209	288	272	101	64
4	52	36	36	27	e27	59	72	202	318	288	121	78
5	50	35	34	27	e28	60	69	188	338	272	143	90
6	50	35	34	27	e31	63	74	178	345	259	139	e92
7	45	35	35	27	31	86	98	161	413	221	133	e94
8	48	35	31	27	32	97	105	149	435	195	117	e92
9	48	31	30	28	32	97	114	148	425	165	111	e91
10	51	30	29	24	33	94	126	167	402	149	110	e91
11	52	31	29	22	32	92	143	179	386	140	114	91
12	54	32	29	19	38	93	188	180	355	124	120	86
13	38	35	29	e19	38	92	215	180	326	106	102	90
14	44	35	32	18	39	82	243	185	325	86	81	85
15	45	35	e31	18	40	65	268	210	292	69	68	85
16	39	35	e30	20	39	61	291	269	293	64	66	75
17	33	34	30	20	41	60	288	353	290	70	63	69
18	35	30	29	e22	41	60	281	369	285	97	72	75
19	28	29	27	e22	40	57	265	383	281	100	76	81
20	37	32	26	e22	40	57	256	394	317	90	70	e79
21	35	33	27	e22	40	55	247	264	318	92	71	e76
22	34	35	26	23	40	49	247	253	318	84	81	e73
23	34	32	27	e23	40	48	246	258	315	78	83	e72
24	29	39	27	e23	40	50	236	242	306	84	73	e70
25	31	43	26	e24	41	53	222	234	291	96	93	e72
26	33	43	25	e24	42	54	209	238	282	120	107	e70
27	20	38	25	e24	42	53	231	246	296	129	116	69
28	17	37	29	e24	46	52	249	265	315	123	119	66
29	20	34	31	e24	---	56	258	274	315	117	112	60
30	21	32	31	e24	---	55	219	252	327	108	99	62
31	30	---	32	e25	---	61	---	259	---	99	78	---
TOTAL	1215	1044	929	744	1013	2026	5649	7340	9751	4523	3039	2333
MEAN	39.19	34.80	29.97	24.00	36.18	65.35	188.3	236.8	325.0	145.9	98.03	77.77
MAX	56	44	39	32	46	97	291	394	435	327	143	94
MIN	17	29	25	18	26	48	62	148	263	64	63	60
AC-FT	2410	2070	1840	1480	2010	4020	11200	14560	19340	8970	6030	4630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2002, BY WATER YEAR (WY)

MEAN	71.73	64.63	71.18	81.51	89.81	99.31	213.8	442.4	590.7	356.1	171.4	107.0
MAX	203	178	493	1064	527	450	528	1231	1718	1490	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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1915 - 2002	
ANNUAL TOTAL	36296		39606			
ANNUAL MEAN	99.44		108.5		198.9	
HIGHEST ANNUAL MEAN					435	1997
LOWEST ANNUAL MEAN					56.4	1977
HIGHEST DAILY MEAN	427	Jun 3	435	Jun 8	4230	Jan 3 1997
LOWEST DAILY MEAN	13	Jan 4	17	Oct 28	10	Jan 23 1962
ANNUAL SEVEN-DAY MINIMUM	15	Jan 1	19	Jan 11	13	Aug 7 1920
MAXIMUM PEAK FLOW			438	Jun 7	11400	Jan 3 1997
MAXIMUM PEAK STAGE			2.41	Jun 7	12.18	Jan 3 1997
ANNUAL RUNOFF (AC-FT)	71990		78560		144100	
10 PERCENT EXCEEDS	293		283		442	
50 PERCENT EXCEEDS	52		66		101	
90 PERCENT EXCEEDS	28		27		34	

e Estimated

WALKER LAKE BASIN

10301500 WALKER RIVER NEAR WABUSKA, NV

LOCATION.--Lat 39°09'10", long 119°05'50", in SE $^1/_4$ NW $^1/_4$ 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 mi^2, approximately.

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 NGVD 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 good 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 Lake Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 3,280 ft^3/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, 137 ft^3/s, May 21, gage height, 4.61 ft; maximum gage height, 5.17 ft, February 4, backwater from ice; minimum daily, 5.4 ft^3/s, April 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	22	18	27	32	37	5.7	41	35	41	19	30
2	33	19	17	25	e33	14	6.5	53	26	44	24	25
3	33	25	20	27	e36	10	6.2	61	41	37	30	22
4	32	27	21	27	e38	9.0	5.8	43	50	25	49	17
5	32	28	20	24	42	8.0	5.4	35	39	29	59	19
6	36	26	e20	23	42	7.6	6.2	34	22	26	49	28
7	42	23	e20	22	45	8.6	5.7	76	16	48	51	37
8	47	22	e19	24	45	9.2	8.7	68	24	43	38	58
9	53	22	e18	24	44	10	8.3	56	30	76	23	77
10	61	22	e18	23	42	9.6	8.7	56	41	57	26	93
11	65	23	e17	21	40	9.8	6.6	74	40	77	23	90
12	56	24	17	20	32	11	6.5	32	39	68	21	71
13	55	24	17	18	33	8.9	11	27	34	43	18	42
14	49	25	e17	19	34	8.6	35	17	23	43	17	35
15	44	24	17	20	34	9.7	72	16	31	46	21	28
16	40	15	e16	20	35	33	90	26	44	52	21	27
17	30	12	e16	18	34	33	68	47	43	41	16	33
18	24	12	e17	18	35	31	56	62	38	41	22	42
19	20	12	e17	e18	35	26	31	81	38	38	29	40
20	13	13	e18	e17	35	21	22	105	39	61	28	36
21	12	14	e18	16	36	17	19	116	52	51	32	35
22	13	12	e18	20	34	16	14	42	33	50	30	40
23	15	12	e19	e24	33	10	14	33	38	53	29	38
24	27	13	e20	e28	32	8.6	14	36	37	53	31	43
25	26	16	e20	e30	32	8.0	13	30	29	48	37	42
26	25	18	e21	33	34	7.5	16	32	24	34	40	40
27	25	22	22	38	48	7.2	37	34	15	41	29	27
28	20	19	22	34	39	6.9	57	34	12	37	40	28
29	18	19	26	31	---	6.5	73	38	14	36	45	51
30	20	19	26	26	---	6.2	69	30	25	26	45	59
31	20	---	26	31	---	5.9	---	33	---	20	36	---
TOTAL	1033	584	598	746	1034	414.8	791.3	1468	972	1385	978	1253
MEAN	33.3	19.5	19.3	24.1	36.9	13.4	26.4	47.4	32.4	44.7	31.5	41.8
MAX	65	28	26	38	48	37	90	116	52	77	59	93
MIN	12	12	16	16	32	5.9	5.4	16	12	20	16	17
AC-FT	2050	1160	1190	1480	2050	823	1570	2910	1930	2750	1940	2490

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 2002, BY WATER YEAR (WY)

MEAN	76.3	90.9	111	132	141	152	155	257	481	256	91.8	68.6
MAX	585	704	854	1669	905	949	1344	1262	2255	1604	922	357
(WY)	1984	1983	1984	1997	1997	1983	1952	1969	1983	1995	1983	1983
MIN	0.000	1.53	3.42	7.17	14.0	10.6	10.0	6.00	5.00	0.23	0.000	0.000
(WY)	1932	1932	1993	1978	1930	1931	1924	1924	1924	1931	1924	1924

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1902 - 2002		
ANNUAL TOTAL	15246.2		11257.1				
ANNUAL MEAN	41.8		30.8		169		
HIGHEST ANNUAL MEAN					832		1983
LOWEST ANNUAL MEAN					12.9		1931
HIGHEST DAILY MEAN	168	May 13	116	May 21	2740	Jun 6	1986
LOWEST DAILY MEAN	8.6	Sep 19	5.4	Apr 5	0.00	Aug 1	1924
ANNUAL SEVEN-DAY MINIMUM	12	Nov 17	5.9	Apr 1	0.00	Aug 1	1924
MAXIMUM PEAK FLOW			137	May 21	3280	Jul 10	1906
MAXIMUM PEAK STAGE			4.61	May 21	10.92	Jan 6	1997
ANNUAL RUNOFF (AC-FT)	30240		22330		122200		
10 PERCENT EXCEEDS	72		53		392		
50 PERCENT EXCEEDS	36		28		70		
90 PERCENT EXCEEDS	18		12		16		

e Estimated

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, Nev. 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, December 12, 1972; minimum daily, 116 microsiemens, July 23, 1998.
WATER TEMPERATURE: Maximum daily, 34.5°C, July 24, 1975 and June 27, 2002; minimum daily, freezing point on many days during winter months of most years.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 727 microsiemens, November 18; minimum recorded, 221 microsiemens, May 21.
WATER TEMPERATURE: Maximum recorded, 34.5°C, June 27; minimum recorded, freezing point many days November to March.

SPECIFIC CONDUCTANCE (MICRO2001SIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	388	332	348	493	463	477	482	472	477	466	456	461
2	373	349	359	488	438	467	492	472	479	472	451	466
3	427	359	381	440	424	434	477	464	472	463	457	460
4	381	368	374	434	420	425	495	469	479	465	454	460
5	371	344	361	477	421	449	484	478	481	472	464	469
6	349	340	344	446	428	436	483	473	478	478	469	475
7	345	337	340	440	427	433	485	474	479	484	475	480
8	343	333	339	447	428	435	499	475	484	481	474	478
9	343	332	337	452	433	438	492	475	483	483	474	478
10	348	339	345	455	436	444	490	482	486	483	471	477
11	359	348	352	448	436	441	498	482	490	495	478	488
12	357	338	347	448	434	440	502	494	497	500	486	492
13	344	331	338	444	436	440	510	491	498	512	498	503
14	352	332	341	453	437	443	505	486	492	542	489	506
15	368	346	359	465	437	445	539	505	520	564	476	512
16	379	367	374	485	465	475	572	495	530	531	483	511
17	399	375	387	514	478	492	543	492	519	547	494	523
18	401	382	390	727	497	546	502	459	480	647	494	555
19	430	384	406	551	514	534	509	450	475	626	557	586
20	470	429	454	551	519	536	480	448	464	699	564	631
21	472	451	462	520	496	509	475	459	470	633	478	576
22	464	446	454	513	502	509	474	464	470	572	485	518
23	453	424	441	513	507	509	471	458	464	554	470	515
24	465	408	420	514	488	506	476	464	469	548	497	512
25	425	406	413	502	473	484	506	469	484	507	443	482
26	430	411	419	500	470	482	490	466	474	502	457	478
27	444	419	432	489	466	478	480	475	478	470	460	464
28	459	439	447	488	475	481	482	455	472	478	457	465
29	469	444	455	492	480	487	465	452	456	498	464	481
30	464	455	459	482	473	477	468	458	464	644	481	543
31	478	457	465	---	---	---	469	459	465	610	482	555
MONTH	478	331	392	727	420	472	572	448	482	699	443	503

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	590	469	531	373	338	347	601	568	580	331	293	316
2	561	471	513	415	373	397	575	546	558	323	300	310
3	517	446	483	436	406	422	573	545	557	307	299	302
4	513	425	466	474	424	445	617	557	582	336	305	323
5	479	429	456	486	460	474	591	566	578	339	321	328
6	478	433	455	504	479	490	584	553	571	364	322	340
7	448	433	441	524	494	508	592	559	574	326	309	316
8	444	428	439	539	505	524	596	487	551	337	314	325
9	437	428	433	557	519	539	564	489	533	360	329	340
10	447	432	437	556	419	455	558	519	544	342	331	335
11	449	437	442	455	433	444	564	528	551	352	308	324
12	451	443	447	472	439	453	557	528	543	387	352	368
13	444	428	436	487	453	473	533	431	488	394	354	374
14	430	423	427	486	419	473	431	311	355	421	379	397
15	426	416	420	499	401	464	312	271	295	450	410	427
16	418	410	414	417	350	361	282	258	272	442	328	376
17	412	405	408	369	358	363	281	264	272	328	263	292
18	409	397	403	381	366	372	276	250	263	264	239	251
19	400	391	395	413	373	395	317	267	300	242	231	236
20	393	386	390	442	403	416	352	313	334	250	231	241
21	390	379	385	445	423	435	389	328	357	268	221	238
22	389	379	384	461	422	442	417	354	385	354	268	321
23	389	378	384	497	459	480	404	374	384	363	339	354
24	379	366	373	514	494	504	544	363	423	342	312	326
25	368	358	364	547	511	532	553	416	485	406	327	357
26	364	355	361	559	540	549	457	403	421	340	318	328
27	363	343	350	575	546	560	410	285	343	342	315	326
28	364	337	345	573	558	565	294	270	282	327	306	319
29	---	---	---	578	548	564	276	266	270	309	274	288
30	---	---	---	595	565	578	293	271	280	321	273	296
31	---	---	---	597	568	580	---	---	---	297	269	283
MONTH	590	337	421	597	338	471	617	250	431	450	221	321

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	291	254	274	282	246	260	346	314	323	335	301	318
2	302	256	280	271	233	246	322	300	313	327	313	319
3	265	240	248	264	232	247	312	294	302	371	306	328
4	331	244	281	266	255	260	314	301	306	362	340	350
5	300	256	270	256	238	246	302	277	288	366	320	333
6	310	276	295	334	244	291	280	262	273	343	303	317
7	326	294	308	272	238	248	271	256	263	310	298	304
8	294	233	262	267	238	251	280	265	273	315	280	296
9	253	238	244	283	259	267	306	275	288	280	273	277
10	253	240	245	287	262	273	318	292	306	296	270	280
11	261	241	251	292	282	287	331	304	316	286	272	278
12	278	249	261	292	281	286	328	308	316	290	278	284
13	326	277	298	294	277	286	319	300	311	311	286	298
14	352	289	331	306	292	297	313	299	304	328	303	315
15	357	260	290	309	293	301	326	303	313	345	320	331
16	270	250	259	342	305	316	336	311	322	355	334	341
17	284	247	256	332	312	319	336	313	322	352	323	337
18	290	258	270	329	312	321	327	307	315	348	321	333
19	280	255	270	330	302	319	316	303	308	347	335	341
20	316	274	296	306	292	299	353	302	321	344	333	337
21	298	236	257	318	302	309	322	290	303	340	326	332
22	257	236	246	314	300	307	317	286	298	334	325	329
23	252	241	247	318	306	311	316	296	304	341	326	332
24	257	238	246	325	311	318	297	275	285	348	330	339
25	294	244	262	337	320	328	285	269	278	348	340	343
26	400	289	339	331	316	323	293	277	284	355	339	347
27	333	296	314	318	286	304	290	273	282	359	342	348
28	329	307	318	291	275	284	320	270	282	348	325	337
29	329	293	314	288	275	280	289	266	278	327	317	322
30	316	279	301	308	283	296	267	259	263	325	316	319
31	---	---	---	385	304	324	305	264	281	---	---	---
MONTH	400	233	278	385	232	290	353	256	297	371	270	322

10301500 WALKER RIVER NEAR WABUSKA, NV--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.5	13.0	18.0	15.5	4.5	9.5	7.5	1.5	4.0	6.0	4.0	4.5
2	25.0	13.0	18.5	14.5	4.0	8.5	7.0	2.5	4.0	7.0	3.5	5.0
3	24.5	12.5	18.0	14.0	3.5	8.0	8.0	0.0	3.0	10.0	3.5	5.5
4	24.5	12.5	17.5	15.0	4.0	9.0	6.0	0.0	2.0	7.0	0.5	3.5
5	23.0	13.0	17.5	15.5	5.0	9.5	3.5	0.5	1.5	5.5	1.5	3.5
6	22.5	12.0	17.0	15.5	5.5	10.0	8.5	0.0	3.5	5.5	2.5	4.0
7	21.5	11.0	16.0	14.0	6.0	9.0	7.5	0.0	3.0	7.0	1.0	3.5
8	20.5	13.5	16.0	12.5	2.5	7.0	4.0	0.0	1.5	7.0	0.0	3.0
9	18.0	10.0	13.5	11.5	1.0	6.0	3.0	0.0	1.0	5.0	0.5	3.0
10	16.0	8.0	12.0	11.5	1.0	6.0	2.5	0.0	1.0	9.5	2.5	4.5
11	16.0	10.5	12.5	15.0	5.0	9.0	6.0	0.0	2.0	8.5	0.5	3.5
12	16.5	8.0	12.0	13.0	4.5	8.5	7.5	0.0	3.0	9.0	1.0	4.0
13	17.0	7.5	12.0	13.0	4.5	9.0	6.5	0.5	3.0	8.0	0.0	3.0
14	18.0	8.0	12.5	13.0	5.0	8.5	4.5	0.0	2.5	6.0	0.0	1.5
15	17.5	8.5	12.5	13.0	3.5	8.0	2.5	0.0	0.5	3.0	0.0	0.5
16	17.5	9.0	13.0	13.0	5.5	8.5	1.0	0.0	0.0	5.5	0.0	1.5
17	20.5	9.5	14.0	14.0	3.5	8.0	1.5	0.0	0.0	3.0	0.0	1.0
18	19.5	8.5	13.0	12.0	3.0	6.5	5.5	0.0	1.5	2.5	0.0	1.0
19	19.0	6.5	12.5	10.0	1.0	5.5	3.0	0.0	0.5	1.0	0.5	0.5
20	21.0	9.0	14.0	8.0	2.5	5.0	5.0	0.0	1.5	1.5	0.5	1.0
21	19.5	7.0	12.5	9.0	4.0	6.5	5.5	0.0	2.0	5.0	0.5	1.5
22	19.5	7.5	12.5	9.5	3.5	7.0	6.0	0.0	2.5	4.5	0.5	1.5
23	17.5	8.5	12.0	9.5	1.0	5.0	6.0	1.0	2.5	1.0	0.5	0.5
24	15.0	5.0	9.0	8.5	2.5	4.5	6.0	0.5	2.5	1.0	0.5	0.5
25	16.0	4.5	9.5	6.5	0.5	3.0	1.0	0.0	0.5	2.0	0.5	1.0
26	17.0	5.0	10.5	5.0	0.0	1.5	4.0	0.0	1.5	6.0	0.5	2.0
27	13.5	7.0	10.0	5.5	0.0	1.5	5.0	0.5	2.5	4.5	0.5	2.0
28	15.0	7.5	11.0	3.0	0.0	1.0	3.5	0.5	2.0	2.0	0.0	0.5
29	16.0	6.5	11.5	4.0	0.5	2.5	5.5	2.5	4.0	2.0	0.0	0.5
30	14.0	8.5	11.5	7.0	0.0	2.5	6.0	4.0	4.5	1.5	0.0	0.5
31	16.5	5.0	10.0	---	---	---	8.0	4.0	5.5	0.5	0.0	0.5
MONTH	25.0	4.5	13.3	15.5	0.0	6.5	8.5	0.0	2.2	10.0	0.0	2.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.0	0.0	0.5	10.5	0.0	4.5	25.0	4.5	13.5	17.0	6.0	11.5
2	2.5	0.0	0.5	12.5	0.5	4.5	25.5	6.0	14.5	21.5	8.5	14.5
3	3.5	0.0	1.0	14.0	0.5	5.0	25.0	7.0	15.0	23.0	11.5	17.0
4	5.0	0.0	1.0	15.5	0.5	6.5	25.0	7.5	15.5	25.5	12.0	18.0
5	3.0	0.0	1.0	16.0	1.5	7.5	21.5	9.0	14.5	26.0	11.0	18.0
6	4.5	0.0	1.5	14.0	5.0	8.0	21.5	8.5	14.0	27.5	11.0	18.5
7	5.5	0.0	3.0	12.5	3.5	7.0	23.0	7.5	14.5	21.5	13.5	17.0
8	7.5	1.0	3.5	14.0	1.0	6.5	22.5	7.5	14.5	21.5	9.5	15.0
9	7.5	0.0	2.5	14.5	1.0	6.5	16.5	10.5	13.0	22.5	10.0	16.0
10	7.5	0.0	2.5	12.5	3.0	6.5	24.0	8.0	14.5	19.5	12.0	14.5
11	8.5	0.0	3.5	15.0	2.0	8.0	24.5	9.0	15.5	22.0	10.5	15.5
12	10.5	1.0	5.0	14.0	5.5	9.0	27.0	8.0	16.0	25.5	9.5	17.5
13	5.5	1.5	3.0	13.5	1.0	6.5	26.0	8.0	16.5	28.0	12.0	19.0
14	11.0	1.5	5.5	12.5	1.5	6.0	23.0	11.5	16.5	28.5	12.5	19.0
15	9.0	1.0	5.0	10.0	0.0	4.5	15.0	9.5	12.0	27.5	11.5	18.5
16	11.5	2.0	6.0	9.0	0.0	3.5	14.0	7.0	10.0	28.5	11.5	19.0
17	8.0	3.5	5.5	8.5	0.5	3.5	15.0	7.0	10.5	26.5	13.0	19.0
18	10.5	3.0	6.0	12.5	0.0	5.0	13.0	7.0	10.0	27.0	16.0	20.5
19	10.0	4.0	6.5	16.5	0.0	7.5	15.5	7.0	10.0	22.5	14.5	18.0
20	14.0	4.5	8.5	18.0	2.5	9.5	22.5	6.0	13.0	15.0	11.5	13.5
21	14.5	4.0	9.0	17.5	5.0	11.0	24.5	7.0	14.5	19.0	9.0	13.5
22	14.5	4.5	9.0	18.5	5.5	11.0	27.5	8.0	16.0	24.0	9.0	15.5
23	12.0	5.5	8.5	14.0	6.0	9.0	26.0	8.0	16.0	26.0	10.5	17.0
24	14.5	2.5	8.0	18.5	5.5	10.5	22.0	8.0	14.0	27.5	11.0	18.5
25	13.5	2.5	7.5	19.5	2.0	10.0	24.0	9.5	16.5	27.0	13.0	19.5
26	13.5	1.5	7.0	22.5	4.0	12.0	19.5	11.5	14.5	28.0	14.0	20.0
27	12.0	3.0	7.0	22.5	4.0	12.0	20.5	9.5	14.0	28.5	14.5	20.5
28	12.5	1.0	6.0	23.0	4.5	12.0	21.0	8.5	14.0	29.5	14.5	21.0
29	---	---	---	24.0	5.0	13.0	16.0	11.5	13.5	31.0	16.5	23.5
30	---	---	---	24.0	4.5	13.0	15.0	8.0	11.5	33.0	17.5	24.5
31	---	---	---	25.0	4.0	13.0	---	---	---	33.0	18.0	24.5
MONTH	14.5	0.0	4.8	25.0	0.0	8.1	27.5	4.5	13.9	33.0	6.0	18.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN

10301500 WALKER RIVER NEAR WABUSKA, NV--Continued

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

	JUNE			JULY			AUGUST			SEPTEMBER		
1	26.0	17.5	21.5	32.0	18.5	24.5	31.5	19.5	24.0	30.0	16.0	22.5
2	30.0	13.0	20.5	32.0	19.5	25.0	29.0	17.5	22.5	30.5	16.0	22.5
3	28.5	15.0	21.5	32.0	18.5	24.0	32.0	18.5	23.5	27.0	15.5	21.0
4	29.5	16.0	22.0	31.5	16.0	23.0	28.0	17.0	22.0	23.0	15.5	19.0
5	32.0	17.0	23.0	31.5	17.5	23.5	26.0	16.0	20.5	24.5	13.0	18.5
6	33.5	16.0	23.5	32.0	17.5	24.0	27.5	15.0	20.5	20.0	13.5	16.5
7	33.0	16.0	22.5	31.0	20.0	24.5	26.5	16.0	20.5	23.0	10.5	16.0
8	26.0	11.0	17.5	31.5	17.5	23.5	28.0	14.0	20.5	22.5	12.5	17.0
9	25.5	10.0	16.5	30.5	19.0	24.5	30.5	14.0	21.5	22.5	12.5	17.0
10	26.0	12.0	18.0	33.5	20.0	26.5	31.0	15.5	22.5	22.5	13.5	17.5
11	28.0	13.0	20.0	32.5	21.5	26.5	31.5	17.0	24.0	23.0	14.0	18.0
12	30.0	14.5	21.5	30.5	23.0	26.0	31.5	17.0	23.5	24.0	14.0	19.0
13	31.5	16.0	23.5	30.0	21.0	24.0	31.5	16.5	23.5	26.0	13.5	19.5
14	33.0	16.0	23.5	32.0	19.5	25.0	32.0	16.5	24.0	26.5	14.0	19.5
15	33.0	15.5	23.0	32.0	20.5	25.5	33.0	18.5	25.0	23.5	14.5	18.5
16	31.0	17.0	23.0	32.5	21.0	26.0	33.0	18.5	25.0	24.0	12.0	17.0
17	29.5	16.0	22.5	28.0	21.0	23.5	32.5	17.0	23.5	23.0	12.0	17.0
18	29.5	17.5	23.0	25.0	18.0	21.0	30.5	16.0	23.0	23.5	14.0	18.0
19	30.0	16.0	22.5	30.0	16.5	22.5	29.5	16.5	22.0	23.0	12.0	17.0
20	29.5	17.0	22.0	30.5	20.0	25.0	26.5	14.5	19.5	24.5	12.0	18.0
21	27.0	18.0	21.5	29.0	20.0	24.5	26.5	14.0	19.5	24.5	12.5	18.0
22	31.0	15.5	22.5	31.0	20.0	25.0	27.5	14.0	20.0	24.5	13.0	18.5
23	32.0	18.0	24.0	30.5	19.0	24.5	27.0	15.0	20.5	25.0	13.0	19.0
24	32.0	18.0	24.5	31.0	19.5	24.5	28.0	15.0	21.0	24.5	13.5	18.5
25	33.5	18.5	25.0	29.5	18.5	23.5	28.5	16.0	21.5	22.5	13.0	17.5
26	34.0	19.0	25.0	30.5	17.0	23.0	26.5	15.5	20.5	22.0	10.5	16.0
27	34.5	17.5	24.0	30.0	18.0	23.5	27.5	14.5	20.5	22.0	12.5	16.0
28	33.0	16.0	23.5	30.0	18.0	23.5	27.0	15.0	20.5	21.5	11.5	15.5
29	33.5	16.0	23.5	31.5	17.5	24.0	28.0	16.5	22.0	19.5	10.5	14.5
30	33.0	17.5	24.5	33.0	19.0	25.0	28.5	18.0	22.5	19.5	11.5	15.0
31	---	---	---	33.0	19.5	25.5	29.5	17.0	22.5	---	---	---
MONTH	34.5	10.0	22.3	33.5	16.0	24.3	33.0	14.0	22.0	30.5	10.5	17.9

10301600 WALKER RIVER ABOVE WEBER RESERVOIR NEAR SCHURZ, NV

LOCATION.--Lat 39°06'12", long 118°55'42", in NW $^1/_4$ SE $^1/_4$ 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 mi^2, approximately.

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 NGVD 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 Lake Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 2,000 ft^3/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, 92 ft^3/s, May 22, gage height, 6.25 ft, backwater from beaver dam(s); minimum daily, 2.4 ft^3/s, March 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	19	11	18	11	24	6.7	51	23	5.4	7.9	18
2	34	19	12	18	11	23	7.0	39	22	11	19	14
3	30	21	12	18	13	10	7.2	43	20	20	13	11
4	20	22	12	18	17	5.0	7.3	46	22	22	14	8.5
5	16	24	13	18	23	4.2	7.5	38	32	16	21	11
6	16	23	13	17	28	3.6	7.5	33	25	14	32	9.0
7	18	21	13	15	33	2.9	7.4	31	16	14	32	4.2
8	26	19	14	15	37	2.5	7.2	52	9.2	17	31	9.9
9	28	19	13	15	33	3.9	7.5	49	8.0	22	20	22
10	37	19	14	15	32	5.4	8.0	44	12	44	13	38
11	44	18	13	15	33	6.9	8.8	45	22	39	9.8	46
12	44	16	12	15	30	7.2	9.0	48	26	46	9.9	47
13	38	15	11	14	23	7.0	9.1	29	25	47	11	38
14	34	13	11	10	24	7.7	8.9	23	20	33	9.3	27
15	28	11	9.7	10	25	7.2	14	19	14	26	5.7	22
16	23	12	8.2	9.4	25	6.8	35	16	10	24	7.3	17
17	19	11	7.7	9.5	25	15	43	17	18	26	5.3	15
18	14	7.0	9.0	8.5	25	20	36	29	23	24	6.3	16
19	9.7	5.8	12	7.6	25	20	31	41	21	24	5.9	21
20	8.3	6.2	15	6.0	25	18	20	54	21	20	7.3	22
21	6.0	6.1	15	5.7	24	16	15	74	21	29	11	20
22	4.4	6.4	15	5.6	24	14	13	73	30	28	15	17
23	3.6	7.0	15	5.5	23	13	11	33	22	27	18	19
24	4.1	7.5	15	6.2	21	10	11	21	17	26	13	19
25	8.2	7.7	14	8.9	20	9.2	12	18	19	24	14	20
26	13	7.7	13	14	20	8.0	14	13	16	20	16	22
27	14	9.2	16	24	22	7.5	16	12	12	16	18	23
28	16	12	15	26	27	7.2	23	17	9.7	13	15	20
29	15	13	17	20	---	6.9	40	21	8.0	17	14	16
30	12	12	18	16	---	7.0	53	24	6.5	18	19	24
31	14	---	18	12	---	6.9	---	19	---	16	20	---
TOTAL	630.3	409.6	406.6	415.9	679	306.0	496.1	1072	550.4	728.4	453.7	616.6
MEAN	20.33	13.65	13.12	13.42	24.25	9.871	16.54	34.58	18.35	23.50	14.64	20.55
MAX	44	24	18	26	37	24	53	74	32	47	32	47
MIN	3.6	5.8	7.7	5.5	11	2.5	6.7	12	6.5	5.4	5.3	4.2
AC-FT	1250	812	806	825	1350	607	984	2130	1090	1440	900	1220

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2002, BY WATER YEAR (WY)

MEAN	44.92	72.02	79.11	171.6	183.4	155.1	159.5	383.4	448.0	274.8	83.14	64.97
MAX	149	206	182	1146	722	387	563	864	1017	1155	260	236
(WY)	1981	1999	1996	1997	1997	1996	1982	1997	1995	1995	1980	1980
MIN	3.39	0.032	3.97	6.12	20.0	9.76	16.2	33.9	18.3	20.6	14.6	17.9
(WY)	1978	1978	1978	1978	1978	2002	2002	1978	2002	1977	2002	1977

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1977 - 2002	
ANNUAL TOTAL	11430.1		6764.6			
ANNUAL MEAN	31.32		18.53		183.9	
HIGHEST ANNUAL MEAN					374	1997
LOWEST ANNUAL MEAN					18.8	2002
HIGHEST DAILY MEAN	145	May 14	74	May 21	1900	Jul 5 1980
LOWEST DAILY MEAN	3.6	Oct 23	2.5	Mar 8	0.00	Jul 16 1977
ANNUAL SEVEN-DAY MINIMUM	6.3	Oct 19	3.9	Mar 4	0.00	Oct 14 1994
MAXIMUM PEAK FLOW			92	May 22	2000	Jul 5 1980
MAXIMUM PEAK STAGE			6.25	May 22	10.37	Jan 8 1997
ANNUAL RUNOFF (AC-FT)	22670		13420		133200	
10 PERCENT EXCEEDS	65		33		553	
50 PERCENT EXCEEDS	25		16		71	
90 PERCENT EXCEEDS	11		7.0		16	

WALKER LAKE BASIN

10301700 WEBER RESERVOIR NEAR SCHURZ, NV

LOCATION.--Lat 39°02'41", long 118°51'33", in NE $^1/_4$ SW $^1/_4$ sec.28, T.14 N., R.28 E., Mineral County, Hydrologic Unit 16050303, approximately 8 miles above Schurz.

DRAINAGE AREA.--2,770 mi^2, approximately.

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 NGVD 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 Lake 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, 4,390 acre-ft, April 27, 29, elevation 4,199.34 ft; minimum, 237 acre-ft, September 7, elevation 4184.87 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 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	740	580	1190	1920	2280	3410	3950	4250	2810	1610	907	390
2	794	610	1220	1970	2280	3480	3940	4190	2700	1530	929	379
3	841	637	1240	2010	2280	3530	3930	4100	2580	1420	940	356
4	875	664	1260	2040	2280	3560	3920	4030	2480	1320	949	324
5	900	699	1280	2080	2300	3580	3920	3940	2420	1220	956	289
6	919	738	1310	2110	2320	3590	3910	3860	2380	1140	970	243
7	937	775	1330	2140	2360	3600	3900	3730	2320	1070	990	252
8	956	809	1350	2160	2420	3610	3890	3640	2260	990	1020	263
9	949	835	1380	2200	2460	3610	3880	3590	2200	931	1050	286
10	919	856	1400	2220	2490	3610	3880	3570	2150	878	1070	344
11	888	877	1430	2240	2520	3620	3870	3560	2100	832	1080	412
12	860	898	1460	2270	2530	3630	3860	3590	2080	781	1100	488
13	834	919	1490	2300	2510	3630	3860	3570	2060	753	1110	566
14	808	940	1500	2320	2480	3640	3830	3540	2030	730	1120	647
15	776	962	1510	2330	2480	3640	3820	3500	2020	700	1140	696
16	733	982	1530	2340	2540	3650	3880	3440	2010	688	1130	731
17	682	1010	1540	2340	2620	3670	3980	3390	2000	684	1130	762
18	624	1030	1550	2320	2690	3700	4090	3330	2000	687	1130	781
19	542	1040	1560	2320	2770	3750	4180	3330	2010	688	1130	805
20	474	1050	1590	2300	2840	3800	4240	3360	2020	685	1080	834
21	406	1070	1610	2290	2910	3850	4270	3450	2040	678	1010	862
22	340	1070	1640	2270	2990	3880	4290	3590	2060	697	966	869
23	305	1080	1660	2260	3040	3890	4330	3590	2090	722	928	869
24	327	1100	1680	2240	3100	3910	4320	3550	2100	756	877	868
25	347	1110	1700	2240	3170	3940	4330	3500	2120	785	816	871
26	381	1120	1720	2230	3220	3940	4350	3450	2070	816	748	877
27	419	1130	1740	2230	3280	3950	4360	3390	1980	840	675	883
28	456	1120	1780	2260	3350	3950	4360	3310	1880	854	598	888
29	490	1160	1810	2270	---	3950	4340	3190	1770	e866	514	888
30	520	1170	1850	2270	---	3950	4290	3070	1690	880	447	878
31	548	---	1890	2280	---	3950	---	2950	---	892	397	---
MAX	956	1170	1890	2340	3350	3950	4360	4250	2810	1610	1140	888
MIN	305	580	1190	1920	2280	3410	3820	2950	1690	678	397	243
#	4187.98	4191.85	4194.40	4195.45	4197.54	4198.58	4199.16	4196.82	4193.77	4190.28	4186.47	4190.19
##	-131	+622	+720	+390	+1070	+600	+340	-1340	-1260	-798	-495	+481

CAL YR 2001 MAX 2230 MIN 216 ## +500
WTR YR 2002 MAX 4360 MIN 243 ## +199

e Estimated
Elevation, in feet above sea level, at end of month.
Change in contents, in acre-feet.

WALKER LAKE BASIN

10301742 CANAL NO 2 ABOVE LITTLE DAM NEAR SCHURZ, NV

LOCATION.--Lat 39°00'51", long 118°51'36", in SE $^1/_4$ SW $^1/_4$ sec.04, T.13 N., R.28 E., Mineral County, Hydrologic Unit 16050303, on right bank, 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 NGVD 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 Lake Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 89 ft^3/s, April 26, 1997; no flow many days, most years.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	e0.00	e0.00	e0.03	e0.00	e0.03	0.00	30	34	25	e0.00	e4.0
2	0.01	e0.00	e0.00	e0.03	e0.00	e0.02	0.00	34	34	25	e0.00	e0.04
3	0.03	e0.00	e0.00	e0.03	e0.00	e0.02	0.00	38	32	25	e0.00	e0.05
4	0.03	e0.00	e0.00	e0.04	e0.00	e0.03	0.00	39	32	25	e0.00	e0.05
5	0.03	e0.00	e0.00	e0.05	e0.00	e0.04	0.00	39	29	22	e0.00	e0.06
6	0.03	e0.00	e0.00	e0.04	e0.00	e0.04	0.00	39	31	23	e0.00	e0.09
7	0.02	e0.00	e0.00	e0.05	e0.00	e0.05	0.00	40	30	23	e0.00	e0.03
8	0.04	e0.00	e0.00	e0.06	e0.00	e0.00	0.00	41	35	24	e0.00	e0.05
9	0.10	e0.00	e0.00	e0.07	e0.00	e0.00	0.00	42	38	29	e0.00	e0.04
10	5.6	e0.00	e0.00	e0.07	e0.00	e0.00	0.00	39	33	29	e0.00	e0.03
11	15	e0.00	e0.01	e0.06	e0.00	e0.00	0.00	33	32	29	e0.02	e0.00
12	15	e0.00	e0.00	e0.07	e0.00	e0.00	0.00	24	30	29	e0.00	e0.00
13	15	e0.00	e0.00	e0.05	e0.00	e0.00	0.00	26	30	28	e0.00	e0.00
14	17	e0.00	e0.00	e0.05	e0.00	0.00	0.00	25	29	29	e0.00	e0.00
15	18	e0.00	e0.00	e0.05	e0.00	0.00	0.00	28	22	28	e0.00	e0.00
16	39	e0.00	e0.00	e0.03	e0.00	0.00	0.02	36	9.2	27	e0.00	e0.00
17	49	e0.00	e0.00	e0.00	e0.00	0.00	0.02	35	8.9	22	e0.00	e0.00
18	50	e0.00	e0.00	e0.00	e0.00	0.00	0.01	25	7.6	20	e0.00	e0.00
19	50	e0.00	e0.00	e0.00	e0.00	0.00	0.0	31	6.4	19	e0.00	e0.00
20	49	e0.00	e0.00	e0.00	e0.05	0.00	0.0	21	2.7	18	e10	e0.00
21	45	e0.00	e0.00	e0.00	e0.06	0.00	0.0	17	0.00	18	e23	e0.00
22	35	e0.00	e0.00	e0.00	e0.07	0.00	0.02	17	0.00	14	e23	e0.00
23	e24	e0.00	e0.00	e0.00	e0.07	0.00	0.01	18	0.00	5.8	e21	e0.00
24	e4.8	e0.00	e0.04	e0.00	e0.07	0.00	0.00	18	0.00	e2.6	e23	e0.00
25	e1.2	e0.00	e0.03	e0.00	e0.06	0.00	0.00	12	0.00	e0.00	e22	e0.00
26	e0.27	e0.00	e0.03	e0.00	e0.00	0.00	0.00	12	5.9	e0.00	e20	e0.00
27	e0.09	e0.00	e0.04	e0.00	e0.01	0.00	0.00	13	18	e0.00	e22	e0.00
28	e0.15	e0.00	e0.05	e0.00	e0.02	0.00	0.00	18	25	e0.00	e22	e0.01
29	e0.18	e0.00	e0.06	e0.00	---	0.00	2.9	31	26	e0.00	e22	e0.03
30	e0.00	e0.00	e0.03	e0.00	---	0.00	26	34	26	e0.00	e22	21
31	e0.00	---	e0.03	e0.00	---	0.00	---	34	---	e0.00	e21	---
TOTAL	433.58	0.00	0.32	0.78	0.41	0.23	28.98	889	606.70	539.40	251.02	25.48
MEAN	14.0	0.000	0.010	0.025	0.015	0.007	0.97	28.7	20.2	17.4	8.10	0.85
MAX	50	0.00	0.06	0.07	0.07	0.05	26	42	38	29	23	21
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00
AC-FT	860	0.00	0.6	1.5	0.8	0.5	57	1760	1200	1070	498	51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2002, BY WATER YEAR (WY)

MEAN	15.2	1.34	0.21	0.041	0.038	0.034	14.3	36.4	31.8	34.0	30.4	25.9
MAX	20.6	3.40	0.63	0.13	0.17	0.13	30.7	47.1	45.7	52.7	54.3	45.9
(WY)	2000	1998	2000	2000	2000	2000	1996	1999	1999	1998	1998	1998
MIN	7.35	0.000	0.000	0.000	0.000	0.000	0.97	28.7	20.2	14.3	6.79	0.85
(WY)	2001	2002	1996	1996	2001	2001	2002	2002	2002	2001	2001	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1995 - 2002	
ANNUAL TOTAL	3206.80		2775.90			
ANNUAL MEAN	8.79		7.61		14.0	
HIGHEST ANNUAL MEAN					21.0	1998
LOWEST ANNUAL MEAN					7.61	2002
HIGHEST DAILY MEAN	50	May 3	50	Oct 18	89	Apr 26 1997
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Nov 22 1995
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 30	0.00	Nov 22 1995
ANNUAL RUNOFF (AC-FT)	6360		5510		10170	
10 PERCENT EXCEEDS	36		29		45	
50 PERCENT EXCEEDS	0.03		0.00		0.49	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

WALKER LAKE BASIN

10301755 CANAL NO 1 BELOW LITTLE DAM NEAR SCHURZ, NV

LOCATION.--Lat 39°00'45", long 118°51'37", in SE $^1/_4$ SW $^1/_4$ sec.04, T.13 N., R.28 E., Mineral County, Hydrologic Unit 16050303, on left bank, 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 NGVD of 1929, from topographic map.

REMARKS.--Records fair. Estimated daily discharge, result of seepage flow in canal. Flow regulated by control gate on Walker River. See schematic diagram of Walker Lake Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 55 ft^3/s, July 15, 1998, no flow many days, most years.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.08	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	34	36	23	e0.00	18
2	0.03	e0.00	e0.00	e0.00	e0.00	e0.00	e0.01	34	34	24	e0.00	20
3	0.03	e0.02	e0.00	e0.00	e0.00	e0.00	e0.00	33	30	24	e0.00	20
4	0.02	e0.03	e0.00	e0.00	e0.00	e0.00	e0.00	34	29	24	e0.00	19
5	0.0	e0.03	e0.00	e0.00	e0.00	e0.00	e0.00	34	20	27	e0.00	18
6	0.0	e0.03	e0.00	e0.00	e0.01	e0.00	e0.00	35	17	27	e0.00	19
7	0.0	e0.01	e0.00	e0.00	e0.01	e0.00	e0.00	35	e10	27	e0.00	e11
8	0.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	35	e4.3	25	e0.00	e2.3
9	9.6	e0.00	e0.00	e0.02	e0.01	e0.00	e0.00	32	e0.06	21	e0.00	e0.95
10	33	e0.00	e0.00	e0.03	e0.00	e0.00	e0.00	26	e0.04	21	e0.00	e0.51
11	39	e0.00	e0.00	e0.03	e0.00	e0.00	e0.00	19	e0.03	21	e0.00	e0.37
12	40	e0.00	e0.00	e0.03	e0.00	e0.00	e0.00	16	e0.03	21	e0.00	e0.24
13	40	e0.00	e0.00	e0.03	e0.00	e0.00	e0.00	17	e0.03	17	e0.00	e0.11
14	39	e0.00	e0.00	e0.03	e0.00	e0.00	e0.00	16	e0.03	14	e0.00	e0.31
15	38	e0.00	e0.00	e0.01	e0.00	e0.00	e0.00	e9.9	e0.03	e12	e0.00	e0.09
16	e12	e0.00	e0.00	e0.01	e0.00	e0.00	e0.00	e0.26	e0.03	e0.23	e0.00	e0.02
17	e0.14	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.09	e0.03	e0.04	e0.00	e0.00
18	e0.01	e0.00	e0.00	e0.01	e0.00	e0.00	e0.00	e0.09	e0.03	e0.03	e0.00	e0.00
19	e0.00	e0.00	e0.00	e0.01	e0.00	e0.00	e0.00	e0.08	e0.05	e0.00	e0.00	e0.00
20	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.03	e0.07	e0.03	e8.7	e0.00
21	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.09	e0.02	19	e0.00
22	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.06	e0.01	17	e3.4
23	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e11	e0.07	e0.03	18	15
24	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	27	e0.08	e0.06	20	15
25	e0.00	e0.00	e0.01	e0.00	e0.00	e0.00	e0.00	34	e0.07	e0.07	24	15
26	e0.00	e0.00	e0.03	e0.00	e0.00	e0.00	e0.00	34	e12	e0.02	27	15
27	e0.00	e0.00	e0.04	e0.00	e0.00	e0.00	e0.00	34	21	e0.00	25	14
28	e0.00	e0.00	e0.03	e0.00	e0.00	e0.00	e0.00	31	22	e0.00	26	11
29	e0.00	e0.00	e0.01	e0.00	---	e0.00	23	37	23	e0.01	26	12
30	e0.00	e0.00	e0.00	e0.00	---	e0.00	33	37	22	e0.00	25	1.1
31	e0.00	---	e0.00	e0.00	---	e0.00	---	36	---	e0.00	23	---
TOTAL	250.91	0.12	0.12	0.21	0.03	0.00	56.01	691.45	281.13	328.55	258.70	231.40
MEAN	8.09	0.004	0.004	0.007	0.001	0.000	1.87	22.3	9.37	10.6	8.35	7.71
MAX	40	0.03	0.04	0.03	0.01	0.00	33	37	36	27	27	20
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
AC-FT	498	0.2	0.2	0.4	0.06	0.00	111	1370	558	652	513	459

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2002, BY WATER YEAR (WY)

MEAN	6.55	0.28	0.88	0.33	0.005	0.008	8.70	22.2	19.5	22.7	18.8	15.8
MAX	8.31	1.40	5.81	2.26	0.013	0.022	15.1	32.4	29.3	33.7	30.9	25.5
(WY)	2000	2000	1997	1997	2000	2000	1996	1997	1996	1998	1998	1997
MIN	4.78	0.004	0.000	0.000	0.000	0.000	1.87	12.1	9.37	10.6	4.22	7.47
(WY)	2001	2002	1996	2001	1997	1997	2002	1995	2002	2002	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1995 - 2002	
ANNUAL TOTAL	2243.28		2098.63			
ANNUAL MEAN	6.15		5.75		8.41	
HIGHEST ANNUAL MEAN					11.4	1999
LOWEST ANNUAL MEAN					5.75	2002
HIGHEST DAILY MEAN	44	Apr 25	40	Oct 12	55	Jul 15 1998
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 5	0.00	Nov 21 1995
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 19	0.00	Nov 21 1995
ANNUAL RUNOFF (AC-FT)	4450		4160		6090	
10 PERCENT EXCEEDS	26		25		32	
50 PERCENT EXCEEDS	0.00		0.00		0.08	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

WALKER LAKE BASIN

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

LOCATION.--Lat 38°56'25", long 118°48'10", in SE $^1/_4$ SW $^1/_4$ sec.36, T.13 N., R.28 E., Mineral County, Hydrologic Unit 16050303, on right 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 NGVD of 1929, from topographic map.

REMARKS.--Records fair except flows below 2.0 ft^3/s and 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 Lake Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,400 ft^3/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, 33 ft^3/s, February 14-15, gage height, 3.31 ft; no flow, most of the year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	e1.9	0.0	0.0	0.0	0.0	0.00	0.00	0.00
2	0.0	0.0	0.0	0.0	e1.9	0.0	0.0	0.0	0.0	0.00	0.00	0.00
3	0.0	0.0	0.0	0.0	e1.9	0.0	0.0	0.0	0.00	0.00	0.00	0.00
4	0.0	0.0	0.0	0.0	e2.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5	0.0	0.0	0.0	0.0	e2.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6	0.0	0.0	0.0	0.0	e2.0	0.0	0.0	0.0	0.00	0.00	e0.00	0.00
7	0.0	0.0	0.0	0.0	e2.0	0.0	0.0	0.0	0.00	0.00	e0.00	0.00
8	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.00	0.00	e0.00	0.00
9	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.00	0.00	e0.00	0.00
10	0.0	0.0	0.0	0.0	e4.2	0.0	0.0	0.0	0.00	0.00	e0.00	0.00
11	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.00	0.00	e0.00	0.00
12	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0	0.00	0.00	e0.00	0.00
13	0.0	0.0	0.0	0.0	19	0.0	0.0	0.0	0.00	0.00	e0.00	0.00
14	0.0	0.0	0.0	0.0	29	0.0	0.0	0.0	0.00	0.00	e0.00	0.00
15	0.0	0.0	0.0	0.0	31	0.0	0.0	0.0	0.00	0.00	e0.00	0.00
16	0.0	0.0	0.0	0.0	14	0.0	0.0	0.0	0.00	0.00	e0.00	0.00
17	0.0	0.0	0.0	0.0	0.47	0.0	0.0	0.0	0.00	0.00	0.00	0.00
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
28	0.0	0.0	0.0	e1.9	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
29	0.0	0.0	0.0	e1.9	---	0.0	0.0	0.0	0.00	0.00	0.00	0.00
30	0.0	0.0	0.0	e1.9	---	0.0	0.0	0.0	0.00	0.00	0.00	0.00
31	0.0	---	0.0	e1.9	---	0.0	---	0.0	---	0.00	0.00	---
TOTAL	0.0	0.0	0.0	7.6	134.67	0.0	0.0	0.0	0.00	0.00	0.00	0.00
MEAN	0.000	0.000	0.000	0.245	4.810	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MAX	0.00	0.00	0.00	1.9	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
AC-FT	0.00	0.00	0.00	15	267	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2002, BY WATER YEAR (WY)

MEAN	27.28	75.72	95.68	267.2	240.5	169.0	107.9	414.5	552.6	303.9	68.64	21.72
MAX	74.5	220	198	1557	914	410	321	918	1206	1438	339	76.2
(WY)	1999	1999	1999	1997	1997	1996	1998	1997	1995	1995	1995	1998
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
(WY)	1995	1995	1995	1995	1995	1995	2002	2002	2002	2002	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1995 - 2002	
ANNUAL TOTAL	4155.43		142.27			
ANNUAL MEAN	11.38		0.390		195.1	
HIGHEST ANNUAL MEAN					431	1997
LOWEST ANNUAL MEAN					0.39	2002
HIGHEST DAILY MEAN	75	Mar 5	31	Feb 15	2300	Jan 10 1997
LOWEST DAILY MEAN	0.00	May 26	0.00	Oct 1	0.00	Oct 1 1994
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 6	0.00	Oct 1	0.00	Oct 1 1994
MAXIMUM PEAK FLOW			33	Feb 14	2400	Jan 9 1997
MAXIMUM PEAK STAGE			3.31	Feb 14	7.82	Jul 16 1995
ANNUAL RUNOFF (AC-FT)	8240		282		141300	
10 PERCENT EXCEEDS	44		0.00		640	
50 PERCENT EXCEEDS	0.00		0.00		52	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

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.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 931 microsiemens, October 17, 2000; minimum daily, 143 microsiemens, May 12, 1998.
WATER TEMPERATURE: Maximum recorded, 33.0°C, July 21, 2000; minimum daily, freezing point many days during winter months of most years.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 658 microsiemens, January 31; minimum, 577 microsiemens, February 16.
WATER TEMPERATURE: Maximum recorded, 9.0°C, February 16; minimum daily, 0.5°C, January 28-31, February 1-7, 9, 10.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
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27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	652	619	634
29	---	---	---	---	---	---	---	---	---	631	606	619
30	---	---	---	---	---	---	---	---	---	651	617	632
31	---	---	---	---	---	---	---	---	---	658	616	634
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	640	598	619	---	---	---	---	---	---	---	---	---
2	627	587	608	---	---	---	---	---	---	---	---	---
3	623	581	603	---	---	---	---	---	---	---	---	---
4	623	580	599	---	---	---	---	---	---	---	---	---
5	619	579	597	---	---	---	---	---	---	---	---	---
6	613	579	595	---	---	---	---	---	---	---	---	---
7	596	578	587	---	---	---	---	---	---	---	---	---
8	594	584	589	---	---	---	---	---	---	---	---	---
9	602	590	596	---	---	---	---	---	---	---	---	---
10	605	583	593	---	---	---	---	---	---	---	---	---
11	593	584	589	---	---	---	---	---	---	---	---	---
12	590	583	586	---	---	---	---	---	---	---	---	---
13	595	583	588	---	---	---	---	---	---	---	---	---
14	590	579	585	---	---	---	---	---	---	---	---	---
15	585	578	582	---	---	---	---	---	---	---	---	---
16	602	577	587	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
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10302002 WALKER RIVER AT LATERAL 2-A SIPHON NEAR SCHURZ, NV--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
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27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	1.5	0.5	1.0
29	---	---	---	---	---	---	---	---	---	1.5	0.5	0.5
30	---	---	---	---	---	---	---	---	---	2.0	0.5	1.0
31	---	---	---	---	---	---	---	---	---	2.0	0.5	1.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.5	0.5	1.0	---	---	---	---	---	---	---	---	---
2	2.0	0.5	1.0	---	---	---	---	---	---	---	---	---
3	2.0	0.5	1.0	---	---	---	---	---	---	---	---	---
4	2.0	0.5	1.0	---	---	---	---	---	---	---	---	---
5	2.0	0.5	1.0	---	---	---	---	---	---	---	---	---
6	2.0	0.5	1.0	---	---	---	---	---	---	---	---	---
7	3.0	0.5	2.0	---	---	---	---	---	---	---	---	---
8	6.5	2.0	3.5	---	---	---	---	---	---	---	---	---
9	6.0	0.5	3.0	---	---	---	---	---	---	---	---	---
10	4.5	0.5	2.5	---	---	---	---	---	---	---	---	---
11	5.0	1.5	3.5	---	---	---	---	---	---	---	---	---
12	7.5	3.0	5.0	---	---	---	---	---	---	---	---	---
13	5.5	4.0	5.0	---	---	---	---	---	---	---	---	---
14	7.5	4.5	6.0	---	---	---	---	---	---	---	---	---
15	7.5	4.5	6.5	---	---	---	---	---	---	---	---	---
16	9.0	4.5	7.0	---	---	---	---	---	---	---	---	---
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10302002 WALKER RIVER AT LATERAL 2-A SIPHON NEAR SCHURZ, NV--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
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27	---	---	---	---	---	---	---	---	---	---	---	---
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MONTH	---	---	---	---	---	---	---	---	---	---	---	---

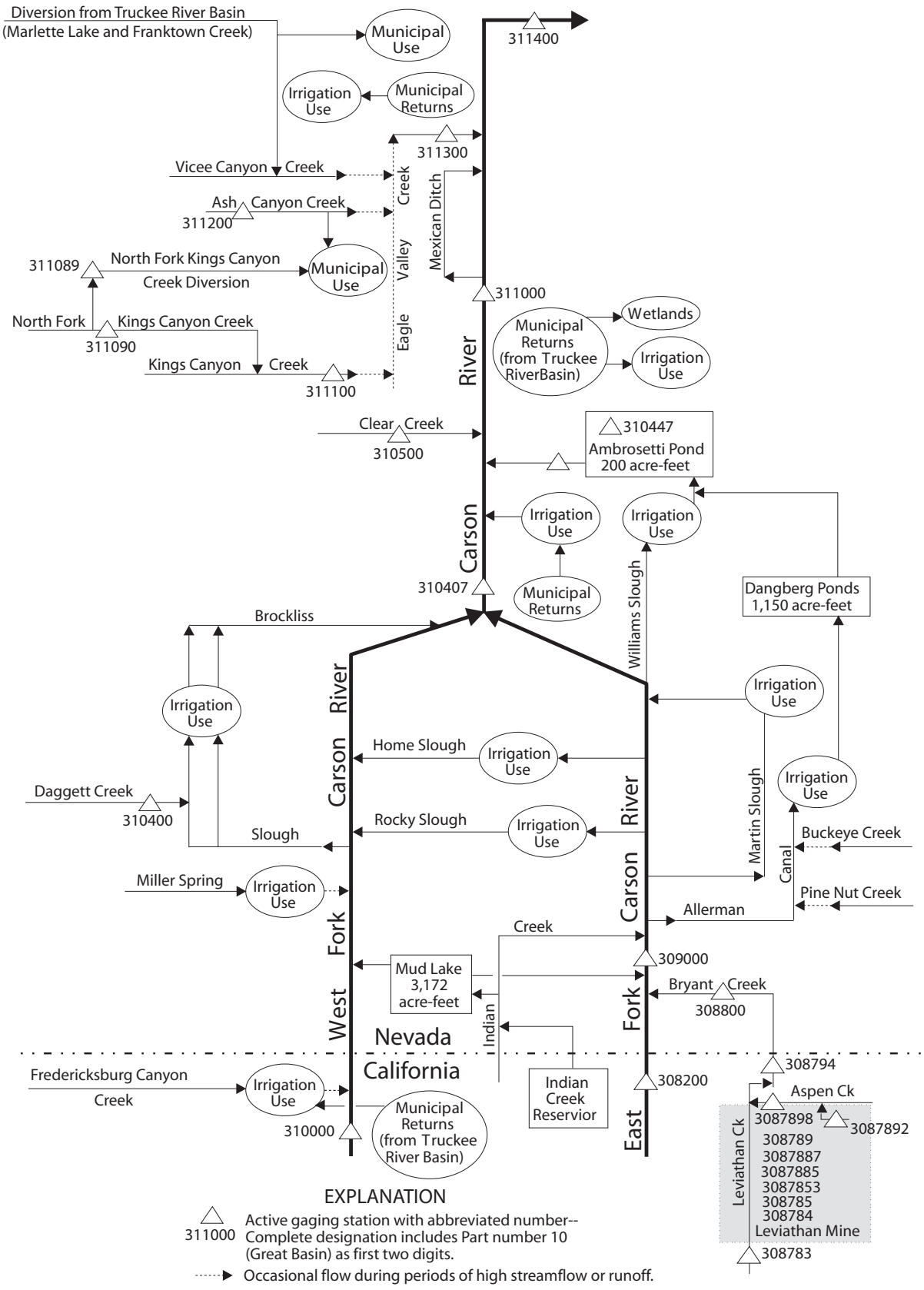

Figure 22. Schematic diagram of flow system and gaging stations in the Carson River basin upstream of station 311400.

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

LOCATION.--Lat 38°42'50", long 119°45'50", in SW $^1/_4$ NE $^1/_4$ 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 mi^2.

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

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

REMARKS.--Records good 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,900 ft^3/s, January 2, 1997, gage height, 11.78 ft; minimum daily, 12 ft^3/s, September 10-13, 23, 1997.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*)

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 15	0015	*1830	*4.56	May 18	2230	1740	4.47
May 31	0130	1610	4.34				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	51	65	131	e78	173	425	393	1350	243	87	51
2	31	44	107	143	e81	151	490	381	1150	232	88	48
3	29	42	61	179	86	150	580	442	956	215	87	47
4	28	41	63	123	88	157	727	565	932	194	81	49
5	28	40	69	115	90	161	792	697	985	181	72	56
6	28	39	70	182	92	194	720	834	986	170	70	57
7	28	39	76	221	82	185	681	951	946	156	74	60
8	28	39	76	194	84	149	702	915	862	148	87	54
9	29	38	75	164	81	161	774	851	719	149	86	52
10	30	37	72	142	83	166	784	821	615	139	71	51
11	29	42	70	128	83	168	859	727	571	142	e70	60
12	29	46	68	127	85	212	957	769	565	144	69	48
13	30	48	68	118	86	207	969	937	587	147	62	47
14	30	45	66	109	90	172	1220	1040	604	134	67	45
15	29	45	52	103	91	141	1370	1090	555	122	66	43
16	28	44	70	95	92	151	815	1190	531	113	66	43
17	27	42	78	82	99	143	642	1250	503	109	64	43
18	29	40	79	71	91	142	532	1460	511	120	59	44
19	30	38	82	94	99	142	466	1350	520	121	59	44
20	31	39	68	96	127	164	421	1110	478	108	61	43
21	30	46	72	100	136	169	408	819	462	99	72	42
22	30	149	73	82	158	189	426	665	423	92	59	41
23	30	78	65	e84	189	197	464	598	389	88	57	40
24	30	177	64	e82	166	190	511	593	368	83	57	40
25	31	106	60	e81	161	193	580	662	348	79	55	43
26	31	68	69	e79	166	210	683	735	336	81	53	38
27	32	75	70	e76	178	215	587	839	326	79	52	36
28	33	67	77	e74	175	231	503	893	302	82	54	35
29	33	66	89	71	---	261	477	1060	283	81	58	36
30	46	60	102	70	---	318	432	1270	263	85	57	38
31	74	---	172	e72	---	368	---	1340	---	80	53	---
TOTAL	983	1731	2348	3488	3117	5830	19997	27247	18426	4016	2073	1374
MEAN	31.71	57.70	75.74	112.5	111.3	188.1	666.6	878.9	614.2	129.5	66.87	45.80
MAX	74	177	172	221	189	368	1370	1460	1350	243	88	60
MIN	27	37	52	70	78	141	408	381	263	79	52	35
AC-FT	1950	3430	4660	6920	6180	11560	39660	54040	36550	7970	4110	2730

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2002, BY WATER YEAR (WY)

MEAN	79.69	108.5	132.4	194.4	206.4	285.5	551.1	1132	987.8	394.6	143.9	88.17
MAX	346	476	718	1722	917	983	1121	2447	2996	1721	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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1960 - 2002	
ANNUAL TOTAL	68577		90630			
ANNUAL MEAN	187.9		248.3		359.1	
HIGHEST ANNUAL MEAN					809	1983
LOWEST ANNUAL MEAN					83.7	1977
HIGHEST DAILY MEAN	1310	May 12	1460	May 18	12500	Jan 2 1997
LOWEST DAILY MEAN	27	Oct 17	27	Oct 17	12	Sep 10 1987
ANNUAL SEVEN-DAY MINIMUM	28	Oct 3	28	Oct 3	12	Sep 7 1987
MAXIMUM PEAK FLOW			1830	Apr 15	18900	Jan 2 1997
MAXIMUM PEAK STAGE			4.56	Apr 15	11.78	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	136000		179800		260200	
10 PERCENT EXCEEDS	544		771		961	
50 PERCENT EXCEEDS	68		91		143	
90 PERCENT EXCEEDS	30		38		51	

e Estimated

10308783 – LEVIATHAN CREEK ABOVE LEVIATHAN MINE NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42’05", long 119°39’20", in SW $^1/_4$ NE $^1/_4$ 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 mi^2.

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 ft^3/s and estimated values, which are poor. See schematic diagram of Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 21 ft^3/s, May 7, 1999, gage height, 4.40 ft, maximum gage height, 4.67 ft, January 7, 2001, backwater from ice; minimum daily, 0.02 ft^3/s, several days in 2001 and 2002.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base discharge of 10 ft^3/s or maximum:

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 14	1445	6.0	4.13				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.04	0.09	0.09	0.29	e0.13	e0.09	1.4	0.40	0.24	0.05	0.06	0.06
2	0.03	0.09	0.08	0.29	e0.12	e0.10	1.2	0.36	0.23	0.05	0.09	0.06
3	0.04	0.09	0.07	0.29	e0.11	e0.10	1.2	0.41	0.23	0.05	0.05	0.06
4	0.04	0.09	e0.07	0.29	e0.10	e0.09	1.4	0.36	0.21	0.05	0.05	0.06
5	0.04	0.10	e0.07	0.29	e0.10	e0.09	1.7	0.36	0.20	0.05	0.04	0.06
6	0.04	0.10	e0.07	0.31	e0.10	e0.09	1.6	0.36	0.19	0.05	0.05	0.07
7	0.05	0.10	e0.07	0.30	e0.12	e0.10	1.3	0.40	0.18	0.04	0.05	0.07
8	0.05	0.09	e0.07	e0.25	e0.10	e0.11	1.1	0.33	0.18	0.04	0.04	0.07
9	0.04	0.10	e0.07	e0.25	e0.10	e0.11	1.2	0.32	0.18	0.05	0.05	0.08
10	0.04	0.11	e0.07	e0.22	e0.10	e0.11	1.3	0.35	0.20	0.04	0.05	0.07
11	0.04	0.13	e0.07	e0.22	e0.10	0.35	1.5	0.41	0.18	0.04	0.06	0.06
12	0.04	0.11	e0.07	e0.20	e0.10	0.40	2.4	0.35	0.16	0.06	0.05	0.06
13	0.04	0.12	e0.07	e0.20	e0.10	0.35	3.0	0.35	0.16	0.33	0.04	0.06
14	0.04	0.12	e0.07	e0.18	e0.10	0.33	3.4	0.34	0.15	0.19	0.04	0.06
15	0.04	0.11	e0.07	e0.18	e0.10	e0.29	2.4	0.33	0.13	0.12	0.04	0.05
16	0.03	0.10	e0.07	e0.16	e0.10	e0.19	1.5	0.31	0.12	0.11	0.04	0.06
17	0.03	0.10	e0.07	e0.16	e0.10	e0.18	1.6	0.29	0.12	0.10	0.03	0.06
18	0.03	0.09	e0.07	e0.16	e0.10	e0.16	1.2	0.27	0.11	0.08	0.04	0.07
19	0.04	0.12	e0.07	e0.16	e0.20	e0.26	1.4	0.26	0.11	0.05	0.04	0.06
20	0.04	0.13	e0.12	e0.16	e0.18	0.32	1.5	0.29	0.11	0.05	0.04	0.06
21	0.04	0.15	e0.10	e0.16	e0.16	0.32	1.2	0.29	0.12	0.05	0.05	0.06
22	0.04	0.18	e0.15	e0.16	e0.14	0.35	0.98	0.29	0.10	0.05	0.05	0.06
23	0.04	0.13	0.19	e0.16	e0.12	0.35	0.98	0.29	0.10	0.05	0.05	0.06
24	0.04	0.20	0.23	e0.16	e0.10	0.32	0.87	0.29	0.11	0.04	0.05	0.04
25	0.04	0.19	0.24	e0.16	e0.10	0.33	0.80	0.29	0.08	0.04	0.05	0.05
26	0.04	e0.16	0.21	e0.20	e0.10	0.34	0.92	0.31	0.08	0.04	0.05	0.05
27	0.05	e0.14	0.22	e0.20	e0.10	0.39	0.69	0.31	0.07	0.05	0.05	0.05
28	0.04	0.12	0.22	e0.18	e0.09	0.47	0.60	0.31	0.06	0.05	0.06	0.07
29	0.04	0.08	0.26	e0.16	---	0.59	0.53	0.29	0.06	0.04	0.08	0.08
30	0.07	0.08	0.26	e0.15	---	0.91	0.40	0.30	0.06	0.04	0.08	0.07
31	0.09	---	0.29	e0.14	---	0.95	---	0.25	---	0.03	0.06	---
TOTAL	1.31	3.52	3.85	6.39	3.17	9.14	41.27	10.07	4.23	2.08	1.58	1.85
MEAN	0.042	0.117	0.124	0.206	0.113	0.295	1.376	0.325	0.141	0.067	0.051	0.062
MAX	0.09	0.20	0.29	0.31	0.20	0.95	3.4	0.41	0.24	0.33	0.09	0.08
MIN	0.03	0.08	0.07	0.14	0.09	0.09	0.40	0.25	0.06	0.03	0.03	0.04
AC-FT	2.6	7.0	7.6	13	6.3	18	82	20	8.4	4.1	3.1	3.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

MEAN	0.074	0.130	0.151	0.184	0.165	0.451	1.374	1.740	0.292	0.093	0.057	0.066
MAX	0.11	0.20	0.24	0.27	0.29	0.83	2.56	6.17	0.80	0.19	0.10	0.11
(WY)	2000	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999
MIN	0.042	0.091	0.080	0.088	0.080	0.29	0.47	0.18	0.079	0.048	0.029	0.031
(WY)	2002	2001	2001	2001	2001	2002	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1999 - 2002	
ANNUAL TOTAL	48.36		88.46			
ANNUAL MEAN	0.132		0.242		0.202	
HIGHEST ANNUAL MEAN					0.24	2002
LOWEST ANNUAL MEAN					0.13	2001
HIGHEST DAILY MEAN	1.9	Apr 23	3.4	Apr 14	15	May 7 1999
LOWEST DAILY MEAN	0.02	Aug 17	0.03	Oct 2	0.02	Aug 17 2001
ANNUAL SEVEN-DAY MINIMUM	0.02	Aug 24	0.04	Oct 12	0.02	Aug 24 2001
MAXIMUM PEAK FLOW			6.0	Apr 14	21	May 7 1999
MAXIMUM PEAK STAGE			4.13	Apr 14	4.67	Jan 7 2001
ANNUAL RUNOFF (AC-FT)	96		175		146	
10 PERCENT EXCEEDS	0.25		0.40		0.38	
50 PERCENT EXCEEDS	0.08		0.10		0.10	
90 PERCENT EXCEEDS	0.03		0.04		0.04	

e Estimated

10308784 – LEVIATHAN MINE ADIT DRAIN NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42’15", long 119°39’28", in NW $^1/_4$ NE $^1/_4$ 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 excellent. See schematic diagram of Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily discharge, 0.09 ft^3/s, May 15–18, 1999; minimum daily, 0.0219 ft^3/s, February 19 and 20, 2002.

EXTREMES FOR CURRENT YEAR.—Maximum daily discharge, 0.0371 ft^3/s, April 30, and May 1; minimum daily, 0.0219 ft^3/s, February 19 and 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0301	0.0302	0.0308	0.0265	0.0227	0.0234	0.0243	0.0371	0.0339	0.0307	0.0293	0.0276
2	0.0299	0.0302	0.0310	0.0264	0.0227	0.0231	0.0243	0.0367	0.0339	0.0311	0.0294	0.0276
3	0.0299	0.0302	0.0309	0.0266	0.0227	0.0234	0.0244	0.0360	0.0332	0.0306	0.0289	0.0279
4	0.0299	0.0303	0.0307	0.0266	0.0225	0.0230	0.0243	0.0366	0.0332	0.0306	0.0291	0.0282
5	0.0298	0.0302	0.0299	0.0256	0.0225	0.0225	0.0248	0.0363	0.0328	0.0306	0.0288	0.0282
6	0.0305	0.0303	0.0303	0.0252	0.0223	0.0234	0.0251	0.0363	0.0329	0.0302	0.0290	0.0288
7	0.0301	0.0302	0.0309	0.0252	0.0224	0.0236	0.0256	0.0365	0.0331	0.0303	0.0292	0.0287
8	0.0303	0.0308	0.0308	0.0253	0.0220	0.0232	0.0259	0.0362	0.0335	0.0301	0.0285	0.0283
9	0.0306	0.0307	0.0308	0.0251	0.0224	0.0231	0.0268	0.0365	0.0338	0.0298	0.0283	0.0281
10	0.0304	0.0307	0.0309	0.0251	0.0224	0.0228	0.0277	0.0363	0.0335	0.0297	0.0282	0.0283
11	0.0303	0.0302	0.0308	0.0246	0.0221	0.0229	0.0284	0.0359	0.0331	0.0298	0.0283	0.0279
12	0.0307	0.0306	0.0302	0.0244	0.0222	0.0231	0.0288	0.0357	0.0324	0.0298	0.0280	0.0276
13	0.0303	0.0301	0.0309	0.0247	0.0222	0.0235	0.0293	0.0356	0.0326	0.0305	0.0278	0.0276
14	0.0304	0.0302	0.0310	0.0244	0.0223	0.0237	0.0305	0.0354	0.0323	0.0295	0.0279	0.0276
15	0.0301	0.0303	0.0308	0.0243	0.0222	0.0242	0.0317	0.0352	0.0323	0.0296	0.0279	0.0273
16	0.0305	0.0299	0.0305	0.0243	0.0224	0.0238	0.0324	0.0352	0.0324	0.0295	0.0279	0.0279
17	0.0301	0.0304	0.0305	0.0241	0.0226	0.0237	0.0332	0.0346	0.0321	0.0299	0.0278	0.0276
18	0.0303	0.0306	0.0309	0.0238	0.0224	0.0233	0.0338	0.0347	0.0321	0.0301	0.0283	0.0275
19	0.0305	0.0305	0.0308	0.0237	0.0219	0.0230	0.0339	0.0348	0.0325	0.0294	0.0283	0.0275
20	0.0302	0.0307	0.0307	0.0232	0.0219	0.0231	0.0342	0.0358	0.0323	0.0293	0.0288	0.0276
21	0.0303	0.0304	0.0301	0.0227	0.0224	0.0231	0.0342	0.0356	0.0324	0.0294	0.0284	0.0273
22	0.0303	0.0307	0.0298	0.0231	0.0227	0.0237	0.0345	0.0355	0.0316	0.0296	0.0285	0.0270
23	0.0301	0.0311	0.0291	0.0227	0.0227	0.0242	0.0345	0.0349	0.0316	0.0290	0.0281	0.0271
24	0.0304	0.0315	0.0296	0.0222	0.0229	0.0239	0.0352	0.0346	0.0310	0.0286	0.0283	0.0271
25	0.0303	0.0318	0.0287	0.0221	0.0230	0.0238	0.0357	0.0345	0.0311	0.0291	0.0281	0.0272
26	0.0301	0.0320	0.0279	0.0222	0.0234	0.0236	0.0364	0.0343	0.0310	0.0293	0.0278	0.0275
27	0.0304	0.0314	0.0278	0.0227	0.0234	0.0238	0.0365	0.0344	0.0314	0.0294	0.0281	0.0276
28	0.0298	0.0310	0.0280	0.0229	0.0236	0.0241	0.0365	0.0341	0.0308	0.0291	0.0280	0.0279
29	0.0301	0.0310	0.0275	0.0229	---	0.0241	0.0367	0.0337	0.0310	0.0290	0.0279	0.0277
30	0.0301	0.0310	0.0270	0.0229	---	0.0242	0.0371	0.0333	0.0305	0.0285	0.0280	0.0281
31	0.0303	---	0.0267	0.0228	---	0.0246	---	0.0335	---	0.0288	0.0280	---
TOTAL	0.9371	0.9192	0.9263	0.7483	0.6309	0.7289	0.9267	1.0958	0.9703	0.9209	0.8789	0.8323
MEAN	0.030	0.031	0.030	0.024	0.023	0.024	0.031	0.035	0.032	0.030	0.028	0.028
MAX	0.0307	0.0320	0.0310	0.0266	0.0236	0.0246	0.0371	0.0371	0.0339	0.0311	0.0294	0.0288
MIN	0.0298	0.0299	0.0267	0.0221	0.0219	0.0225	0.0243	0.0333	0.0305	0.0285	0.0278	0.0270
AC-FT	1.9	1.8	1.8	1.5	1.3	1.4	1.8	2.2	1.9	1.8	1.7	1.7

10308785 – LEVIATHAN MINE PIT DRAIN NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42’15", long 119°39’28", in NW $^1/_4$ NE $^1/_4$ 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.—September 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. See schematic diagram of Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily discharge, 0.0035 ft^3/s, Mar. 29, 2001; minimum daily, 0.0004 ft^3/s, several days in 2001 and 2002.

EXTREMES FOR CURRENT YEAR.—Maximum daily discharge, 0.0023 ft^3/s, April 1–3; minimum daily, 0.0004 ft^3/s, many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0004	0.0004	0.0004	0.0006	0.0007	0.0018	0.0023	0.0014	0.0016	0.0012	0.0009	0.0006
2	0.0004	0.0004	0.0004	0.0006	0.0007	0.0016	0.0023	0.0014	0.0016	0.0012	0.0009	0.0006
3	0.0004	0.0004	0.0004	0.0006	0.0007	0.0015	0.0023	0.0014	0.0016	0.0012	0.0009	0.0006
4	0.0004	0.0004	0.0004	0.0006	0.0007	0.0015	0.0021	0.0014	0.0015	0.0012	0.0009	0.0006
5	0.0004	0.0004	0.0004	0.0006	0.0007	0.0016	0.0021	0.0014	0.0014	0.0011	0.0008	0.0005
6	0.0004	0.0004	0.0004	0.0006	0.0007	0.0017	0.0019	0.0014	0.0015	0.0011	0.0008	0.0005
7	0.0004	0.0004	0.0004	0.0006	0.0008	0.0017	0.0019	0.0015	0.0015	0.0011	0.0008	0.0005
8	0.0004	0.0004	0.0004	0.0007	0.0008	0.0016	0.0018	0.0015	0.0015	0.0010	0.0007	0.0005
9	0.0004	0.0004	0.0005	0.0007	0.0007	0.0014	0.0018	0.0015	0.0015	0.0010	0.0007	0.0005
10	0.0004	0.0004	0.0005	0.0006	0.0007	0.0014	0.0018	0.0015	0.0015	0.0010	0.0007	0.0005
11	0.0004	0.0004	0.0004	0.0006	0.0008	0.0014	0.0018	0.0015	0.0014	0.0010	0.0007	0.0005
12	0.0004	0.0004	0.0004	0.0006	0.0008	0.0014	0.0017	0.0015	0.0014	0.0010	0.0007	0.0005
13	0.0004	0.0004	0.0004	0.0006	0.0008	0.0015	0.0016	0.0015	0.0014	0.0010	0.0007	0.0005
14	0.0004	0.0004	0.0005	0.0006	0.0008	0.0015	0.0017	0.0015	0.0014	0.0010	0.0007	0.0005
15	0.0004	0.0004	0.0004	0.0006	0.0009	0.0015	0.0016	0.0015	0.0014	0.0010	0.0007	0.0005
16	0.0004	0.0004	0.0004	0.0006	0.0009	0.0014	0.0016	0.0015	0.0013	0.0010	0.0007	0.0005
17	0.0004	0.0004	0.0004	0.0006	0.0010	0.0014	0.0016	0.0015	0.0013	0.0010	0.0007	0.0005
18	0.0004	0.0004	0.0004	0.0006	0.0009	0.0014	0.0016	0.0015	0.0014	0.0010	0.0007	0.0005
19	0.0004	0.0004	0.0005	0.0006	0.0009	0.0013	0.0015	0.0016	0.0014	0.0010	0.0007	0.0005
20	0.0004	0.0004	0.0005	0.0006	0.0009	0.0013	0.0015	0.0016	0.0013	0.0009	0.0006	0.0005
21	0.0004	0.0004	0.0005	0.0006	0.0010	0.0014	0.0014	0.0016	0.0012	0.0009	0.0006	0.0005
22	0.0004	0.0004	0.0005	0.0006	0.0011	0.0017	0.0014	0.0016	0.0012	0.0009	0.0006	0.0004
23	0.0004	0.0004	0.0004	0.0006	0.0013	0.0018	0.0014	0.0016	0.0012	0.0009	0.0006	0.0004
24	0.0004	0.0004	0.0004	0.0006	0.0014	0.0017	0.0014	0.0016	0.0012	0.0009	0.0006	0.0004
25	0.0004	0.0004	0.0005	0.0006	0.0014	0.0016	0.0014	0.0016	0.0012	0.0009	0.0006	0.0004
26	0.0004	0.0004	0.0005	0.0006	0.0015	0.0016	0.0014	0.0016	0.0012	0.0009	0.0006	0.0004
27	0.0004	0.0004	0.0005	0.0006	0.0017	0.0016	0.0014	0.0016	0.0012	0.0009	0.0006	0.0004
28	0.0004	0.0004	0.0005	0.0006	0.0017	0.0016	0.0014	0.0016	0.0012	0.0009	0.0006	0.0004
29	0.0004	0.0004	0.0005	0.0007	---	0.0016	0.0014	0.0016	0.0012	0.0009	0.0006	0.0004
30	0.0004	0.0004	0.0005	0.0007	---	0.0018	0.0014	0.0016	0.0012	0.0009	0.0006	0.0004
31	0.0004	---	0.0005	0.0007	---	0.0022	---	0.0016	---	0.0009	0.0006	---
TOTAL	0.0124	0.0120	0.0138	0.0191	0.0270	0.0485	0.0505	0.0472	0.0409	0.0309	0.0216	0.0145
MEAN	0.000	0.000	0.000	0.001	0.001	0.002	0.002	0.002	0.001	0.001	0.001	0.000
MAX	0.0004	0.0004	0.0005	0.0007	0.0017	0.0022	0.0023	0.0016	0.0016	0.0012	0.0009	0.0006
MIN	0.0004	0.0004	0.0004	0.0006	0.0007	0.0013	0.0014	0.0014	0.0012	0.0009	0.0006	0.0004
AC-FT	0.02	0.02	0.03	0.04	0.05	0.1	0.1	0.09	0.08	0.06	0.04	0.03

103087853 – LEVIATHAN MINE POND 1 NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42’15", long 119°39’28", in NW $^1/_4$ NE $^1/_4$ 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 east 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. See schematic diagram of Carson River Basin.

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

EXTREMES FOR CURRENT YEAR.—Maximum elevation, 6.73 ft, December 17; minimum, 4.36 ft, October 1, 2, 4

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.36	4.84	5.91	5.03	5.45	5.82	6.48	6.71	6.62	6.33	5.25	5.15
2	4.36	4.86	6.15	5.08	5.47	5.83	6.50	6.71	6.62	6.30	5.30	5.17
3	4.37	4.89	6.24	5.09	5.47	5.84	6.52	6.71	6.61	6.27	5.34	5.31
4	4.36	4.92	6.27	5.11	5.49	5.85	6.54	6.71	6.60	6.26	5.28	5.40
5	4.37	4.94	6.30	5.13	5.49	5.85	6.55	6.71	6.59	6.24	5.27	5.41
6	4.38	4.97	6.34	5.16	5.50	5.96	6.55	6.71	6.58	6.24	5.27	5.32
7	4.37	5.00	6.36	5.17	5.53	6.03	6.56	6.70	6.56	6.21	5.20	5.35
8	4.38	5.02	6.40	5.19	5.54	6.03	6.56	6.70	6.55	6.20	5.14	5.36
9	4.40	5.04	6.44	5.20	5.56	6.03	6.56	6.68	6.53	6.18	5.13	5.22
10	4.38	5.07	6.48	5.21	5.56	6.06	6.56	6.69	6.52	6.13	5.12	5.10
11	4.38	5.11	6.51	5.22	5.57	6.07	6.56	6.69	6.53	6.02	5.12	5.04
12	4.38	5.14	6.54	5.23	5.58	6.08	6.56	6.69	6.51	6.00	5.07	4.94
13	4.39	5.17	6.57	5.24	5.60	6.10	6.56	6.69	6.51	6.05	5.01	4.73
14	4.39	5.19	6.62	5.25	5.61	6.12	6.55	6.68	6.50	6.04	4.97	4.76
15	4.40	5.22	6.65	5.26	5.62	6.13	6.55	6.68	6.48	6.03	4.96	4.78
16	4.41	5.25	6.69	5.27	5.63	6.14	6.55	6.68	6.47	5.99	4.92	4.56
17	4.42	5.28	6.73	5.28	5.67	6.16	6.57	6.68	6.46	5.95	4.91	4.48
18	4.45	5.30	5.77	5.29	5.68	6.17	6.60	6.67	6.45	5.90	4.90	4.48
19	4.48	5.32	4.86	5.29	5.70	6.20	6.63	6.66	6.44	5.86	4.83	4.48
20	4.50	5.37	4.80	5.31	5.72	6.22	6.64	6.67	6.43	5.86	4.77	4.48
21	4.52	5.38	4.81	5.32	5.74	6.22	6.64	6.66	6.43	5.85	4.70	4.48
22	4.55	5.45	4.83	5.33	5.76	6.25	6.64	6.66	6.43	5.75	4.63	4.51
23	4.62	5.48	4.85	5.34	5.76	6.34	6.65	6.65	6.42	5.67	4.55	4.54
24	4.59	5.66	4.85	5.37	5.77	6.35	6.65	6.66	6.41	5.62	4.57	4.75
25	4.63	5.68	4.87	5.37	5.78	6.36	6.65	6.65	6.40	5.54	4.61	4.81
26	4.66	5.71	4.88	5.39	5.80	6.38	6.68	6.65	6.39	5.46	4.64	4.84
27	4.68	5.74	4.89	5.40	5.81	6.40	6.68	6.64	6.38	5.47	4.73	4.70
28	4.71	5.77	4.93	5.41	5.81	6.41	6.68	6.66	6.37	5.45	4.79	4.51
29	4.74	5.83	4.96	5.43	---	6.43	6.69	6.66	6.35	5.36	4.93	4.50
30	4.79	5.86	4.99	5.43	---	6.45	6.70	6.64	6.33	5.30	5.11	4.50
31	4.81	---	5.01	5.45	---	6.47	---	6.63	---	5.24	5.14	---
MEAN	4.49	5.28	5.76	5.27	5.63	6.15	6.59	6.68	6.48	5.90	4.97	4.86
MAX	4.81	5.86	6.73	5.45	5.81	6.47	6.70	6.71	6.62	6.33	5.34	5.41
MIN	4.36	4.84	4.80	5.03	5.45	5.82	6.48	6.63	6.33	5.24	4.55	4.48

CAL YR 2001 MEAN 5.32 MAX 6.73 MIN 4.34
WTR YR 2002 MEAN 5.67 MAX 6.73 MIN 4.36

CARSON RIVER BASIN

103087885 – LEVIATHAN CREEK CHANNEL UNDERDRAIN NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42’34", long 119°39’41", in SE $^1/_4$ SW $^1/_4$ 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 good. See schematic diagram of Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily discharge, 0.09 ft^3/s, April 20-21, 2000; minimum, no flow on many days in most years.

EXTREMES FOR CURRENT YEAR.—Maximum daily discharge, 0.0887 ft^3/s, April 11; no flow on many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0296	0.0277	0.0311	0.0349	0.0424	0.0437	0.0578	0.0762	0.0624	0.0000	0.0000	0.0000
2	0.0308	0.0277	0.0313	0.0349	0.0420	0.0432	0.0583	0.0770	0.0503	0.0000	0.0000	0.0000
3	0.0296	0.0278	0.0311	0.0359	0.0419	0.0432	0.0620	0.0774	0.0511	0.0000	0.0000	0.0000
4	0.0290	0.0278	0.0312	0.0373	0.0419	0.0432	0.0630	0.0770	0.0515	0.0000	0.0000	0.0000
5	0.0285	0.0275	0.0311	0.0355	0.0416	0.0432	0.0642	0.0750	0.0525	0.0065	0.0000	0.0000
6	0.0282	0.0277	0.0311	0.0372	0.0415	0.0433	0.0748	0.0741	0.0525	0.0000	0.0000	0.0000
7	0.0284	0.0277	0.0310	0.0378	0.0417	0.0453	0.0775	0.0735	0.0524	0.0000	0.0000	0.0000
8	0.0282	0.0277	0.0305	0.0389	0.0416	0.0460	0.0811	0.0727	0.0502	0.0000	0.0000	0.0000
9	0.0279	0.0278	0.0300	0.0389	0.0412	0.0439	0.0817	0.0720	e0.0500	0.0000	0.0000	0.0000
10	0.0280	0.0276	0.0306	0.0389	0.0411	0.0462	0.0858	0.0718	e0.0500	0.0000	0.0000	0.0000
11	0.0279	0.0277	0.0310	0.0389	0.0411	0.0453	0.0887	0.0716	e0.0500	0.0000	0.0000	0.0000
12	0.0278	0.0278	0.0311	0.0392	0.0409	0.0467	0.0857	0.0707	e0.0500	0.0000	0.0000	0.0000
13	0.0277	0.0282	0.0311	0.0414	0.0406	0.0477	0.0792	0.0707	e0.0500	0.0007	0.0000	0.0000
14	0.0277	0.0282	0.0311	0.0416	0.0406	0.0478	0.0772	0.0708	0.0499	0.0000	0.0000	0.0000
15	0.0277	0.0282	0.0317	0.0429	0.0406	0.0478	0.0750	0.0704	0.0496	0.0000	0.0000	0.0000
16	0.0276	0.0284	0.0313	0.0427	0.0403	0.0480	0.0757	0.0698	0.0495	0.0000	0.0000	0.0000
17	0.0276	0.0285	0.0316	0.0430	0.0402	0.0485	0.0755	0.0698	0.0495	0.0000	0.0000	0.0000
18	0.0276	0.0281	0.0321	0.0428	0.0402	0.0479	0.0750	0.0696	0.0491	0.0000	0.0000	0.0000
19	0.0276	0.0287	0.0314	0.0425	0.0401	0.0476	0.0763	0.0682	0.0486	0.0000	0.0000	0.0000
20	0.0277	0.0289	0.0312	0.0429	0.0398	0.0478	0.0758	0.0669	0.0484	0.0000	0.0000	0.0000
21	0.0277	0.0296	0.0336	0.0427	0.0398	0.0473	0.0768	e0.0669	0.0484	0.0000	0.0000	0.0000
22	0.0276	0.0288	0.0332	0.0432	0.0400	0.0478	0.0776	e0.0663	0.0484	0.0000	0.0000	0.0000
23	0.0275	0.0291	0.0337	0.0432	0.0424	0.0480	0.0788	0.0663	0.0483	0.0000	0.0000	0.0000
24	0.0276	0.0298	0.0346	0.0428	0.0437	0.0497	0.0827	0.0659	0.0467	0.0000	0.0000	0.0000
25	0.0276	0.0311	0.0336	0.0428	0.0437	0.0512	0.0825	0.0653	0.0421	0.0000	0.0000	0.0000
26	0.0276	0.0311	0.0316	0.0429	0.0435	0.0523	0.0814	0.0652	0.0254	0.0000	0.0000	0.0000
27	0.0277	0.0311	0.0323	0.0428	0.0434	0.0526	0.0814	0.0646	0.0000	0.0000	0.0000	0.0000
28	0.0276	0.0309	0.0334	0.0428	0.0445	0.0527	0.0814	0.0637	0.0000	0.0000	0.0000	0.0000
29	0.0278	0.0311	0.0339	0.0427	---	0.0541	0.0793	0.0635	0.0000	0.0000	0.0000	0.0000
30	0.0277	0.0311	0.0347	0.0424	---	0.0577	0.0759	0.0630	0.0000	0.0000	0.0000	0.0000
31	0.0277	---	0.0349	0.0424	---	0.0578	---	0.0631	---	0.0000	0.0000	---
TOTAL	0.8692	0.8634	0.9921	1.2588	1.1623	1.4875	2.2881	2.1590	1.2768	0.0072	0.0000	0.0000
MEAN	0.028	0.029	0.032	0.041	0.042	0.048	0.076	0.070	0.043	0.000	0.000	0.000
MAX	0.0308	0.0311	0.0349	0.0432	0.0445	0.0578	0.0887	0.0774	0.0624	0.0065	0.0000	0.0000
MIN	0.0275	0.0275	0.0300	0.0349	0.0398	0.0432	0.0578	0.0630	0.0000	0.0000	0.0000	0.0000
AC-FT	1.7	1.7	2.0	2.5	2.3	3.0	4.5	4.3	2.5	0.01	0.00	0.0000

e Estimated

CARSON RIVER BASIN

103087887 – LEVIATHAN MINE POND 4 NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42’34", long 119°39’41", in SE $^1/_4$ SW $^1/_4$ 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 current year.

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

REMARKS.—Records excellent. See schematic diagram of Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily discharge, 0.3431 ft^3/s, February 10, 1999; no flow on many days in each year.

EXTREMES FOR CURRENT YEAR.—There was no flow during the entire year.

10308789 – LEVIATHAN CREEK ABOVE ASPEN CREEK, NEAR MARKLEEVILLE, CA

LOCATION (REVISED).—Lat 38°43'01", long 119°39'33", in NE $^1/_4$ NW $^1/_4$ sec.15, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, on right bank, 3.2 mi north of State Highway 89, and 6.5 mi east of Markleeville.

DRAINAGE AREA.—7.07 mi^2.

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 ft^3/s, which are poor. See schematic diagram of Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 24 ft^3/s, April 28, 1999, gage height, 5.14 ft; no flow on several days in August 2001, July 11, September 2, 2002.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 10 ft^3/s or maximum:

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 4	1800	7.50	4.66				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.05	0.16	e0.20	e0.42	e0.21	e0.55	2.4	1.3	0.40	0.07	e0.27	0.01
2	0.13	0.16	e0.20	e0.44	e0.17	e0.55	2.6	1.2	0.38	0.07	e0.16	0.00
3	0.10	0.17	e0.20	e0.43	e0.16	e0.54	2.8	1.1	0.38	0.07	e0.10	0.04
4	0.04	0.17	e0.20	e0.42	e0.16	e0.52	3.5	1.1	0.38	0.06	e0.08	0.18
5	0.03	0.18	e0.20	e0.42	e0.15	0.50	3.2	1.0	0.37	0.06	e0.07	0.22
6	0.04	0.18	e0.20	e0.44	e0.15	e0.49	2.8	0.98	0.36	0.05	e0.08	0.28
7	0.04	0.19	e0.20	e0.41	e0.13	e0.48	2.6	0.96	0.35	0.04	e0.08	0.15
8	0.04	0.18	e0.20	e0.37	e0.13	e0.48	2.7	0.91	0.35	0.03	e0.07	0.06
9	0.05	0.17	e0.20	e0.37	e0.14	e0.45	2.8	0.89	0.35	0.02	e0.07	0.12
10	0.06	0.19	e0.20	e0.35	e0.14	0.44	2.8	0.85	0.35	0.01	e0.06	0.18
11	0.05	0.22	e0.20	e0.36	e0.14	0.77	2.9	0.88	0.35	0.00	e0.09	0.09
12	0.05	0.22	e0.20	e0.34	e0.15	1.2	e2.8	0.83	0.35	0.11	e0.16	0.09
13	0.06	0.22	e0.20	e0.34	e0.14	e1.2	2.7	0.81	0.38	0.61	e0.33	0.08
14	0.06	0.22	e0.20	e0.33	e0.14	e1.1	3.0	0.79	0.37	0.25	e0.24	0.03
15	0.06	0.21	e0.20	e0.31	e0.15	e1.0	2.2	0.76	0.36	0.21	e0.23	0.02
16	0.06	0.21	e0.20	e0.28	e0.14	0.74	1.6	0.72	e0.30	0.05	e0.14	0.06
17	0.06	0.21	e0.20	e0.28	e0.15	0.63	1.6	0.69	e0.28	0.05	e0.06	0.16
18	0.07	0.19	e0.20	e0.28	e0.21	0.52	1.5	0.67	e0.27	0.09	e0.07	0.16
19	0.08	0.20	e0.25	e0.28	e0.73	0.66	1.3	0.61	e0.26	0.06	e0.07	0.16
20	0.08	0.21	0.37	e0.28	e0.63	0.70	1.5	0.71	e0.26	0.05	e0.09	0.16
21	0.08	0.24	0.36	e0.28	e0.62	0.88	1.6	0.64	e0.27	0.05	e0.08	0.04
22	0.10	0.37	0.33	e0.28	e0.62	0.92	1.4	0.65	e0.25	0.06	e0.07	0.03
23	0.10	0.24	0.34	e0.28	e0.59	e0.80	1.3	0.64	e0.21	0.21	e0.09	0.12
24	0.11	0.75	0.39	e0.28	e0.59	0.55	1.2	0.63	e0.19	0.58	e0.07	0.29
25	0.12	0.33	0.39	e0.28	e0.59	e0.90	1.3	0.62	e0.17	0.45	e0.06	0.24
26	0.12	0.28	0.37	e0.28	e0.56	0.98	1.7	0.59	e0.13	0.52	e0.07	0.14
27	0.12	e0.25	0.39	e0.30	e0.55	1.3	1.5	0.57	0.08	e0.23	e0.10	0.08
28	0.14	e0.20	0.40	e0.28	e0.53	1.3	1.3	0.50	0.07	e0.08	0.15	0.05
29	0.14	e0.20	e0.44	e0.27	---	1.7	1.4	0.44	0.07	e0.17	0.17	0.05
30	0.20	e0.20	e0.41	e0.25	---	2.1	1.3	0.42	0.07	e0.19	0.08	0.07
31	0.19	---	e0.42	e0.23	---	2.1	---	0.42	---	e0.22	0.03	---
TOTAL	2.63	6.92	8.46	10.16	8.77	27.05	63.3	23.88	8.36	4.72	3.49	3.36
MEAN	0.085	0.231	0.273	0.328	0.313	0.873	2.110	0.770	0.279	0.152	0.113	0.112
MAX	0.20	0.75	0.44	0.44	0.73	2.1	3.5	1.3	0.40	0.61	0.33	0.29
MIN	0.03	0.16	0.20	0.23	0.13	0.44	1.2	0.42	0.07	0.00	0.03	0.00
AC-FT	5.2	14	17	20	17	54	126	47	17	9.4	6.9	6.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

MEAN	0.192	0.237	0.255	0.308	0.513	1.122	2.692	2.882	0.725	0.249	0.180	0.206
MAX	0.34	0.36	0.39	0.47	1.10	1.74	5.38	9.69	2.18	0.56	0.31	0.46
(WY)	2000	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999
MIN	0.085	0.16	0.16	0.16	0.20	0.71	1.30	0.48	0.12	0.069	0.039	0.090
(WY)	2002	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1999 - 2002	
ANNUAL TOTAL	114.23		171.10			
ANNUAL MEAN	0.313		0.469		0.427	
HIGHEST ANNUAL MEAN					0.51	2000
LOWEST ANNUAL MEAN					0.30	2001
HIGHEST DAILY MEAN	3.6	Apr 23	3.5	Apr 4	17	May 7 1999
LOWEST DAILY MEAN	0.00	Aug 5	0.00	Jul 11	0.00	Aug 5 2001
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 5	0.03	Jul 5	0.00	Aug 5 2001
MAXIMUM PEAK FLOW			7.5	Apr 4	24	Apr 28 1999
MAXIMUM PEAK STAGE			4.66	Apr 4	5.14	Apr 28 1999
ANNUAL RUNOFF (AC-FT)	227		339		310	
10 PERCENT EXCEEDS	0.85		1.2		1.1	
50 PERCENT EXCEEDS	0.18		0.24		0.21	
90 PERCENT EXCEEDS	0.04		0.06		0.07	

e Estimated

CARSON RIVER BASIN

103087892 – ASPEN CREEK OVERBURDEN SEEP NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°43’45", long 119°39’11", in NE $^1/_4$ SE $^1/_4$ 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 current year (low-flow records only).

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

REMARKS.—Records poor, including estimated daily discharges. Records not computed above 0.38 ft^3/s. No record Sept. 11–30. The site was shut down during construction of treatment ponds.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0179	0.0349	e0.0796	0.0308	0.0225	0.0322	0.0209	0.0452	0.0415	0.0158	e0.0182	0.0187
2	0.0163	0.0355	e0.0759	0.0351	0.0221	0.0339	0.0215	0.0441	0.0404	0.0157	e0.0182	0.0188
3	0.0148	0.0364	e0.0703	0.0361	0.0215	0.0348	0.0223	0.0435	0.0399	0.0154	e0.0182	e0.0188
4	0.0139	0.0374	e0.0684	0.0366	0.0206	0.0354	0.0236	0.0435	0.0395	0.0152	e0.0182	e0.0188
5	0.0137	0.0377	e0.0628	0.0373	0.0199	0.0361	0.0258	0.0443	0.0391	0.0149	e0.0182	e0.0188
6	0.0131	0.0425	e0.0571	0.0386	0.0193	0.0386	0.0258	0.0450	0.0397	0.0150	e0.0182	e0.0188
7	0.0115	0.0490	e0.0515	0.0369	0.0235	0.0355	0.0253	0.0446	0.0382	0.0156	e0.0182	e0.0188
8	0.0118	0.0514	e0.0478	0.0359	0.0322	0.0329	0.0248	0.0456	0.0381	0.0160	e0.0184	e0.0188
9	0.0105	0.0542	e0.0440	0.0363	0.0318	0.0328	0.0253	0.0460	0.0381	0.0163	e0.0184	e0.0188
10	0.0106	0.0543	e0.0403	0.0356	0.0317	0.0325	0.0267	0.0456	0.0379	0.0166	e0.0184	e0.0188
11	0.0125	0.0550	e0.0403	0.0358	0.0322	0.0319	0.0263	0.0454	0.0379	0.0171	e0.0184	---
12	0.0107	0.0595	e0.0384	0.0366	0.0319	0.0330	0.0259	0.0436	0.0371	0.0178	e0.0184	---
13	0.0107	0.0663	e0.0384	0.0390	0.0312	0.0313	0.0241	0.0427	0.0368	0.0239	e0.0184	---
14	0.0116	0.0710	e0.0365	0.0371	0.0317	0.0281	0.0234	0.0425	e0.0367	0.0138	e0.0184	---
15	0.0124	0.0712	e0.0365	0.0336	0.0330	0.0274	0.0241	0.0416	e0.0366	0.0135	e0.0184	---
16	0.0163	0.0738	e0.0365	0.0347	0.0323	0.0257	0.0243	0.0413	e0.0365	0.0137	e0.0186	---
17	0.0151	0.0809	e0.0347	0.0347	0.0318	0.0237	0.0246	0.0408	e0.0364	0.0147	e0.0186	---
18	0.0166	0.0866	e0.0309	0.0333	0.0307	0.0220	0.0226	0.0403	e0.0363	0.0151	e0.0186	---
19	0.0167	0.0900	0.0296	0.0303	0.0322	0.0223	0.0220	0.0402	0.0361	0.0154	e0.0186	---
20	0.0165	e0.0900	0.0295	0.0279	0.0330	0.0207	0.0220	0.0448	0.0354	0.0159	e0.0186	---
21	0.0166	e0.0860	0.0283	0.0254	0.0327	0.0213	0.0204	0.0455	0.0352	0.0161	e0.0186	---
22	0.0162	e0.0820	0.0272	0.0240	0.0337	0.0206	0.0206	0.0448	0.0343	0.0162	e0.0186	---
23	0.0165	e0.0800	0.0262	0.0229	0.0369	0.0209	0.0226	0.0458	0.0340	0.0170	e0.0186	---
24	0.0174	e0.0800	0.0266	e0.0230	0.0392	0.0197	0.0274	0.0489	e0.0319	e0.0180	e0.0188	---
25	0.0176	0.0790	0.0264	0.0217	0.0420	0.0199	0.0330	0.0491	e0.0277	e0.0180	e0.0188	---
26	0.0175	0.0803	0.0258	0.0236	0.0434	0.0198	0.0330	0.0478	e0.0235	e0.0180	e0.0188	---
27	0.0189	e0.0800	0.0265	0.0212	0.0338	0.0190	0.0336	0.0462	e0.0193	e0.0180	e0.0188	---
28	0.0229	e0.0800	0.0274	0.0201	0.0329	0.0189	0.0400	0.0435	0.0172	e0.0180	0.0192	---
29	e0.0365	e0.0800	0.0284	0.0198	---	0.0198	0.0441	0.0423	0.0167	e0.0180	0.0191	---
30	0.0366	e0.0800	0.0289	0.0204	---	0.0200	0.0456	0.0464	0.0163	e0.0180	0.0190	---
31	0.0338	---	0.0314	0.0220	---	0.0207	---	0.0431	---	e0.0182	0.0189	---
TOTAL	0.5237	1.9849	1.2521	0.9463	0.8597	0.8314	0.8016	1.3740	1.0143	0.5109	0.5748	---
MEAN	0.017	0.066	0.040	0.031	0.031	0.027	0.027	0.044	0.034	0.016	0.019	---
MAX	0.0366	0.0900	0.0796	0.0390	0.0434	0.0386	0.0456	0.0491	0.0415	0.0239	0.0192	---
MIN	0.0105	0.0349	0.0258	0.0198	0.0193	0.0189	0.0204	0.0402	0.0163	0.0135	0.0182	---
AC-FT	1.0	3.9	2.5	1.9	1.7	1.6	1.6	2.7	2.0	1.0	1.1	---

e Estimated

CARSON RIVER BASIN

10308794 – BRYANT CREEK BELOW CONFLUENCE, NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°44'12", long 119°38'39", in SW $^1/_4$ SW $^1/_4$ 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.—12.36 mi^2.

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 including estimated daily discharges. See schematic diagram of Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 44 ft^3/s, April 19, 1999, gage height, 5.35 ft, maximum gage height, 7.39 ft, November 12, 2000, backwater from ice; minimum daily, 0.62 ft^3/s, August 17, 2002.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 40 ft^3/s or maximum:

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 9	0830	Unknown	a7.36	Apr 4	1830	14	4.81

a Backwater from ice

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	1.4	e1.7	2.5	2.0	2.4	7.3	3.0	2.0	0.95	1.1	0.70
2	1.5	1.4	e1.7	3.0	1.9	2.6	8.1	2.9	2.0	0.95	1.0	0.67
3	1.5	1.4	e1.7	3.0	1.9	3.4	8.7	2.9	2.0	0.94	0.86	0.67
4	1.3	1.4	e1.7	2.7	1.8	2.7	9.5	2.8	1.9	0.94	0.80	1.0
5	e1.2	1.4	e1.7	2.7	1.8	2.2	8.7	2.7	1.8	0.91	0.80	1.0
6	e1.2	1.4	e1.7	4.2	1.9	2.5	8.0	2.6	1.7	0.90	0.80	1.1
7	e1.2	1.4	e1.7	4.0	1.9	2.4	7.6	2.6	1.7	0.86	0.80	1.0
8	e1.2	1.4	e1.7	3.4	1.9	3.1	7.5	2.5	1.7	0.85	0.77	0.81
9	e1.2	1.4	e1.7	3.0	1.8	e4.0	7.9	2.5	1.7	0.81	0.73	0.82
10	e1.2	1.5	e1.7	2.7	1.8	2.5	7.7	2.5	1.7	0.76	0.71	0.95
11	e1.2	1.6	e1.6	2.6	1.9	3.1	7.7	2.4	1.7	0.75	0.69	0.79
12	e1.2	1.5	e1.6	2.6	2.0	5.3	7.4	2.4	1.6	0.83	0.75	0.77
13	e1.2	1.5	e1.6	2.4	2.0	3.4	6.9	2.3	1.6	2.1	1.0	0.75
14	e1.2	1.5	e1.6	2.6	2.1	2.9	7.1	2.3	1.5	1.2	0.86	0.68
15	e1.2	1.5	e1.6	1.9	2.1	e3.1	6.2	2.3	1.4	1.1	0.92	0.64
16	e1.2	1.4	e1.6	e1.8	2.1	e3.1	4.9	2.3	1.3	0.81	0.74	0.70
17	e1.2	1.5	e1.6	e1.8	2.0	2.9	4.9	2.2	1.3	1.0	0.62	0.86
18	e1.2	1.5	e1.6	e1.8	2.0	2.5	4.3	2.2	1.3	1.2	0.62	0.93
19	e1.2	1.5	e1.6	e1.8	2.2	2.7	4.2	2.2	1.3	1.0	0.65	0.93
20	e1.2	1.5	e1.8	e1.8	2.9	2.8	4.4	2.4	1.3	0.93	0.77	0.91
21	e1.2	1.7	e2.0	e1.8	2.9	3.6	4.5	2.3	1.4	0.94	0.72	0.74
22	1.2	2.3	2.3	e1.8	3.2	3.6	3.9	2.3	1.4	0.87	0.69	0.70
23	1.4	1.7	2.3	1.8	2.7	3.7	3.7	2.3	1.3	1.0	0.81	0.77
24	1.4	3.5	2.2	e1.8	2.4	3.4	3.5	2.2	1.2	1.1	0.70	1.0
25	1.3	1.5	2.3	e1.9	2.3	3.8	3.4	2.1	1.2	1.0	0.65	0.96
26	1.3	1.5	2.4	e1.9	2.4	4.5	4.2	2.1	1.2	1.3	0.69	0.87
27	1.3	1.7	2.4	e1.9	2.4	4.7	3.7	2.1	1.1	1.00	0.87	0.82
28	1.4	e1.7	2.4	2.0	2.5	5.0	3.3	2.0	1.1	0.77	0.90	0.84
29	1.4	e1.7	2.8	2.0	---	5.9	3.4	2.0	1.0	0.89	1.0	0.86
30	1.7	e1.7	2.5	1.9	---	6.6	3.3	1.9	0.98	0.95	0.78	0.90
31	1.5	---	3.0	1.9	---	6.9	---	1.9	---	0.93	0.75	---
TOTAL	39.8	48.1	59.8	73.0	60.8	111.3	175.9	73.2	44.38	30.54	24.55	25.14
MEAN	1.284	1.603	1.929	2.355	2.171	3.590	5.863	2.361	1.479	0.985	0.792	0.838
MAX	1.7	3.5	3.0	4.2	3.2	6.9	9.5	3.0	2.0	2.1	1.1	1.1
MIN	1.2	1.4	1.6	1.8	1.8	2.2	3.3	1.9	0.98	0.75	0.62	0.64
AC-FT	79	95	119	145	121	221	349	145	88	61	49	50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1.775	1.998	2.162	2.575	3.149	4.787	7.702	6.608	2.602	1.479	1.398	1.614
MAX	2.47	2.59	2.48	3.26	4.78	6.94	15.6	19.2	6.12	2.61	2.53	2.66
(WY)	2000	2000	2000	1999	1999	1999	1999	1999	1999	1999	1999	1999
MIN	1.28	1.60	1.85	1.77	2.06	3.53	4.03	1.91	1.09	0.99	0.79	0.84
(WY)	2002	2002	2001	2001	2001	2001	2001	2001	2001	2002	2002	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1999 - 2002	
ANNUAL TOTAL	677.98		766.51			
ANNUAL MEAN	1.857		2.100		2.261	
HIGHEST ANNUAL MEAN					2.79	2000
LOWEST ANNUAL MEAN					1.89	2001
HIGHEST DAILY MEAN	9.1	Apr 23	9.5	Apr 4	29	Apr 21 1999
LOWEST DAILY MEAN	0.74	Aug 2	0.62	Aug 17	0.62	Aug 17 2002
ANNUAL SEVEN-DAY MINIMUM	0.79	Aug 1	0.69	Aug 16	0.69	Aug 16 2002
MAXIMUM PEAK FLOW			14	Apr 4	44	Apr 19 1999
MAXIMUM PEAK STAGE			a7.36	Mar 9	7.39	Nov 12 2000
ANNUAL RUNOFF (AC-FT)	1340		1520		1640	
10 PERCENT EXCEEDS	3.0		3.7		3.9	
50 PERCENT EXCEEDS	1.6		1.7		1.9	
90 PERCENT EXCEEDS	0.93		0.81		0.95	

e Estimated
a Backwater from ice.

CARSON RIVER BASIN

10308800 BRYANT CREEK NEAR GARDNERVILLE, NV

LOCATION.--Lat 38°47'38", long 119°40'18", in NE $^1/_4$ NW $^1/_4$ 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 mi^2.

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 NGVD 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,360 ft^3/s, January 2, 1997, gage height, 8.70 ft; minimum daily, 1.4 ft^3/s, December 25, 1962.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
April 2	1930	*15	*5.26				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	2.7	2.6	3.3	e3.7	e3.6	9.4	4.9	3.8	1.9	2.1	1.9
2	2.1	2.7	3.5	3.4	e3.6	e3.6	9.8	4.7	3.8	1.8	2.1	1.8
3	2.2	2.7	2.0	4.1	e3.5	e3.6	8.8	4.5	3.7	1.8	2.0	1.8
4	2.0	2.7	2.3	3.1	e3.4	e3.6	9.8	4.4	3.5	1.7	1.8	2.0
5	2.0	2.7	2.8	3.7	e3.3	3.6	9.5	4.3	3.3	1.7	1.7	2.1
6	2.0	2.7	3.1	4.5	e3.3	4.1	8.5	4.2	3.2	1.7	1.8	2.1
7	2.1	2.7	3.0	4.8	3.2	4.0	7.8	4.2	3.1	1.6	1.8	2.1
8	2.1	2.7	2.8	4.5	3.2	3.4	7.7	4.1	3.1	1.6	1.8	1.9
9	2.6	2.7	3.0	4.2	e3.2	3.9	7.9	4.1	3.2	1.6	1.7	1.8
10	2.8	2.8	2.9	3.9	e3.2	4.1	7.7	4.0	3.3	1.5	1.6	2.0
11	2.9	2.8	2.8	3.6	3.2	4.4	7.6	4.0	3.2	1.5	1.6	1.9
12	2.8	2.8	2.7	3.8	3.1	6.3	7.4	3.9	3.1	1.6	1.6	1.8
13	2.7	2.8	2.7	3.2	3.1	5.4	6.8	3.8	2.9	2.6	1.9	1.8
14	2.7	2.8	2.8	3.3	3.2	3.9	6.9	3.8	2.8	3.0	1.8	1.8
15	2.5	2.8	e2.7	2.6	3.3	e3.9	6.6	3.7	2.8	2.3	1.8	1.7
16	2.5	2.8	2.7	2.7	3.3	e4.0	5.5	3.6	2.7	1.9	1.7	1.9
17	2.4	2.8	3.0	2.8	3.4	4.0	5.6	3.5	2.6	2.1	1.5	2.0
18	2.7	2.8	2.7	e2.9	3.2	e3.9	5.1	3.4	2.6	2.5	1.5	2.1
19	3.0	2.8	2.7	3.0	3.3	3.8	5.1	3.4	2.5	2.2	1.6	2.2
20	3.0	2.8	2.9	3.2	4.0	4.3	5.2	4.5	2.5	2.0	1.7	2.2
21	3.0	2.9	2.7	3.6	4.1	4.7	5.7	4.6	2.7	2.0	1.8	2.1
22	3.0	3.5	2.8	3.3	4.3	5.2	5.3	4.5	2.6	1.9	1.8	2.0
23	3.0	3.0	2.8	e3.3	4.3	5.4	5.0	4.5	2.4	1.9	1.9	2.0
24	3.0	4.5	2.6	e3.4	3.9	5.1	4.9	4.3	2.3	1.9	1.8	2.2
25	2.9	2.7	2.4	3.5	3.8	5.2	4.9	4.2	2.3	1.9	1.8	2.2
26	2.8	2.2	2.9	3.5	3.7	6.0	5.7	4.2	2.3	2.0	1.8	2.3
27	2.8	2.5	3.0	3.3	3.9	6.4	5.4	4.1	2.1	2.0	2.0	2.3
28	2.7	2.6	3.0	2.9	3.6	6.7	5.0	4.0	2.1	1.6	2.0	2.3
29	2.7	2.8	3.2	e4.0	---	7.4	5.2	3.9	2.0	1.6	2.1	2.4
30	2.7	2.5	3.2	e3.9	---	8.4	5.1	3.8	1.9	1.8	2.0	2.4
31	2.9	---	3.5	e3.8	---	9.0	---	3.7	---	1.7	1.9	---
TOTAL	80.5	84.3	87.8	109.1	98.3	150.9	200.9	126.8	84.4	58.9	56.0	61.1
MEAN	2.597	2.810	2.832	3.519	3.511	4.868	6.697	4.090	2.813	1.900	1.806	2.037
MAX	3.0	4.5	3.5	4.8	4.3	9.0	9.8	4.9	3.8	3.0	2.1	2.4
MIN	1.9	2.2	2.0	2.6	3.1	3.4	4.9	3.4	1.9	1.5	1.5	1.7
AC-FT	160	167	174	216	195	299	398	252	167	117	111	121

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

MEAN	3.226	3.516	4.013	8.721	7.386	14.49	19.43	21.50	9.006	3.992	3.086	3.159
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	2.32	2.15	2.25	2.23	3.06	4.32	5.75	3.46	2.09	1.83	1.73	1.84
(WY)	1962	1962	1962	1962	1964	1964	2001	2001	2001	1961	1994	1961

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1961 - 2002	
ANNUAL TOTAL	1126.4		1199.0			
ANNUAL MEAN	3.086		3.285		8.638	
HIGHEST ANNUAL MEAN					20.0	1969
LOWEST ANNUAL MEAN					3.22	2001
HIGHEST DAILY MEAN	11	Apr 23	9.8	Apr 2	600	Jan 2 1997
LOWEST DAILY MEAN	1.6	Jul 26	1.5	Jul 10	1.4	Dec 25 1962
ANNUAL SEVEN-DAY MINIMUM	1.7	Jul 24	1.6	Jul 6	1.6	Sep 7 1961
MAXIMUM PEAK FLOW			15	Apr 2	1360	Jan 2 1997
MAXIMUM PEAK STAGE			5.26	Apr 2	8.70	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	2230		2380		6260	
10 PERCENT EXCEEDS	4.7		5.1		18	
50 PERCENT EXCEEDS	2.8		2.9		4.1	
90 PERCENT EXCEEDS	1.8		1.8		2.5	

e Estimated

CARSON RIVER BASIN

10309000 EAST FORK CARSON RIVER NEAR GARDNERVILLE, NV

LOCATION.--Lat 38°50'42", long 119°42'13", in NW 1/4 SE 1/4 sec.2, 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 mi^2.

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 NGVD 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 fair 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,300 ft^3/s, January 2, 1997, gage height, 13.00 ft; minimum daily, 11 ft^3/s, September 4, 1997.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
April 15	0130	*1790	*6.09	May 31	0330	1520	5.80
May 19	0100	1690	5.99				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	64	69	144	e96	172	378	430	1320	262	99	67
2	47	57	111	e146	e96	153	429	412	1140	249	103	66
3	47	56	91	186	e96	147	505	451	952	236	101	63
4	47	54	76	134	e96	156	637	592	938	219	96	62
5	46	52	87	124	96	156	741	733	e1000	204	87	67
6	46	46	72	160	102	176	679	865	e920	192	84	69
7	46	48	77	216	91	196	618	982	912	183	83	77
8	43	47	92	190	96	148	636	943	865	172	100	71
9	41	46	80	170	85	159	694	905	733	171	102	68
10	43	46	79	151	87	171	730	881	602	166	97	66
11	43	48	75	134	90	164	816	699	565	155	78	72
12	44	52	73	136	90	193	942	717	549	156	80	68
13	45	57	73	126	91	216	963	820	565	164	73	61
14	45	50	74	122	94	180	1160	990	596	155	76	59
15	44	50	76	125	96	147	1420	1060	552	144	76	57
16	44	49	e75	111	97	155	845	1170	527	131	77	56
17	44	48	e75	e111	107	150	669	1220	499	123	75	56
18	44	46	74	e110	96	143	560	1440	500	130	71	55
19	46	45	83	110	99	136	501	1370	521	139	68	55
20	46	44	78	e108	121	158	455	1110	484	121	63	55
21	45	45	80	e101	138	162	440	851	471	112	76	55
22	43	121	74	e96	147	178	450	703	434	104	70	53
23	43	93	72	91	178	200	479	628	404	100	64	53
24	43	137	73	e92	164	188	527	613	391	100	62	52
25	43	139	70	e94	154	189	573	673	366	97	61	56
26	44	75	75	95	158	204	705	742	359	92	61	54
27	43	87	75	94	168	217	620	860	346	87	60	47
28	44	67	81	e95	166	226	532	900	319	88	65	46
29	43	75	91	e95	---	245	504	1020	298	88	74	46
30	45	60	110	e96	---	295	469	1220	285	93	74	50
31	74	---	164	e96	---	339	---	1290	---	91	71	---
TOTAL	1402	1904	2555	3859	3195	5719	19677	27290	18413	4524	2427	1782
MEAN	45.23	63.47	82.42	124.5	114.1	184.5	655.9	880.3	613.8	145.9	78.29	59.40
MAX	74	139	164	216	178	339	1420	1440	1320	262	103	77
MIN	41	44	69	91	85	136	378	412	285	87	60	46
AC-FT	2780	3780	5070	7650	6340	11340	39030	54130	36520	8970	4810	3530

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1890 - 2002, BY WATER YEAR (WY)

MEAN	99.32	139.1	177.0	193.3	226.1	305.4	609.7	1199	1019	413.9	153.4	104.8
MAX	416	1110	1127	1789	947	1038	1140	2541	3056	1794	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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1890 - 2002	
ANNUAL TOTAL	72033		92747			
ANNUAL MEAN	197.4		254.1		381.5	
HIGHEST ANNUAL MEAN					905	1893
LOWEST ANNUAL MEAN					91.6	1977
HIGHEST DAILY MEAN	1350	May 12	1440	May 18	17000	Jan 2 1997
LOWEST DAILY MEAN	29	Sep 9	41	Oct 1	11	Sep 4 1977
ANNUAL SEVEN-DAY MINIMUM	33	Sep 5	43	Oct 22	12	Sep 2 1977
MAXIMUM PEAK FLOW			1790	Apr 15	20300	Jan 2 1997
MAXIMUM PEAK STAGE			6.09	Apr 15	13.00	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	142900		184000		276400	
10 PERCENT EXCEEDS	541		733		1060	
50 PERCENT EXCEEDS	74		102		160	
90 PERCENT EXCEEDS	43		47		58	

e Estimated

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1993 to September 1996, February to September, 2002.
WATER TEMPERATURE: July 1955 to June 1966, November 1966 to September 1972, November 1993 to September 1996, and February to September 2002.

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 Februrary to September 2002, 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, September 28, 29, 1994; minimum daily, 24 microsiemens, May 17, 1996.
WATER TEMPERATURE: Maximum daily, 29.5°C, August 7, 1960; minimum daily, freezing point on many days during winter months of most years.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 242 microsiemens, September 29; minimum daily, 46 microsiemens, May 18, 19 but may have been higher before monitor was installed.
WATER TEMPERATURE: Maximum, 26.0°C, July 10, 28, 30, and 31; minimum, freezing point on many days during March but probably occurred during winter months before monitor was installed.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	176	171	173	140	127	131	92	65	85
2	---	---	---	181	171	174	131	118	121	92	62	82
3	---	---	---	183	173	177	121	106	110	94	77	90
4	---	---	---	183	172	177	111	93	98	89	77	80
5	---	---	---	179	175	176	101	85	89	79	67	71
6	---	---	---	177	167	175	94	87	90	72	61	65
7	---	---	---	175	166	170	95	90	92	65	57	60
8	---	---	---	188	168	178	95	87	90	65	56	60
9	---	---	---	188	176	183	91	83	86	66	60	63
10	---	---	---	187	175	180	88	82	85	66	60	63
11	---	---	---	189	179	182	87	79	82	71	65	68
12	---	---	---	186	182	185	83	73	77	70	64	68
13	---	---	---	185	176	179	78	71	74	68	61	64
14	---	---	---	184	180	182	77	62	70	63	55	59
15	---	---	201	195	165	186	68	57	61	59	53	56
16	203	198	201	195	184	190	78	65	72	59	52	55
17	203	198	199	191	180	186	84	76	80	57	51	54
18	205	195	199	192	185	188	89	76	85	54	46	50
19	205	200	202	197	186	190	94	75	89	55	46	50
20	204	197	201	196	185	189	100	84	96	58	52	55
21	201	193	196	189	186	187	102	95	99	65	58	62
22	195	192	194	190	183	187	101	94	98	70	64	67
23	192	180	186	184	175	178	99	87	92	74	69	71
24	186	179	182	184	174	179	92	78	84	73	70	71
25	186	184	185	191	180	185	85	71	81	73	66	68
26	184	181	182	188	181	185	81	71	74	68	63	65
27	182	175	179	184	179	181	80	74	78	65	58	60
28	177	174	175	181	172	176	85	73	81	---	---	---
29	---	---	---	174	165	169	86	81	84	---	---	---
30	---	---	---	167	149	155	90	80	87	---	---	---
31	---	---	---	150	138	142	---	---	---	---	---	---
MONTH	---	---	---	197	138	179	140	57	88	---	---	---

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	155	149	152	196	191	193
2	---	---	---	---	---	---	151	149	150	197	193	195
3	---	---	---	---	---	---	154	150	152	201	196	198
4	---	---	---	104	99	102	155	152	153	202	200	201
5	---	---	---	107	102	105	161	153	157	202	189	196
6	---	---	---	110	106	108	165	161	163	191	187	189
7	---	---	---	114	109	111	166	162	164	191	183	186
8	---	---	---	116	111	113	167	155	161	192	184	187
9	---	---	---	121	114	117	160	150	154	197	191	194
10	---	---	---	120	116	118	162	157	160	199	193	196
11	---	---	---	122	117	120	183	162	171	199	192	197
12	---	---	---	124	121	123	192	183	188	195	183	189
13	---	---	---	125	117	123	198	192	195	208	195	201
14	---	---	---	126	122	124	199	197	198	211	204	207
15	---	---	---	129	126	127	198	193	194	214	208	211
16	---	---	---	132	128	130	193	190	192	216	211	213
17	---	---	---	137	132	134	193	190	192	216	212	214
18	---	---	---	137	134	135	198	191	194	217	212	214
19	---	---	---	137	129	133	198	187	192	217	213	215
20	---	---	---	140	134	137	187	183	185	220	214	217
21	---	---	---	143	140	142	184	164	175	223	217	219
22	---	---	---	149	143	146	169	159	163	226	220	222
23	---	---	---	152	147	149	181	168	175	228	222	225
24	---	---	---	153	151	152	183	169	180	231	224	227
25	---	---	---	156	152	154	185	180	182	230	225	227
26	---	---	---	158	154	156	187	182	184	227	219	223
27	---	---	---	161	157	159	189	184	186	234	226	229
28	---	---	---	162	158	160	193	185	189	239	233	235
29	---	---	---	159	156	158	194	187	190	242	237	239
30	---	---	---	160	152	156	187	184	186	241	236	238
31	---	---	---	155	152	153	192	185	188	---	---	---
MONTH	---	---	---	---	---	---	199	149	176	242	183	210

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	7.0	1.5	4.5	11.5	5.5	8.5	9.0	4.0	6.5
2	---	---	---	6.5	0.0	3.5	11.5	5.5	8.5	12.5	5.0	9.0
3	---	---	---	7.0	0.0	3.5	11.5	5.5	9.0	13.5	7.5	10.5
4	---	---	---	8.0	1.0	4.5	11.0	5.0	8.0	12.5	7.0	10.5
5	---	---	---	8.0	3.0	5.5	9.0	4.5	7.0	12.5	6.0	9.5
6	---	---	---	8.0	4.5	6.0	10.0	4.5	7.5	12.5	6.0	9.5
7	---	---	---	6.5	2.0	4.5	10.5	4.5	8.0	12.0	6.0	9.0
8	---	---	---	7.0	0.0	3.5	9.5	5.5	8.0	10.5	4.0	7.5
9	---	---	---	7.0	1.0	4.0	9.5	6.0	7.5	11.5	5.5	8.5
10	---	---	---	5.5	2.0	4.0	11.0	4.5	8.0	10.0	5.0	8.0
11	---	---	---	8.0	3.0	5.5	11.0	6.0	8.5	12.0	6.0	9.0
12	---	---	---	11.0	5.5	7.5	11.0	5.0	8.5	11.0	5.5	9.0
13	---	---	---	7.0	3.0	5.0	11.0	5.0	8.0	13.0	6.5	10.0
14	---	---	---	5.0	2.0	3.0	12.0	6.0	9.0	13.0	6.5	10.0
15	---	---	6.0	3.0	0.0	2.0	7.5	4.0	5.5	12.5	7.0	10.0
16	7.5	2.0	4.5	5.5	0.0	2.5	7.5	2.5	5.0	13.0	6.5	10.0
17	5.5	3.0	4.0	4.5	0.0	2.0	7.5	2.5	4.5	14.0	7.5	11.0
18	7.0	1.5	4.0	7.5	0.0	3.5	4.5	2.0	3.5	14.0	8.0	11.0
19	6.0	3.5	5.0	10.0	1.5	5.5	5.0	2.5	4.0	12.0	7.0	9.5
20	11.0	5.5	7.5	11.0	4.0	7.5	9.0	2.5	5.5	9.5	6.0	8.0
21	9.5	4.5	7.0	11.0	5.5	8.0	11.0	4.5	8.0	10.0	3.5	7.0
22	9.5	4.0	6.5	11.5	5.0	8.0	12.5	6.0	9.0	11.0	4.5	8.0
23	7.5	5.0	6.0	7.5	4.0	6.0	12.5	6.5	9.5	13.0	6.5	10.0
24	9.0	2.5	5.5	9.0	3.5	6.0	11.0	6.5	9.0	13.5	7.0	10.5
25	8.5	2.5	5.5	10.0	3.0	6.5	12.5	6.5	9.5	13.5	9.0	11.5
26	8.5	2.0	5.0	11.5	4.5	8.0	10.0	7.0	8.0	14.0	8.0	11.0
27	8.5	3.0	5.5	12.0	5.0	8.5	10.5	4.5	7.5	13.5	8.5	11.0
28	8.5	2.0	5.0	12.0	5.5	8.5	8.5	4.0	6.5	---	---	---
29	---	---	---	13.0	6.0	9.5	9.5	5.0	6.5	---	---	---
30	---	---	---	12.0	6.0	9.0	9.0	4.0	6.5	---	---	---
31	---	---	---	11.5	5.5	8.5	---	---	---	---	---	---
MONTH	---	---	---	13.0	0.0	5.6	12.5	2.0	7.4	---	---	---

CARSON RIVER BASIN

10309000 EAST FORK CARSON RIVER NEAR GARDNERVILLEVILLE, NV-- Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	23.5	17.5	20.5	24.0	15.5	19.5
2	---	---	---	---	---	---	22.5	16.5	19.5	23.5	15.5	19.5
3	---	---	---	---	---	---	24.0	16.5	20.0	22.0	16.0	18.5
4	---	---	---	23.0	15.0	18.5	22.5	15.5	18.5	21.0	15.0	17.5
5	---	---	---	23.5	15.5	19.5	22.0	15.5	18.5	20.0	14.5	17.0
6	---	---	---	24.0	16.0	20.0	22.5	13.5	17.5	19.0	14.5	16.5
7	---	---	---	24.0	17.0	20.5	22.5	13.0	17.5	18.5	11.0	15.0
8	---	---	---	24.0	15.0	19.5	22.5	13.0	18.0	20.0	11.5	15.5
9	---	---	---	25.0	15.5	20.0	22.5	13.5	18.0	19.5	10.5	15.0
10	---	---	---	26.0	17.0	21.5	23.5	14.5	19.0	20.0	11.0	15.5
11	---	---	---	24.5	18.0	21.5	23.0	15.5	19.5	21.0	12.0	16.5
12	---	---	---	23.0	18.5	20.5	25.0	16.0	20.5	21.5	12.5	17.0
13	---	---	---	22.0	17.0	19.5	25.5	16.5	21.0	21.5	13.0	17.5
14	---	---	---	25.5	17.5	21.5	25.0	17.5	21.5	20.5	13.5	17.0
15	---	---	---	25.5	17.5	21.5	25.0	17.0	21.0	20.0	13.5	16.5
16	---	---	---	24.5	17.5	21.0	25.5	17.5	21.5	19.5	11.5	15.5
17	---	---	---	21.0	18.0	19.5	23.5	16.5	20.5	19.0	12.5	15.5
18	---	---	---	20.5	16.0	18.0	24.0	15.0	19.5	19.0	11.5	15.0
19	---	---	---	24.0	14.0	19.0	23.0	15.0	19.0	19.5	11.0	15.0
20	---	---	---	25.5	16.5	21.0	21.0	14.0	17.5	20.5	11.5	16.0
21	---	---	---	24.0	18.0	21.5	21.5	12.0	17.0	21.0	13.0	17.0
22	---	---	---	25.0	16.5	20.5	22.5	13.5	18.0	21.0	12.5	16.5
23	---	---	---	24.0	15.0	19.5	22.5	13.5	18.0	21.0	12.5	16.5
24	---	---	---	24.5	15.5	20.0	23.0	13.0	18.0	20.0	13.0	16.5
25	---	---	---	24.5	16.0	20.0	22.5	14.0	18.5	20.0	12.5	16.0
26	---	---	---	25.0	15.0	20.0	23.0	13.5	18.0	19.0	11.0	15.0
27	---	---	---	25.5	16.0	20.5	22.0	13.0	18.0	16.0	12.0	13.5
28	---	---	---	26.0	16.5	21.5	22.0	13.5	18.0	18.0	11.0	13.5
29	---	---	---	25.5	16.5	21.0	22.5	15.0	18.5	17.0	9.5	13.0
30	---	---	---	26.0	17.5	22.0	23.0	15.5	19.5	16.5	9.5	12.5
31	---	---	---	26.0	17.5	22.0	23.5	15.5	19.5	---	---	---
MONTH	---	---	---	---	---	---	25.5	12.0	19.0	24.0	9.5	16.0

10309010 EAST FORK CARSON RIVER NEAR DRESSLERVILLE, NV

LOCATION--Lat 38°52'42", long 119°41'18", in NE 1/4 NW 1/4 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.

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

Date	Time	Sample type	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT													
15...	1000	ENVIRONMENTAL	E44	641	10.4	107	8.2	270	14.0	8.9	78	95	10.5
NOV													
19...	1000	ENVIRONMENTAL	E42	640	11.6	104	8.2	242	4.0	3.5	73	89	9.80
DEC													
18...	1030	ENVIRONMENTAL	E68	639	11.8	97	8.1	207	9.0	.2	67	82	6.62
JAN													
24...	1025	ENVIRONMENTAL	E92	644	12.7	103	7.4	212	1.0	.0	73	89	6.27
FEB													
19...	1030	ENVIRONMENTAL	E99	635	11.1	104	7.9	197	9.0	5.0	66	81	5.17
MAR													
21...	0950	ENVIRONMENTAL	E170	638	11.2	108	7.3	175	15.0	6.2	61	74	4.82
APR													
16...	1110	ENVIRONMENTAL	1110	631	11.8	108	6.9	72	15.0	3.8	27	33	1.48
MAY													
15...	1220	ENVIRONMENTAL	1530	636	9.8	105	7.2	60	22.0	10.5	23	28	.47
JUN													
10...	1035	**FIELD BLANK**	--	--	--	--	--	--	--	--	--	--	--
10...	1200	ENVIRONMENTAL	737	640	9.9	103	7.6	61	--	9.4	26	32	1.02
JUL													
09...	1030	ENVIRONMENTAL	E174	642	8.1	104	8.0	110	24.0	18.9	40	49	2.77
09...	1225	**SEQ. REPLICATE**	--	*643*	*8.3*	*108*	*8.2*	*113*	*25.0*	*19.5*	*41*	*50*	*2.88*
AUG													
20...	0950	ENVIRONMENTAL	E62	635	9.6	115	7.8	180	23.0	15.0	59	72	5.34
20...	1215	**PESTICIDE SPIKE**	--	--	--	--	--	--	--	--	--	--	--
SEP													
05...	1015	ENVIRONMENTAL	E66	636	9.4	114	7.7	202	--	15.8	62	76	6.55

Date	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,PAR TICULTE WAT FLT SUSP (MG/L AS N) (49570)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON, INOR-GANIC, PARTIC. TOTAL (MG/L AS C) (00688)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)
OCT													
15...	36.3	<.04	.12	<.05	<.008	.11	<.02	.014	.8	<.1	1.6	.8	<.002
NOV													
19...	33.1	<.04	.11	<.05	<.008	.14	<.02	.015	.8	<.1	1.2	.8	--
DEC													
18...	29.1	<.04	.12	<.05	<.008	.12	<.02	.017	.4	<.1	--	.4	<.002
JAN													
24...	26.1	<.04	<.10	<.05	<.008	.04	.03	.019	.5	<.1	--	.5	--
FEB													
19...	23.4	<.04	E.06	<.05	<.008	.00	<.02	.021	.9	.1	--	.8	<.006
MAR													
21...	18.5	<.04	.15	<.05	<.008	.05	<.02	.026	.7	.2	--	.5	<.006
APR													
16...	4.7	<.04	.23	E.02	<.008	.18	E.01	.084	3.9	<.1	--	3.9	--
MAY													
15...	2.9	<.04	.25	<.05	<.008	.04	<.02	.073	2.0	.2	--	1.8	<.006
JUN													
10...	--	*<.04*	*<.10*	*<.05*	*<.008*	*<.02*	*<.02*	*<.004*	*<.1*	*<.1*	*1.3*	*<.1*	*<.006*
10...	3.4	<.04	E.09	<.05	<.008	.02	E.01	.038	.3	<.1	2.2	.3	<.006
JUL													
09...	9.1	<.04	.12	<.05	<.008	<.02	E.01	.027	.2	<.1	--	.2	<.006
09...	*9.2*	*<.04*	*.11*	*<.05*	*<.008*	*<.02*	*E.01*	*.024*	*.5*	*<.1*	*3.0*	*.5*	*<.006*
AUG													
20...	20.1	<.04	.13	<.05	<.008	.09	<.02	.017	.4	<.1	--	.4	<.006
20...	--	--	--	--	--	--	--	--	--	--	--	--	*.126*
SEP													
05...	22.5	<.04	.32	<.05	<.008	.09	E.01	.037	.6	<.1	--	.5	--

CARSON RIVER BASIN

10309010 EAST FORK CARSON RIVER NEAR DRESSLERVILLE, NV--Continued

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

Date	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	[a] DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)
OCT													
15...	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	116
NOV													
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
18...	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	100
JAN													
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
19...	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	108
MAR													
21...	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	115
APR													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
15...	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	108
JUN													
10...	*<.006*	*<.004*	*<.005*	*<.007*	*<.010*	*<.002*	*<.041*	*<.020*	*<.005*	*<.018*	*<.003*	*<.006*	*107*
10...	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	117
JUL													
09...	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	84.3
09...	*<.006*	*<.004*	*<.005*	*<.007*	*<.010*	*<.002*	*<.041*	*<.020*	*<.005*	*<.018*	*<.003*	*<.006*	*87.6*
AUG													
20...	<.006	<.004	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	128
20...	*.168*	*.152*	*.141*	*.134*	*.082*	*.133*	*E.185*	*E.138*	*.118*	*.137*	*.114*	*E.096*	*126*
SEP													
05...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	[a] HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)
OCT													
15...	<.005	<.005	<.02	<.002	<.009	<.005	<.003	81.6	<.004	<.035	<.027	<.050	<.006
NOV													
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
18...	<.005	<.005	<.02	<.002	<.009	<.005	<.003	85.2	<.004	<.035	<.027	<.050	<.006
JAN													
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
19...	<.005	<.005	<.02	<.002	<.009	<.005	<.003	95.7	<.004	<.035	<.027	<.050	<.006
MAR													
21...	<.005	<.005	<.02	<.002	<.009	<.005	<.003	97.4	<.004	<.035	<.027	<.050	<.006
APR													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
15...	<.005	<.005	<.02	<.002	<.009	<.005	<.003	108	<.004	<.035	<.027	<.050	<.006
JUN													
10...	*<.005*	*<.005*	*<.02*	*<.002*	*<.009*	*<.005*	*<.003*	*103*	*<.004*	*<.035*	*<.027*	*<.050*	*<.006*
10...	<.005	<.005	<.02	<.002	<.009	<.005	<.003	107	<.004	<.035	<.027	<.050	<.006
JUL													
09...	<.005	<.005	<.02	<.002	<.009	<.005	<.003	86.7	<.004	<.035	<.027	<.050	<.006
09...	*<.005*	*<.005*	*<.02*	*<.002*	*<.009*	*<.005*	*<.003*	*83.8*	*<.004*	*<.035*	*<.027*	*<.050*	*<.006*
AUG													
20...	<.005	<.005	<.02	<.002	<.009	<.005	<.003	100	<.004	<.035	<.027	<.050	<.006
20...	*.157*	*.104*	*M*	*.121*	*.097*	*.112*	*.151*	*96.4*	*.148*	*.149*	*.118*	*E.242*	*.168*
SEP													
05...	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Date	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)
OCT													
15...	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01	<.004	<.010
NOV													
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
18...	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.01	<.004	<.010
JAN													
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
19...	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
MAR													
21...	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
APR													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
15...	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
JUN													
10...	*<.013*	*<.006*	*<.002*	*<.007*	*<.003*	*<.010*	*<.004*	*<.022*	*<.006*	*<.011*	*<.01*	*<.004*	*<.010*
10...	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
JUL													
09...	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
09...	*<.013*	*<.006*	*<.002*	*<.007*	*<.003*	*<.010*	*<.004*	*<.022*	*<.006*	*<.011*	*<.01*	*<.004*	*<.010*
AUG													
20...	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010
20...	*.146*	*.123*	*.125*	*.134*	*.073*	*.106*	*.119*	*.089*	*.076*	*<.011*	*.12*	*.137*	*.147*
SEP													
05...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TER-BUTHYL-AZINE, WATER, DISS, REC (UG/L) (04022)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT													
15...	<.011	<.02	<.011	<.02	<.034	<.02	--	<.005	<.002	<.009	91	2	E0.2
NOV													
19...	--	--	--	--	--	--	--	--	--	--	73	5	E0.6
DEC													
18...	<.011	<.02	<.011	<.02	<.034	<.02	--	<.005	<.002	<.009	82	4	E0.7
JAN													
24...	--	--	--	--	--	--	--	--	--	--	39	38	E9
FEB													
19...	<.011	<.02	<.005	<.02	<.034	<.02	U	<.005	<.002	<.009	89	5	E1
MAR													
21...	<.011	<.02	<.005	<.02	<.034	<.02	U	<.005	<.002	<.009	52	13	E6
APR													
16...	--	--	--	--	--	--	--	--	--	--	60	42	126
MAY													
15...	<.011	<.02	<.005	<.02	<.034	<.02	--	<.005	<.002	<.009	81	46	190
JUN													
10...	*<.011*	*<.02*	*<.005*	*<.02*	*<.034*	*<.02*	--	*<.005*	*<.002*	*<.009*	--	--	--
10...	<.011	<.02	<.005	<.02	<.034	<.02	--	<.005	<.002	<.009	87	12	23.9
JUL													
09...	<.011	<.02	<.005	<.02	<.034	<.02	--	<.005	<.002	<.009	88	4	E2
09...	*<.011*	*<.02*	*<.005*	*<.02*	*<.034*	*<.02*	--	*<.005*	*<.002*	*<.009*	--	--	--
AUG													
20...	<.011	<.02	<.005	<.02	<.034	<.02	--	<.005	<.002	<.009	72	5	E0.8
20...	*.144*	*.13*	*.079*	*.13*	*E.157*	*.06*	--	*.160*	*.121*	*.082*	--	--	--
SEP													
05...	--	--	--	--	--	--	--	--	--	--	90	6	E1

Abbreviations: SEQ., Sequential.
Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified
U -- Analyzed for, not detected

[a] Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

10310000 WEST FORK CARSON RIVER AT WOODFORDS, CA

LOCATION.--Lat 38°46'11", long 119°49'58", in NW 1/4 SE 1/4 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 mi^2.

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 NGVD 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,100 ft^3/s, January 1, 1997, gage height, 15.36 ft (present location); minimum daily, 5.3 ft^3/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 ft^3/s, on basis of slope-area measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge at 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 14	2245	*772	*12.77	No other peaks greater than base discharge			

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	17	22	27	24	48	145	194	258	60	22	13
2	12	15	21	29	e24	45	177	184	226	57	22	12
3	12	14	17	29	24	43	223	209	186	55	22	12
4	11	13	19	28	e24	43	291	248	182	51	21	12
5	12	12	22	29	24	43	309	287	189	47	20	13
6	12	12	23	35	24	50	287	308	190	45	18	13
7	12	12	23	37	24	35	279	325	179	42	18	14
8	12	12	23	40	22	43	287	311	167	40	18	14
9	12	12	23	37	24	45	332	294	144	37	18	13
10	12	12	23	35	24	37	346	279	124	36	18	13
11	12	15	23	32	25	44	354	248	118	34	18	23
12	12	18	23	33	26	51	370	253	117	35	17	26
13	12	19	23	30	26	53	377	271	123	37	17	21
14	12	18	21	31	26	48	481	305	130	34	23	13
15	12	17	28	28	26	50	502	317	119	32	28	12
16	12	16	23	28	27	50	322	327	113	31	25	12
17	12	16	23	e28	27	42	271	332	108	30	17	12
18	12	15	22	e28	27	44	230	357	113	31	16	13
19	12	14	22	27	28	41	202	320	118	32	16	12
20	12	14	22	e28	32	45	191	256	108	29	16	12
21	12	19	21	28	37	48	200	211	104	28	16	12
22	12	57	22	e29	42	56	212	180	98	27	17	12
23	12	29	22	e28	47	60	231	167	92	26	16	18
24	12	38	22	e27	44	53	249	158	90	25	16	27
25	12	30	23	26	45	49	276	166	86	24	16	26
26	12	25	23	25	46	49	315	177	88	24	19	20
27	12	25	23	25	48	55	268	195	79	23	23	13
28	12	23	24	e25	48	67	229	200	72	23	26	12
29	11	21	24	e24	---	84	225	221	67	23	28	13
30	16	22	25	e24	---	107	208	254	64	22	25	13
31	23	---	27	e24	---	125	---	269	---	22	14	---
TOTAL	385	582	702	904	865	1653	8389	7823	3852	1062	606	451
MEAN	12.42	19.40	22.65	29.16	30.89	53.32	279.6	252.4	128.4	34.26	19.55	15.03
MAX	23	57	28	40	48	125	502	357	258	60	28	27
MIN	11	12	17	24	22	35	145	158	64	22	14	12
AC-FT	764	1150	1390	1790	1720	3280	16640	15520	7640	2110	1200	895

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1901 - 2002, BY WATER YEAR (WY)

MEAN	27.14	39.68	46.73	53.36	56.86	77.92	207.5	376.5	258.0	105.9	48.22	30.73
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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1901 - 2002	
ANNUAL TOTAL	17500		27274			
ANNUAL MEAN	47.95		74.72		110.9	
HIGHEST ANNUAL MEAN					290	1907
LOWEST ANNUAL MEAN					26.1	1977
HIGHEST DAILY MEAN	314	May 1	502	Apr 15	5500	Jan 2 1997
LOWEST DAILY MEAN	11	Sep 2	11	Oct 4	5.3	Sep 2 1977
ANNUAL SEVEN-DAY MINIMUM	11	Sep 16	12	Oct 1	5.4	Sep 5 1977
MAXIMUM PEAK FLOW			772	Apr 14	8100	Jan 1 1997
MAXIMUM PEAK STAGE			12.77	Apr 14	15.36	Jan 1 1997
ANNUAL RUNOFF (AC-FT)	34710		54100		80320	
10 PERCENT EXCEEDS	136		248		296	
50 PERCENT EXCEEDS	22		27		45	
90 PERCENT EXCEEDS	12		12		17	

e Estimated

CARSON RIVER BASIN

10310400 DAGGETT CREEK NEAR GENOA, NV

LOCATION.--Lat 38°57'55", long 119°50'55", in SW $^1/_4$ NE $^1/_4$ 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 mi^2.

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 NGVD 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 63 ft^3/s, August 5, 1971, gage height, 2.78 ft; minimum daily, 0.38 ft^3/s, October 9, 1979.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 24	1130	*5.4	*1.00	July 18	1345	5.1	0.99

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.96	1.1	1.3	1.4	0.97	1.1	1.7	1.2	1.1	1.0	0.85	0.96
2	0.97	1.1	2.0	1.7	0.97	1.1	1.7	1.2	1.1	1.0	0.81	0.98
3	0.98	1.2	1.3	1.5	1.0	1.2	1.7	1.2	1.1	1.0	0.94	0.99
4	0.95	1.2	1.3	1.4	1.1	1.2	1.5	1.2	1.1	0.99	0.96	1.1
5	0.92	1.2	1.2	1.4	1.1	1.2	1.5	1.2	1.1	0.99	0.97	1.1
6	0.94	1.2	1.2	1.7	1.1	1.6	1.4	1.2	1.1	0.98	0.97	1.1
7	0.92	1.2	1.2	1.5	1.3	1.7	1.4	1.2	1.0	1.0	0.97	1.0
8	0.94	1.2	1.2	1.4	1.3	1.5	1.4	1.2	1.1	1.0	0.95	1.0
9	0.92	1.2	1.2	1.3	1.2	1.5	1.4	1.1	1.1	1.0	0.94	0.98
10	0.91	1.2	1.2	1.2	1.2	1.5	1.4	1.1	1.2	0.99	0.94	0.98
11	0.90	1.2	1.2	1.1	1.3	1.6	1.4	1.1	1.2	0.93	0.91	1.0
12	0.89	1.4	1.2	1.2	1.2	1.7	1.4	1.0	1.2	0.95	0.90	0.98
13	0.86	1.3	1.2	1.1	1.2	1.5	1.4	0.93	1.1	0.97	0.91	0.94
14	0.83	1.3	1.2	1.2	1.2	1.5	1.4	0.93	1.1	0.96	0.92	0.94
15	0.84	1.3	1.2	1.1	1.2	1.4	1.4	0.95	1.1	0.94	0.88	0.93
16	0.83	1.2	1.2	1.1	1.2	1.4	1.4	0.95	1.0	0.93	0.89	0.99
17	0.83	1.2	1.3	1.2	1.2	1.5	1.4	0.94	1.0	1.3	0.91	1.0
18	0.85	1.2	1.2	0.97	1.2	1.5	1.4	0.94	1.1	1.5	0.93	1.0
19	0.86	1.2	1.2	0.97	1.3	1.6	1.4	0.97	1.1	1.1	0.95	1.0
20	0.85	1.2	1.2	0.97	1.4	1.6	1.5	1.2	1.0	1.3	0.98	1.0
21	0.85	1.5	1.2	1.0	1.3	1.6	1.4	1.1	1.1	1.0	1.0	0.98
22	0.90	1.9	1.2	0.97	1.4	1.5	1.4	1.1	1.1	1.0	1.0	0.98
23	0.98	1.3	1.2	0.94	1.3	1.6	1.4	1.1	1.1	1.0	1.0	1.0
24	1.1	2.3	1.2	1.0	1.2	1.5	1.3	1.0	1.1	1.0	0.99	1.0
25	1.0	1.6	1.2	1.0	1.2	1.5	1.4	0.99	1.1	1.0	0.98	1.0
26	1.0	1.4	1.2	0.97	1.2	1.5	1.5	0.96	1.1	1.0	0.99	1.00
27	1.0	1.3	1.3	0.97	1.2	1.5	1.4	1.0	1.0	1.00	1.0	0.97
28	1.0	1.3	1.3	0.94	1.2	1.5	1.3	1.0	1.1	0.94	1.0	1.0
29	0.98	1.4	1.3	0.96	---	1.7	1.5	1.0	1.0	1.2	1.0	1.1
30	1.3	1.3	1.4	0.97	---	1.6	1.3	1.1	1.0	1.2	0.97	1.1
31	1.2	---	1.5	0.97	---	1.6	---	1.0	---	1.0	0.96	---
TOTAL	29.26	39.6	39.2	36.10	33.64	46.0	43.1	33.06	32.6	32.17	29.37	30.10
MEAN	0.944	1.320	1.265	1.165	1.201	1.484	1.437	1.066	1.087	1.038	0.947	1.003
MAX	1.3	2.3	2.0	1.7	1.4	1.7	1.7	1.2	1.2	1.5	1.0	1.1
MIN	0.83	1.1	1.2	0.94	0.97	1.1	1.3	0.93	1.0	0.93	0.81	0.93
AC-FT	58	79	78	72	67	91	85	66	65	64	58	60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2002, BY WATER YEAR (WY)

MEAN	1.367	1.661	1.575	1.860	1.854	2.079	2.142	2.519	2.342	1.771	1.546	1.349
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	1997	1970	1970	1997	1967	1983	1969	1969	1970
MIN	0.69	0.83	0.77	0.98	1.04	1.06	1.10	0.98	0.68	0.51	0.56	0.56
(WY)	1980	1980	1993	1989	1991	1977	1994	1990	1994	1994	1994	1979

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1966 - 2002		
ANNUAL TOTAL	451.83		424.20				
ANNUAL MEAN	1.238		1.162		1.877		
HIGHEST ANNUAL MEAN					3.57		1969
LOWEST ANNUAL MEAN					0.95		1994
HIGHEST DAILY MEAN	2.3	Apr 23	2.3	Nov 24	35	Jan 2	1997
LOWEST DAILY MEAN	0.83	Oct 14	0.81	Aug 2	0.38	Oct 9	1979
ANNUAL SEVEN-DAY MINIMUM	0.84	Oct 14	0.84	Oct 14	0.45	Jun 29	1994
MAXIMUM PEAK FLOW			5.4	Nov 24	63	Aug 5	1971
MAXIMUM PEAK STAGE			1.00	Nov 24	2.78	Aug 5	1971
INSTANTANEOUS LOW FLOW			0.65	Aug 2			
ANNUAL RUNOFF (AC-FT)	896		841		1360		
10 PERCENT EXCEEDS	1.6		1.5		3.3		
50 PERCENT EXCEEDS	1.2		1.1		1.5		
90 PERCENT EXCEEDS	0.91		0.94		0.89		

10310407 CARSON RIVER NEAR GENOA, NV

LOCATION.--Lat 39°00'45", long 119°49'48", in SW $^1/_4$ SE $^1/_4$ 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.-- mi^2.

PERIOD OF RECORD.--October 2001 to September 2002.

GAGE.--Water-stage recorder. Elevation of gage is 4,670 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Many diversions for irrigation above station. Intermittent pumping above gage for Genoa Lakes Golf Course. See schematic diagram of Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,280 ft^3/s, April 14, 2002, gage height, 11.23 ft; minimum daily, 6.8 ft^3/s, October 3, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,280 ft^3/s, April 14, gage height, 11.23 ft; minimum daily, 6.8 ft^3/s, October 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	32	84	221	129	193	305	326	996	49	15	12
2	6.9	28	160	201	122	175	296	265	919	44	13	12
3	6.8	34	250	244	122	157	354	300	735	32	13	12
4	6.9	35	146	218	119	156	460	373	672	16	13	20
5	7.0	36	110	191	118	160	589	492	680	21	13	18
6	7.0	38	158	207	122	164	568	584	708	24	14	12
7	7.5	34	151	268	125	255	527	654	682	23	15	12
8	7.1	37	129	253	156	201	543	682	625	19	18	12
9	6.9	38	126	237	122	179	606	660	548	30	13	12
10	7.1	38	124	223	114	191	657	644	453	17	14	10
11	7.9	37	121	209	119	180	649	589	410	19	13	11
12	7.8	43	115	202	124	201	754	609	334	18	13	11
13	7.6	53	113	199	120	240	777	637	359	16	13	10
14	8.2	57	134	193	119	229	828	696	397	25	13	12
15	9.1	56	112	176	119	194	1170	754	381	19	13	13
16	9.4	55	89	159	125	179	881	821	347	15	12	13
17	9.5	52	139	148	127	185	683	883	315	15	12	10
18	9.5	49	135	165	127	176	582	1030	281	21	12	10
19	10	51	121	131	120	174	496	1110	218	21	12	12
20	11	48	127	159	129	193	463	959	182	20	12	11
21	11	51	116	157	142	206	436	754	171	24	12	12
22	11	97	115	150	154	211	401	612	210	30	12	11
23	11	180	118	130	181	238	390	496	203	33	12	11
24	10	164	116	116	185	238	388	497	170	24	12	11
25	11	262	109	154	170	228	398	509	130	19	12	13
26	14	128	112	147	173	208	512	527	55	16	12	13
27	18	94	126	135	189	209	536	596	43	13	11	15
28	15	93	135	123	199	214	459	647	60	12	12	15
29	13	97	173	115	---	232	427	702	64	13	12	12
30	13	90	174	133	---	233	414	872	61	20	12	13
31	17	---	211	144	---	283	---	965	---	16	12	---
TOTAL	304.5	2107	4149	5508	3871	6282	16549	20245	11409	684	397	371
MEAN	9.82	70.2	134	178	138	203	552	653	380	22.1	12.8	12.4
MAX	18	262	250	268	199	283	1170	1110	996	49	18	20
MIN	6.8	28	84	115	114	156	296	265	43	12	11	10
AC-FT	604	4180	8230	10930	7680	12460	32820	40160	22630	1360	787	736

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

MEAN	9.82	70.2	134	178	138	203	552	653	380	22.1	12.8	12.4
MAX	9.82	70.2	134	178	138	203	552	653	380	22.1	12.8	12.4
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002
MIN	9.82	70.2	134	178	138	203	552	653	380	22.1	12.8	12.4
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2002 WATER YEAR	
ANNUAL TOTAL	71876.5	
ANNUAL MEAN	197	
HIGHEST DAILY MEAN	1170	Apr 15
LOWEST DAILY MEAN	6.8	Oct 3
ANNUAL SEVEN-DAY MINIMUM	7.0	Oct 2
MAXIMUM PEAK FLOW	1280	Apr 15
MAXIMUM PEAK STAGE	11.24	Apr 15
ANNUAL RUNOFF (AC-FT)	142600	
10 PERCENT EXCEEDS	600	
50 PERCENT EXCEEDS	123	
90 PERCENT EXCEEDS	12	

CARSON RIVER BASIN

10310447 AMBROSETTI POND NEAR GENOA, NV

LOCATION.--Lat 39°02'31", long 119°47'01", in SW $^1/_4$ SW $^1/_4$ 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 NGVD of 1929, from topographic map.

REMARKS.--Records good. See schematic diagram of Carson River Basin.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 5.80 ft, May 8; no contents in pond, October 1 through November 2.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	4.44	4.78	4.87	4.92	4.63	5.41	4.57	4.51	3.81	4.66
2	---	---	4.53	4.86	5.03	4.93	4.80	5.41	4.38	4.50	4.66	4.64
3	---	2.41	4.77	4.90	5.03	4.85	5.14	5.37	4.70	4.39	4.82	4.61
4	---	3.94	4.90	4.86	5.00	4.77	5.21	5.01	5.11	4.32	4.81	4.57
5	---	4.00	4.93	4.80	4.96	4.71	4.93	4.65	5.64	4.26	4.79	4.55
6	---	3.98	4.97	4.84	4.89	4.66	4.75	4.87	5.13	4.20	4.72	4.53
7	---	3.93	5.00	4.87	4.89	4.75	4.76	5.63	4.53	4.25	4.65	4.50
8	---	3.89	5.05	4.89	5.05	4.80	4.86	5.71	4.98	4.27	4.62	4.48
9	---	3.88	5.14	4.93	5.12	4.84	4.93	5.20	5.29	4.31	4.59	4.45
10	---	4.01	5.16	5.13	5.04	4.96	5.04	4.65	5.38	4.37	4.56	4.43
11	---	4.59	5.17	5.12	4.98	5.08	5.15	4.43	5.37	4.39	4.54	4.40
12	---	4.98	5.10	4.99	4.91	5.14	4.88	4.49	4.86	4.44	4.51	4.35
13	---	5.23	5.03	4.83	4.88	5.10	5.12	4.30	4.18	4.55	4.49	4.29
14	---	5.26	5.07	4.74	4.88	5.12	5.37	4.08	4.46	4.74	4.50	4.23
15	---	5.25	5.09	4.67	4.90	5.13	5.21	5.19	4.80	4.97	4.50	4.17
16	---	5.25	5.04	4.66	4.91	4.98	5.11	5.44	5.02	5.23	4.49	4.10
17	---	5.27	5.04	4.70	4.93	4.80	4.88	5.10	5.02	5.45	4.50	4.04
18	---	5.20	5.08	4.73	4.89	4.75	4.90	4.76	4.99	5.51	4.53	3.97
19	---	5.11	5.00	4.77	4.77	4.73	5.17	5.15	4.98	5.41	4.56	3.90
20	---	5.04	5.06	4.83	4.68	4.70	4.87	4.85	4.82	5.30	4.60	3.83
21	---	5.06	5.02	4.96	4.68	4.70	4.37	4.75	4.59	5.32	4.64	3.76
22	---	5.22	4.98	5.12	4.74	4.69	4.32	5.27	4.73	5.23	4.70	3.69
23	---	5.03	4.93	5.19	4.79	4.66	4.54	5.66	5.02	5.03	4.75	3.62
24	---	4.85	5.00	5.20	4.78	4.64	4.79	5.63	5.32	4.89	4.76	3.55
25	---	4.71	4.94	5.49	4.79	4.67	5.23	5.32	5.59	4.22	4.75	3.47
26	---	4.73	4.86	5.57	4.77	4.74	4.74	4.85	5.52	2.95	4.73	3.39
27	---	4.71	4.91	5.48	4.75	4.79	4.60	4.55	5.41	3.19	4.71	3.32
28	---	4.61	4.98	5.39	4.84	4.73	4.56	4.70	5.05	3.36	4.71	3.24
29	---	4.54	4.84	5.49	---	4.67	5.01	4.98	4.67	3.47	4.70	3.17
30	---	4.47	4.61	5.08	---	4.63	5.32	5.06	4.47	3.50	4.70	3.10
31	---	---	4.63	4.92	---	4.59	---	5.06	---	3.50	4.68	---
MAX	---	---	5.17	5.57	5.12	5.14	5.37	5.71	5.64	5.51	4.82	4.66
MIN	---	---	4.44	4.66	4.68	4.59	4.32	4.08	4.18	2.95	3.81	3.10

CARSON RIVER BASIN

10310448 AMBROSETTI POND OUTLET NEAR GENOA, NV

LOCATION.--Lat 39°02'32", long 119°47'00", in SW $^1/_4$ SW $^1/_4$ 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.--Indeterminate.

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

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

REMARKS.--Records poor. See schematic diagram of 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, 42 ft^3/s; May 8-11; no flow, October 1 through November 12 and August 8 through September 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	4.1	6.3	5.5	5.1	2.9	17	23	8.9	0.53	0.00
2	0.00	0.00	2.8	7.2	5.5	5.9	2.5	22	14	8.9	0.53	0.00
3	0.00	0.00	3.1	7.6	5.9	5.4	4.5	29	9.5	7.3	0.71	0.00
4	0.00	0.00	3.9	7.6	5.9	4.1	8.0	30	9.5	5.0	0.83	0.00
5	0.00	0.00	4.4	7.0	5.9	3.3	8.7	25	22	4.0	0.83	0.00
6	0.00	0.00	5.4	6.4	5.3	2.8	7.6	18	36	2.6	0.83	0.00
7	0.00	0.00	7.0	6.4	4.9	2.8	7.0	20	25	1.2	0.37	0.00
8	0.00	0.00	7.0	6.4	5.8	3.3	7.7	36	17	1.2	0.00	0.00
9	0.00	0.00	7.7	6.4	6.7	3.9	9.6	42	25	0.91	0.00	0.00
10	0.00	0.00	8.2	6.8	7.0	4.0	13	42	30	0.31	0.00	0.00
11	0.00	0.00	8.7	7.6	7.0	4.8	21	33	37	0.31	0.00	0.00
12	0.00	0.00	9.5	7.6	6.3	6.4	21	29	39	0.31	0.00	0.00
13	0.00	1.9	8.7	6.9	5.9	7.0	20	29	21	0.31	0.00	0.00
14	0.00	5.9	8.1	6.1	5.9	7.0	24	17	12	0.31	0.00	0.00
15	0.00	5.9	8.9	5.0	5.9	7.7	26	14	12	0.31	0.00	0.00
16	0.00	5.9	8.9	3.6	5.9	8.2	26	22	14	1.6	0.00	0.00
17	0.00	7.0	8.9	2.8	6.4	7.2	26	29	16	5.0	0.00	0.00
18	0.00	8.2	9.1	2.8	7.0	5.5	22	25	16	13	0.00	0.00
19	0.00	8.2	9.0	2.8	6.4	4.9	21	25	16	16	0.00	0.00
20	0.00	8.2	8.7	2.8	4.9	4.0	21	27	16	16	0.00	0.00
21	0.00	8.2	9.5	2.8	3.6	2.8	17	26	14	19	0.00	0.00
22	0.00	10	9.5	3.4	3.6	2.8	8.7	27	11	21	0.00	0.00
23	0.00	13	9.2	5.0	3.6	2.5	6.4	29	11	21	0.00	0.00
24	0.00	12	9.1	5.4	3.6	1.8	5.1	30	15	21	0.00	0.00
25	0.00	11	9.5	5.4	3.6	1.2	17	30	23	21	0.00	0.00
26	0.00	7.6	9.3	6.7	3.6	1.0	18	30	29	9.4	0.00	0.00
27	0.00	7.6	8.9	7.4	3.1	2.2	12	27	29	0.53	0.00	0.00
28	0.00	7.6	9.9	7.0	3.5	3.2	7.9	24	29	0.53	0.00	0.00
29	0.00	7.6	12	8.0	---	2.8	7.5	26	22	0.53	0.00	0.00
30	0.00	6.4	10	8.7	---	2.9	13	27	13	0.53	0.00	0.00
31	0.00	---	7.5	7.5	---	3.2	---	27	---	0.53	0.00	---
TOTAL	0.00	142.20	246.5	183.4	148.2	129.7	412.1	834	606.0	208.52	4.63	0.00
MEAN	0.000	4.74	7.95	5.92	5.29	4.18	13.7	26.9	20.2	6.73	0.15	0.000
MAX	0.00	13	12	8.7	7.0	8.2	26	42	39	21	0.83	0.00
MIN	0.00	0.00	2.8	2.8	3.1	1.0	2.5	14	9.5	0.31	0.00	0.00
AC-FT	0.00	282	489	364	294	257	817	1650	1200	414	9.2	0.00

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

MEAN	9.64	15.4	13.0	22.8	15.9	15.1	14.9	20.1	23.8	7.48	3.80	2.86
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	0.000	2.13	2.24	2.02	1.76	1.61	0.58	0.53	7.00	0.53	0.046	0.000
(WY)	2002	1993	1993	1993	1993	1993	1993	1993	1994	1994	2001	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1992 - 2002	
ANNUAL TOTAL	2931.16		2915.25			
ANNUAL MEAN	8.03		7.99		14.8	
HIGHEST ANNUAL MEAN					26.8	1997
LOWEST ANNUAL MEAN					7.99	2002
HIGHEST DAILY MEAN	55	Apr 24	42	May 8	200	Jan 27 1997
LOWEST DAILY MEAN	0.00	Sep 1	0.00	Oct 1	0.00	Jun 19 1994
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 1	0.00	Oct 1	0.00	Jun 19 1994
ANNUAL RUNOFF (AC-FT)	5810		5780		10750	
10 PERCENT EXCEEDS	17		24		30	
50 PERCENT EXCEEDS	7.0		5.8		10	
90 PERCENT EXCEEDS	0.00		0.00		0.05	

CARSON RIVER BASIN

10310500 CLEAR CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°06'48", long 119°47'50", in NE $^1/_4$ NW $^1/_4$ sec.1, 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 mi^2

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 NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. See schematic diagram of Carson River Basin.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 22	1000	12	1.57	Nov 24	1130	*19	*1.78
Dec 02	0645	15	1.67	Jan 02	2115	12	1.57
April 08	1015	12	1.60				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	2.6	4.7	6.6	3.7	5.3	7.2	5.2	3.2	1.9	1.8	1.7
2	1.7	2.7	9.6	7.5	3.5	5.2	7.4	5.1	3.2	1.9	1.7	1.7
3	1.7	2.7	6.2	7.5	3.6	5.2	7.8	4.9	3.2	2.0	1.7	1.7
4	1.7	2.7	5.6	6.3	3.8	5.2	8.0	5.0	3.1	2.0	1.7	1.7
5	1.7	2.8	5.4	6.3	4.3	5.2	8.0	5.2	3.0	2.0	1.7	1.8
6	1.8	2.8	6.0	7.8	4.8	6.6	7.8	5.2	2.8	2.0	1.7	1.7
7	1.9	2.7	5.8	7.0	5.3	6.7	7.5	5.3	2.8	2.0	1.7	1.7
8	1.8	2.8	5.4	6.7	5.8	6.3	7.5	5.1	2.8	1.9	1.7	1.7
9	1.8	2.7	5.4	6.2	5.1	6.1	7.6	5.0	2.8	1.9	1.7	1.7
10	1.9	2.8	5.2	6.0	4.9	6.2	7.4	5.0	2.7	1.9	1.7	1.7
11	2.0	2.9	5.1	5.9	5.0	6.2	7.4	4.8	2.7	1.9	1.8	1.7
12	2.0	3.4	5.0	5.8	5.0	6.3	7.5	4.8	2.6	2.0	1.8	1.7
13	1.8	3.5	5.1	5.7	5.0	6.1	7.3	5.0	2.5	2.1	1.8	1.7
14	1.8	3.2	5.4	5.6	5.2	6.2	7.4	5.0	2.3	2.2	1.7	1.7
15	1.8	3.2	5.3	5.4	5.1	5.9	7.0	5.0	2.2	2.1	1.8	1.7
16	1.8	3.1	5.2	5.3	5.1	5.8	6.2	4.8	2.2	2.0	1.7	1.7
17	1.9	3.0	6.0	5.2	5.2	5.8	6.4	4.9	2.2	3.2	1.7	1.8
18	2.0	3.2	5.5	5.4	5.0	5.9	6.3	4.8	2.1	3.4	1.8	1.8
19	2.0	3.1	5.3	5.3	5.5	5.9	6.1	4.7	2.2	2.7	1.8	1.8
20	1.8	3.2	5.4	5.2	6.3	6.0	6.1	4.6	2.2	2.3	1.8	1.7
21	1.9	3.9	5.2	5.2	5.7	6.0	5.9	4.8	2.2	2.0	1.8	1.7
22	2.1	7.3	5.3	5.0	5.6	5.9	5.7	4.7	2.1	1.9	1.7	1.7
23	2.0	4.6	5.2	5.0	5.7	6.2	5.4	4.3	2.1	1.8	1.7	1.7
24	2.1	8.3	5.1	5.1	5.6	6.0	5.1	4.2	2.0	1.8	1.7	1.7
25	2.1	5.5	5.1	4.9	5.6	5.8	5.1	4.1	2.0	1.8	1.7	1.7
26	2.1	4.8	5.2	4.9	5.6	5.8	5.3	4.0	2.0	1.8	1.7	1.7
27	2.1	4.6	5.3	4.9	5.5	5.8	5.4	3.8	2.0	1.8	1.7	1.7
28	2.2	4.8	5.9	4.8	5.4	6.1	5.2	3.7	2.0	1.8	1.7	1.8
29	2.3	5.0	6.0	4.7	---	6.4	5.6	3.6	2.0	1.8	1.7	2.0
30	2.8	4.6	6.3	4.1	---	6.7	5.4	3.5	2.0	1.8	1.7	1.9
31	3.0	---	7.8	4.1	---	6.9	---	3.4	---	1.8	1.7	---
TOTAL	61.4	112.5	175.0	175.4	141.9	185.7	198.0	143.5	73.2	63.5	53.6	52.0
MEAN	1.981	3.750	5.645	5.658	5.068	5.990	6.600	4.629	2.440	2.048	1.729	1.733
MAX	3.0	8.3	9.6	7.8	6.3	6.9	8.0	5.3	3.2	3.4	1.8	2.0
MIN	1.7	2.6	4.7	4.1	3.5	5.2	5.1	3.4	2.0	1.8	1.7	1.7
AC-FT	122	223	347	348	281	368	393	285	145	126	106	103

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2002, BY WATER YEAR (WY)

MEAN	3.090	4.441	5.671	7.105	7.272	8.279	9.304	8.372	5.262	3.094	2.437	2.489
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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1948 - 2002		
ANNUAL TOTAL	1444.6		1435.7				
ANNUAL MEAN	3.958		3.933		5.616		
HIGHEST ANNUAL MEAN					13.4		1997
LOWEST ANNUAL MEAN					2.09		1992
HIGHEST DAILY MEAN	9.6	Dec 2	9.6	Dec 2	198	Jan 2	1997
LOWEST DAILY MEAN	1.6	Sep 18	1.7	Oct 2	0.42	Aug 3	1992
ANNUAL SEVEN-DAY MINIMUM	1.6	Sep 18	1.7	Aug 2	0.44	Aug 3	1992
MAXIMUM PEAK FLOW			19	Nov 24	266	Jan 2	1997
MAXIMUM PEAK STAGE			1.79	Nov 24	3.94	Jan 2	1997
ANNUAL RUNOFF (AC-FT)	2870		2850		4070		
10 PERCENT EXCEEDS	6.1		6.3		11		
50 PERCENT EXCEEDS	3.7		3.9		4.2		
90 PERCENT EXCEEDS	1.8		1.7		1.6		

10311000 CARSON RIVER NEAR CARSON CITY, NV

LOCATION.--Lat 39°06'28", long 119°42'44", in SW $^1/_4$ NW $^1/_4$ sec.2, T.14 N., R.20 E., Carson City, 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 mi^2.

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 NGVD 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 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.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
April 15	1400	*1500	*4.61				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	52	83	239	153	193	288	416	1160	76	14	11
2	3.8	59	105	210	159	192	284	370	1100	61	13	10
3	4.2	57	220	239	204	182	316	362	870	53	13	9.5
4	3.2	60	161	256	159	177	402	400	757	39	11	12
5	2.7	56	104	215	143	181	561	500	745	29	11	16
6	2.8	54	122	222	157	178	649	632	782	32	15	18
7	3.3	54	140	272	142	242	632	718	750	32	25	15
8	3.5	54	125	281	157	232	560	769	674	31	20	14
9	3.7	55	117	263	151	196	635	796	608	23	16	13
10	4.5	57	120	248	138	206	760	765	500	25	19	13
11	5.1	57	120	234	138	207	761	689	450	19	18	13
12	4.9	58	119	223	143	211	860	683	378	23	14	9.5
13	6.2	67	117	219	143	244	932	733	352	24	15	7.1
14	7.5	76	123	212	144	251	946	759	376	22	15	6.6
15	8.9	74	157	203	144	229	1300	839	357	29	14	6.8
16	10	73	118	172	146	202	1150	e927	340	25	15	8.2
17	15	72	123	160	148	209	862	1020	318	23	12	8.3
18	18	72	141	e155	154	202	728	1170	290	35	8.2	5.9
19	20	74	130	152	150	199	625	1310	242	51	6.9	7.8
20	23	76	130	160	152	197	574	1180	202	50	6.6	14
21	27	81	133	162	163	215	533	943	169	50	7.3	14
22	27	100	126	159	170	216	464	745	193	57	8.0	13
23	29	147	128	e154	183	234	428	593	193	59	6.6	13
24	38	129	130	145	195	249	422	546	171	57	6.7	13
25	39	218	131	158	186	242	435	551	168	44	8.8	13
26	39	136	126	163	185	217	520	577	132	29	11	13
27	44	91	136	158	188	212	608	634	96	15	12	13
28	46	90	144	160	197	218	534	692	88	12	11	16
29	44	89	169	153	---	227	491	710	99	9.5	11	13
30	43	94	173	145	---	225	501	927	85	9.5	12	12
31	46	---	183	158	---	253	---	1090	---	14	10	---
TOTAL	575.9	2432	4154	6050	4492	6638	18761	23046	12645	1058.0	386.1	351.7
MEAN	18.6	81.1	134	195	160	214	625	743	422	34.1	12.5	11.7
MAX	46	218	220	281	204	253	1300	1310	1160	76	25	18
MIN	2.7	52	83	145	138	177	284	362	85	9.5	6.6	5.9
AC-FT	1140	4820	8240	12000	8910	13170	37210	45710	25080	2100	766	698

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2002, BY WATER YEAR (WY)

MEAN	97.8	206	285	369	390	419	610	1193	971	269	58.8	47.3
MAX	527	1693	1992	3171	2115	1573	1467	3129	4099	1764	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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1940 - 2002	
ANNUAL TOTAL	55988.8		80589.7			
ANNUAL MEAN	153		221		409	
HIGHEST ANNUAL MEAN					1142	1983
LOWEST ANNUAL MEAN					58.5	1977
HIGHEST DAILY MEAN	1070	May 13	1310	May 19	26100	Jan 3 1997
LOWEST DAILY MEAN	2.7	Oct 5	2.7	Oct 5	0.00	Sep 5 1992
ANNUAL SEVEN-DAY MINIMUM	3.2	Sep 5	3.3	Oct 3	1.5	Aug 24 1992
MAXIMUM PEAK FLOW			1500	Apr 15	30500	Jan 3 1997
MAXIMUM PEAK STAGE			4.61	Apr 15	18.43	Jan 3 1997
ANNUAL RUNOFF (AC-FT)	111100		159800		296500	
10 PERCENT EXCEEDS	405		678		1090	
50 PERCENT EXCEEDS	113		142		181	
90 PERCENT EXCEEDS	4.3		10		21	

e Estimated

CARSON RIVER BASIN

10311089 NORTH FORK KINGS CANYON DIVERSION NEAR CARSON CITY, NV

LOCATION.--Lat 39°09'18", long 119°48'58", in NE $^1/_4$ NW $^1/_4$ sec.23, T.15 N., R.19 E., Carson City, Hydrologic Unit 16050201, on left bank, 2.9 mi west of Carson Street off Kings Canyon Road.

DRAINAGE AREA--1.83 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 5,530 ft above NGVD 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5.7 ft^3/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.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.72	0.70	0.64	0.70	e0.70	0.75	0.77	0.67	0.50	1.4	1.3	1.1
2	0.38	0.72	0.88	0.71	e0.42	0.48	0.79	0.66	1.1	1.4	1.3	1.1
3	0.23	0.52	1.0	0.70	e0.70	e0.90	0.82	0.68	1.2	0.70	0.87	1.1
4	0.23	0.80	0.92	0.70	e0.70	0.86	0.92	0.45	0.93	0.44	1.3	1.1
5	0.34	0.81	0.82	0.44	e0.70	0.74	0.99	0.70	0.41	0.43	1.3	1.1
6	0.71	0.77	0.77	0.70	e0.70	0.76	0.66	0.71	0.27	0.63	1.3	1.1
7	0.74	0.74	0.77	0.70	e0.70	0.77	0.94	0.72	0.28	1.3	1.3	0.69
8	0.74	0.74	0.48	0.70	e0.60	0.77	0.95	0.70	0.47	1.3	1.3	1.1
9	0.46	0.74	0.74	0.70	e0.48	0.53	0.93	0.70	1.2	1.3	1.3	1.1
10	0.23	0.49	0.76	0.70	e0.55	0.77	0.91	0.70	1.2	0.69	0.87	1.1
11	0.23	0.74	0.77	0.70	e0.62	0.78	0.89	0.45	1.2	0.84	1.2	1.1
12	0.36	0.74	0.73	0.44	e0.70	0.80	0.92	0.70	0.71	1.3	1.2	1.1
13	0.74	0.74	0.70	0.70	0.78	0.80	0.70	0.70	0.41	0.89	1.2	1.1
14	0.74	0.74	0.69	0.70	0.74	0.79	1.1	0.70	0.42	1.3	1.3	0.67
15	0.67	0.74	0.71	e0.70	0.74	0.79	0.96	0.40	0.60	1.2	1.3	0.99
16	0.36	0.74	0.86	e0.70	0.49	0.54	0.74	0.21	1.2	1.2	1.3	0.99
17	0.20	0.55	0.70	e0.70	0.76	0.75	0.67	0.22	1.2	1.1	0.84	0.99
18	0.20	0.90	0.70	e0.70	0.77	0.86	0.69	0.35	1.3	1.1	1.2	0.99
19	0.38	0.92	0.70	0.53	0.78	0.85	0.67	0.70	0.74	1.2	1.2	0.99
20	0.67	0.92	0.70	0.69	0.78	0.85	0.42	0.71	0.45	0.83	1.2	0.99
21	0.67	0.96	0.70	0.70	0.77	0.86	0.66	0.72	0.45	1.3	1.2	0.64
22	0.67	1.0	0.44	0.70	0.77	0.86	0.63	0.73	0.65	1.3	1.2	0.98
23	0.27	1.0	0.68	e0.70	0.49	0.56	0.61	0.43	1.3	1.3	1.2	0.99
24	e0.23	0.76	0.66	e0.65	0.74	0.81	0.63	0.20	1.3	1.3	0.81	0.98
25	e0.23	1.1	0.63	e0.58	0.74	0.81	0.64	0.33	1.3	1.3	1.1	0.96
26	0.23	1.1	0.63	e0.46	0.74	0.79	0.66	0.77	0.68	1.3	1.1	0.96
27	0.35	1.0	0.63	e0.55	0.75	0.77	0.37	0.77	0.42	0.90	1.1	1.0
28	0.70	0.96	0.66	e0.65	0.76	0.77	0.61	0.77	0.42	1.3	1.1	0.66
29	0.70	0.96	0.44	e0.70	---	0.77	0.65	0.41	0.60	1.3	1.2	1.0
30	0.71	0.96	0.69	e0.70	---	0.53	0.67	0.29	1.3	1.3	1.1	1.0
31	0.71	---	0.70	e0.70	---	0.80	---	0.31	---	1.3	0.78	---
TOTAL	14.80	24.56	21.90	20.40	19.17	23.47	22.57	17.56	24.21	34.45	35.97	29.67
MEAN	0.477	0.819	0.706	0.658	0.685	0.757	0.752	0.566	0.807	1.111	1.160	0.989
MAX	0.74	1.1	1.0	0.71	0.78	0.90	1.1	0.77	1.3	1.4	1.3	1.1
MIN	0.20	0.49	0.44	0.44	0.42	0.48	0.37	0.20	0.27	0.43	0.78	0.64
AC-FT	29	49	43	40	38	47	45	35	48	68	71	59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2002, BY WATER YEAR (WY)

MEAN	1.283	1.686	1.472	1.306	1.184	1.311	1.327	1.315	1.709	1.716	1.449	1.143
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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1989 - 2002	
ANNUAL TOTAL	297.53		288.73			
ANNUAL MEAN	0.815		0.791		1.437	
HIGHEST ANNUAL MEAN					2.90	1996
LOWEST ANNUAL MEAN					0.31	1992
HIGHEST DAILY MEAN	1.5	Jan 8	1.4	Jul 1	5.7	Jan 7 1997
LOWEST DAILY MEAN	0.20	Oct 17	0.20	Oct 17	0.00	Mar 9 1995
ANNUAL SEVEN-DAY MINIMUM	0.38	Oct 21	0.38	Oct 21	0.11	May 17 1992
ANNUAL RUNOFF (AC-FT)	590		573		1040	
10 PERCENT EXCEEDS	1.4		1.2		3.2	
50 PERCENT EXCEEDS	0.77		0.74		0.97	
90 PERCENT EXCEEDS	0.31		0.43		0.29	

e Estimated

CARSON RIVER BASIN

10311090 NORTH FORK KINGS CANYON CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°09'17" long 119°48'58" in NE $^1/_4$ NW $^1/_4$ sec.23, T.15 N., R.19 E., Carson City, Hydrologic Unit 16050201, on right bank, off Kings Canyon Road, 2.9 mi west of Carson Street.

DRAINAGE AREA.--1.83 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 5,530 ft above NGVD 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 140 ft^3/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, 1.6 ft^3/s, November 24, gage height, 1.93 ft; minimum daily, 0.14 ft^3/s, December 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.36	0.46	0.66	0.33	e0.30	0.47	0.46	0.33	0.91	0.40	0.33	0.38
2	0.72	0.46	0.34	0.43	e0.50	e0.65	0.49	0.32	0.32	0.38	0.33	0.41
3	0.87	0.66	0.14	0.38	e0.30	e0.45	0.52	0.36	0.27	0.83	0.67	0.41
4	0.88	0.46	0.34	0.33	e0.30	0.35	0.49	0.62	0.38	1.0	0.36	0.40
5	0.76	0.46	0.27	0.61	e0.30	0.43	0.41	0.37	0.86	1.0	0.33	0.43
6	0.36	0.46	0.32	0.52	e0.30	0.47	0.65	0.40	1.1	0.84	0.41	0.43
7	0.36	0.46	0.27	0.40	e0.30	0.45	0.36	0.39	1.1	0.33	0.61	0.78
8	0.35	0.46	0.53	0.40	0.38	0.43	0.35	0.37	0.90	0.33	0.33	0.40
9	0.65	0.46	0.27	0.37	0.55	0.63	0.40	0.35	0.40	0.33	0.33	0.40
10	0.89	0.67	0.27	0.33	0.39	0.40	0.42	0.33	0.36	0.78	0.64	0.40
11	0.90	0.45	0.27	0.33	0.36	0.42	0.44	0.57	0.33	0.66	0.33	0.40
12	0.78	0.46	0.27	0.56	0.36	0.43	0.38	0.33	0.75	0.28	0.33	0.37
13	0.37	0.41	0.31	0.33	0.33	0.40	0.68	0.36	1.1	0.64	0.33	0.36
14	0.36	0.40	e0.30	0.33	0.33	0.41	0.40	0.33	1.0	0.27	0.32	0.73
15	0.41	0.40	e0.50	0.36	0.33	e0.40	0.27	0.63	0.90	0.27	0.30	0.39
16	0.62	0.40	e0.30	e0.30	0.57	0.66	0.35	0.82	0.36	0.30	0.30	0.41
17	0.90	0.66	0.34	e0.30	0.33	0.36	0.35	0.82	0.33	0.44	0.62	0.42
18	0.90	0.43	0.27	e0.30	0.33	0.34	0.29	0.70	0.33	0.47	0.30	0.42
19	0.90	0.40	0.27	e0.45	0.36	0.31	0.31	0.36	0.83	0.36	0.31	0.42
20	0.78	0.38	0.27	e0.30	0.40	0.33	0.55	0.33	1.1	0.75	0.32	0.40
21	0.43	0.45	0.27	e0.30	0.35	0.33	0.35	0.33	1.1	0.36	0.32	0.73
22	0.42	0.52	0.55	e0.30	0.36	0.33	0.37	0.33	0.93	0.33	0.31	0.38
23	0.43	0.33	0.27	e0.30	0.63	0.58	0.39	0.61	0.36	0.33	0.31	0.37
24	0.70	0.77	0.30	e0.30	0.33	0.33	0.40	0.82	0.33	0.33	0.66	0.37
25	0.77	0.33	0.33	e0.30	0.33	0.33	0.40	0.70	0.33	0.33	0.33	0.39
26	0.88	0.29	0.37	0.53	0.33	0.33	0.41	0.30	0.87	0.33	0.33	0.39
27	0.77	0.30	0.39	0.42	0.33	0.37	0.64	0.30	1.1	0.65	0.33	0.36
28	0.45	0.39	0.37	e0.30	0.33	0.40	0.33	0.31	1.1	0.33	0.32	0.68
29	0.46	0.41	0.59	e0.30	---	0.42	0.39	0.69	0.93	0.33	0.31	0.37
30	0.50	0.35	0.37	e0.30	---	0.64	0.33	0.94	0.40	0.33	0.37	0.34
31	0.46	---	0.39	e0.30	---	0.45	---	1.1	---	0.32	0.73	---
TOTAL	19.39	13.54	10.71	11.31	10.31	13.30	12.58	15.52	21.08	14.63	12.12	13.14
MEAN	0.625	0.451	0.345	0.365	0.368	0.429	0.419	0.501	0.703	0.472	0.391	0.438
MAX	0.90	0.77	0.66	0.61	0.63	0.66	0.68	1.1	1.1	1.0	0.73	0.78
MIN	0.35	0.29	0.14	0.30	0.30	0.31	0.27	0.30	0.27	0.27	0.30	0.34
AC-FT	38	27	21	22	20	26	25	31	42	29	24	26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2002, BY WATER YEAR (WY)

MEAN	0.915	0.493	0.394	0.563	0.368	0.427	0.472	0.636	0.709	0.807	0.892	0.914
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	0.24	0.48	0.38	0.29	0.22	0.24
(WY)	1993	1995	1993	1995	1993	1993	1993	1994	1990	1994	1994	1991

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1989 - 2002	
ANNUAL TOTAL	179.67		167.63			
ANNUAL MEAN	0.492		0.459		0.628	
HIGHEST ANNUAL MEAN					1.25	1997
LOWEST ANNUAL MEAN					0.40	1994
HIGHEST DAILY MEAN	1.0	May 10	1.1	May 31	34	Jan 2 1997
LOWEST DAILY MEAN	0.00	Jan 17	0.14	Dec 3	0.00	Feb 25 1990
ANNUAL SEVEN-DAY MINIMUM	0.11	Jan 17	0.31	Dec 3	0.00	Dec 24 1997
MAXIMUM PEAK FLOW			1.6	Nov 24	140	Jan 2 1997
MAXIMUM PEAK STAGE			1.93	Nov 24	3.96	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	356		332		455	
10 PERCENT EXCEEDS	0.88		0.78		1.4	
50 PERCENT EXCEEDS	0.42		0.38		0.40	
90 PERCENT EXCEEDS	0.21		0.30		0.16	

e Estimated

CARSON RIVER BASIN

10311100 KINGS CANYON CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°09'14", long 119°48'24", in NE $^1/_4$ NE $^1/_4$ sec.23, T.15 N., R.19 E., Carson City, Hydrologic Unit 16050201, on right bank, off Kings Canyon Road, 2 mi west of Carson Street.

DRAINAGE AREA.--4.06 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 5,180 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Diversion for municipal use above station. See schematic diagram of Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 276 ft^3/s, January 2, 1997, gage height, 5.42 ft; maximum gage height, 5.44 ft, February19, 1986; minimum daily, 0.02 ft^3/s, August 1, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2.3 ft^3/s, November 24, gage height, 4.01 ft; minimum daily, 0.14 ft^3/s, July 02.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.85	0.70	0.67	0.66	0.56	0.60	0.85	0.94	1.1	0.19	0.31	0.24
2	0.81	0.71	1.00	0.81	0.65	0.71	0.86	0.92	0.64	0.14	0.31	0.29
3	1.0	0.82	0.57	0.76	0.58	0.56	0.87	0.91	0.58	0.62	0.71	0.32
4	1.1	0.72	0.54	0.67	0.55	0.63	0.84	1.0	0.73	0.86	0.40	0.33
5	1.1	0.69	0.58	0.82	0.51	0.70	0.71	0.93	1.00	0.90	0.36	0.35
6	1.1	0.71	0.66	0.83	0.48	0.84	0.84	0.92	1.1	0.75	0.39	0.39
7	0.79	0.66	0.58	0.69	0.60	0.86	0.69	0.92	1.1	0.28	0.38	0.74
8	0.84	0.66	0.69	0.65	0.67	0.74	0.69	0.91	0.98	0.25	0.35	0.51
9	0.89	0.65	0.56	0.62	0.77	0.92	0.70	0.89	0.68	0.23	0.31	0.47
10	0.98	0.73	0.54	0.60	0.69	0.94	0.70	0.88	0.64	0.65	0.67	0.43
11	1.1	0.64	0.53	0.58	0.66	0.93	0.71	0.97	0.62	0.55	0.34	0.38
12	1.1	0.63	0.54	0.70	0.64	0.92	0.69	0.83	0.86	0.21	0.33	0.38
13	0.98	0.59	0.64	0.59	0.64	0.87	0.83	0.82	1.0	0.57	0.30	0.34
14	0.75	0.57	0.66	0.58	0.65	0.87	0.65	0.81	1.0	0.26	0.29	0.59
15	0.68	0.54	0.65	0.50	0.63	0.84	0.58	0.92	0.94	0.23	0.27	0.39
16	0.69	0.51	0.65	0.49	0.76	0.91	0.65	1.0	0.60	0.23	0.24	0.41
17	0.82	0.62	0.75	0.56	0.65	0.76	0.75	1.0	0.52	0.44	0.61	0.38
18	0.92	0.51	0.66	0.51	0.64	0.81	0.74	0.94	0.49	0.63	0.32	0.39
19	0.87	0.49	0.64	0.67	0.69	0.85	0.85	0.78	0.79	0.48	0.28	0.39
20	0.85	0.45	0.59	0.58	0.73	0.84	1.0	0.81	0.97	0.94	0.31	0.37
21	0.74	0.57	0.57	0.59	0.68	0.83	0.93	0.81	1.0	0.69	0.32	0.64
22	0.69	0.82	0.71	0.54	0.68	0.80	0.94	0.79	0.90	0.54	0.32	0.39
23	0.70	0.44	0.60	0.50	0.81	0.97	0.95	0.93	0.51	0.59	0.33	0.38
24	0.82	0.97	0.59	0.54	0.67	0.82	0.92	1.0	0.43	0.53	0.70	0.38
25	0.89	0.47	0.60	0.56	0.66	0.80	0.92	0.94	0.40	0.52	0.40	0.38
26	0.87	0.44	0.61	0.66	0.65	0.81	0.95	0.76	0.76	0.46	0.39	0.39
27	0.84	0.46	0.61	0.56	0.65	0.82	1.1	0.74	0.94	0.84	0.38	0.39
28	0.69	0.52	0.65	0.52	0.64	0.81	0.93	0.74	1.0	0.46	0.36	0.72
29	0.66	0.55	0.77	0.50	---	0.82	0.99	0.95	0.88	0.42	0.34	0.53
30	0.74	0.49	0.68	0.44	---	0.96	0.94	1.2	0.36	0.37	0.33	0.53
31	0.73	---	0.75	0.55	---	0.84	---	1.3	---	0.33	0.45	---
TOTAL	26.59	18.33	19.84	18.83	18.19	25.38	24.77	28.26	23.52	15.16	11.80	12.82
MEAN	0.858	0.611	0.640	0.607	0.650	0.819	0.826	0.912	0.784	0.489	0.381	0.427
MAX	1.1	0.97	1.0	0.83	0.81	0.97	1.1	1.3	1.1	0.94	0.71	0.74
MIN	0.66	0.44	0.53	0.44	0.48	0.56	0.58	0.74	0.36	0.14	0.24	0.24
AC-FT	53	36	39	37	36	50	49	56	47	30	23	25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2002, BY WATER YEAR (WY)

MEAN	1.366	1.193	1.121	1.372	1.621	1.597	1.357	1.174	1.553	1.503	1.413	1.293
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	0.093	0.075	0.15
(WY)	1993	1993	1994	1993	1993	1992	1993	1992	1992	1994	1994	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1976 - 2002	
ANNUAL TOTAL	263.61		243.49			
ANNUAL MEAN	0.722		0.667		1.388	
HIGHEST ANNUAL MEAN					4.58	1983
LOWEST ANNUAL MEAN					0.35	1992
HIGHEST DAILY MEAN	1.3	May 11	1.3	May 31	66	Jan 2 1997
LOWEST DAILY MEAN	0.34	Jul 24	0.14	Jul 2	0.02	Aug 1 1994
ANNUAL SEVEN-DAY MINIMUM	0.47	Feb 7	0.33	Aug 29	0.05	Oct 17 1992
MAXIMUM PEAK FLOW			2.3	Nov 24	276	Jan 2 1997
MAXIMUM PEAK STAGE			4.01	Nov 24	5.44	Feb 19 1986
ANNUAL RUNOFF (AC-FT)	523		483		1010	
10 PERCENT EXCEEDS	1.0		0.94		3.1	
50 PERCENT EXCEEDS	0.71		0.66		0.88	
90 PERCENT EXCEEDS	0.44		0.36		0.28	

CARSON RIVER BASIN

10311200 ASH CANYON CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°10'35", long 119°48'17", in NW $^1/_4$ SW $^1/_4$ sec.12, T.15 N., R.19 E., Carson City, Hydrologic Unit 16050201, on left bank, 2 mi west of intersection of Carson and Bath Streets.

DRAINAGE AREA.--5.20 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 5,080 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Daily flows and peak flows may be influenced by intermittent diversions from Marlette Lake and Hobart Reservoir. See schematic diagram of Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 330 ft^3/s, January 2, 1997, gage height, 4.95 ft; minimum daily, 0.47 ft^3/s, August 19, 1992.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4.0 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 24	1115	16	3.95	April 15	1030	12	3.89
Feb 12	1015	7.6	3.81				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	2.2	2.4	2.6	1.7	2.7	3.1	2.9	2.9	1.3	1.2	1.3
2	1.3	1.8	3.5	3.3	1.5	5.0	3.2	3.0	2.6	e1.2	1.3	1.3
3	1.3	1.4	1.9	2.3	1.4	5.4	3.7	3.7	2.5	1.3	1.3	1.3
4	1.3	1.5	1.6	2.6	1.4	5.5	4.6	3.8	2.5	e1.2	1.3	1.3
5	1.3	1.5	1.7	3.8	1.5	2.7	5.0	4.0	2.2	1.1	1.3	1.3
6	1.3	1.5	1.8	4.1	1.5	2.3	4.3	4.3	2.2	1.2	1.3	1.4
7	1.4	1.6	1.6	2.9	1.5	2.0	4.1	4.6	2.2	e1.2	1.3	1.3
8	1.4	1.6	1.5	2.9	1.8	1.8	4.4	3.9	2.2	e1.2	1.3	1.3
9	1.5	1.4	1.5	3.1	3.6	1.5	4.8	3.8	2.3	e1.2	1.3	1.2
10	1.5	1.5	1.5	3.8	3.8	1.4	4.4	3.8	2.2	e1.2	1.3	1.2
11	1.4	1.9	1.5	3.7	3.8	1.4	4.6	3.6	2.1	e1.2	1.3	1.2
12	1.5	3.5	2.0	3.7	4.1	1.6	4.9	3.6	2.0	1.5	1.3	1.1
13	1.4	4.8	3.0	3.6	3.9	1.7	4.9	3.7	1.8	e1.6	1.3	1.1
14	1.4	6.0	3.5	3.0	3.9	1.5	6.1	3.9	1.8	e1.7	1.3	1.1
15	1.4	6.1	4.4	2.7	3.8	2.1	5.3	4.0	1.8	e1.5	1.3	1.1
16	1.4	5.7	4.3	2.7	3.7	1.6	3.7	3.8	1.7	1.6	1.3	1.2
17	1.4	5.6	3.4	2.8	3.0	1.5	3.4	3.9	1.7	2.1	1.3	1.3
18	1.4	5.5	3.4	2.4	1.9	1.5	3.1	3.8	1.7	2.2	1.3	1.3
19	1.5	3.3	3.7	2.4	1.8	1.7	2.9	3.8	1.7	1.7	1.3	1.3
20	1.4	1.5	3.6	2.6	2.6	1.8	2.8	3.5	1.7	1.4	1.3	1.3
21	1.4	3.1	3.5	2.5	2.2	1.9	3.3	3.3	1.6	e1.2	1.4	1.2
22	1.5	4.0	3.6	2.4	2.2	1.7	3.5	3.1	1.5	1.2	1.5	1.2
23	1.4	1.3	3.3	2.3	2.3	1.6	3.7	3.0	1.4	e1.2	1.4	1.2
24	1.3	4.3	2.8	2.6	2.1	1.5	4.1	2.9	1.4	e1.2	1.3	1.2
25	1.5	2.6	2.8	2.5	2.0	1.4	6.8	2.9	1.4	1.3	1.4	1.2
26	1.5	2.1	2.8	2.6	2.0	1.5	7.4	2.9	1.4	1.3	1.4	1.3
27	1.6	1.9	3.1	2.7	2.1	1.5	4.9	3.0	1.3	1.3	1.4	1.3
28	1.6	1.8	2.5	2.1	2.1	1.6	3.6	3.3	1.3	1.1	1.3	1.3
29	1.5	2.6	3.3	1.8	---	1.7	3.9	3.4	1.2	1.2	1.3	1.4
30	1.7	2.3	3.5	1.9	---	1.8	3.8	3.3	1.2	1.2	1.3	1.4
31	2.2	---	1.9	2.0	---	2.1	---	3.0	---	1.2	1.3	---
TOTAL	45.0	85.9	84.9	86.4	69.2	65.0	128.3	109.5	55.5	42.0	40.9	37.6
MEAN	1.452	2.863	2.739	2.787	2.471	2.097	4.277	3.532	1.850	1.355	1.319	1.253
MAX	2.2	6.1	4.4	4.1	4.1	5.5	7.4	4.6	2.9	2.2	1.5	1.4
MIN	1.3	1.3	1.5	1.8	1.4	1.4	2.8	2.9	1.2	1.1	1.2	1.1
AC-FT	89	170	168	171	137	129	254	217	110	83	81	75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2002, BY WATER YEAR (WY)

MEAN	2.609	2.996	3.039	3.193	3.380	3.732	4.181	5.409	5.516	3.393	2.565	2.339
MAX	6.03	7.57	9.32	11.5	8.82	7.48	7.59	11.8	19.6	12.6	9.25	6.49
(WY)	1984	1984	1997	1997	1986	1986	1997	1984	1983	1983	1983	1983
MIN	0.96	1.06	1.45	1.66	1.61	1.59	1.74	1.40	0.83	0.65	0.54	0.67
(WY)	1993	1993	1995	1991	1993	1992	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1976 - 2002	
ANNUAL TOTAL	873.2		850.2			
ANNUAL MEAN	2.392		2.329		3.540	
HIGHEST ANNUAL MEAN					7.77	1983
LOWEST ANNUAL MEAN					1.26	1992
HIGHEST DAILY MEAN	6.1	Nov 15	7.4	Apr 26	70	Jan 2 1997
LOWEST DAILY MEAN	1.1	Aug 16	1.1	Jul 5	0.47	Aug 19 1992
ANNUAL SEVEN-DAY MINIMUM	1.1	Aug 24	1.1	Sep 9	0.49	Jul 29 1992
MAXIMUM PEAK FLOW			16	Nov 24	330	Jan 2 1997
MAXIMUM PEAK STAGE			3.95	Nov 24	4.95	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	1730		1690		2560	
10 PERCENT EXCEEDS	3.7		3.9		6.7	
50 PERCENT EXCEEDS	2.3		1.8		2.7	
90 PERCENT EXCEEDS	1.3		1.3		1.3	

e Estimated

CARSON RIVER BASIN

10311300 EAGLE VALLEY CREEK AT CARSON CITY, NV

LOCATION.--Lat 39°09'56", long 119°43'23", in SE $^1/_4$ NW $^1/_4$ sec.15, T.15 N. R.20 E., Carson City, Hydrologic Unit 16050201, on left bank, 100 ft downstream from North Edmonds Drive, and 1.1 mi south of intersection with U.S. Highway 50.

DRAINAGE AREA.--34.4 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 4,620 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Flows prior to September 1986 included effluent discharge from Carson City Water Treatment Plant. See schematic diagram of Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,110 ft^3/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, 280 ft^3/s, December 02, gage height, 7.44 ft; no flow many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.04	0.11	0.85	3.7	1.2	0.87	0.46	0.46	0.14	0.00	0.03	e0.00
2	0.04	0.06	69	9.1	0.94	0.84	0.44	0.42	0.13	0.00	0.00	e0.00
3	0.04	0.07	20	5.8	0.91	0.84	0.44	0.37	0.13	0.00	0.02	e0.00
4	0.04	0.07	8.1	1.4	0.90	0.88	0.55	0.33	0.09	0.00	0.01	e0.00
5	0.04	0.09	6.3	1.3	0.91	1.2	0.56	0.28	0.06	0.00	0.00	0.00
6	0.05	0.09	5.9	3.6	0.89	3.2	0.53	0.29	0.06	0.00	0.00	0.00
7	0.06	0.08	2.8	1.3	3.3	16	0.58	0.27	0.05	0.00	0.00	0.00
8	0.06	0.08	2.0	1.5	8.6	2.4	0.58	0.38	0.05	0.00	0.00	0.00
9	0.06	0.08	1.6	1.3	0.56	0.62	0.49	0.51	0.05	0.00	0.00	0.00
10	0.07	0.10	2.1	1.8	0.48	0.40	0.36	0.41	0.06	0.00	0.00	0.00
11	0.07	0.13	1.4	1.5	0.54	0.37	0.42	0.23	0.06	0.00	0.11	0.00
12	0.08	0.14	0.98	1.3	0.61	0.38	0.41	0.28	0.06	0.0	0.02	0.00
13	0.07	0.17	0.98	1.1	0.64	0.37	0.41	0.30	0.05	3.6	0.00	0.00
14	0.08	0.15	11	0.98	0.89	0.34	0.43	0.31	0.04	2.7	0.00	0.00
15	0.10	e0.17	1.8	0.81	0.65	0.33	0.43	0.33	0.04	0.28	0.22	0.00
16	0.10	e0.18	1.3	0.83	0.66	0.33	0.54	0.38	0.03	0.12	0.05	0.00
17	0.09	e0.20	8.1	1.0	0.69	0.37	0.94	0.42	0.03	0.08	0.02	0.00
18	0.06	e0.20	2.0	0.94	0.73	0.52	0.79	0.36	0.07	0.11	0.00	0.00
19	0.02	e0.20	1.1	0.80	0.82	0.39	0.64	0.41	0.06	0.25	0.00	0.00
20	0.01	0.34	1.1	0.81	0.74	0.34	0.57	0.41	0.13	0.16	1.7	0.00
21	0.02	e0.80	1.1	0.91	0.74	0.38	0.51	0.55	0.07	0.13	0.00	0.01
22	0.03	e1.7	0.91	0.54	0.76	0.39	2.1	0.51	0.04	0.20	0.00	0.01
23	0.04	e1.0	1.3	0.61	0.76	0.42	0.51	0.48	0.02	0.09	0.00	0.01
24	0.04	e40	0.96	0.79	0.76	0.40	0.46	0.47	0.00	0.11	0.00	0.01
25	0.06	e1.0	0.92	0.92	0.78	0.42	0.43	0.41	0.00	0.03	0.00	0.01
26	0.06	e1.1	1.0	0.93	0.80	0.47	0.90	0.31	0.00	0.24	0.00	0.01
27	0.06	e0.70	e1.3	1.0	0.78	0.45	0.75	0.27	0.00	0.08	e0.00	0.01
28	0.07	0.67	9.2	0.89	0.80	0.49	0.55	0.27	0.00	0.13	e0.00	0.01
29	0.08	1.2	6.2	0.98	---	0.49	4.7	0.27	0.00	0.32	0.00	0.01
30	0.09	0.99	2.0	1.1	---	0.51	0.78	0.38	0.00	0.16	e0.00	0.01
31	1.2	---	16	1.0	---	0.47	---	0.19	---	0.08	e0.00	---
TOTAL	2.93	51.87	189.30	50.54	31.84	35.88	22.26	11.26	1.52	8.87	2.18	0.10
MEAN	0.095	1.729	6.106	1.630	1.137	1.157	0.742	0.363	0.051	0.286	0.070	0.003
MAX	1.2	40	69	9.1	8.6	16	4.7	0.55	0.14	3.6	1.7	0.01
MIN	0.01	0.06	0.85	0.54	0.48	0.33	0.36	0.19	0.00	0.00	0.00	0.00
AC-FT	5.8	103	375	100	63	71	44	22	3.0	18	4.3	0.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2002, BY WATER YEAR (WY)

MEAN	1.468	2.252	3.889	9.113	10.71	6.499	2.435	1.878	1.909	0.707	0.595	1.122
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	0.095	0.24	0.25	0.25	0.42	0.35	0.15	0.17	0.051	0.024	0.012	0.003
(WY)	2002	1991	1995	1994	1991	1988	1994	1992	2002	1988	1988	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1985 - 2002	
ANNUAL TOTAL	397.21		408.55			
ANNUAL MEAN	1.088		1.119		3.401	
HIGHEST ANNUAL MEAN					15.7	1986
LOWEST ANNUAL MEAN					0.42	1991
HIGHEST DAILY MEAN	69	Dec 2	69	Dec 2	775	Jan 2 1997
LOWEST DAILY MEAN	0.00	Aug 19	0.00	Jun 24	0.00	Jul 1 1988
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 19	0.00	Jun 24	0.00	Jul 1 1988
MAXIMUM PEAK FLOW			280	Dec 2	1110	Feb 19 1986
MAXIMUM PEAK STAGE			7.44	Dec 2	9.32	Jan 2 1997
ANNUAL RUNOFF (AC-FT)	788		810		2460	
10 PERCENT EXCEEDS	1.1		1.4		7.6	
50 PERCENT EXCEEDS	0.33		0.33		0.44	
90 PERCENT EXCEEDS	0.02		0.00		0.07	

e Estimated

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

LOCATION.--Lat 39°10'52", long 119°41'40", in SW $^1/_4$ NW $^1/_4$ sec.12, T.15 N. R.20 E., Carson City, Hydrologic Unit 16050202, on right bank, just downstream from Deer Run Road, 500 ft south of Brunswick Road, 4 mi east of Carson City, and at mi 63.36 upstream from Lahontan Dam.

DRAINAGE AREA.--958 mi^2.

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 NGVD of 1929, from topographic map.

REMARKS.--Records fair including estimated daily discharges. Many diversions above station for irrigation. Flow slightly regulated by several small reservoirs on tributaries. See schematic diagram of Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 24,000 ft^3/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 ft^3/s, based on slope-area measurement made at gaging station 5 mi upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
April 15	1615	*1440	*7.80				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	8.5	114	238	161	221	296	375	1000	56	4.6	2.1
2	0.00	15	171	223	156	221	281	328	986	42	4.9	2.6
3	0.00	18	255	239	148	205	330	308	794	36	4.2	1.9
4	0.00	22	203	254	150	197	415	352	686	29	3.1	1.5
5	0.00	23	141	213	151	202	539	456	678	23	2.3	3.3
6	0.00	25	146	215	154	199	579	577	709	17	1.8	6.7
7	0.00	29	177	251	157	263	567	638	686	17	2.1	5.4
8	0.00	26	159	272	178	255	529	687	618	17	3.3	5.4
9	0.00	27	144	257	174	213	595	721	563	14	2.6	4.7
10	0.00	40	146	243	150	218	701	695	478	12	1.8	5.5
11	0.00	38	144	234	148	218	668	636	432	11	2.9	5.6
12	0.00	29	141	216	153	218	732	617	368	9.4	4.6	5.5
13	0.00	35	137	222	155	244	826	665	341	e10	3.2	4.3
14	0.00	55	147	215	154	264	821	683	366	e9.4	5.5	3.5
15	0.00	64	149	200	155	247	1150	747	351	e14	5.6	1.4
16	0.00	61	130	190	158	220	1100	830	337	e11	4.9	0.85
17	0.00	57	136	178	159	224	811	903	317	e9.0	4.9	1.1
18	0.00	53	165	159	168	218	686	1030	300	11	1.9	1.5
19	0.00	52	150	164	162	215	592	1170	260	20	1.5	1.4
20	0.00	52	143	160	162	210	539	1090	223	26	1.1	1.3
21	0.00	54	149	179	175	229	500	876	167	24	0.88	3.1
22	0.02	95	138	173	188	230	437	702	172	31	0.88	4.0
23	0.06	160	140	159	203	242	391	572	179	34	0.83	3.9
24	1.4	196	139	145	224	259	384	517	159	33	0.87	4.9
25	2.6	245	139	167	208	254	390	514	149	26	0.94	4.2
26	3.3	196	132	186	203	236	479	541	110	18	0.85	4.5
27	3.3	136	143	173	205	224	551	576	75	13	2.1	4.2
28	5.8	127	157	156	222	229	489	630	66	7.8	2.6	5.0
29	6.2	123	189	151	---	241	443	639	76	5.9	2.3	6.7
30	6.3	131	196	140	---	236	448	799	65	5.0	2.5	6.0
31	6.6	---	211	145	---	274	---	956	---	4.1	3.5	---
TOTAL	35.58	2192.5	4831	6117	4781	7126	17269	20830	11711	595.6	85.05	112.05
MEAN	1.15	73.1	156	197	171	230	576	672	390	19.2	2.74	3.73
MAX	6.6	245	255	272	224	274	1150	1170	1000	56	5.6	6.7
MIN	0.00	8.5	114	140	148	197	281	308	65	4.1	0.83	0.85
AC-FT	71	4350	9580	12130	9480	14130	34250	41320	23230	1180	169	222

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2002, BY WATER YEAR (WY)

MEAN	129	243	300	494	450	518	676	1313	1106	396	84.2	57.8
MAX	534	1086	987	3106	1134	1147	1407	2273	4319	1770	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	0.43	0.000
(WY)	2002	1991	1991	1991	1991	1992	1994	1992	1992	1994	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1979 - 2002	
ANNUAL TOTAL	54051.10		75685.78			
ANNUAL MEAN	148		207		485	
HIGHEST ANNUAL MEAN					1178	1983
LOWEST ANNUAL MEAN					90.7	1992
HIGHEST DAILY MEAN	1020	May 13	1170	May 19	22600	Jan 3 1997
LOWEST DAILY MEAN	0.00	Aug 17	0.00	Oct 1	0.00	Aug 20 1994
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 17	0.00	Oct 1	0.00	Aug 31 1994
MAXIMUM PEAK FLOW			1440	Apr 15	24000	Jan 3 1997
MAXIMUM PEAK STAGE			7.80	Apr 15	24.23	Jan 3 1997
ANNUAL RUNOFF (AC-FT)	107200		150100		351100	
10 PERCENT EXCEEDS	388		617		1280	
50 PERCENT EXCEEDS	111		150		218	
90 PERCENT EXCEEDS	0.00		1.5		12	

e Estimated

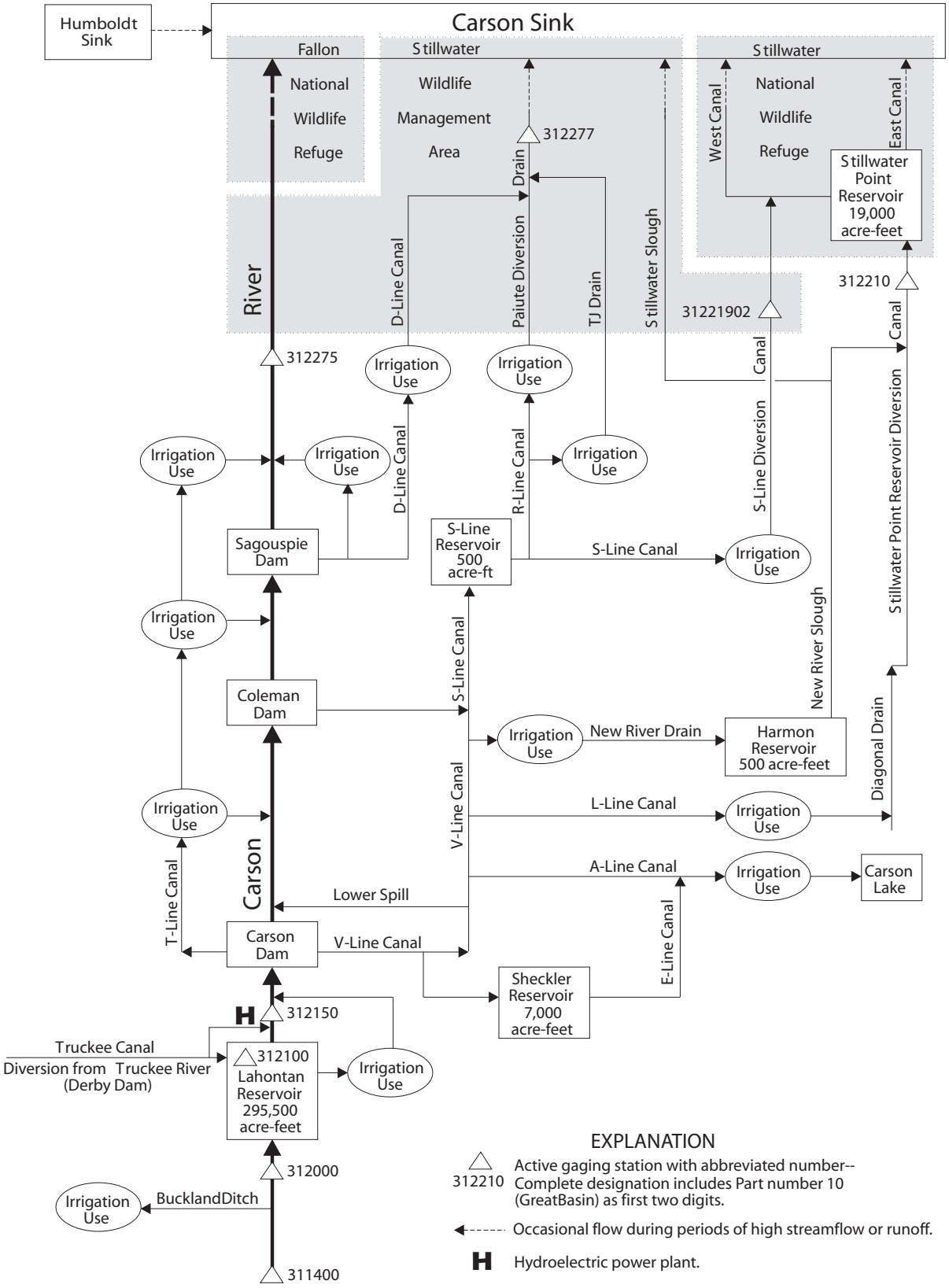

Figure 23. Schematic diagram of flow system and gaging stations in the Carson River basin downstream of station of 311400.

CARSON RIVER BASIN

10312000 CARSON RIVER NEAR FORT CHURCHILL, NV

LOCATION (REVISED).--Lat 39°17'30", long 119°18'40", in NE $^1/_4$ SE $^1/_4$ 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 mi^2 (Area at site when gage located at Weeks Bridge, 1,450 mi^2).

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 NGVD 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.--No estimated daily discharges. Records fair. See schematic diagram of Carson River Basin.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
April 16	0400	*1370	*5.60				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.97	2.5	100	188	115	204	201	367	1020	19	1.7	1.1
2	0.95	2.8	93	212	121	198	200	297	1060	16	2.0	1.2
3	0.97	2.8	143	205	127	198	199	253	934	13	1.9	1.2
4	0.96	2.7	211	222	121	186	248	257	704	11	1.9	1.3
5	1.00	0.77	164	223	122	178	340	291	637	10	1.6	1.2
6	0.92	0.70	121	194	121	177	474	384	640	9.9	1.7	1.2
7	0.91	0.64	121	199	122	182	488	475	668	9.5	1.7	1.3
8	0.91	0.76	146	239	126	236	444	552	613	9.2	1.8	1.5
9	0.91	1.1	134	245	145	212	439	606	553	8.8	1.5	1.9
10	0.91	0.82	120	235	139	186	521	593	493	9.6	1.4	1.7
11	0.89	0.82	120	222	124	190	586	582	397	8.7	1.4	1.3
12	0.90	0.82	119	209	120	190	599	528	361	7.4	1.5	0.79
13	0.91	0.85	117	198	129	186	718	538	299	6.8	1.3	0.99
14	0.91	0.94	117	195	136	212	770	556	280	6.6	1.3	1.1
15	0.91	0.88	123	186	136	218	894	599	302	5.2	1.2	1.1
16	0.89	1.2	124	179	139	203	1260	673	278	4.6	1.1	1.4
17	0.89	3.2	108	166	143	182	920	771	261	4.3	1.1	1.4
18	0.87	3.8	115	152	144	184	718	885	244	4.5	1.1	1.5
19	0.61	4.6	141	137	146	176	619	1080	227	4.5	1.2	1.4
20	0.79	5.3	130	154	141	170	527	1180	202	3.9	1.1	1.5
21	1.7	4.7	125	147	142	168	482	998	174	3.7	1.2	1.4
22	1.8	7.8	129	160	154	173	439	755	134	3.5	1.8	1.1
23	0.74	17	121	154	167	162	372	598	137	3.2	1.5	0.87
24	0.79	45	120	142	182	177	338	474	130	2.6	1.4	1.1
25	1.4	103	120	117	200	190	325	444	97	2.5	1.6	0.80
26	2.0	184	119	137	194	187	343	456	82	2.5	1.7	0.82
27	2.3	146	114	145	193	167	441	475	57	2.2	2.0	0.78
28	2.5	106	119	138	196	155	459	526	34	1.8	2.0	0.73
29	2.5	96	139	138	---	148	410	530	25	1.7	1.6	0.83
30	2.8	94	167	145	---	170	382	595	21	1.8	1.5	1.0
31	2.7	---	178	154	---	169	---	845	---	1.7	1.0	---
TOTAL	39.21	841.50	4018	5537	4045	5734	15156	18163	11064	199.7	46.8	35.51
MEAN	1.26	28.1	130	179	144	185	505	586	369	6.44	1.51	1.18
MAX	2.8	184	211	245	200	236	1260	1180	1060	19	2.0	1.9
MIN	0.61	0.64	93	117	115	148	199	253	21	1.7	1.0	0.73
AC-FT	78	1670	7970	10980	8020	11370	30060	36030	21950	396	93	70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2002, BY WATER YEAR (WY)

MEAN	61.6	172	267	339	390	412	565	1100	960	251	33.7	17.1
MAX	481	1653	2540	3001	2378	1674	1475	2923	4141	1600	613	238
(WY)	1983	1951	1951	1997	1986	1995	1916	1969	1983	1995	1983	1983
MIN	0.000	0.54	44.4	72.4	65.1	36.6	7.41	38.6	4.80	0.000	0.000	0.000
(WY)	1925	1960	1960	1961	1991	1961	1977	1977	1992	1924	1924	1923

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1911 - 2002	
ANNUAL TOTAL	51008.78		64879.72			
ANNUAL MEAN	140		178		376	
HIGHEST ANNUAL MEAN					1111	1983
LOWEST ANNUAL MEAN					36.3	1977
HIGHEST DAILY MEAN	1080	May 13	1260	Apr 16	20000	Jan 3 1997
LOWEST DAILY MEAN	0.19	Aug 23	0.61	Oct 19	0.00	Aug 27 1923
ANNUAL SEVEN-DAY MINIMUM	0.29	Aug 21	0.80	Nov 5	0.00	Aug 27 1923
MAXIMUM PEAK FLOW			1370	Apr 16	22300	Jan 3 1997
MAXIMUM PEAK STAGE			5.60	Apr 16	15.27	Jan 3 1997
ANNUAL RUNOFF (AC-FT)	101200		128700		272500	
10 PERCENT EXCEEDS	352		529		1030	
50 PERCENT EXCEEDS	110		123		170	
90 PERCENT EXCEEDS	0.88		0.97		0.09	

CARSON RIVER BASIN

10312100 LAHONTAN RESERVOIR NEAR FALLON, NV

LOCATION.--Lat 39°27'45", long 119°04'00", in SW $^1/_4$ SE $^1/_4$ 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 mi^2, (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 NGVD 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.

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 7-9, 1929, elevation, 4,070.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 225,000 acre-ft, June 12, elevation, 4,155.26 ft; minimum, 61,660 acre-ft, October 30,and November 1, elevation, 4,125.62 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 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76760	61750	74260	101600	112700	133500	164500	198000	213100	204400	163200	119300
2	76010	61810	75190	102700	113000	134600	164500	199300	213900	202700	161700	119300
3	75530	61930	75870	103500	113300	135600	166500	200300	215200	200600	160000	119300
4	74900	62030	77080	103900	113500	136600	167200	200900	216800	198600	158200	112300
5	74000	62150	78220	104400	113900	137700	168200	201200	218100	197000	156500	110900
6	73300	62390	79250	104800	114000	138800	169300	201600	219400	195300	154900	109400
7	72640	62510	80000	105100	114200	139600	170600	201900	219400	193800	153200	108000
8	72070	62630	80870	105500	114800	140800	172000	202000	219400	192600	151500	106700
9	71580	62660	81740	105900	115100	142000	173400	202100	219400	191400	149900	105500
10	71150	62570	82480	106400	115900	143300	174500	202200	219400	190200	148400	104400
11	70620	62210	82480	106900	116700	144400	175900	202200	224600	188600	146900	103300
12	70300	62080	82480	107300	117600	145700	177300	202300	224800	187200	145300	102100
13	69870	62240	82480	107800	118400	146500	178900	202300	224700	185600	143700	101000
14	69340	62660	85400	108100	119200	147600	180300	202000	224300	184000	142100	99870
15	68940	63230	86290	108400	120200	148800	181100	202200	224100	182700	140500	98740
16	68600	63830	87230	108700	120900	150100	183100	202200	223500	181700	139000	97530
17	68120	64400	87960	109100	122000	151000	183100	202300	222800	180700	137500	96570
18	67480	64940	88950	109500	123000	151800	183100	202500	222100	180000	136000	95610
19	66940	65520	89830	109700	123600	152800	188300	202800	221000	180000	134700	94430
20	66330	66130	90760	109900	124700	153800	189400	203900	220300	178200	133500	93070
21	65710	66670	91510	110300	125500	154600	190000	205400	219100	177300	131900	91600
22	65070	67450	92360	110400	126400	155600	190900	207100	218000	176300	130800	90320
23	64530	67720	93380	110700	127300	156300	191600	208400	216800	175300	129400	88900
24	64020	68460	94290	111000	128300	157400	192000	209300	215700	174000	127900	87490
25	63610	69280	95110	111300	129100	158500	192300	210000	214600	172700	126500	86080
26	63290	70190	95930	111500	130400	159500	192700	210600	213300	171400	125200	84920
27	62910	71080	96800	111700	131400	160600	193300	211300	211700	170100	123700	83760
28	62510	71930	97630	111900	132600	161500	194100	211800	210000	168700	122300	82530
29	62210	72750	98740	112200	---	162500	195100	212500	208100	167400	120800	81530
30	61900	73480	99730	112400	---	163600	196700	213000	206300	166300	119300	80670
31	61840	---	100900	112600	---	164500	---	213000	---	164800	119300	---
MAX	76760	73480	100900	112600	132600	164500	196700	213000	224800	204400	163200	119300
MIN	61840	61750	74260	101600	112700	133500	164500	198000	206300	164800	119300	80670
#	4125.68	4129.15	4135.61	4138.03	4141.80	4147.21	4151.75	4153.73	4152.99	4147.25	4139.33	4131.02
##	-15830	+11640	+27420	+11700	+20000	+31900	+32200	+16300	-6700	-41500	-45500	-38600

CAL YR 2001 MAX 214700 MIN 61750 ## -900
WTR YR 2002 MAX 224800 MIN 61750 ## +3000

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

CARSON RIVER BASIN

10312150 CARSON RIVER BELOW LAHONTAN RESERVOIR NEAR FALLON, NV

LOCATION.--Lat 39°27'50", long 119°02'45", in E $^1/_2$ SE $^1/_4$ 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.--1,801 mi^2, 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 NGVD 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.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,150 ft^3/s, July 13, gage height, 5.78 ft; minimum daily, 2.0 ft^3/s, December 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	450	252	2.0	4.3	5.0	7.0	492	245	757	866	774	666
2	437	218	2.1	5.4	5.0	6.5	394	224	755	863	805	669
3	500	216	2.1	5.0	5.5	6.5	346	224	638	860	810	674
4	549	192	2.1	4.8	6.5	6.5	400	269	545	872	790	673
5	562	175	2.5	4.9	6.4	6.6	342	307	447	883	723	673
6	525	174	2.3	4.9	6.0	6.4	364	315	378	815	728	672
7	461	196	2.5	5.7	5.6	6.4	364	491	359	662	739	655
8	432	224	2.6	5.6	5.0	6.5	373	599	466	566	735	605
9	431	244	2.7	5.5	5.0	6.5	452	608	552	678	730	581
10	429	326	3.1	5.7	5.1	6.4	454	652	569	732	748	583
11	417	344	3.2	5.0	5.2	6.5	452	700	631	766	767	585
12	410	283	3.4	4.9	5.2	6.4	442	712	676	777	737	549
13	410	135	3.6	4.9	5.6	6.5	540	713	682	792	765	538
14	408	47	2.9	5.4	5.7	5.4	621	713	682	739	726	565
15	409	2.7	2.6	5.7	6.4	3.7	645	749	681	578	708	550
16	441	3.0	3.3	5.7	6.4	3.6	700	759	689	513	708	502
17	478	3.5	3.6	5.7	6.2	3.8	717	775	709	540	675	503
18	495	4.3	3.7	5.7	6.5	4.2	723	782	781	556	610	579
19	494	5.8	3.6	5.7	6.5	5.2	765	781	787	562	531	646
20	493	7.1	3.6	5.7	6.2	5.4	726	637	764	610	559	704
21	493	7.5	4.0	5.6	6.0	5.7	618	500	772	624	607	717
22	492	6.5	4.4	5.7	5.9	6.5	561	457	726	630	607	717
23	464	6.4	5.0	5.7	5.8	6.4	604	424	629	694	647	711
24	429	6.2	4.6	5.2	5.7	6.5	612	452	593	718	657	708
25	397	5.7	3.1	4.9	6.0	6.4	634	483	654	700	648	651
26	388	5.8	3.0	5.0	6.5	8.0	620	473	728	730	629	600
27	391	6.3	3.5	5.0	6.5	16	594	467	779	765	657	572
28	391	6.3	3.8	4.9	6.9	37	487	488	823	704	686	545
29	391	4.1	3.8	4.9	---	30	386	549	856	689	703	467
30	353	2.1	3.7	5.0	---	25	314	621	870	816	711	421
31	299	---	3.8	5.0	---	25	---	678	---	830	690	---
TOTAL	13719	3109.3	100.2	163.1	164.3	288.5	15742	16847	19978	22130	21610	18281
MEAN	442.5	103.6	3.232	5.261	5.868	9.306	524.7	543.5	665.9	713.9	697.1	609.4
MAX	562	344	5.0	5.7	6.9	37	765	782	870	883	810	717
MIN	299	2.1	2.0	4.3	5.0	3.6	314	224	359	513	531	421
AC-FT	27210	6170	199	324	326	572	31220	33420	39630	43890	42860	36260

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2002, BY WATER YEAR (WY)

MEAN	319.7	124.1	49.69	134.4	171.2	265.0	649.3	950.2	1031	939.8	826.5	599.2
MAX	802	639	861	1756	1578	1392	1453	1619	2147	1745	1285	1112
(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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1967 - 2002	
ANNUAL TOTAL	138375.0		132132.4			
ANNUAL MEAN	379.1		362.0		506.4	
HIGHEST ANNUAL MEAN					1066	1983
LOWEST ANNUAL MEAN					181	1992
HIGHEST DAILY MEAN	920	Jun 26	883	Jul 5	3160	Jun 23 1983
LOWEST DAILY MEAN	2.0	Dec 1	2.0	Dec 1	0.24	Oct 18 1994
ANNUAL SEVEN-DAY MINIMUM	2.2	Nov 30	2.2	Nov 30	0.28	Oct 18 1994
MAXIMUM PEAK FLOW			1150	Jul 13	3160	Jun 23 1983
MAXIMUM PEAK STAGE			5.78	Jul 13	8.34	Jun 23 1983
ANNUAL RUNOFF (AC-FT)	274500		262100		366900	
10 PERCENT EXCEEDS	771		739		1050	
50 PERCENT EXCEEDS	434		429		490	
90 PERCENT EXCEEDS	2.4		4.2		2.2	

CARSON RIVER BASIN

10312210 STILLWATER POINT RESERVOIR DIVERSION CANAL NEAR FALLON, NV

LOCATION.--Lat 39°28'25", long 118°35'50", in NE $^1/_4$ NE $^1/_4$ 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 NGVD of 1929, from topographic map. Prior to September 1981, gage at same site and datum on right bank.

REMARKS.--No estimated daily discharges. Records good. See schematic diagram of Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 256 ft^3/s, January 29, 1997; no flow several days many years.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	68	2.4	5.8	5.9	0.91	0.03	7.4	10	40	39	51
2	57	65	2.3	0.74	5.0	0.60	14	4.7	12	40	40	51
3	61	56	2.1	3.7	3.6	0.58	7.6	3.4	11	41	40	48
4	61	47	2.3	4.2	4.6	1.3	3.2	3.3	13	40	39	47
5	68	31	2.1	2.1	5.4	1.6	4.7	3.9	12	38	40	53
6	74	4.5	2.0	1.6	4.6	1.6	2.0	3.4	22	37	43	60
7	85	3.9	1.8	1.5	5.6	1.4	3.1	3.5	37	40	40	63
8	91	6.5	1.9	1.8	4.4	1.5	4.7	3.3	34	42	38	62
9	92	4.7	1.6	1.2	4.6	1.3	5.4	5.6	35	43	37	57
10	96	3.1	2.2	1.4	2.1	0.98	5.0	12	39	37	39	54
11	83	3.4	2.2	1.2	4.7	1.2	3.1	12	38	37	44	54
12	81	4.2	2.1	1.4	3.1	0.86	2.9	12	42	37	48	55
13	84	12	2.1	1.4	1.3	1.9	4.3	15	43	38	45	54
14	88	13	2.0	1.2	1.3	1.1	4.1	19	33	38	45	58
15	86	11	1.9	1.2	1.4	1.2	3.3	16	13	36	43	60
16	80	16	2.0	1.4	1.3	1.2	7.1	16	9.6	36	40	63
17	84	7.1	1.8	1.3	1.4	1.4	5.8	16	10	35	45	62
18	139	3.8	1.9	1.4	1.5	1.4	6.6	16	11	37	47	58
19	147	3.7	5.1	1.2	1.2	1.6	5.9	15	20	35	50	64
20	157	3.6	1.9	1.5	5.3	4.1	6.1	13	33	34	50	67
21	146	3.5	0.68	1.7	1.2	0.98	5.9	16	33	35	46	59
22	141	3.5	0.82	1.9	1.00	1.9	7.9	19	36	35	44	55
23	156	2.8	1.4	1.6	1.1	1.5	10	40	38	34	43	59
24	130	2.9	2.2	3.5	0.95	1.3	7.8	37	37	32	45	84
25	88	3.0	1.7	5.1	0.81	1.6	6.2	36	38	34	49	92
26	85	2.9	1.5	4.7	0.69	1.3	6.2	37	38	35	48	99
27	79	2.5	1.4	3.3	0.62	0.88	4.8	42	39	37	48	98
28	79	2.5	1.4	2.7	0.71	0.62	6.3	44	40	37	49	95
29	84	3.0	1.9	3.3	---	1.5	6.7	36	41	36	48	91
30	80	2.7	2.4	4.6	---	1.1	6.4	35	43	35	48	83
31	71	---	2.9	5.1	---	0.35	---	27	---	36	50	---
TOTAL	2917	396.8	62.00	74.74	75.38	40.76	167.13	569.5	860.6	1147	1370	1956
MEAN	94.1	13.2	2.00	2.41	2.69	1.31	5.57	18.4	28.7	37.0	44.2	65.2
MAX	157	68	5.1	5.8	5.9	4.1	14	44	43	43	50	99
MIN	57	2.5	0.68	0.74	0.62	0.35	0.03	3.3	9.6	32	37	47
AC-FT	5790	787	123	148	150	81	332	1130	1710	2280	2720	3880

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2002, BY WATER YEAR (WY)

MEAN	30.0	13.5	4.50	19.5	19.6	30.1	12.4	49.7	46.2	28.0	27.8	31.5
MAX	94.1	31.9	7.69	197	193	139	31.7	118	120	58.4	44.2	65.2
(WY)	2002	2001	1991	1997	1997	1996	1996	1995	1995	1995	2002	2002
MIN	1.91	1.56	0.94	0.76	1.26	0.58	1.19	5.71	5.12	6.94	1.78	0.000
(WY)	1995	1995	1995	1993	1993	1993	1993	1992	1991	1991	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1991 - 2002	
ANNUAL TOTAL	8131.37		9636.91			
ANNUAL MEAN	22.3		26.4		27.0	
HIGHEST ANNUAL MEAN					68.4	1997
LOWEST ANNUAL MEAN					4.97	1992
HIGHEST DAILY MEAN	157	Oct 20	157	Oct 20	256	Jan 29 1997
LOWEST DAILY MEAN	0.49	Feb 6	0.03	Apr 1	0.00	Sep 1 1992
ANNUAL SEVEN-DAY MINIMUM	1.2	Feb 2	0.70	Feb 25	0.00	Sep 1 1992
ANNUAL RUNOFF (AC-FT)	16130		19110		19570	
10 PERCENT EXCEEDS	62		66		63	
50 PERCENT EXCEEDS	6.9		10		11	
90 PERCENT EXCEEDS	1.7		1.3		1.5	

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.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE.--Maximum recorded, 9,620 microsiemens, April 8, 1995; minimum recorded, 202 microsiemens, 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 recorded, 6,910 microsiemens, March 4; minimum recorded, 423 microsiemens, October 9.
WATER TEMPERATURE.--Maximum recorded, 30.5°C, June 27, 30, July 7, 10, 11; minimum, freezing point December 20, 22.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	556	483	518	690	572	609	3630	3480	3550	4210	3950	4100
2	674	463	528	712	623	668	3630	3350	3470	---	---	---
3	482	462	471	698	637	666	3440	3240	3370	3880	3240	3480
4	535	466	486	736	651	683	3460	3230	3360	4240	3440	3810
5	550	495	523	1340	667	813	3480	3290	3350	3440	3190	3250
6	516	485	498	3720	1340	2890	3520	3330	3410	3290	3180	3230
7	512	468	485	3440	2320	2880	3500	3160	3350	3650	3230	3330
8	484	454	470	2440	1760	2210	3510	3240	3400	4050	3640	3800
9	455	423	435	2000	1750	1870	3660	3390	3530	4430	4010	4130
10	492	429	464	2030	1640	1800	3620	3490	3580	4610	4410	4480
11	468	433	448	2050	1750	1860	3610	3430	3550	4810	4600	4720
12	622	460	514	2300	2050	2190	3560	3410	3510	4930	4800	4870
13	632	481	543	2370	1480	2030	3540	3350	3450	4980	4880	4930
14	499	468	477	1480	1210	1340	3580	3340	3490	5050	4930	5010
15	530	481	510	2020	1250	1470	3820	3450	3620	5100	5000	5040
16	515	474	485	1370	704	1110	3730	3560	3650	5030	4950	5000
17	711	509	543	1020	682	792	3860	3590	3770	5100	4890	4970
18	980	592	740	1850	1020	1320	4050	3650	3840	5020	4910	4970
19	613	485	533	2120	1850	1960	3880	3550	3710	4950	4820	4890
20	546	513	527	2250	1920	2120	---	---	---	4940	4810	4880
21	614	484	535	2370	2190	2250	---	---	---	4820	4670	4780
22	632	508	559	2650	2370	2510	3740	3280	3520	4830	4640	4750
23	508	475	483	2770	2620	2690	3630	3140	3490	4650	4300	4460
24	529	475	497	2760	2660	2730	3680	3420	3620	4700	4320	4410
25	512	480	492	3010	2750	2900	3780	3520	3690	4800	2480	3740
26	622	512	558	3160	2950	3050	4020	3780	3930	2870	2350	2630
27	617	545	580	3180	3000	3120	4040	3750	3940	2720	2370	2640
28	614	549	575	3240	3100	3170	4020	3770	3880	3080	2650	2820
29	616	578	603	3290	3100	3180	3840	3650	3760	3300	3080	3230
30	585	539	558	3590	3250	3420	3850	3680	3790	3590	2690	3340
31	581	547	558	---	---	---	4190	3710	3910	2690	2110	2480
MONTH	980	423	522	3720	572	2010	---	---	---	---	---	---

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

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2940	1870	2340	6720	6530	6640	4670	4220	4370	2150	1620	1840
2	2460	2060	2310	6800	6650	6730	6440	1100	4070	2050	1470	1690
3	2490	2140	2380	6850	6670	6770	2890	1120	1980	1910	1480	1730
4	2810	2430	2700	6910	6730	6820	4000	2890	3580	2500	1830	2140
5	3040	1870	2450	6750	6420	6550	4290	3080	3810	2310	1990	2130
6	2500	2070	2360	6500	6350	6430	3080	2190	2400	2280	2070	2150
7	2790	2020	2390	6520	6260	6390	2930	2290	2520	2310	1960	2110
8	2580	2090	2430	6310	6120	6210	3360	2470	3080	2650	1690	2160
9	3110	2040	2680	6180	5850	6000	2470	2090	2200	2030	1660	1830
10	2260	2040	2090	5920	5800	5870	2090	1870	1980	2210	1630	1960
11	3150	2260	2650	6030	5860	5920	2140	1890	2020	1630	1140	1360
12	3260	2380	2920	6130	5930	6040	2370	1890	2120	1380	1140	1260
13	2520	2250	2340	6010	5880	5950	2830	2370	2530	1180	1010	1070
14	2770	2420	2550	5990	4780	5410	3100	2370	2830	1100	965	1030
15	3630	2770	3240	4940	4610	4770	2370	2040	2160	972	874	904
16	4110	3630	3880	5090	4850	4950	2320	2040	2170	1180	950	1050
17	4450	4110	4310	5560	5080	5310	2040	1720	1780	1080	866	923
18	4710	4450	4610	5980	5550	5810	1790	1650	1730	1000	882	936
19	5020	4710	4920	5970	5290	5530	1650	1520	1580	2000	1000	1240
20	5710	4970	5240	5650	5160	5340	1680	1580	1630	1020	908	959
21	5930	5630	5720	5310	5160	5220	1720	1600	1660	962	915	937
22	6160	5910	6050	5370	5060	5260	1840	1710	1780	2480	744	905
23	6250	5970	6120	5140	4970	5060	1860	1620	1770	1020	601	654
24	6510	6230	6390	5110	4900	5010	1620	1300	1400	662	605	635
25	6560	5830	6230	4980	4700	4840	1500	1330	1430	630	597	620
26	6320	5690	5890	5260	4930	5070	1590	1490	1530	1480	597	661
27	6610	6310	6510	5670	5240	5490	1720	1490	1580	2040	608	728
28	6670	6560	6610	5930	5650	5800	2010	1710	1900	627	556	593
29	---	---	---	5940	5750	5840	2010	1630	1830	1170	556	636
30	---	---	---	5800	4720	5450	1650	1550	1600	857	554	611
31	---	---	---	4730	4200	4390	---	---	---	1270	616	724
MONTH	6670	1870	3940	6910	4200	5710	6440	1100	2230	2650	554	1230

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	1830	1250	1500	643	594	614	693	610	669	610	582	596
2	1260	1050	1170	624	602	617	614	572	594	590	553	574
3	1150	1020	1090	624	575	612	610	564	589	555	541	547
4	1140	1040	1080	579	553	566	578	546	562	587	550	562
5	1040	924	969	621	560	594	605	549	578	578	545	560
6	1170	670	897	631	612	621	596	549	565	586	535	555
7	671	582	612	620	591	611	579	512	540	557	520	541
8	582	558	566	600	569	584	655	579	630	553	498	530
9	637	560	593	602	583	591	608	579	593	519	480	495
10	668	635	650	635	574	595	631	596	615	519	501	510
11	673	616	636	629	588	609	641	587	613	521	485	500
12	690	618	647	641	616	629	639	604	622	527	492	509
13	684	658	673	667	619	643	619	582	602	530	497	509
14	979	655	722	636	588	599	652	590	628	529	500	514
15	1010	966	985	592	573	582	599	567	585	519	497	512
16	982	937	957	586	564	575	640	586	614	540	487	517
17	1070	952	997	623	567	588	657	619	638	524	505	516
18	1070	966	1030	613	579	596	638	586	600	544	501	530
19	1210	598	834	616	574	597	599	566	586	537	479	513
20	650	591	614	611	584	594	569	551	557	508	483	499
21	654	625	637	612	573	592	575	551	564	508	477	493
22	755	636	712	619	588	605	605	563	583	510	471	482
23	776	629	722	628	594	608	617	598	607	578	505	524
24	630	570	591	617	589	604	631	606	619	562	466	487
25	659	560	605	642	598	620	627	599	617	504	472	496
26	614	589	604	664	626	646	601	576	588	473	448	458
27	617	585	602	681	644	661	631	586	609	480	456	467
28	604	574	591	680	662	672	630	590	605	483	457	471
29	672	595	637	674	656	666	603	591	597	481	452	470
30	720	641	688	668	656	662	616	591	606	470	450	461
31	---	---	---	691	654	670	610	584	600	---	---	---
MONTH	1830	558	787	691	553	614	693	512	599	610	448	513

CARSON RIVER BASIN

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

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.5	17.0	19.0	12.5	9.5	11.0	5.5	2.5	4.0	6.5	5.0	5.5
2	22.0	17.5	19.5	12.0	9.0	10.5	5.0	3.0	4.0	6.0	3.5	5.0
3	21.5	18.0	19.5	12.0	9.0	10.0	6.0	2.5	4.0	7.5	4.5	6.0
4	22.0	18.0	19.5	12.5	9.0	10.5	5.0	2.5	3.5	7.0	3.5	5.0
5	21.0	18.0	19.5	12.5	9.0	11.0	4.0	2.5	3.5	5.0	3.0	4.0
6	20.5	17.0	19.0	12.0	8.5	10.5	6.0	2.0	4.0	4.5	3.5	4.0
7	19.5	16.5	18.5	12.0	8.5	10.5	6.0	2.5	4.0	5.0	3.0	4.0
8	18.5	16.5	17.5	8.5	6.5	7.5	5.0	2.0	3.5	5.5	2.5	4.0
9	17.0	14.5	15.5	8.5	5.0	7.0	4.0	2.0	2.5	5.5	2.5	4.5
10	15.5	12.5	14.0	9.0	4.0	6.5	3.0	1.0	2.0	6.5	3.5	5.0
11	15.0	13.0	14.0	11.0	5.0	8.0	4.5	1.5	2.5	6.0	2.5	4.5
12	14.5	11.5	13.0	11.5	7.5	9.0	4.5	2.0	3.0	6.5	3.5	5.0
13	15.0	11.0	12.5	10.5	9.0	9.5	5.0	2.5	3.5	6.0	3.0	4.5
14	16.0	12.0	13.5	11.0	9.0	10.0	4.5	2.0	3.0	5.5	2.0	3.5
15	15.5	12.5	14.0	10.5	8.0	9.0	4.0	1.5	2.5	4.0	1.5	2.5
16	15.5	13.0	14.0	10.5	8.0	9.5	3.5	2.0	2.5	5.0	1.5	2.5
17	17.0	13.5	15.0	11.5	8.0	9.5	3.5	1.5	2.5	5.0	1.5	2.5
18	16.0	13.5	14.5	10.5	6.5	8.5	4.0	1.5	2.5	5.0	1.5	3.0
19	15.5	12.5	14.0	8.0	4.5	6.5	3.5	1.0	2.0	3.5	1.0	2.0
20	16.5	13.5	15.0	7.0	4.5	6.0	3.5	0.0	1.5	3.5	1.0	2.5
21	16.5	13.5	15.0	7.0	5.5	6.5	---	---	---	4.5	2.0	3.5
22	15.5	13.5	14.5	9.0	6.0	7.5	3.0	0.0	2.0	4.5	1.0	2.5
23	15.0	13.5	14.5	7.5	4.0	6.0	3.5	2.0	2.5	4.5	1.0	2.5
24	13.5	11.0	12.0	7.0	4.5	5.5	5.5	2.0	3.5	5.0	1.5	3.0
25	13.0	10.0	11.5	6.0	3.0	4.5	3.5	1.5	2.5	3.0	0.5	1.5
26	13.5	10.0	11.5	5.5	2.5	4.0	4.0	2.0	3.0	3.5	0.5	1.5
27	12.5	11.0	11.5	5.5	2.0	3.5	4.5	2.0	3.0	3.5	0.5	1.5
28	13.0	10.5	11.5	3.0	2.0	2.5	4.0	2.0	3.0	4.0	1.0	2.0
29	13.0	10.5	11.5	3.5	2.0	2.5	5.0	3.0	4.0	4.0	1.0	2.0
30	12.5	11.0	12.0	5.0	1.0	3.0	5.0	3.5	4.5	3.5	0.5	1.5
31	13.0	10.0	11.5	---	---	---	7.0	4.5	5.5	3.5	0.5	1.5
MONTH	22.0	10.0	14.8	12.5	1.0	7.5	---	---	---	7.5	0.5	3.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.0	0.5	1.0	8.5	2.5	5.0	22.5	11.0	16.0	13.0	11.0	12.5
2	4.0	0.5	1.5	9.0	2.5	5.0	21.5	12.0	15.5	20.5	11.0	15.5
3	4.5	0.5	2.0	9.5	2.5	5.5	18.5	11.0	15.0	24.0	15.0	19.0
4	5.0	0.5	2.0	10.0	3.0	6.5	21.0	13.5	17.0	24.5	15.0	19.5
5	4.5	0.5	2.0	11.5	4.5	8.0	19.0	15.5	17.0	24.0	15.5	19.5
6	5.5	0.5	2.5	10.5	7.0	8.5	19.5	13.5	16.5	24.5	14.5	19.0
7	5.0	2.0	3.0	10.5	6.5	8.0	20.0	12.0	16.0	20.5	13.0	17.0
8	6.5	1.0	3.5	10.0	3.5	6.5	20.0	14.0	17.0	20.5	9.5	14.5
9	7.0	2.0	4.0	10.0	4.0	7.0	17.5	13.0	16.0	20.0	11.0	15.5
10	6.5	2.0	4.0	8.0	6.0	7.0	19.0	12.0	15.0	17.5	13.5	15.5
11	8.0	2.5	4.5	11.5	4.5	8.0	21.5	13.5	17.0	19.0	12.0	15.5
12	8.5	3.0	5.0	13.0	8.5	10.0	22.0	13.5	17.5	20.0	14.0	17.5
13	6.5	2.0	4.5	9.0	4.5	7.0	21.0	13.5	17.5	21.5	15.5	19.0
14	9.0	4.0	6.5	9.0	3.5	6.0	21.5	16.0	19.0	22.0	16.0	19.5
15	7.5	3.5	6.0	9.5	3.0	6.0	16.0	10.0	13.5	22.0	15.5	19.0
16	8.5	4.0	6.0	8.5	4.5	6.5	10.0	7.5	9.0	24.0	16.0	20.0
17	9.0	5.0	7.0	7.5	3.5	5.0	13.5	7.5	10.0	26.0	16.0	21.0
18	9.0	5.0	7.0	10.0	2.5	6.0	11.0	8.0	9.5	27.0	18.5	22.5
19	9.5	6.0	7.5	13.5	3.5	8.5	11.5	7.5	9.5	22.0	17.0	19.5
20	9.5	6.5	8.0	14.5	7.0	10.5	14.0	8.0	11.0	17.5	14.5	16.0
21	11.5	6.0	9.0	13.5	8.5	11.5	17.5	10.0	14.0	18.5	10.5	14.5
22	11.5	7.0	9.5	14.5	10.0	12.0	20.0	13.0	16.5	21.0	10.5	15.5
23	10.5	7.5	9.0	13.0	8.5	10.5	21.0	14.5	18.0	20.0	12.5	16.0
24	12.0	5.5	8.5	11.5	8.5	10.0	18.0	13.5	16.0	22.5	14.0	18.0
25	11.0	5.5	8.0	13.5	7.0	10.5	21.0	14.0	17.5	23.5	16.0	19.5
26	11.0	5.0	7.5	16.0	8.0	12.0	20.0	15.5	17.5	24.5	18.0	21.0
27	11.0	5.0	7.5	18.0	9.5	13.5	19.5	14.0	16.0	25.0	18.5	21.5
28	10.0	4.0	6.5	18.0	10.5	13.5	18.0	12.0	15.0	25.5	18.0	21.5
29	---	---	---	17.5	10.5	14.0	16.5	14.0	15.5	28.0	19.5	23.5
30	---	---	---	19.0	10.0	14.5	17.5	12.0	14.5	29.5	22.0	25.5
31	---	---	---	21.0	11.0	15.5	---	---	---	29.5	22.5	25.5
MONTH	12.0	0.5	5.5	21.0	2.5	9.0	22.5	7.5	15.2	29.5	9.5	18.7

CARSON RIVER BASIN

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

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.5	21.0	23.0	30.0	24.0	26.5	28.0	24.0	25.5	25.5	21.5	23.5
2	26.5	16.5	21.5	30.0	23.5	26.5	27.5	22.5	25.0	25.5	21.5	23.5
3	27.5	17.5	22.5	29.5	23.5	26.5	28.0	22.5	25.0	25.0	22.0	23.5
4	28.0	18.5	23.0	29.0	22.5	25.5	26.5	21.5	24.0	22.5	19.5	21.0
5	29.5	20.0	24.5	29.5	23.0	26.0	25.0	20.0	22.5	21.5	18.0	20.0
6	28.5	20.5	24.5	30.0	23.5	26.5	24.5	19.0	22.0	20.0	18.0	19.0
7	27.5	21.5	24.0	30.5	24.5	26.5	24.5	19.5	21.5	19.0	15.5	17.5
8	22.5	16.5	19.5	28.5	22.5	25.0	25.0	18.0	21.5	19.5	16.0	18.0
9	20.0	13.5	16.5	29.0	22.0	25.5	25.5	18.5	21.5	20.5	16.5	18.5
10	21.0	14.0	17.0	30.5	23.5	27.0	26.0	19.5	22.0	21.0	17.0	19.0
11	23.5	15.0	19.0	30.5	24.5	27.5	27.0	21.0	23.5	22.0	17.5	19.5
12	25.5	17.5	21.0	28.5	25.0	26.5	27.0	22.5	24.5	22.5	18.0	20.0
13	27.5	19.5	23.0	29.0	23.5	26.0	27.0	21.5	24.0	23.0	19.0	21.0
14	28.5	21.0	24.5	29.0	23.5	26.0	28.0	22.0	25.0	23.0	19.5	21.5
15	29.0	20.0	24.5	29.5	24.0	26.5	28.5	23.5	26.0	22.0	19.5	20.5
16	28.5	20.0	24.0	30.0	24.0	27.0	29.0	24.0	26.5	21.5	18.0	19.5
17	27.5	19.5	23.5	29.0	25.0	26.5	27.0	23.5	25.5	21.0	18.0	19.5
18	28.0	21.0	24.5	25.5	21.5	24.0	26.0	22.0	24.0	20.0	17.0	18.5
19	27.0	19.5	23.0	27.5	20.0	23.0	26.0	21.5	23.5	20.0	16.0	18.0
20	27.0	20.5	23.0	28.5	21.0	24.5	23.5	20.5	22.0	21.0	17.0	19.0
21	27.0	21.5	23.5	28.5	22.0	25.0	23.0	18.0	20.5	21.5	17.5	19.5
22	27.5	19.5	23.0	29.0	23.5	26.0	23.5	18.5	21.0	22.0	18.0	20.0
23	28.5	21.5	24.5	28.5	23.0	25.5	24.5	19.5	22.0	22.0	18.0	20.0
24	29.0	22.0	25.5	29.5	22.5	26.0	24.5	19.5	22.0	21.5	18.5	20.0
25	29.0	22.5	25.5	29.0	23.5	26.0	24.0	20.0	22.0	20.5	18.0	19.0
26	29.5	22.5	26.0	28.0	22.5	25.0	24.0	20.0	22.0	19.0	16.0	17.5
27	30.5	23.5	26.5	28.5	22.0	25.0	23.5	19.5	21.5	18.5	16.5	17.5
28	29.5	23.0	26.5	27.5	22.0	24.5	24.0	19.5	21.5	18.5	15.5	17.0
29	30.0	23.5	26.5	28.0	21.0	24.5	25.5	21.0	23.5	18.0	15.5	17.0
30	30.5	23.5	27.0	28.5	23.0	25.5	25.5	22.0	24.0	17.5	14.5	16.0
31	---	---	---	29.0	23.5	26.0	25.5	21.5	23.5	---	---	---
MONTH	30.5	13.5	23.4	30.5	20.0	25.7	29.0	18.0	23.2	25.5	14.5	19.5

CARSON RIVER BASIN

1031221902 S-LINE DIVERSION CANAL NEAR STILLWATER, NV

LOCATION.--Lat 39°32'01", long 118°31'06", in NE $^1/_4$ NE $^1/_4$ sec.8, 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 NGVD of 1929, from topographic map.

REMARKS.--Records fair. Annual mean listed below in summary statistics, represents average discharge for water year 1992. See schematic diagram of Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 51 ft^3/s, September 27, 2002; no flow at times, most years.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	18	---	---	---	---	0.00	1.1	1.0	0.14	0.10	26
2	35	9.0	---	---	---	---	0.00	0.71	0.92	0.14	0.09	28
3	32	9.9	---	---	---	---	0.00	1.5	0.87	0.13	0.00	19
4	29	21	---	---	---	---	0.00	1.4	0.87	0.12	0.02	24
5	31	21	---	---	---	---	0.00	0.71	0.87	0.12	0.29	22
6	28	11	---	---	---	---	0.00	0.81	0.97	0.09	0.30	21
7	33	0.30	---	---	---	---	0.00	0.89	0.84	0.16	0.26	25
8	38	2.4	---	---	---	---	0.38	1.3	0.82	0.09	0.20	29
9	31	7.6	---	---	---	---	1.4	0.82	0.94	0.15	4.5	28
10	22	6.9	---	---	---	---	1.4	0.88	0.87	0.04	4.2	26
11	31	3.5	---	---	---	---	1.1	1.2	0.84	0.27	3.6	11
12	31	6.1	---	---	---	---	0.92	1.0	0.80	0.13	6.8	28
13	33	14	---	---	---	---	1.2	1.3	0.85	0.23	5.1	26
14	26	13	---	---	---	---	1.8	1.3	0.57	0.17	0.96	25
15	20	1.9	---	---	---	---	1.1	1.2	0.00	0.14	1.1	17
16	26	---	---	---	---	---	2.2	1.1	0.00	0.12	0.55	21
17	18	---	---	---	---	---	2.2	1.1	0.00	0.12	0.53	15
18	19	---	---	---	---	---	1.9	1.0	0.00	0.11	0.59	13
19	24	---	---	---	---	0.00	1.9	0.96	0.00	0.13	0.57	14
20	28	---	---	---	---	0.00	1.7	0.88	0.00	0.12	19	17
21	35	---	---	---	---	0.00	1.3	0.80	0.00	0.12	30	21
22	33	---	---	---	---	0.00	1.2	0.76	0.00	0.12	24	24
23	23	---	---	---	---	0.00	1.1	0.97	0.07	0.10	21	14
24	18	---	---	---	---	0.00	1.7	1.1	0.22	0.08	22	19
25	29	---	---	---	---	0.00	1.2	0.91	0.11	0.08	16	18
26	33	---	---	---	---	0.00	0.86	0.77	0.21	0.09	19	29
27	17	---	---	---	---	0.00	0.61	0.68	0.21	0.08	28	41
28	33	---	---	---	---	0.00	0.71	0.82	0.14	0.08	26	28
29	28	---	---	---	---	0.00	1.4	0.82	0.13	0.07	26	25
30	27	---	---	---	---	0.00	1.9	1.0	0.24	0.08	17	20
31	24	---	---	---	---	0.00	---	0.99	---	0.08	22	---
TOTAL	860	---	---	---	---	---	31.18	30.78	13.36	3.70	299.76	674
MEAN	27.74	---	---	---	---	---	1.039	0.993	0.445	0.119	9.670	22.47
MAX	38	---	---	---	---	---	2.2	1.5	1.0	0.27	30	41
MIN	17	---	---	---	---	---	0.00	0.68	0.00	0.04	0.00	11
AC-FT	1710	---	---	---	---	---	62	61	26	7.3	595	1340

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2002, BY WATER YEAR (WY)

MEAN	20.64	0.000	0.000	0.000	0.000	4.074	4.621	9.711	8.829	10.80	13.44	19.22
MAX	29.0	0.000	0.000	0.000	0.000	25.1	11.1	21.5	20.4	17.1	21.1	29.8
(WY)	1999	1992	1992	1992	1992	1996	1998	1995	1995	2000	1998	1996
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.45	0.91	0.45	0.12	0.23	0.000
(WY)	1995	1992	1992	1992	1992	1992	1997	2000	2002	2002	1992	1992

SUMMARY STATISTICS	WATER YEARS 1991 - 2002	
ANNUAL MEAN	2.82	
HIGHEST ANNUAL MEAN	2.82	1992
LOWEST ANNUAL MEAN	2.82	1992
HIGHEST DAILY MEAN	41	Sep 27 2002
LOWEST DAILY MEAN	0.00	May 24 1991
ANNUAL SEVEN-DAY MINIMUM	0.00	May 24 1991
ANNUAL RUNOFF (AC-FT)	2040	
10 PERCENT EXCEEDS	15	
50 PERCENT EXCEEDS	0.00	
90 PERCENT EXCEEDS	0.00	

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE.--June 1991 to current year.
WATER TEMPERATURE.--June 1991 to current year.

INSTRUMENTATION.--Water-quality monitor June 1991 to September 1992, hourly; March 1993 to current year (irrigation season only), 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. In April 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 intermittent streamflow (see Water-Discharge Record) and instrument malfunction. Reported values are for days with continuous flow.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE.--Maximum recorded, 914 microsiemens, April 2, 1994; minimum recorded, 171 microsiemens, May 13, 2000.
WATER TEMPERATURE.--Maximum recorded, 32.5°C, July 2, 2001; minimum recorded, 3.0°C, March 1, 1996.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Maximum recorded during period of operation, 873 microsiemens, April 9; minimum recorded, 321 microsiemens, September 23 and 24.
WATER TEMPERATURE.--Maximum recorded during period of operation, 32.0°C, July 2, 10; minimum recorded, 6.5°C, November 10.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	437	429	433	437	431	434	---	---	---	---	---	---
2	436	429	433	439	431	436	---	---	---	---	---	---
3	435	427	432	440	434	437	---	---	---	---	---	---
4	434	426	430	442	435	439	---	---	---	---	---	---
5	445	411	430	456	439	448	---	---	---	---	---	---
6	469	445	457	460	451	456	---	---	---	---	---	---
7	480	463	471	463	443	453	---	---	---	---	---	---
8	501	479	490	458	446	453	---	---	---	---	---	---
9	499	486	493	465	449	457	---	---	---	---	---	---
10	491	463	477	485	465	478	---	---	---	---	---	---
11	463	427	447	503	485	495	---	---	---	---	---	---
12	429	404	415	517	501	507	---	---	---	---	---	---
13	418	405	412	521	514	519	---	---	---	---	---	---
14	437	407	422	525	513	520	---	---	---	---	---	---
15	436	409	427	---	---	---	---	---	---	---	---	---
16	435	427	430	---	---	---	---	---	---	---	---	---
17	441	426	433	---	---	---	---	---	---	---	---	---
18	439	427	435	---	---	---	---	---	---	---	---	---
19	450	425	436	---	---	---	---	---	---	---	---	---
20	450	405	423	---	---	---	---	---	---	---	---	---
21	432	414	424	---	---	---	---	---	---	---	---	---
22	433	411	423	---	---	---	---	---	---	---	---	---
23	427	412	422	---	---	---	---	---	---	---	---	---
24	426	409	420	---	---	---	---	---	---	---	---	---
25	409	395	401	---	---	---	---	---	---	---	---	---
26	406	396	401	---	---	---	---	---	---	---	---	---
27	412	404	407	---	---	---	---	---	---	---	---	---
28	419	410	413	---	---	---	---	---	---	---	---	---
29	426	418	422	---	---	---	---	---	---	---	---	---
30	431	425	428	---	---	---	---	---	---	---	---	---
31	435	428	432	---	---	---	---	---	---	---	---	---
MONTH	501	395	433	---	---	---	---	---	---	---	---	---

CARSON RIVER BASIN

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

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	447	441	444
2	---	---	---	---	---	---	---	---	---	448	440	444
3	---	---	---	---	---	---	---	---	---	462	444	451
4	---	---	---	---	---	---	---	---	---	458	446	451
5	---	---	---	---	---	---	---	---	---	458	448	452
6	---	---	---	---	---	---	---	---	---	462	449	455
7	---	---	---	---	---	---	1020	883	911	461	453	458
8	---	---	---	---	---	---	908	852	878	475	452	462
9	---	---	---	---	---	---	873	788	808	483	472	477
10	---	---	---	---	---	---	794	735	752	487	474	482
11	---	---	---	---	---	---	766	750	758	489	477	483
12	---	---	---	---	---	---	775	758	766	494	476	485
13	---	---	---	---	---	---	803	686	774	516	489	505
14	---	---	---	---	---	---	687	570	594	508	491	502
15	---	---	---	---	---	---	580	502	559	499	449	478
16	---	---	---	---	---	---	529	492	505	450	429	441
17	---	---	---	---	---	---	537	515	524	445	431	440
18	---	---	---	---	---	---	517	511	515	448	429	440
19	---	---	---	---	---	---	515	508	511	444	429	438
20	---	---	---	---	---	---	514	498	508	442	431	437
21	---	---	---	---	---	---	500	489	495	436	423	430
22	---	---	---	---	---	---	494	485	489	428	412	423
23	---	---	---	---	---	---	501	491	497	425	412	419
24	---	---	---	---	---	---	508	497	503	421	401	411
25	---	---	---	---	---	---	513	503	507	411	401	406
26	---	---	---	---	---	---	518	502	507	414	406	409
27	---	---	---	---	---	---	515	501	508	415	406	411
28	---	---	---	---	---	---	508	447	476	418	409	413
29	---	---	---	---	---	---	453	437	445	424	415	418
30	---	---	---	---	---	---	447	438	441	495	420	434
31	---	---	---	---	---	---	---	---	---	495	426	439
MONTH	---	---	---	---	---	---	---	---	---	516	401	446

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	458	434	446	461	434	449	411	396	406	503	449	471
2	447	439	444	485	456	469	446	404	417	449	429	436
3	448	436	444	488	462	476	---	---	---	435	402	416
4	445	438	442	476	453	465	500	428	450	410	393	402
5	458	441	447	465	447	457	521	416	486	404	388	395
6	475	455	465	456	441	449	423	384	401	415	378	398
7	470	452	463	452	420	438	407	384	395	434	389	421
8	463	442	454	423	411	418	404	389	395	478	389	447
9	448	437	444	427	415	421	406	389	399	481	404	453
10	445	436	442	431	415	424	413	399	402	415	393	405
11	445	438	442	434	417	426	416	401	407	397	377	387
12	446	439	443	428	413	420	418	396	404	387	367	378
13	466	440	455	431	411	422	431	412	420	381	347	370
14	---	---	---	429	417	422	462	413	427	369	339	364
15	---	---	---	440	414	423	481	449	470	373	361	366
16	---	---	---	429	410	421	484	473	479	385	359	378
17	---	---	---	428	413	420	488	477	482	401	377	389
18	---	---	---	423	411	418	488	476	481	398	376	389
19	---	---	---	417	402	410	493	474	482	423	384	409
20	---	---	---	417	394	409	491	420	440	409	367	389
21	---	---	---	407	390	398	424	381	412	391	348	370
22	---	---	---	401	383	393	426	399	415	359	336	347
23	---	---	---	398	379	388	422	382	413	344	321	330
24	490	444	459	393	377	386	444	375	414	379	321	348
25	508	490	503	392	377	385	445	408	432	362	347	354
26	503	490	497	389	376	382	460	439	450	364	344	356
27	502	491	496	387	373	380	468	443	457	360	338	351
28	500	446	489	395	378	387	475	450	463	371	351	363
29	448	426	434	403	390	397	470	432	456	389	362	373
30	452	432	439	408	397	402	442	427	435	406	386	394
31	---	---	---	408	395	403	464	432	446	---	---	---
MONTH	---	---	---	488	373	418	---	---	---	503	321	388

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

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.0	16.5	18.5	12.0	9.5	10.5	---	---	---	---	---	---
2	21.0	17.5	19.0	11.5	9.0	10.0	---	---	---	---	---	---
3	22.0	18.0	19.5	11.5	9.0	10.0	---	---	---	---	---	---
4	21.0	18.0	19.5	11.5	9.0	10.0	---	---	---	---	---	---
5	21.0	18.0	19.0	12.0	9.0	10.5	---	---	---	---	---	---
6	20.5	17.0	19.0	12.0	9.5	10.5	---	---	---	---	---	---
7	20.0	16.5	18.0	12.0	9.5	11.0	---	---	---	---	---	---
8	19.0	17.0	18.0	9.5	7.5	8.5	---	---	---	---	---	---
9	17.5	15.0	16.0	10.0	7.0	8.0	---	---	---	---	---	---
10	15.5	13.0	14.0	9.0	6.5	7.5	---	---	---	---	---	---
11	14.5	13.0	13.5	10.0	7.5	8.5	---	---	---	---	---	---
12	14.5	11.5	13.0	10.0	8.0	9.0	---	---	---	---	---	---
13	14.0	11.5	13.0	10.5	9.0	9.5	---	---	---	---	---	---
14	14.5	11.5	13.0	11.5	9.0	10.0	---	---	---	---	---	---
15	14.5	12.0	13.0	---	---	---	---	---	---	---	---	---
16	14.5	13.0	13.5	---	---	---	---	---	---	---	---	---
17	16.0	12.5	14.0	---	---	---	---	---	---	---	---	---
18	15.5	12.5	14.0	---	---	---	---	---	---	---	---	---
19	15.0	12.5	13.5	---	---	---	---	---	---	---	---	---
20	16.0	13.0	14.5	---	---	---	---	---	---	---	---	---
21	16.0	13.5	14.5	---	---	---	---	---	---	---	---	---
22	15.5	13.5	14.5	---	---	---	---	---	---	---	---	---
23	15.5	13.5	14.5	---	---	---	---	---	---	---	---	---
24	14.0	11.0	12.5	---	---	---	---	---	---	---	---	---
25	12.5	10.0	11.5	---	---	---	---	---	---	---	---	---
26	13.0	10.0	11.5	---	---	---	---	---	---	---	---	---
27	12.0	10.0	11.0	---	---	---	---	---	---	---	---	---
28	12.0	10.5	11.0	---	---	---	---	---	---	---	---	---
29	12.0	10.5	11.0	---	---	---	---	---	---	---	---	---
30	11.5	11.0	11.5	---	---	---	---	---	---	---	---	---
31	12.0	10.0	11.0	---	---	---	---	---	---	---	---	---
MONTH	22.0	10.0	14.5	---	---	---	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	14.5	12.5	13.5
2	---	---	---	---	---	---	---	---	---	19.0	11.5	15.0
3	---	---	---	---	---	---	---	---	---	20.5	15.0	17.0
4	---	---	---	---	---	---	---	---	---	20.5	16.0	18.0
5	---	---	---	---	---	---	---	---	---	25.0	16.5	19.5
6	---	---	---	---	---	---	---	---	---	22.0	15.0	18.5
7	---	---	---	---	---	---	23.0	9.5	16.0	19.5	14.5	17.5
8	---	---	---	---	---	---	18.5	11.0	15.0	19.0	13.5	16.0
9	---	---	---	---	---	---	17.5	15.5	16.0	20.0	14.0	17.0
10	---	---	---	---	---	---	18.0	14.0	15.5	19.0	14.0	16.0
11	---	---	---	---	---	---	18.0	14.5	16.0	19.0	14.0	15.5
12	---	---	---	---	---	---	19.5	15.0	16.5	20.5	14.5	17.5
13	---	---	---	---	---	---	23.5	9.5	17.0	21.0	15.0	18.0
14	---	---	---	---	---	---	20.0	15.5	17.5	22.0	17.0	19.5
15	---	---	---	---	---	---	15.5	11.0	13.0	22.5	16.5	19.5
16	---	---	---	---	---	---	12.5	9.5	11.0	22.0	16.5	19.0
17	---	---	---	---	---	---	11.5	9.0	10.0	22.5	17.0	20.0
18	---	---	---	---	---	---	11.0	9.5	10.0	24.0	19.0	21.0
19	---	---	---	---	---	---	11.5	9.0	10.0	22.5	17.5	20.0
20	---	---	---	---	---	---	11.5	9.5	10.5	19.0	15.5	17.0
21	---	---	---	---	---	---	17.5	9.5	12.5	17.5	13.0	15.0
22	---	---	---	---	---	---	15.5	11.0	13.0	18.0	12.0	15.0
23	---	---	---	---	---	---	15.5	13.0	14.0	19.0	13.0	15.5
24	---	---	---	---	---	---	14.0	11.0	13.0	20.0	15.5	17.5
25	---	---	---	---	---	---	17.0	12.5	14.5	20.5	15.5	18.5
26	---	---	---	---	---	---	18.0	14.0	15.0	22.0	17.0	19.5
27	---	---	---	---	---	---	19.5	13.0	15.5	22.0	17.5	20.0
28	---	---	---	---	---	---	18.0	10.5	15.0	23.0	17.5	20.0
29	---	---	---	---	---	---	15.5	12.5	14.5	24.0	19.0	21.5
30	---	---	---	---	---	---	16.5	13.5	15.0	26.0	21.5	23.5
31	---	---	---	---	---	---	---	---	---	27.0	22.0	24.0
MONTH	---	---	---	---	---	---	---	---	---	27.0	11.5	18.2

CARSON RIVER BASIN

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

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.0	21.5	23.5	31.0	23.0	27.0	25.5	22.0	24.0	26.0	21.5	24.0
2	23.0	19.5	21.0	32.0	23.0	27.0	25.0	21.0	23.0	25.5	23.0	24.0
3	23.0	18.5	21.0	31.5	23.0	26.5	---	---	---	25.5	22.0	23.5
4	23.0	19.0	21.0	31.0	22.0	26.5	27.5	15.5	22.0	23.0	21.0	22.0
5	24.5	19.5	22.0	31.0	23.0	26.5	23.5	19.5	21.5	22.0	19.5	20.5
6	27.0	21.0	23.5	30.5	23.0	26.5	23.0	20.0	21.5	20.0	18.5	19.5
7	25.5	21.5	23.5	31.5	23.0	26.5	22.0	19.0	21.0	19.5	16.5	18.0
8	22.0	18.0	20.0	29.5	20.5	25.5	21.5	17.5	19.5	19.5	16.5	18.0
9	19.0	15.5	17.0	29.5	21.5	25.5	23.5	17.5	21.0	20.0	16.0	18.0
10	19.5	15.5	17.0	32.0	22.0	27.0	25.5	20.0	22.5	20.5	17.5	19.0
11	20.5	15.5	18.0	29.0	23.5	26.5	27.5	21.0	23.5	21.5	17.0	19.5
12	21.5	17.0	19.0	28.5	23.5	25.5	25.5	21.5	23.5	22.5	18.5	20.5
13	23.5	17.5	20.5	29.0	22.0	25.0	26.0	22.5	24.0	22.5	19.0	20.5
14	---	---	---	27.5	22.0	25.0	27.0	21.5	24.0	22.5	20.0	21.0
15	---	---	---	29.0	22.0	25.5	27.5	23.0	25.0	22.0	20.0	21.0
16	---	---	---	29.5	22.5	26.0	27.5	23.5	25.5	21.5	19.0	20.0
17	---	---	---	28.5	23.5	26.0	26.0	22.5	24.5	22.0	18.0	20.0
18	---	---	---	25.0	21.5	23.0	25.5	21.5	23.5	21.0	17.0	19.0
19	---	---	---	25.5	19.5	22.5	25.0	21.0	23.0	20.5	16.5	18.5
20	---	---	---	27.0	21.0	24.0	24.5	21.5	22.5	21.0	16.0	18.5
21	---	---	---	26.5	21.5	24.0	23.0	20.5	22.0	21.5	18.0	19.5
22	---	---	---	27.5	22.0	24.5	23.5	20.0	21.5	21.5	18.0	19.5
23	---	---	---	27.0	21.5	24.0	23.5	19.5	21.5	22.0	18.0	20.0
24	29.0	23.0	25.5	27.0	21.5	24.0	23.5	19.5	22.0	22.0	17.0	19.5
25	27.5	21.5	24.5	27.0	21.5	24.0	24.5	20.0	22.0	22.0	19.0	20.0
26	28.0	21.0	24.0	25.0	20.5	23.0	24.5	21.0	22.5	19.5	16.5	18.0
27	29.0	22.0	25.0	26.0	20.5	23.5	23.5	21.0	22.0	19.5	16.5	18.0
28	28.5	21.0	24.5	26.0	20.5	23.0	23.5	20.5	22.0	18.0	16.0	17.0
29	30.0	22.5	26.0	26.0	20.5	23.0	24.5	21.0	22.5	18.0	16.5	17.0
30	30.5	23.0	26.5	26.0	21.5	24.0	25.0	21.5	23.5	17.5	15.5	16.5
31	---	---	---	26.5	22.0	24.5	25.5	21.5	24.0	---	---	---
MONTH	---	---	---	32.0	19.5	25.0	---	---	---	26.0	15.5	19.7

10312275 CARSON RIVER AT TARZYN ROAD NEAR FALLON, NV

LOCATION.--Lat 39°33'32", long 118°43'30", in NE $^1/_4$ NE $^1/_4$ sec.33, T.19 N., R.29 E., Churchill County, Hydrologic Unit 16050203, on right bank, 7 mi north-northeast of Fallon.

DRAINAGE AREA.--Indeterminate.

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

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

REMARKS.-- No estimated daily discharges. Records fair. 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 942 ft^3/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, 70 ft^3/s, July 15, gage height, 4.99 ft; minimum daily, 1.4 ft^3/s, March 24, 26.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	17	1.8	2.4	3.1	8.1	2.9	19	11	25	13	10
2	6.0	12	1.7	2.4	3.2	8.2	1.8	25	14	30	11	11
3	5.7	10	1.6	2.6	3.2	8.4	6.7	13	13	14	17	17
4	9.7	10	1.6	2.6	3.2	8.1	3.8	10	14	6.8	20	9.9
5	18	11	1.6	2.5	3.1	7.8	6.8	8.0	14	5.4	19	13
6	10	7.3	1.5	2.6	3.1	5.8	7.9	8.6	11	9.1	24	12
7	7.9	6.1	1.5	2.5	3.2	2.8	7.3	7.9	22	13	32	12
8	14	5.4	1.6	2.5	3.3	3.1	7.6	14	22	12	22	39
9	9.5	10	1.7	2.5	3.3	2.4	8.6	15	19	12	36	18
10	6.5	6.5	1.7	2.4	3.2	2.2	9.6	11	20	13	37	14
11	11	11	1.9	3.5	3.2	2.1	7.8	8.3	7.5	13	34	14
12	8.8	10	1.8	5.0	3.2	1.8	12	7.4	5.0	12	42	15
13	9.1	7.2	1.8	4.7	3.8	1.9	14	8.4	4.6	7.0	32	17
14	12	4.0	1.8	4.6	4.6	1.6	13	8.3	4.8	16	34	9.3
15	11	3.6	1.9	4.6	4.5	1.7	4.8	8.5	4.9	46	42	6.9
16	12	2.8	1.9	4.6	3.9	1.6	4.8	7.6	5.0	48	35	9.6
17	12	1.9	2.6	4.7	3.3	1.6	2.9	7.8	4.5	11	39	8.4
18	17	2.0	2.2	4.7	3.2	1.7	2.5	13	6.1	11	23	8.3
19	8.0	2.3	2.2	4.7	3.1	1.6	2.7	9.6	11	10	15	6.6
20	7.8	2.3	2.3	4.6	4.5	1.7	3.1	10	9.1	9.5	24	6.6
21	6.9	2.1	2.3	4.8	9.5	1.7	4.0	21	13	7.8	37	8.1
22	6.4	1.9	2.4	4.9	9.3	1.6	7.3	12	15	11	48	5.5
23	5.5	1.7	2.4	5.1	8.5	1.5	6.4	17	30	8.3	37	11
24	7.9	1.9	2.5	4.9	8.2	1.4	7.3	12	24	6.2	23	17
25	8.6	1.9	2.5	5.0	8.1	1.6	5.3	8.9	11	12	11	10
26	20	2.0	2.3	5.0	8.1	1.4	4.7	7.1	8.4	15	29	18
27	24	1.7	2.3	3.3	8.1	1.5	10	13	10	21	42	18
28	28	1.8	2.4	3.4	8.1	2.2	20	10	7.2	20	32	20
29	30	1.7	2.4	3.3	---	2.9	14	12	15	38	15	32
30	31	1.7	2.5	4.1	---	2.7	14	9.2	10	26	18	17
31	26	---	2.5	3.8	---	2.5	---	9.2	---	13	19	---
TOTAL	400.3	160.8	63.2	118.3	137.1	95.2	223.6	351.8	366.1	502.1	862	414.2
MEAN	12.91	5.360	2.039	3.816	4.896	3.071	7.453	11.35	12.20	16.20	27.81	13.81
MAX	31	17	2.6	5.1	9.5	8.4	20	25	30	48	48	39
MIN	5.5	1.7	1.5	2.4	3.1	1.4	1.8	7.1	4.5	5.4	11	5.5
AC-FT	794	319	125	235	272	189	444	698	726	996	1710	822

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2002, BY WATER YEAR (WY)

MEAN	8.958	5.855	4.264	43.07	53.73	76.83	31.34	109.5	115.1	35.62	14.66	11.34
MAX	19.1	13.7	12.3	660	727	582	428	441	624	319	29.5	19.3
(WY)	1987	1987	1994	1997	1997	1986	1986	1996	1995	1995	2002	1999
MIN	0.019	0.028	0.63	1.05	0.92	1.20	2.36	4.35	4.72	5.89	0.93	0.045
(WY)	1993	1993	1993	1992	1992	2001	1991	1992	1992	1991	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1985 - 2002	
ANNUAL TOTAL	2494.53		3694.7			
ANNUAL MEAN	6.834		10.12		43.39	
HIGHEST ANNUAL MEAN					170	1997
LOWEST ANNUAL MEAN					2.38	1992
HIGHEST DAILY MEAN	34	Sep 9	48	Jul 16	896	May 20 1996
LOWEST DAILY MEAN	0.71	Feb 11	1.4	Mar 24	0.00	Sep 29 1992
ANNUAL SEVEN-DAY MINIMUM	0.81	Feb 5	1.5	Mar 21	0.01	Sep 26 1992
MAXIMUM PEAK FLOW			70	Jul 15	942	May 27 1996
MAXIMUM PEAK STAGE			4.99	Jul 15	8.73	Jan 22 1997
ANNUAL RUNOFF (AC-FT)	4950		7330		31440	
10 PERCENT EXCEEDS	15		22		30	
50 PERCENT EXCEEDS	5.8		7.9		5.9	
90 PERCENT EXCEEDS	0.97		1.9		1.8	

CARSON RIVER BASIN

10312277 PAIUTE DRAIN BELOW TJ DRAIN NEAR STILLWATER, NV

LOCATION.--Lat 39°36'38", long 118°33'04", in SW $^1/_4$ SW $^1/_4$ sec.7, 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 current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,880 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow in canal is return flow from irrigated lands and ground water inflows from Fallon Indian Reservation. See schematic diagram of Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 198 ft^3/s, June 26, 1995; no flow many days, some years.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	4.4	2.0	4.1	1.4	0.50	0.95	7.1	14	3.4	1.2	2.0
2	2.2	9.1	1.9	4.0	1.6	0.49	0.45	4.8	9.7	3.3	0.83	1.3
3	7.1	9.4	1.9	4.4	1.8	0.48	0.26	3.2	6.1	2.8	1.5	1.3
4	8.6	9.8	1.7	4.4	1.7	0.51	0.26	3.9	4.3	2.0	3.2	2.5
5	8.2	8.8	1.7	4.3	1.9	0.52	0.27	6.0	4.2	1.2	5.6	2.5
6	6.7	8.8	1.6	4.3	2.4	0.54	3.6	14	3.2	0.74	5.4	2.3
7	7.6	7.5	1.4	4.3	3.2	0.66	1.3	7.8	3.4	0.86	4.0	5.8
8	7.9	3.2	1.4	4.3	3.2	0.70	1.8	6.7	2.8	1.9	3.7	5.4
9	7.9	1.9	1.3	4.2	3.1	0.62	1.2	5.0	2.7	3.6	3.7	4.8
10	7.7	1.6	1.5	4.0	3.9	0.64	0.73	6.2	2.8	5.3	4.6	3.9
11	7.5	1.6	1.6	3.6	5.2	0.61	1.9	7.3	2.9	5.0	5.0	5.0
12	8.0	1.6	1.6	3.3	5.6	3.8	8.9	10	2.9	5.0	3.2	4.4
13	9.9	1.8	1.5	3.3	5.2	5.7	8.4	4.6	3.9	3.9	6.1	3.4
14	8.6	1.9	1.3	2.9	4.4	5.8	7.9	4.4	1.7	2.0	4.5	2.6
15	11	1.9	1.1	2.6	3.9	6.0	7.7	5.6	1.1	1.9	14	3.0
16	10	2.4	1.2	2.2	3.9	6.2	4.9	7.9	0.75	1.7	17	2.7
17	9.1	1.9	1.1	1.7	4.5	6.3	3.7	14	2.6	1.7	11	3.3
18	8.4	1.5	1.4	1.5	4.7	6.0	6.4	10	2.2	1.3	9.6	3.3
19	6.9	1.5	1.3	1.7	3.9	4.4	8.9	9.1	1.9	2.3	17	3.4
20	10	1.4	1.3	e1.7	3.4	3.0	8.9	12	3.1	5.4	8.7	4.5
21	10	1.9	1.5	e1.7	2.8	3.1	5.9	15	1.8	3.2	8.8	3.7
22	9.8	2.2	1.9	e1.7	2.6	4.4	7.2	17	1.9	2.7	6.3	3.4
23	9.2	2.0	2.8	1.8	2.2	5.2	5.7	24	4.3	2.1	4.9	3.6
24	8.8	2.0	3.0	1.6	2.0	5.3	5.0	15	4.5	0.99	4.5	3.3
25	3.8	2.1	2.6	1.7	2.0	5.5	9.5	6.0	3.5	0.79	3.9	2.9
26	2.4	1.9	3.0	1.8	1.5	5.5	9.2	3.6	2.8	4.5	4.5	2.8
27	2.1	1.7	3.1	1.6	0.91	5.5	5.9	5.8	3.1	7.2	6.2	2.3
28	2.0	1.8	3.0	1.3	0.62	5.3	3.6	4.9	2.8	7.5	3.6	1.7
29	1.9	2.1	3.2	0.97	---	4.3	4.1	3.3	2.4	4.7	2.2	2.7
30	1.8	2.0	3.3	e1.4	---	2.9	6.8	3.9	2.2	2.9	2.0	5.0
31	1.8	---	4.1	1.4	---	1.8	---	9.4	---	2.2	2.2	---
TOTAL	209.4	101.7	61.3	83.77	83.53	102.27	141.32	257.5	105.55	94.08	178.93	98.8
MEAN	6.755	3.390	1.977	2.702	2.983	3.299	4.711	8.306	3.518	3.035	5.772	3.293
MAX	11	9.8	4.1	4.4	5.6	6.3	9.5	24	14	7.5	17	5.8
MIN	1.8	1.4	1.1	0.97	0.62	0.48	0.26	3.2	0.75	0.74	0.83	1.3
AC-FT	415	202	122	166	166	203	280	511	209	187	355	196

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2002, BY WATER YEAR (WY)

MEAN	8.214	3.787	3.168	8.540	11.01	19.05	10.50	18.45	24.52	8.258	7.221	10.07
MAX	23.7	12.3	13.9	55.0	83.4	71.6	57.4	66.3	82.1	41.3	16.7	37.4
(WY)	1997	1997	1998	1997	1997	1996	1998	1999	1995	1995	1999	1993
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.42	0.28	0.42	0.000	0.000
(WY)	1993	1993	1993	1993	1993	1992	1993	1993	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1991 - 2002	
ANNUAL TOTAL	1526.37		1518.15			
ANNUAL MEAN	4.182		4.159		11.05	
HIGHEST ANNUAL MEAN					28.8	1997
LOWEST ANNUAL MEAN					0.17	1992
HIGHEST DAILY MEAN	14	May 20	24	May 23	198	Jun 26 1995
LOWEST DAILY MEAN	0.20	Jan 16	0.26	Apr 3	0.00	Dec 26 1990
ANNUAL SEVEN-DAY MINIMUM	0.33	Jan 15	0.52	Feb 28	0.00	Dec 26 1990
ANNUAL RUNOFF (AC-FT)	3030		3010		8010	
10 PERCENT EXCEEDS	8.6		8.8		32	
50 PERCENT EXCEEDS	3.2		3.3		3.0	
90 PERCENT EXCEEDS	0.83		1.3		0.00	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1986 to May 1987, October 1990 to October 1996, April 1997 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE.--October 1990 to October 1996, April 1997 to current year.
WATER TEMPERATURE.--October 1990 to October 1996, April 1997 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1990, to August 1993, hourly; September to December 1993, four times per hour; January to October 1996 hourly; April 1997 to current year, four times per hour.

REMARKS.--Instantaneous specific-conductance and water-temperature measurements during a site visit can be slightly outside the range of values recorded during the same day by the water-quality monitor. This presumably is due to fluctuations in conductance and temperature during the interval between periodic monitor recordings. In April 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.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE.--Maximum recorded, 67,200 microsiemens, October 19, 1990; minimum recorded, 342 microsiemens, September 19, 1993.
WATER TEMPERATURE.--Maximum recorded, 36.5°C, July 28, 1991; minimum, freezing point or below, on many days during winter months most years due to extremely high conductance values.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Maximum recorded, 30,500 microsiemens, April 6; minimum recorded, 1100 microsiemens, October 14.
WATER TEMPERATURE.--Maximum recorded, 34.0°C, July 6; minimum, -0.5°C many days December to March.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	4680	3140	3680	11700	3030	6570	11200	10400	10800	6280	5500	5850
2	6480	4680	5780	3030	2290	2420	11900	10000	11300	5630	5150	5470
3	5860	1420	2050	2540	2330	2420	12500	11500	12100	5660	4960	5410
4	2330	1480	1930	2640	2300	2420	13300	12100	12600	5400	4650	5060
5	2400	1690	2130	2860	2390	2590	13200	11600	12300	4800	4600	4710
6	4300	1480	2780	3590	2860	3190	14100	12700	13200	4830	4620	4740
7	2810	1480	2260	3720	3270	3400	14100	13100	13600	4890	4750	4820
8	2590	1980	2280	7690	3720	5600	14400	12400	13500	5040	4800	4910
9	2380	1810	2110	9390	7690	8550	15300	12200	13900	5380	4940	5200
10	2190	1810	2040	10400	9390	9950	15300	13200	14200	5730	5380	5560
11	3340	1860	2810	11200	10400	10800	14100	12500	13400	6380	5650	5880
12	3140	2000	2600	11600	11100	11400	14100	12700	13400	6380	5910	6140
13	5320	2170	4320	11500	11000	11200	14400	13500	13900	6700	6340	6510
14	3080	1100	1880	11700	11200	11500	16000	13500	14400	8730	5560	6940
15	1250	1140	1190	11500	11100	11300	16100	15000	15600	9380	7050	8040
16	1480	1250	1390	11300	7870	9560	16500	13200	15500	11500	7690	9870
17	1850	1420	1670	7870	7380	7550	16600	14900	15700	13900	8350	10900
18	2710	1510	1960	9100	7660	8290	16600	15400	15900	14600	9890	12600
19	3980	1700	2690	11100	9100	10100	16200	12800	14900	14100	6270	10400
20	1910	1730	1820	12100	11100	11600	16100	13100	14900	11300	4610	8010
21	2690	1750	2050	12400	7480	9430	14800	13400	14000	7640	6160	6740
22	2960	2520	2810	9450	7790	8470	14400	7630	11700	10500	5620	7740
23	2520	1910	2170	9540	8900	9230	9530	6560	7820	11000	6240	8890
24	3880	1790	2240	9970	8980	9680	7430	6900	7200	15800	9020	13300
25	6830	3880	5450	10500	9740	10200	7700	5500	6860	15700	12300	14300
26	7700	6760	7230	11300	10500	10800	9910	5020	6740	16100	10800	13700
27	8680	7700	8120	12100	10100	11200	6560	5720	6060	16400	12100	14500
28	10000	8680	9380	12500	10500	11800	6480	5770	6180	18000	13400	16500
29	10700	10000	10400	11800	10500	10900	6590	5980	6320	19700	15200	17700
30	11000	10700	10900	11800	10400	11200	6500	6020	6270	24400	16900	21300
31	11500	11000	11300	---	---	---	6470	5610	6130	21600	16200	19200
MONTH	11500	1100	3920	12500	2290	8440	16600	5020	11600	24400	4600	9380

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	17400	15100	16400	25200	22800	23900	17000	10400	13300	7990	3330	5750
2	17800	11300	15400	25500	23300	24500	24800	17000	20900	3480	2750	3050
3	13800	10000	12200	25400	22900	24300	27700	24800	26500	4880	3480	4320
4	13900	9550	12500	24800	22700	24000	28400	26800	27700	4800	3930	4360
5	12900	9380	11900	24400	23200	24000	28300	27300	27900	3930	2060	3080
6	12900	7540	10100	24400	23800	24200	30500	9060	19500	2060	1280	1630
7	13800	6080	8390	24200	23800	24000	12200	8500	9760	4440	1550	3190
8	10800	6790	7660	25100	23900	24300	14300	9000	11900	6540	2110	2690
9	7300	5170	6350	25100	23900	24500	9000	7830	8180	10400	3400	6010
10	7120	4290	5250	24700	24000	24200	11800	8700	10100	4060	2530	3340
11	5500	2700	4190	24400	23800	24100	13800	4000	11600	4280	2980	3460
12	4480	3570	3900	24200	3260	9550	4000	2420	2850	4420	1680	2450
13	4850	4080	4360	3350	2870	3110	3500	1740	2530	3090	1690	2490
14	5500	4850	5130	3000	2860	2920	2060	1670	1820	3480	2780	3120
15	6190	4110	5570	3450	1980	2840	2380	1780	2080	3440	2600	3020
16	5790	5190	5470	3010	2770	2850	10300	1990	3540	2760	2010	2390
17	5680	4750	5140	2990	2660	2830	12700	4110	8560	5850	1740	3630
18	5850	5090	5460	3630	1880	2990	5150	2340	3770	2500	1870	2100
19	6700	5850	6130	4660	2580	3980	2860	1800	2330	2690	1650	2130
20	7950	6700	7100	5590	4380	5100	2460	1660	2010	4070	1800	2920
21	8790	7760	7970	5470	4060	4850	2440	1650	2050	2290	1530	1800
22	9450	8550	8810	4060	3240	3530	3230	2050	2470	1640	1270	1420
23	10900	8370	9910	3300	3070	3190	3780	2340	2950	2920	1330	2030
24	10900	9260	10100	3160	2970	3070	4420	2390	3000	2920	1510	2180
25	11300	9830	10200	3230	3020	3130	4900	1170	3200	2700	1570	2170
26	14900	11300	13000	3110	2900	3010	2730	1150	2170	4300	2700	3660
27	20200	14900	17900	3030	2800	2940	3530	2060	2490	3800	2820	3360
28	23800	20200	22000	3180	2810	3000	4700	3530	4350	3300	2490	2850
29	---	---	---	4150	3090	3590	5650	4580	5260	4490	2840	3630
30	---	---	---	6320	4130	5210	5270	3240	3890	7990	3550	6510
31	---	---	---	10400	6310	8030	---	---	---	5910	2580	4200
MONTH	23800	2700	9230	25500	1880	11200	30500	1150	8290	10400	1270	3190

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	3460	1810	2390	8890	2630	4740	5920	3560	4930	8240	6990	7740
2	2810	1800	2050	9020	4630	6770	8280	5920	7510	7450	6810	7130
3	3500	1590	2650	4640	3130	3900	11000	7800	9800	7480	5920	6790
4	1840	1560	1700	3580	3010	3300	9950	6480	8040	5940	3040	4290
5	4530	1580	3110	4120	3200	3740	9390	4570	6890	5600	3470	4490
6	5370	3580	4670	4700	4030	4450	4570	3180	3500	7990	3390	5160
7	3580	2310	2770	5250	4470	5040	3180	2920	3010	11300	2920	6760
8	2850	2310	2620	7910	4890	5400	4370	3140	4070	3230	1790	2550
9	5410	2710	3710	8730	6850	7870	4420	4000	4270	3200	2240	2530
10	6290	4280	5540	6860	3320	5630	4190	3000	3570	2930	1860	2230
11	4280	3670	4030	3320	1760	2260	4570	2900	3750	3970	2920	3590
12	8880	3730	4610	2960	2130	2550	4880	3420	4570	3810	2750	3140
13	10400	4610	8080	3330	2570	2780	3420	1680	2520	3060	2370	2550
14	4610	3750	3960	3860	3300	3450	6260	3090	4650	4780	2440	3250
15	6630	4110	5580	6320	3860	5740	4810	1280	3100	4860	3630	4190
16	7300	6630	6910	6510	5380	5900	1960	1250	1630	3630	2600	2930
17	8930	7180	8310	6970	5840	6560	2030	1310	1550	5540	1990	3280
18	7780	4060	5540	6550	5940	6250	2030	1460	1640	5970	3900	5020
19	5350	4370	4940	6800	2980	5480	1880	1450	1690	5790	2530	3920
20	9340	3910	5920	3700	2190	2780	2260	1650	1930	5820	3190	4310
21	10700	8390	9770	4900	2560	3630	2490	1580	2020	3190	2670	2790
22	8450	2640	5220	5430	4830	5060	3760	2420	3100	2800	1660	2190
23	4640	1480	2760	5960	4820	5280	4160	3170	3600	3590	2340	2970
24	4350	3250	3660	6940	5180	6300	3850	2800	3300	3710	2780	3360
25	4060	2440	3090	7720	5640	6760	2800	2480	2590	4160	2890	3600
26	2940	2190	2580	11800	6010	9150	2680	2260	2370	4630	3330	3990
27	4280	2270	3440	8380	2130	3320	2360	1520	1860	5920	4340	4820
28	3980	2600	3290	2200	1900	2000	3560	2060	2760	8520	5920	6810
29	3810	2310	2650	2420	1880	2210	5740	3560	4790	9120	4880	6920
30	4290	3180	3830	3140	2100	2640	7920	5730	6940	9060	4940	6880
31	---	---	---	3830	2950	3350	8740	7890	8340	---	---	---
MONTH	10700	1480	4310	11800	1760	4650	11000	1250	4010	11300	1660	4340

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

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	25.0	13.5	18.5	12.5	5.0	9.0	6.0	2.5	4.0	6.0	4.0	5.0
2	25.5	13.0	18.5	11.5	6.5	9.0	6.5	2.5	4.0	5.5	3.0	4.5
3	22.5	15.0	18.0	12.0	6.0	9.0	7.0	1.0	3.5	8.5	3.5	6.0
4	22.5	15.5	19.0	12.0	6.5	9.5	4.5	0.0	2.0	5.0	0.5	3.0
5	21.5	15.0	18.0	12.5	7.0	10.0	3.0	0.5	2.0	4.0	1.0	2.5
6	20.5	13.0	17.0	12.5	7.5	10.0	8.5	1.0	4.0	4.5	3.0	4.0
7	20.5	13.5	17.0	12.0	7.5	10.0	7.5	0.5	3.5	5.0	2.0	3.5
8	18.5	14.5	16.5	11.0	4.0	7.5	4.0	0.0	1.5	5.5	1.0	3.0
9	17.0	11.0	14.0	10.5	2.0	6.0	2.0	-0.5	0.5	5.0	1.0	3.0
10	15.0	9.0	12.0	10.0	2.0	5.5	2.0	-0.5	0.5	6.0	0.5	3.5
11	15.0	11.0	12.5	12.5	4.5	8.0	4.5	0.0	1.5	5.5	0.0	3.0
12	15.0	8.0	11.5	11.5	5.5	8.5	5.5	0.5	2.5	7.5	1.5	4.5
13	15.5	9.0	12.0	12.0	7.0	9.5	5.5	1.0	3.0	6.0	0.5	3.5
14	16.5	9.0	12.5	13.5	6.5	9.5	4.0	-0.5	2.5	4.5	0.0	2.0
15	15.5	10.0	13.0	12.0	5.0	8.5	2.5	-0.5	0.5	3.5	0.0	1.0
16	15.0	10.5	13.0	11.5	6.5	8.5	1.0	-0.5	0.0	4.0	-0.5	1.0
17	17.0	11.5	14.0	13.5	6.5	9.0	0.5	-0.5	0.0	4.0	0.0	1.0
18	16.0	10.5	13.0	10.5	4.0	6.5	1.5	-0.5	0.0	4.5	0.0	1.5
19	15.5	8.0	12.0	7.5	2.0	5.0	2.5	-0.5	0.5	1.5	0.0	0.5
20	17.0	11.0	14.0	6.5	2.5	4.5	3.5	-0.5	1.0	0.5	-0.5	0.0
21	17.0	11.0	14.0	7.5	4.5	6.0	4.0	0.0	1.5	3.5	0.0	1.0
22	16.0	11.0	13.5	10.0	5.0	7.5	1.5	-0.5	0.5	3.0	0.0	1.0
23	16.0	11.5	13.5	7.5	1.5	4.5	2.5	0.0	1.0	3.0	0.0	0.5
24	13.0	7.5	10.5	7.0	3.5	4.5	4.5	0.5	2.0	4.0	0.0	1.0
25	13.0	5.5	9.0	6.0	1.0	3.5	1.5	0.0	0.5	2.5	0.0	0.5
26	15.0	5.5	9.5	6.0	0.5	2.5	1.5	-0.5	0.5	4.5	0.0	1.5
27	11.5	6.5	9.0	4.5	0.0	1.0	3.0	0.0	1.5	4.5	0.0	1.5
28	12.5	6.5	9.0	0.5	0.0	0.0	3.5	0.5	2.0	4.5	0.0	1.5
29	12.5	7.0	10.0	2.5	0.0	1.0	5.5	2.5	4.0	5.0	0.0	1.5
30	11.5	9.0	10.0	6.0	0.0	2.5	6.0	4.0	5.0	1.5	-0.5	0.0
31	15.0	5.5	9.5	---	---	---	7.5	4.5	6.0	3.0	-0.5	0.5
MONTH	25.5	5.5	13.3	13.5	0.0	6.5	8.5	-0.5	2.0	8.5	-0.5	2.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.5	-0.5	1.0	12.0	-0.5	3.5	21.0	9.5	15.0	15.5	10.5	13.0
2	4.5	0.0	1.5	12.5	-0.5	4.0	23.0	10.0	16.0	22.5	11.5	16.5
3	4.5	0.0	1.5	14.0	-0.5	4.0	23.0	9.0	15.5	25.0	13.5	19.0
4	5.0	0.0	1.5	15.0	-0.5	5.0	23.5	9.0	16.0	24.5	13.0	19.0
5	5.0	0.0	2.0	16.0	-0.5	7.0	21.0	11.5	15.5	24.5	14.0	19.5
6	6.0	0.0	2.0	11.0	3.0	7.0	20.0	11.0	15.0	24.5	14.5	19.0
7	6.5	0.0	3.5	13.0	2.5	6.5	21.5	10.5	15.5	19.0	12.0	16.0
8	8.0	0.5	4.0	13.5	-0.5	5.0	21.5	10.0	16.0	20.5	7.5	14.0
9	6.5	0.0	2.5	14.5	-0.5	5.5	17.5	11.5	14.5	20.5	10.0	15.5
10	5.5	0.0	2.5	13.0	2.5	6.5	21.0	9.5	14.5	17.0	11.5	14.5
11	6.5	0.0	3.0	16.5	1.0	8.5	21.5	11.0	16.5	21.5	9.5	16.0
12	9.0	1.0	5.0	12.0	6.5	9.5	22.0	13.0	17.5	23.5	12.5	18.0
13	5.5	1.0	3.5	11.0	3.0	7.0	22.5	13.0	17.5	25.0	15.0	19.5
14	11.0	2.0	6.5	11.5	3.0	7.0	21.5	15.5	18.0	25.0	15.5	20.0
15	7.5	0.5	4.5	10.0	0.5	5.0	16.0	10.0	12.5	24.0	16.0	20.5
16	8.0	1.5	4.5	9.0	3.0	5.5	12.5	6.5	9.5	24.5	15.5	20.5
17	8.0	3.5	5.5	7.5	1.5	4.0	14.5	7.5	10.5	27.0	17.0	22.0
18	9.0	3.0	6.0	11.5	0.0	5.5	12.0	7.5	10.0	28.0	20.0	24.0
19	9.0	4.5	6.5	13.0	1.0	7.5	14.0	8.5	11.0	23.5	18.5	21.0
20	10.5	5.5	8.0	14.0	5.0	10.0	16.0	7.5	11.5	18.5	15.5	16.5
21	14.0	4.0	9.0	14.5	7.5	11.0	19.0	8.5	14.0	17.5	12.0	15.0
22	13.5	5.0	9.5	14.5	8.5	11.5	21.5	11.5	16.5	21.0	12.5	17.0
23	11.0	5.5	8.5	13.5	8.5	11.0	22.5	13.0	17.5	22.0	14.5	18.5
24	14.5	3.0	8.0	14.5	8.0	11.0	19.0	11.0	15.5	23.5	15.5	19.5
25	13.5	2.5	7.5	15.5	6.0	11.0	22.0	12.0	17.0	26.0	17.5	21.5
26	14.5	1.5	7.0	17.5	8.0	12.5	18.5	14.5	16.5	27.0	18.5	22.5
27	15.5	1.0	7.0	18.5	8.5	13.5	20.5	12.0	15.5	26.5	19.5	23.0
28	15.5	0.0	5.0	18.0	9.0	13.5	20.5	10.0	15.5	27.5	19.5	23.5
29	---	---	---	19.0	9.5	14.5	17.0	13.5	15.5	30.5	21.0	25.5
30	---	---	---	19.0	9.5	14.5	19.0	11.0	15.0	32.0	21.5	26.5
31	---	---	---	19.0	10.0	14.5	---	---	---	30.0	21.5	25.5
MONTH	15.5	-0.5	4.9	19.0	-0.5	8.5	23.5	6.5	14.9	32.0	7.5	19.4

CARSON RIVER BASIN

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

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.0	22.5	24.5	30.0	22.0	26.0	31.0	19.5	24.0	28.0	16.0	22.0
2	26.0	19.5	22.5	32.0	22.5	26.5	30.0	18.5	23.5	28.5	15.5	21.5
3	27.5	20.0	23.5	30.0	21.5	25.5	31.0	19.0	23.5	28.0	16.0	21.0
4	28.0	21.0	24.5	31.0	19.5	25.0	26.0	17.0	21.5	20.5	16.5	18.5
5	30.0	21.5	25.5	32.5	20.0	25.5	24.5	16.0	20.5	24.0	14.5	19.0
6	30.5	21.0	25.5	34.0	19.0	25.5	26.0	17.0	21.0	21.0	14.5	18.0
7	29.0	21.5	25.0	33.0	20.0	25.5	26.5	16.5	21.0	20.5	13.0	16.5
8	25.0	18.0	21.0	31.0	18.5	24.0	26.5	15.5	20.5	21.5	13.5	17.0
9	23.5	14.5	18.5	30.0	20.0	24.5	25.5	15.0	20.5	22.5	13.5	17.5
10	25.0	15.0	19.5	30.0	21.5	25.5	26.0	16.0	21.0	23.5	13.0	18.0
11	26.5	16.5	21.5	31.0	22.5	26.0	29.0	19.0	23.5	23.5	14.5	18.5
12	28.5	18.0	23.0	28.5	23.5	25.5	29.5	18.0	23.5	23.5	14.0	18.5
13	29.5	19.5	24.5	31.0	21.5	25.5	28.0	20.0	23.5	25.0	14.5	19.5
14	31.0	19.5	25.0	30.5	21.0	25.0	28.5	19.5	23.5	24.0	14.0	19.0
15	31.5	19.0	24.5	30.5	21.0	25.5	28.0	21.5	25.0	22.5	15.0	18.5
16	32.0	18.5	24.5	32.0	20.5	25.5	28.0	21.5	25.0	23.5	15.0	19.0
17	29.5	18.5	23.5	31.5	22.0	25.0	27.5	21.5	24.0	22.5	15.5	18.5
18	30.0	20.0	24.5	27.5	18.5	22.0	25.5	19.5	22.5	22.5	14.0	18.0
19	29.5	18.5	23.0	29.5	17.0	23.0	26.0	19.5	22.5	21.0	12.5	17.0
20	29.0	18.0	22.5	30.5	22.0	25.5	24.0	18.0	20.5	21.5	12.5	17.0
21	31.0	19.5	23.0	30.0	22.5	25.5	24.0	16.5	20.0	23.0	13.5	18.0
22	29.5	17.0	23.0	30.5	20.5	25.0	23.5	16.0	20.0	23.0	14.5	18.5
23	29.0	21.5	25.0	30.0	19.5	24.0	25.5	16.5	21.0	23.0	14.5	18.5
24	29.5	21.5	25.5	32.0	18.5	24.0	25.0	16.5	20.5	23.0	15.0	19.0
25	30.0	21.5	25.0	32.0	17.5	24.0	26.5	16.0	21.0	22.0	14.5	18.0
26	30.5	21.5	25.5	27.0	16.5	22.0	25.5	17.5	21.0	21.0	11.5	16.0
27	30.5	22.0	26.0	28.5	20.5	24.0	23.5	18.0	20.5	20.5	13.5	16.5
28	31.0	21.5	25.5	27.5	20.0	23.5	26.5	17.0	21.5	20.5	12.0	16.0
29	31.0	21.5	26.0	30.0	20.0	24.5	28.0	17.0	22.0	19.5	13.0	16.0
30	32.5	22.0	26.5	30.5	21.5	25.5	28.0	17.5	22.5	18.5	12.5	15.0
31	---	---	---	30.0	20.0	25.0	28.0	17.0	22.5	---	---	---
MONTH	32.5	14.5	23.9	34.0	16.5	24.8	31.0	15.0	22.0	28.5	11.5	18.1

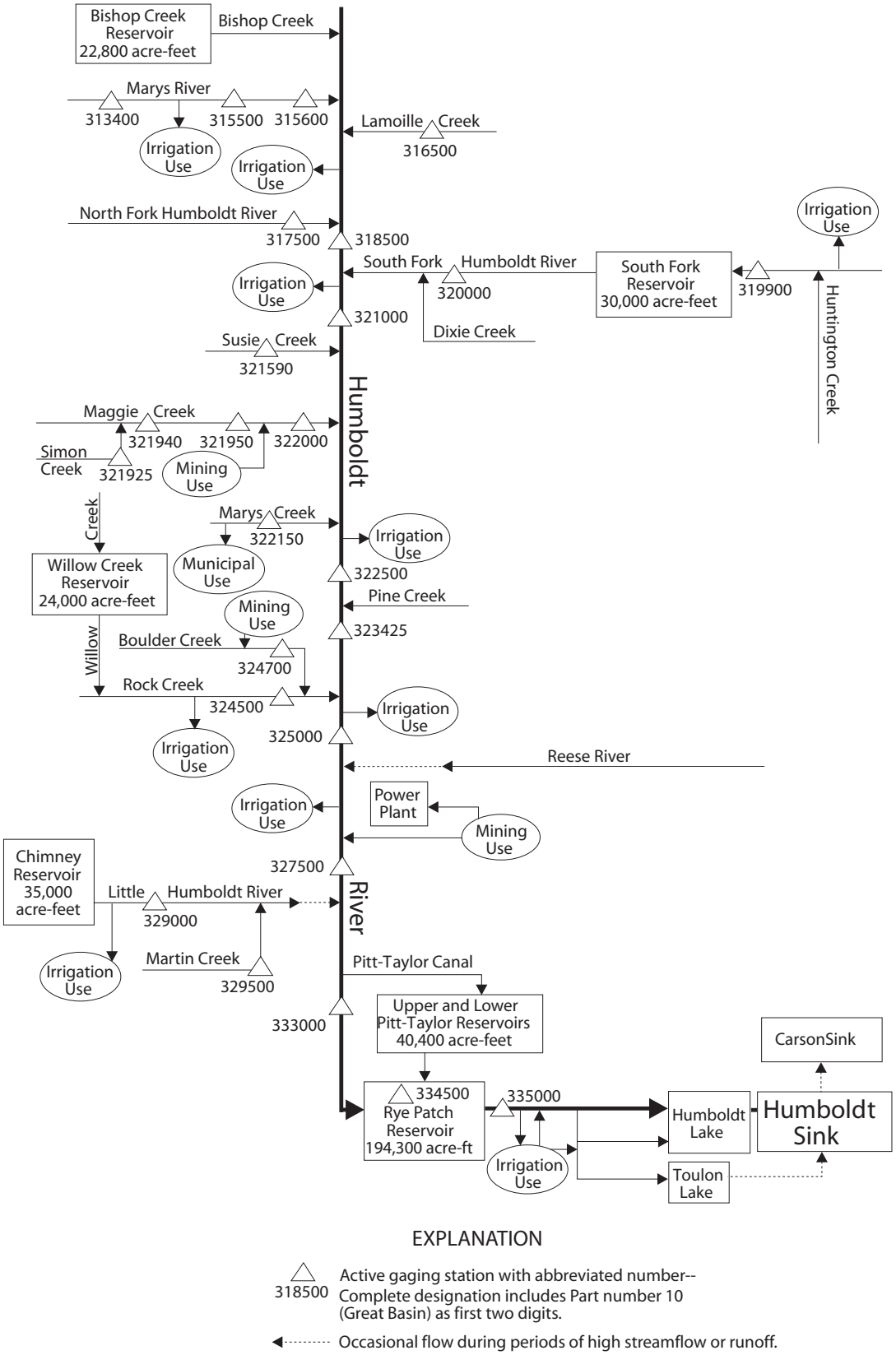

Figure 24. Schematic diagram of flow system and gaging stations in the Humboldt River basin.

HUMBOLDT RIVER BASIN

10313400 MARYS RIVER BELOW ORANGE BRIDGE NEAR CHARLESTON, NV

LOCATION.--Lat 41°33'30", long 115°18'21", in SE $^1/_4$ NE $^1/_4$ sec.9, 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 mi^2, approximately.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 5,860 ft above NGVD 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, 819 ft^3/s, May 20, 1993, gage height, 4.57 ft; no flow some days, some years.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
April 14	2200	*428	*4.19	June 1	0200	311	3.86
May 20	0015	322	3.89				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.69	5.9	e3.9	e5.0	e4.4	11	124	189	270	26	0.27	0.00
2	0.84	5.1	e4.8	e5.0	e4.3	9.1	153	190	258	25	0.25	0.00
3	0.22	4.7	e5.7	e5.2	e4.2	8.7	165	199	203	23	0.21	0.00
4	0.48	4.7	e5.2	e5.5	e4.2	10	186	194	173	20	0.23	0.00
5	0.75	5.0	e5.1	e5.5	e4.3	11	230	199	159	20	0.25	0.00
6	0.70	5.1	e5.1	e5.5	e5.0	11	245	210	159	18	0.20	0.00
7	0.68	4.0	e6.4	e5.8	e4.3	11	220	223	157	16	0.13	0.00
8	0.79	3.6	e6.5	e5.4	e4.0	6.6	182	196	140	14	0.13	0.00
9	0.60	3.2	e6.5	e5.0	e4.0	9.0	159	179	122	12	0.14	0.00
10	0.52	3.7	e6.5	e4.9	e4.0	10	135	165	106	11	0.14	0.00
11	0.54	4.1	e6.5	e5.2	e4.0	9.0	126	152	95	8.9	0.11	0.00
12	0.50	4.7	e6.6	e5.6	e4.0	10	140	152	85	7.1	0.08	0.00
13	0.70	4.1	e6.7	e5.0	e4.0	9.4	172	164	80	6.1	0.07	0.00
14	0.77	3.9	e6.7	e5.1	e4.0	8.2	246	194	78	4.8	0.07	0.00
15	1.4	4.1	e6.5	e5.7	e3.9	7.6	317	210	80	4.2	0.05	0.00
16	2.2	4.2	e6.3	e5.2	e4.1	7.8	213	201	78	3.9	0.03	0.00
17	2.4	4.1	e6.1	e5.2	e5.3	7.5	178	210	75	4.2	0.02	0.00
18	2.2	3.8	e6.0	e5.6	e6.9	6.9	154	236	70	4.6	0.01	0.04
19	2.4	3.2	e6.0	e5.9	e8.5	8.7	140	273	66	5.1	0.00	0.14
20	2.8	3.9	e5.5	e5.3	e9.7	8.8	127	294	60	4.3	0.00	0.37
21	3.2	5.4	e5.4	e5.9	e11	12	118	243	58	4.3	0.00	0.60
22	3.4	11	e5.5	e6.1	e13	19	117	193	53	3.9	0.00	0.71
23	3.4	6.7	e5.6	e6.1	e16	23	127	161	49	3.0	0.00	0.86
24	3.0	3.9	e5.6	e5.7	e21	21	131	143	46	2.5	0.00	0.94
25	3.6	5.7	e5.6	e5.1	9.9	19	141	132	42	2.1	0.00	0.90
26	3.9	5.8	e5.7	e5.3	12	19	158	127	39	1.7	0.00	1.1
27	4.4	5.3	e5.6	e5.8	14	26	158	131	36	1.4	0.00	1.2
28	4.5	e2.9	e5.3	e5.9	12	37	150	147	35	1.1	0.00	1.4
29	4.7	e1.5	e5.0	e5.6	---	50	153	175	32	0.95	0.00	1.3
30	5.1	e3.9	e5.0	e5.1	---	67	164	216	29	0.66	0.00	1.4
31	5.7	---	e5.0	e4.4	---	92	---	268	---	0.46	0.00	---
TOTAL	67.08	137.2	177.9	167.6	206.0	566.3	5029	5966	2933	260.27	2.39	10.96
MEAN	2.164	4.573	5.739	5.406	7.357	18.27	167.6	192.5	97.77	8.396	0.077	0.365
MAX	5.7	11	6.7	6.1	21	92	317	294	270	26	0.27	1.4
MIN	0.22	1.5	3.9	4.4	3.9	6.6	117	127	29	0.46	0.00	0.00
AC-FT	133	272	353	332	409	1120	9980	11830	5820	516	4.7	22

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

MEAN	3.820	6.503	7.172	10.06	15.07	53.79	114.9	191.6	115.3	17.00	1.526	1.633
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	4.40	3.21	3.73	4.48	17.4	47.5	47.1	7.04	1.14	0.000	0.000
(WY)	1996	1996	1994	1994	2001	1994	1994	1992	1992	2001	2001	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1992 - 2002	
ANNUAL TOTAL	6657.10		15523.70			
ANNUAL MEAN	18.24		42.53		44.93	
HIGHEST ANNUAL MEAN					73.0	1996
LOWEST ANNUAL MEAN					15.8	1992
HIGHEST DAILY MEAN	130	May 1	317	Apr 15	579	May 14 1993
LOWEST DAILY MEAN	0.00	Jul 28	0.00	Aug 19	0.00	Aug 17 1994
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 28	0.00	Aug 19	0.00	Aug 17 1994
MAXIMUM PEAK FLOW			428	Apr 14	819	May 20 1993
MAXIMUM PEAK STAGE			4.19	Apr 14	4.57	May 20 1993
ANNUAL RUNOFF (AC-FT)	13200		30790		32550	
10 PERCENT EXCEEDS	77		165		159	
50 PERCENT EXCEEDS	4.8		5.6		7.8	
90 PERCENT EXCEEDS	0.00		0.07		0.70	

e Estimated

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 recorder since November 1991, hourly.

REMARKS.--Records represent water temperature at probe within 0.5°C. Interruptions in record due to periods of no flow (see WATER-DISCHARGE Records).

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, 27.5°C, July 11, 12; minimum, freezing point on many days during winter months.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	16.0	10.5	13.0	8.0	3.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0
2	15.0	10.5	12.5	9.0	3.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0
3	14.5	9.0	11.5	9.5	3.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0
4	13.5	9.0	11.0	9.0	2.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0
5	13.0	8.5	10.5	10.0	4.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
6	13.0	9.5	11.0	10.0	5.5	7.0	0.0	0.0	0.0	0.0	0.0	0.0
7	13.5	9.0	11.5	9.5	3.5	6.0	0.5	0.0	0.0	0.0	0.0	0.0
8	13.0	10.0	11.0	7.0	1.5	3.5	0.0	0.0	0.0	0.5	0.0	0.0
9	10.0	7.0	8.5	6.5	0.5	2.5	0.0	0.0	0.0	0.5	0.0	0.0
10	8.0	5.0	6.5	6.5	1.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
11	8.5	6.5	7.5	6.5	1.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
12	7.0	4.5	5.5	7.5	3.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0
13	11.0	5.0	7.5	6.5	3.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0
14	10.5	6.0	8.0	7.0	2.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
15	12.0	5.5	8.5	7.0	2.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0
16	12.5	6.5	9.5	7.0	2.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0
17	10.5	7.5	9.0	6.0	2.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0
18	11.0	4.0	7.5	5.5	1.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
19	13.0	4.5	8.0	4.5	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
20	13.0	5.5	9.0	5.0	1.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
21	12.0	5.5	8.5	6.0	3.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0
22	10.0	6.0	8.0	6.0	3.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0
23	10.0	5.0	7.5	3.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
24	9.0	3.5	5.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	10.0	2.5	5.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	10.0	3.0	6.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	9.0	3.5	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	9.0	4.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	10.5	5.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	9.0	7.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	7.5	5.0	6.5	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
MONTH	16.0	2.5	8.5	10.0	0.0	3.2	0.5	0.0	0.0	0.5	0.0	0.0

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	0.0	0.0	0.5	0.0	0.0	10.0	1.0	5.0	8.5	2.0	5.5
2	0.0	0.0	0.0	0.5	0.0	0.0	10.0	2.0	5.0	11.5	4.0	7.0
3	0.0	0.0	0.0	0.5	0.0	0.0	10.0	1.5	5.0	10.0	4.0	7.0
4	0.0	0.0	0.0	1.0	0.0	0.0	10.5	2.0	5.5	12.0	3.0	7.5
5	0.0	0.0	0.0	2.5	0.0	1.0	10.0	2.5	5.5	11.5	4.0	7.5
6	0.0	0.0	0.0	3.5	0.0	1.5	10.5	3.0	6.0	12.5	4.5	8.0
7	0.0	0.0	0.0	6.5	0.0	2.5	9.5	2.5	5.5	7.5	3.0	5.5
8	0.0	0.0	0.0	2.0	0.0	0.5	9.0	2.5	5.5	10.5	1.0	5.0
9	0.0	0.0	0.0	2.5	0.0	0.5	6.0	3.0	4.5	8.5	2.5	5.5
10	0.0	0.0	0.0	4.0	0.0	1.5	9.0	3.5	5.5	7.0	3.0	5.0
11	0.0	0.0	0.0	6.0	0.0	3.0	9.0	3.0	5.5	12.0	3.0	7.0
12	0.0	0.0	0.0	5.5	2.0	3.5	11.0	3.5	7.0	13.0	3.0	8.0
13	0.0	0.0	0.0	6.5	0.5	3.0	11.0	3.5	6.5	13.0	4.0	8.5
14	0.0	0.0	0.0	5.5	0.0	2.0	10.5	4.5	7.0	13.5	5.5	9.0
15	0.0	0.0	0.0	4.5	0.0	1.5	5.0	2.5	4.0	9.5	3.5	7.0
16	0.0	0.0	0.0	3.0	0.0	1.0	5.5	2.0	3.5	13.5	5.0	9.0
17	0.0	0.0	0.0	3.0	0.0	1.0	7.5	1.5	4.0	13.5	4.0	9.0
18	0.0	0.0	0.0	3.5	0.0	1.5	5.0	1.5	3.5	12.5	5.5	9.0
19	0.0	0.0	0.0	7.0	0.0	2.5	5.5	1.5	3.5	13.5	5.0	9.0
20	0.0	0.0	0.0	9.5	0.0	4.0	8.5	2.0	5.0	8.5	6.0	7.0
21	0.0	0.0	0.0	9.0	1.0	4.5	8.5	1.5	5.0	6.5	4.0	5.0
22	0.5	0.0	0.0	8.5	1.0	4.5	12.5	3.0	7.5	9.5	3.0	6.0
23	0.5	0.0	0.0	4.0	1.5	2.5	12.0	3.5	7.5	8.0	2.5	5.5
24	1.0	0.0	0.5	8.5	1.0	4.0	11.0	1.5	6.5	12.5	3.0	7.5
25	1.0	0.0	0.0	7.0	1.5	4.0	12.0	3.5	7.5	12.0	4.5	8.5
26	0.0	0.0	0.0	10.5	0.0	4.5	7.5	3.5	5.5	12.5	5.5	9.5
27	0.5	0.0	0.0	10.0	1.5	5.5	7.5	4.0	5.5	13.5	6.5	10.0
28	0.5	0.0	0.0	9.0	1.0	5.0	11.0	3.5	6.5	15.0	7.0	10.5
29	---	---	---	9.0	1.5	4.5	10.5	3.5	7.0	15.5	7.0	11.0
30	---	---	---	9.5	1.0	5.0	9.0	4.0	6.5	15.5	6.5	11.0
31	---	---	---	10.0	1.0	4.5	---	---	---	15.0	7.0	10.5
MONTH	1.0	0.0	0.0	10.5	0.0	2.5	12.5	1.0	5.6	15.5	1.0	7.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	10.5	7.0	9.0	25.0	13.0	18.5	22.5	14.0	18.0	---	---	---
2	11.5	6.5	8.5	25.5	13.0	19.0	23.0	16.0	19.0	---	---	---
3	13.5	5.0	9.0	25.5	15.5	20.0	21.5	16.0	18.5	---	---	---
4	14.0	6.0	10.0	25.0	13.5	19.0	22.0	15.0	18.0	---	---	---
5	16.0	6.5	11.0	25.5	13.5	19.5	23.0	14.5	18.0	---	---	---
6	16.0	7.5	11.5	26.0	15.5	20.5	22.5	14.0	18.0	---	---	---
7	14.5	7.0	10.5	26.0	15.5	20.5	20.5	13.5	16.5	---	---	---
8	13.0	6.0	9.5	26.0	15.0	20.0	21.0	12.0	16.5	---	---	---
9	8.5	3.5	6.5	26.5	13.5	20.0	22.5	12.0	17.0	---	---	---
10	13.5	4.0	8.0	27.0	14.0	20.5	23.0	12.5	18.0	---	---	---
11	14.5	5.0	9.5	27.5	15.0	21.5	23.0	14.0	18.5	---	---	---
12	17.0	6.5	11.5	27.5	16.5	22.0	22.5	14.0	18.0	---	---	---
13	18.5	8.0	13.0	26.5	17.0	21.5	22.5	14.0	18.0	---	---	---
14	19.5	10.0	14.5	26.5	17.5	21.5	22.5	14.0	18.0	---	---	---
15	19.5	10.0	14.5	25.5	17.0	21.0	23.0	14.0	18.0	---	---	---
16	19.5	9.5	14.5	24.0	17.5	20.0	23.0	13.5	18.0	---	---	---
17	18.0	9.5	14.0	24.0	15.5	19.5	22.0	13.0	17.5	---	---	---
18	17.5	10.5	13.5	23.0	16.0	19.0	22.5	13.0	17.5	---	---	---
19	18.5	8.5	13.0	23.5	15.0	19.5	---	---	---	16.5	10.0	13.0
20	17.0	9.0	12.5	24.5	15.5	20.0	---	---	---	17.0	10.0	13.5
21	19.0	10.5	14.5	25.5	15.0	20.0	---	---	---	18.5	9.0	13.5
22	19.5	11.5	15.0	25.0	16.0	20.0	---	---	---	17.5	8.5	13.0
23	21.5	10.5	16.0	23.5	15.0	19.0	---	---	---	18.0	9.0	13.0
24	22.5	12.0	17.0	25.5	14.0	19.5	---	---	---	17.5	9.0	13.0
25	23.5	12.5	18.0	26.0	16.0	20.0	---	---	---	17.0	7.5	12.0
26	20.5	12.5	16.5	25.5	14.0	19.0	---	---	---	16.5	7.5	11.5
27	23.5	12.5	17.5	24.0	14.0	18.5	---	---	---	15.0	7.5	11.0
28	23.0	13.5	18.0	25.0	13.0	18.5	---	---	---	15.5	7.0	11.0
29	24.0	13.5	18.5	25.5	14.0	19.5	---	---	---	13.0	7.0	10.0
30	24.5	13.0	18.5	23.0	14.5	19.0	---	---	---	10.5	6.5	8.0
31	---	---	---	23.5	15.0	19.0	---	---	---	---	---	---
MONTH	24.5	3.5	13.1	27.5	13.0	19.8	---	---	---	---	---	---

HUMBOLDT RIVER BASIN

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

LOCATION.--Lat 41°15'10", long 115°15'20", in NE $^1/_4$ SE $^1/_4$ 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 mi^2.

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 NGVD 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 ft^3/s, February 12, 1962, gage height, 7.63 ft, from rating curve extended above 1,000 ft^3/s on basis of slope-area measurement of peak flow; no flow for part of each day August 27-30, September 2-5, 1967.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
April 16	1945	258	3.90	June 3	0915	216	3.60
May 1	2330	*262	*3.93				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1.3	e1.9	2.7	e2.9	8.8	e23	89	238	183	15	3.3	3.2
2	1.2	e1.9	2.8	e3.6	8.5	e23	111	254	202	13	3.2	3.6
3	1.1	e1.9	2.8	e4.8	8.5	e23	143	256	211	11	2.8	4.2
4	1.0	1.9	2.7	5.8	8.6	e22	165	256	197	9.9	2.5	4.1
5	1.1	1.7	2.9	6.2	8.8	e22	180	241	176	8.4	2.4	4.2
6	1.2	1.7	3.0	6.7	9.5	e21	195	231	158	7.7	2.4	5.6
7	1.2	1.9	2.8	6.6	8.5	e27	200	230	150	7.3	2.3	4.9
8	1.3	2.1	2.7	7.6	7.2	e44	210	236	145	6.4	1.8	4.6
9	1.3	2.2	2.6	9.4	7.3	e28	201	229	136	6.9	1.8	4.6
10	1.5	2.3	2.7	7.4	7.5	e23	195	215	126	7.0	2.2	4.4
11	1.6	2.5	2.7	8.3	7.2	e19	181	202	109	6.2	2.0	4.1
12	1.6	2.5	3.0	8.8	7.4	e28	174	189	87	5.7	1.9	4.4
13	1.7	2.5	3.0	7.5	7.5	e28	175	178	77	4.9	1.7	4.5
14	1.6	2.6	3.1	7.2	7.1	e27	190	177	69	5.3	1.7	4.6
15	1.6	2.7	3.0	9.4	7.5	e27	212	185	64	5.2	1.6	4.6
16	1.7	2.7	3.1	7.6	7.5	e23	246	195	61	4.5	1.4	4.9
17	1.8	2.7	3.1	8.8	8.0	e25	242	194	59	4.3	1.3	4.9
18	1.8	2.6	3.1	7.2	8.7	e21	214	196	54	4.1	1.2	4.5
19	1.9	2.8	3.2	7.4	9.5	20	193	204	45	4.3	1.1	4.1
20	2.0	2.9	3.3	8.3	11	20	173	216	47	4.3	1.1	4.0
21	2.1	3.0	2.9	7.8	12	25	154	239	50	4.5	1.4	3.9
22	2.0	3.2	3.0	7.7	15	30	138	241	45	4.0	1.5	4.2
23	2.0	2.7	3.0	8.5	18	39	127	220	40	3.7	1.8	4.4
24	2.0	2.8	3.1	8.8	21	45	124	194	36	3.8	2.0	4.3
25	e2.0	2.8	3.1	7.3	e21	45	124	171	32	3.7	2.4	4.0
26	e2.0	2.6	3.0	7.8	e22	42	134	153	28	3.7	2.5	4.0
27	e2.0	2.7	3.1	8.7	e22	39	158	139	26	3.6	2.6	3.8
28	e1.9	2.9	3.1	7.5	23	42	164	134	23	3.5	2.6	2.8
29	e1.9	3.1	3.2	8.4	---	50	155	137	21	3.5	2.4	3.2
30	e1.9	2.8	e3.0	e7.2	---	61	161	148	16	3.5	2.3	3.3
31	e1.9	---	e2.9	e7.6	---	75	---	164	---	3.3	2.7	---
TOTAL	51.2	74.6	91.7	228.8	318.6	987	5128	6262	2673	182.2	63.9	125.9
MEAN	1.652	2.487	2.958	7.381	11.38	31.84	170.9	202.0	89.10	5.877	2.061	4.197
MAX	2.1	3.2	3.3	9.4	23	75	246	256	211	15	3.3	5.6
MIN	1.0	1.7	2.6	2.9	7.1	19	89	134	16	3.3	1.1	2.8
AC-FT	102	148	182	454	632	1960	10170	12420	5300	361	127	250

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2002, BY WATER YEAR (WY)

MEAN	5.831	11.37	15.00	19.46	36.14	75.80	171.8	247.0	155.5	26.28	4.309	2.789
MAX	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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1944 - 2002	
ANNUAL TOTAL	6549.2		16186.9			
ANNUAL MEAN	17.94		44.35		64.25	
HIGHEST ANNUAL MEAN					194	1984
LOWEST ANNUAL MEAN					16.1	1992
HIGHEST DAILY MEAN	119	May 17	256	May 3	2690	Feb 12 1962
LOWEST DAILY MEAN	1.0	Jul 29	1.0	Oct 4	0.20	Aug 20 1944
ANNUAL SEVEN-DAY MINIMUM	1.1	Jul 27	1.2	Oct 1	0.20	Aug 29 1948
MAXIMUM PEAK FLOW			262	May 1	4210	Feb 12 1962
MAXIMUM PEAK STAGE			3.93	May 1	7.63	Feb 12 1962
ANNUAL RUNOFF (AC-FT)	12990		32110		46550	
10 PERCENT EXCEEDS	60		184		200	
50 PERCENT EXCEEDS	3.1		6.9		17	
90 PERCENT EXCEEDS	1.2		1.9		1.6	

e Estimated

HUMBOLDT RIVER BASIN

10315600 MARYS RIVER BELOW TWIN BUTTES NEAR DEETH, NV

LOCATION.--Lat 41°09'16", long 115°16'13", in SW $^1/_4$ NW $^1/_4$ sec.25, T.38 N., R.59 E., Elko County, Hydrologic Unit 16040101, on right bank, 6 mi north of Deeth.

DRAINAGE AREA.--516 mi^2, approximately.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 5,410 ft above NGVD 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 ft^3/s, March 18, 1993, gage height, 7.62 ft; no flow many days, most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 336 ft^3/s, May 2, gage height, 6.28 ft; no flow many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	e1.2	e2.5	e6.0	e20	75	226	151	27	0.00	0.00
2	0.00	0.00	e2.0	e2.8	e6.1	e19	86	321	174	24	0.00	0.00
3	0.00	0.00	e2.1	e3.3	e6.3	e19	102	293	191	22	0.00	0.00
4	0.00	0.00	e2.0	e4.2	e6.5	e19	122	284	196	18	0.00	0.00
5	0.00	0.00	e2.0	e4.7	e6.7	e18	137	271	178	16	0.00	0.00
6	0.00	0.00	e2.3	e5.2	e7.2	e18	153	242	155	13	0.00	0.00
7	0.00	0.00	e2.2	e5.8	e7.0	e24	162	229	141	12	0.00	0.00
8	0.00	0.00	e2.0	e5.9	e6.9	e37	169	232	134	7.7	0.00	0.00
9	0.00	0.00	e2.0	e5.5	e6.9	e25	176	238	130	6.0	0.00	0.00
10	0.00	0.00	e2.0	e5.4	e7.0	e20	172	215	125	5.1	0.00	0.00
11	0.00	0.00	e2.0	e5.4	e7.0	e17	164	196	116	3.5	0.00	0.00
12	0.00	0.00	e2.1	e6.0	e7.1	e24	153	183	100	2.3	0.00	0.00
13	0.00	0.00	e2.2	e5.8	e7.2	e24	147	169	87	1.3	0.00	0.00
14	0.00	0.00	e2.3	e5.3	e7.2	e23	154	160	80	0.75	0.00	0.00
15	0.00	0.00	e2.2	e6.1	e7.1	e22	179	161	74	2.3	0.00	0.00
16	0.00	0.00	e2.2	e5.6	e7.2	e20	207	167	70	1.5	0.00	0.00
17	0.00	0.00	e2.2	e5.8	e7.2	e21	257	180	66	0.41	0.00	0.00
18	0.00	0.00	e2.2	e6.0	e7.1	e18	229	179	64	0.13	0.00	0.00
19	0.00	0.00	e2.4	e6.0	e7.3	e17	196	184	59	0.06	0.00	0.00
20	0.00	0.00	e2.5	e6.5	e7.6	e19	169	193	55	0.02	0.00	0.00
21	0.00	0.00	e2.3	e6.3	e8.3	e25	147	226	59	0.00	0.00	0.00
22	0.00	0.00	e2.2	e6.2	e10	34	130	256	57	0.00	0.00	0.00
23	0.00	0.00	e2.2	e6.6	e14	46	117	244	53	0.00	0.00	0.00
24	0.00	0.00	e2.2	e7.0	e18	46	109	207	50	0.00	0.00	0.00
25	0.00	0.13	e2.3	e6.5	e20	45	109	176	46	0.00	0.00	0.00
26	0.00	e1.2	e2.3	e6.1	e20	41	114	152	43	0.00	0.00	0.00
27	0.00	e1.2	e2.4	e6.1	e20	40	134	135	41	0.00	0.00	0.00
28	0.00	e1.1	e2.3	e6.3	e20	41	148	126	39	0.00	0.00	0.00
29	0.00	e0.80	e2.4	e6.2	---	45	144	123	36	0.00	0.00	0.00
30	0.00	e0.60	e2.4	e6.2	---	54	140	125	32	0.00	0.00	0.00
31	0.00	---	e2.4	e6.0	---	66	---	134	---	0.00	0.00	---
TOTAL	0.00	5.03	67.5	173.3	268.9	907	4501	6227	2802	163.07	0.00	0.00
MEAN	0.000	0.168	2.177	5.590	9.604	29.26	150.0	200.9	93.40	5.260	0.000	0.000
MAX	0.00	1.2	2.5	7.0	20	66	257	321	196	27	0.00	0.00
MIN	0.00	0.00	1.2	2.5	6.0	17	75	123	32	0.00	0.00	0.00
AC-FT	0.00	10	134	344	533	1800	8930	12350	5560	323	0.00	0.00

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

MEAN	1.218	5.884	8.786	13.36	21.35	74.24	130.2	200.1	132.2	20.23	0.663	0.000
MAX	5.38	18.4	22.7	39.2	36.3	171	228	342	303	67.8	2.38	0.000
(WY)	1999	1999	1999	1997	1996	1993	1993	1998	1998	1998	1997	1992
MIN	0.000	0.17	1.81	4.19	5.25	29.3	41.4	36.3	1.90	0.000	0.000	0.000
(WY)	1992	2002	1993	1993	1993	2002	1992	1992	1992	2001	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1992 - 2002	
ANNUAL TOTAL	5998.88		15114.80			
ANNUAL MEAN	16.44		41.41		50.73	
HIGHEST ANNUAL MEAN					85.9	1997
LOWEST ANNUAL MEAN					12.1	1992
HIGHEST DAILY MEAN	105	May 18	321	May 2	481	May 19 1996
LOWEST DAILY MEAN	0.00	Jun 26	0.00	Oct 1	0.00	Oct 1 1991
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 26	0.00	Oct 1	0.00	Oct 1 1991
MAXIMUM PEAK FLOW			336	May 2	592	Mar 18 1993
MAXIMUM PEAK STAGE			6.28	May 2	7.62	Mar 18 1993
ANNUAL RUNOFF (AC-FT)	11900		29980		36750	
10 PERCENT EXCEEDS	59		165		168	
50 PERCENT EXCEEDS	2.2		5.4		9.2	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

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, 29.5°C, July 12-13, 2002; minimum recorded, freezing point on many days during winter months of most years.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum recorded during periods of flow, 29.5°C, July 12-13; minimum recorded, 4.5°C, April 19.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	11.5	7.0	9.5	9.5	6.5	7.5
2	---	---	---	---	---	---	12.5	8.0	10.5	10.5	6.5	8.5
3	---	---	---	---	---	---	12.0	8.0	10.0	12.5	9.0	10.5
4	---	---	---	---	---	---	13.0	8.0	10.5	14.0	9.5	11.5
5	---	---	---	---	---	---	13.0	9.0	11.5	14.5	11.0	12.5
6	---	---	---	---	---	---	13.0	10.0	11.5	15.5	10.5	13.0
7	---	---	---	---	---	---	12.5	9.0	11.0	14.0	9.0	12.0
8	---	---	---	---	---	---	12.0	8.5	10.5	11.5	6.0	9.0
9	---	---	---	---	---	---	10.5	9.0	9.5	10.5	8.5	9.5
10	---	---	---	---	---	---	11.0	7.5	9.0	11.5	8.5	10.0
11	---	---	---	---	---	---	10.5	7.5	9.0	12.0	8.5	10.0
12	---	---	---	---	---	---	13.0	8.5	11.0	14.5	8.5	11.5
13	---	---	---	---	---	---	13.0	9.5	11.5	16.0	11.0	13.5
14	---	---	---	---	---	---	14.0	11.0	12.5	17.5	13.0	15.5
15	---	---	---	---	---	---	12.0	7.0	9.5	16.0	13.0	15.0
16	---	---	---	---	---	---	8.0	5.5	7.0	17.5	13.0	15.0
17	---	---	---	---	---	---	7.5	5.0	6.5	18.0	13.0	15.5
18	---	---	---	---	---	---	7.0	5.0	6.0	18.5	14.5	16.5
19	---	---	---	---	---	---	6.5	4.5	5.5	18.0	14.5	16.5
20	---	---	---	---	---	---	7.5	5.0	6.0	16.0	12.5	14.5
21	---	---	---	---	---	---	9.5	5.0	7.0	12.5	8.5	9.5
22	---	---	---	---	---	---	12.5	7.5	10.0	10.0	7.0	8.5
23	---	---	---	---	---	---	13.5	9.5	11.5	10.5	7.0	9.0
24	---	---	---	---	---	---	12.5	8.5	10.5	14.0	8.0	11.0
25	---	---	---	---	---	---	14.5	9.5	12.0	15.5	11.0	13.5
26	---	---	---	---	---	---	13.0	10.0	11.5	17.5	12.5	15.0
27	---	---	---	---	---	---	10.5	8.5	9.5	18.5	14.0	16.5
28	---	---	---	9.5	5.0	7.5	12.5	8.5	10.5	19.5	15.0	17.5
29	---	---	---	9.5	6.0	7.5	13.5	9.5	11.5	20.5	16.0	18.5
30	---	---	---	10.5	5.0	7.5	13.0	9.5	11.5	21.5	17.0	19.0
31	---	---	---	11.0	6.0	8.5	---	---	---	22.5	18.0	20.5
MONTH	---	---	---	---	---	---	14.5	4.5	9.8	22.5	6.0	13.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.0	17.0	19.0	25.0	18.0	21.5	---	---	---	---	---	---
2	17.5	15.5	16.5	25.5	18.0	21.5	---	---	---	---	---	---
3	17.5	14.0	16.0	25.0	19.0	22.0	---	---	---	---	---	---
4	18.0	14.5	16.0	25.0	18.0	21.5	---	---	---	---	---	---
5	19.5	14.5	17.0	25.5	18.0	22.0	---	---	---	---	---	---
6	21.0	16.5	18.5	26.5	19.0	23.0	---	---	---	---	---	---
7	20.5	16.5	18.5	26.0	20.0	23.5	---	---	---	---	---	---
8	18.0	14.5	16.5	26.0	20.0	23.0	---	---	---	---	---	---
9	14.5	11.5	12.5	27.0	19.0	23.0	---	---	---	---	---	---
10	12.5	10.0	11.5	28.0	20.5	24.0	---	---	---	---	---	---
11	15.5	10.0	13.0	29.0	21.0	25.0	---	---	---	---	---	---
12	18.5	12.5	15.5	29.5	21.5	25.5	---	---	---	---	---	---
13	20.5	15.0	17.5	29.5	22.0	25.5	---	---	---	---	---	---
14	21.5	16.0	19.0	28.0	22.5	25.0	---	---	---	---	---	---
15	22.0	17.0	20.0	27.0	21.5	24.5	---	---	---	---	---	---
16	22.0	17.0	19.5	25.0	21.5	23.0	---	---	---	---	---	---
17	21.0	16.5	19.0	26.5	19.5	22.5	---	---	---	---	---	---
18	21.0	17.0	18.5	23.5	20.5	21.5	---	---	---	---	---	---
19	21.0	15.5	18.0	25.5	18.5	22.0	---	---	---	---	---	---
20	20.0	15.5	17.5	24.5	19.5	22.0	---	---	---	---	---	---
21	20.0	15.5	18.0	---	---	---	---	---	---	---	---	---
22	21.5	16.5	19.0	---	---	---	---	---	---	---	---	---
23	22.5	17.0	20.0	---	---	---	---	---	---	---	---	---
24	24.0	18.0	21.0	---	---	---	---	---	---	---	---	---
25	24.5	19.0	21.5	---	---	---	---	---	---	---	---	---
26	23.5	19.5	21.5	---	---	---	---	---	---	---	---	---
27	24.5	19.0	21.5	---	---	---	---	---	---	---	---	---
28	24.0	19.5	21.5	---	---	---	---	---	---	---	---	---
29	24.0	19.0	21.5	---	---	---	---	---	---	---	---	---
30	25.0	18.5	21.5	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	25.0	10.0	18.2	---	---	---	---	---	---	---	---	---

HUMBOLDT RIVER BASIN

10316500 LAMOILLE CREEK NEAR LAMOILLE, NV

LOCATION.--Lat 40°41'27", long 115°28'34", in NE $^1/_4$ NE $^1/_4$ sec.6, T.32 N., R.58 E., Elko County, Hydrologic Unit 16040101, in Humboldt National Forest, at mouth of canyon, on right bank, 100 ft upstream from McDermott ditch diversion, and 3 mi south of Lamoille.

DRAINAGE AREA.--24.9 mi^2.

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 NGVD of 1929, from topographic map. Prior to September 30, 1943, nonrecording gages at various sites nearby 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 ft^3/s, June 3, 1986, gage height, 6.08 ft, maximum gage height, 6.11 ft, June 3, 1995; minimum daily, 1.5 ft^3/s, January 12, 1963.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge at 310 ft^3/s and maximum(*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 31	1945	478	4.63	No other peaks greater than base discharge.			

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	2.9	e2.4	e2.4	e2.8	e3.5	11	83	365	100	10	3.2
2	2.6	2.7	e3.0	e2.4	e2.7	e3.5	13	83	349	89	9.8	3.1
3	2.6	2.6	e3.0	e2.5	e2.6	e3.5	14	89	286	82	9.3	3.0
4	2.6	2.5	e2.8	e2.3	e2.5	e3.5	16	95	272	75	8.7	2.9
5	2.7	2.5	e2.6	e2.1	e2.4	e3.5	18	110	293	69	8.3	2.9
6	2.7	2.6	e2.8	e2.3	e2.6	e4.0	19	124	319	62	8.0	4.0
7	2.4	3.1	e2.8	e2.5	e2.8	e4.5	20	131	307	56	7.6	4.2
8	2.5	2.6	e2.8	e2.4	e2.7	e5.0	22	128	264	51	7.2	3.7
9	2.5	2.5	e2.8	e2.3	e3.0	e5.5	24	130	217	45	6.9	3.6
10	2.6	2.5	e2.6	e2.3	e2.9	e6.0	25	131	174	42	6.5	3.5
11	2.7	2.5	e2.8	e2.2	e3.0	6.7	22	130	157	41	6.1	3.4
12	2.8	2.5	e2.8	e2.4	e2.9	7.6	25	140	163	39	5.9	3.3
13	2.8	2.6	e3.2	e2.3	e3.1	6.9	28	160	178	36	5.7	3.2
14	2.7	2.5	e3.0	e2.2	e3.0	7.7	44	182	191	34	5.2	3.1
15	2.6	2.5	e2.8	e2.2	e3.0	e7.3	62	194	203	33	5.0	3.0
16	2.5	2.4	e2.9	e2.1	e3.0	e7.1	45	203	204	32	4.8	3.8
17	2.4	2.5	e2.8	e2.1	e3.0	e6.9	41	239	188	30	4.5	3.4
18	2.4	2.4	e2.9	e2.1	e3.0	e6.7	36	254	187	29	4.5	3.7
19	2.5	2.3	e2.8	e2.1	e3.1	e6.5	33	232	173	27	4.3	3.5
20	2.5	2.3	e3.2	e2.3	e3.4	6.6	31	220	170	24	4.0	3.4
21	2.5	2.5	e3.0	e2.9	e3.3	6.7	28	195	166	22	4.1	3.2
22	2.6	5.4	e2.8	e2.9	e3.3	7.0	30	167	162	20	4.3	3.2
23	2.7	3.4	e2.6	e2.8	e3.3	7.8	35	155	147	18	4.8	3.2
24	2.6	e3.0	e2.5	e2.8	e3.4	7.5	40	148	142	17	4.6	3.1
25	2.5	e2.7	e2.4	e3.0	e3.4	7.2	46	145	141	16	4.3	3.1
26	2.5	e2.4	e2.3	e3.1	e3.2	7.3	65	157	129	15	3.9	3.1
27	2.5	e2.3	e2.4	e3.2	e3.3	7.6	69	185	121	14	3.8	3.1
28	2.5	e2.4	e2.9	e3.1	e3.5	8.1	69	220	113	13	3.7	3.1
29	2.4	e2.8	e2.8	e3.0	---	8.4	75	256	109	12	3.6	3.1
30	3.0	e2.5	e2.7	e2.9	---	9.0	81	305	106	11	3.4	3.2
31	3.3	---	e2.5	e2.8	---	9.6	---	354	---	11	3.3	---
TOTAL	80.9	80.4	85.7	78.0	84.2	198.7	1087	5345	5996	1165	176.1	99.3
MEAN	2.610	2.680	2.765	2.516	3.007	6.410	36.23	172.4	199.9	37.58	5.681	3.310
MAX	3.3	5.4	3.2	3.2	3.5	9.6	81	354	365	100	10	4.2
MIN	2.4	2.3	2.3	2.1	2.4	3.5	11	83	106	11	3.3	2.9
AC-FT	160	159	170	155	167	394	2160	10600	11890	2310	349	197

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2002, BY WATER YEAR (WY)

MEAN	7.467	6.379	5.517	5.139	5.324	7.932	26.51	142.6	215.3	85.07	17.35	8.028
MAX	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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1915 - 2002	
ANNUAL TOTAL	8714.3		14476.3			
ANNUAL MEAN	23.87		39.66		44.77	
HIGHEST ANNUAL MEAN					77.7	1997
LOWEST ANNUAL MEAN					20.5	1959
HIGHEST DAILY MEAN	441	May 16	365	Jun 1	693	May 30 1983
LOWEST DAILY MEAN	1.6	Jan 17	2.1	Jan 5	1.5	Jan 12 1963
ANNUAL SEVEN-DAY MINIMUM	1.7	Feb 11	2.2	Jan 13	1.7	Feb 11 2001
MAXIMUM PEAK FLOW			478	May 31	838	Jun 3 1986
MAXIMUM PEAK STAGE			4.63	May 31	6.11	Jun 3 1995
ANNUAL RUNOFF (AC-FT)	17280		28710		32430	
10 PERCENT EXCEEDS	75		158		156	
50 PERCENT EXCEEDS	3.3		3.6		8.4	
90 PERCENT EXCEEDS	2.3		2.5		3.5	

e Estimated

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

LOCATION.--Lat 41°10'45", long 115°29'34", in SW $^1/_4$ SE $^1/_4$ sec.13, T.38 N., R.57 E., Elko County, Hydrologic Unit 16040102, on right bank, 25 ft downstream from Devils Gate, 16 mi north of Halleck, and 26 mi upstream of mouth.

DRAINAGE AREA.--830 mi^2.

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 NGVD of 1929, from topographic map. Prior to reestablishment in June 2002, gage at several sites and different datums within .1 mi upstream from present location. See WDR NV-82-1 for history of changes prior to June 2002.

REMARKS.--Records good. 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 ft^3/s, February 11, 1962, gage height, 16.12 ft, datum then in use; minimum daily, 2.0 ft^3/s, August 14-16, 19, 20, 22, 1948 and July 28, 29, August 17, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum discharge for the period July thru September, about 300 ft^3/s, June 2 or 3, gage height, 14.10 ft; minimum daily, 3.4 ft^3/s, August 16 and 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	e280	8.3	4.2	6.5
2	---	---	---	---	---	---	---	---	e290	7.7	4.5	6.3
3	---	---	---	---	---	---	---	---	e280	7.0	4.5	6.0
4	---	---	---	---	---	---	---	---	e220	6.8	4.3	5.8
5	---	---	---	---	---	---	---	---	146	6.5	4.3	5.9
6	---	---	---	---	---	---	---	---	110	6.4	4.0	12
7	---	---	---	---	---	---	---	---	86	6.2	4.0	18
8	---	---	---	---	---	---	---	---	65	6.1	4.1	9.9
9	---	---	---	---	---	---	---	---	57	5.8	4.1	9.0
10	---	---	---	---	---	---	---	---	62	5.5	4.1	8.8
11	---	---	---	---	---	---	---	---	67	5.2	4.1	9.3
12	---	---	---	---	---	---	---	---	63	5.9	4.0	9.1
13	---	---	---	---	---	---	---	---	53	5.7	3.9	8.9
14	---	---	---	---	---	---	---	---	45	5.4	3.8	8.6
15	---	---	---	---	---	---	---	---	37	5.0	3.7	8.2
16	---	---	---	---	---	---	---	---	31	5.2	3.4	9.4
17	---	---	---	---	---	---	---	---	25	5.4	3.4	10
18	---	---	---	---	---	---	---	---	18	5.8	3.5	11
19	---	---	---	---	---	---	---	---	13	5.7	3.6	10
20	---	---	---	---	---	---	---	---	12	5.2	5.5	9.5
21	---	---	---	---	---	---	---	---	12	5.3	6.1	9.2
22	---	---	---	---	---	---	---	---	12	5.6	6.3	9.0
23	---	---	---	---	---	---	---	---	14	5.3	6.6	9.0
24	---	---	---	---	---	---	---	---	15	5.2	6.8	8.7
25	---	---	---	---	---	---	---	---	14	5.3	6.9	8.6
26	---	---	---	---	---	---	---	---	13	5.0	6.8	e8.4
27	---	---	---	---	---	---	---	---	13	4.7	6.7	8.8
28	---	---	---	---	---	---	---	---	12	4.5	6.8	9.1
29	---	---	---	---	---	---	---	---	10	4.3	6.9	9.3
30	---	---	---	---	---	---	---	---	9.3	4.3	6.7	9.5
31	---	---	---	---	---	---	---	---	---	4.1	6.6	---
TOTAL	---	---	---	---	---	---	---	---	2084.3	174.4	154.2	271.8
MEAN	---	---	---	---	---	---	---	---	69.5	5.63	4.97	9.06
MAX	---	---	---	---	---	---	---	---	290	8.3	6.9	18
MIN	---	---	---	---	---	---	---	---	9.3	4.1	3.4	5.8
AC-FT	---	---	---	---	---	---	---	---	4130	346	306	539

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2002, BY WATER YEAR (WY)

MEAN	12.4	17.4	20.3	38.0	67.7	137	226	198	135	30.0	9.39	8.57
MAX	21.8	31.1	58.0	241	434	513	1046	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

SUMMARY STATISTICS	WATER YEARS 1914 - 2002	
ANNUAL MEAN	74.9	
HIGHEST ANNUAL MEAN	198	1952
LOWEST ANNUAL MEAN	13.2	1955
HIGHEST DAILY MEAN	3850	Feb 12 1962
LOWEST DAILY MEAN	2.0	Aug 14 1948
ANNUAL SEVEN-DAY MINIMUM	2.1	Aug 14 1948
ANNUAL RUNOFF (AC-FT)	54250	
10 PERCENT EXCEEDS	226	
50 PERCENT EXCEEDS	20	
90 PERCENT EXCEEDS	6.5	

e Estimated

10318500 HUMBOLDT RIVER NEAR ELKO, NV

LOCATION.--Lat 40°56'10", long 115°37'25", in SE $^1/_4$ NE $^1/_4$ 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.--2,779 mi^2.

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 fair 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 ft^3/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, 1,220 ft^3/s, June 4, gage height, 5.90 ft; minimum daily, 0.93 ft^3/s, August 26.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	1.9	e12	26	e21	87	198	256	524	68	1.9	0.94
2	1.5	2.0	17	30	e21	80	238	417	850	56	1.9	0.97
3	1.4	2.0	16	e27	e20	61	272	673	826	50	1.8	0.99
4	1.3	2.1	e13	e24	e20	60	265	625	1050	40	1.7	0.99
5	1.4	2.1	e11	e25	e20	59	271	522	849	33	1.4	1.1
6	1.4	2.2	14	32	e20	70	271	421	702	29	1.4	1.9
7	1.5	2.0	15	37	e19	82	262	357	631	26	1.3	1.9
8	1.6	2.0	e10	42	e18	99	271	301	606	23	1.4	1.8
9	1.5	2.0	e10	e37	e18	97	264	293	569	20	1.3	1.8
10	1.6	2.0	e13	e33	e18	87	241	291	533	18	1.3	1.8
11	1.7	2.0	e16	e31	e18	79	231	299	467	16	1.2	1.7
12	1.6	2.0	e15	e32	16	90	247	298	425	13	1.2	1.7
13	1.7	2.3	e17	e30	31	166	256	279	345	12	1.3	1.7
14	1.6	2.0	e15	e29	12	174	233	246	304	10	1.2	1.7
15	1.6	5.9	e14	e30	23	118	238	207	260	10	1.0	1.7
16	1.6	9.6	e14	e29	15	93	281	182	225	8.5	0.98	2.1
17	1.7	8.9	e15	e26	14	83	326	174	214	7.6	0.94	2.0
18	1.7	9.3	e17	e25	14	78	365	193	204	6.9	0.97	1.9
19	1.7	9.1	e17	e23	16	69	406	232	186	6.2	0.98	1.9
20	1.7	9.3	e13	e22	21	66	451	283	184	5.8	0.94	3.1
21	1.7	10	e16	e24	28	81	438	344	193	5.6	1.0	4.3
22	1.8	14	e10	e23	40	105	342	462	183	5.2	1.0	4.4
23	1.8	13	e12	e22	48	119	288	643	161	4.5	1.1	4.4
24	1.7	13	e9.0	e22	59	138	199	621	145	4.1	1.2	4.5
25	1.7	13	e7.0	e23	80	145	156	500	140	3.7	1.0	4.3
26	1.7	12	e8.0	e24	92	141	136	411	123	3.0	0.93	3.1
27	1.8	13	e10	23	77	128	133	343	113	2.8	0.97	2.5
28	1.8	e10	e13	23	75	138	248	274	114	2.5	0.96	2.2
29	1.9	e5.0	e15	e23	---	154	276	298	101	2.3	0.95	2.0
30	2.3	e10	19	e22	---	157	247	313	80	2.2	0.96	1.8
31	2.0	---	23	e22	---	165	---	329	---	2.0	0.96	---
TOTAL	51.6	193.7	426.0	841	874	3269	8050	11087	11307	496.9	37.14	67.19
MEAN	1.665	6.457	13.74	27.13	31.21	105.5	268.3	357.6	376.9	16.03	1.198	2.240
MAX	2.3	14	23	42	92	174	451	673	1050	68	1.9	4.5
MIN	1.3	1.9	7.0	22	12	59	133	174	80	2.0	0.93	0.94
AC-FT	102	384	845	1670	1730	6480	15970	21990	22430	986	74	133

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1895 - 2002, BY WATER YEAR (WY)

MEAN	25.92	50.66	64.00	96.20	193.8	363.1	518.9	667.0	793.0	196.9	25.17	11.20
MAX	211	330	358	389	1295	1708	2583	3592	2831	1142	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	71.4	65.3	46.1	9.60	2.35	0.50	0.63
(WY)	1955	1955	1960	1960	1955	1961	1992	1959	1992	1954	1954	1955

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1895 - 2002	
ANNUAL TOTAL	19879.7		36700.53			
ANNUAL MEAN	54.46		100.5		250.1	
HIGHEST ANNUAL MEAN					1101	1984
LOWEST ANNUAL MEAN					35.6	1961
HIGHEST DAILY MEAN	741	May 18	1050	Jun 4	6530	Mar 4 1983
LOWEST DAILY MEAN	1.1	Sep 20	0.93	Aug 26	0.00	Aug 6 1900
ANNUAL SEVEN-DAY MINIMUM	1.1	Sep 19	0.95	Aug 26	0.00	Aug 6 1900
MAXIMUM PEAK FLOW			1220	Jun 4	7200	Feb 19 1986
MAXIMUM PEAK STAGE			5.90	Jun 4	12.30	Feb 13 1962
ANNUAL RUNOFF (AC-FT)	39430		72800		181200	
10 PERCENT EXCEEDS	160		300		728	
50 PERCENT EXCEEDS	13		18		73	
90 PERCENT EXCEEDS	1.3		1.5		2.1	

e Estimated

HUMBOLDT RIVER BASIN

10319900 SOUTH FORK HUMBOLDT RIVER ABOVE TENMILE CREEK NEAR ELKO, NV

LOCATION.--Lat 40°37'42", long 115°43'44", in NE $^1/_4$ SW $^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 5,280 ft above sea level, from topographic map.

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

REVISED RECORD.--NV-92-1:1991.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,710 ft^3/s, June 3, 1995, gage height, 5.82 ft; minimum daily, 2.2 ft^3/s, September 30, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,090 ft^3/s, June 2, gage height, 3.63 ft; minimum daily, 1.6 ft^3/s, August 18-21.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	8.2	10	20	15	32	51	320	847	75	2.9	2.7
2	2.7	8.7	13	20	14	33	59	421	994	58	2.8	2.7
3	2.6	8.7	14	22	14	29	69	367	891	58	2.8	2.7
4	2.5	8.0	14	21	14	29	85	300	742	55	2.6	2.7
5	2.5	7.9	12	18	14	30	106	274	664	57	2.5	2.7
6	2.7	7.8	15	20	14	31	118	251	669	50	2.3	3.2
7	2.8	8.3	16	22	15	33	118	246	664	44	2.3	3.9
8	3.6	9.1	e13	24	17	31	121	222	601	43	2.2	5.0
9	3.2	8.7	13	25	e15	30	125	214	487	46	2.2	5.1
10	3.4	8.8	8.9	22	e14	31	128	213	394	40	2.4	5.9
11	3.6	9.1	11	17	e16	32	126	196	340	37	2.3	5.3
12	3.9	8.3	10	19	e13	37	128	182	303	36	2.5	6.3
13	4.0	10	10	18	e11	38	138	179	272	35	2.3	6.4
14	3.9	11	11	16	e16	32	136	184	261	31	2.1	6.0
15	4.1	9.9	7.8	19	e13	28	187	204	273	28	2.0	6.9
16	4.0	9.3	11	15	24	29	180	217	266	28	1.8	8.8
17	3.7	9.3	12	18	27	28	171	255	253	e25	1.7	9.0
18	3.9	9.2	11	e16	29	27	153	331	249	22	1.6	9.1
19	4.1	9.0	13	e14	31	26	138	409	240	23	1.6	8.7
20	4.3	9.2	13	13	41	27	134	445	220	20	1.6	8.0
21	4.3	9.6	13	15	e34	29	125	471	211	18	1.6	7.6
22	4.0	15	11	e12	e32	30	116	535	193	14	1.7	7.4
23	4.2	14	12	e13	e31	34	110	528	171	8.6	1.8	6.3
24	4.6	13	11	13	e30	39	111	433	157	9.0	1.9	5.3
25	4.6	13	11	14	e26	41	112	355	142	9.9	1.9	5.3
26	5.0	12	7.7	16	38	38	136	306	128	9.1	1.9	5.7
27	5.8	8.6	12	18	35	36	236	304	112	7.3	2.3	4.8
28	6.2	5.3	13	e15	34	40	267	359	100	6.6	2.6	6.6
29	6.2	4.4	13	e13	---	41	254	450	90	6.1	2.7	5.1
30	6.4	6.6	14	15	---	43	240	558	84	3.7	2.7	5.9
31	7.5	---	17	16	---	47	---	725	---	3.1	2.8	---
TOTAL	126.9	280.0	373.4	539	627	1031	4178	10454	11018	906.4	68.4	171.1
MEAN	4.094	9.333	12.05	17.39	22.39	33.26	139.3	337.2	367.3	29.24	2.206	5.703
MAX	7.5	15	17	25	41	47	267	725	994	75	2.9	9.1
MIN	2.5	4.4	7.7	12	11	26	51	179	84	3.1	1.6	2.7
AC-FT	252	555	741	1070	1240	2040	8290	20740	21850	1800	136	339

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2002, BY WATER YEAR (WY)

MEAN	11.78	18.31	17.32	29.06	49.46	95.90	149.1	392.2	451.2	119.9	15.27	7.693
MAX	34.0	44.2	31.1	73.2	148	189	266	689	1096	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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1989 - 2002	
ANNUAL TOTAL	17366.8		29773.2			
ANNUAL MEAN	47.58		81.57		114.7	
HIGHEST ANNUAL MEAN					239	1998
LOWEST ANNUAL MEAN					36.1	1992
HIGHEST DAILY MEAN	636	May 16	994	Jun 2	2010	Jun 3 1995
LOWEST DAILY MEAN	2.3	Sep 17	1.6	Aug 18	1.6	Aug 18 2002
ANNUAL SEVEN-DAY MINIMUM	2.5	Sep 24	1.7	Aug 16	1.7	Aug 16 2002
MAXIMUM PEAK FLOW			1090	Jun 2	2710	Jun 3 1995
MAXIMUM PEAK STAGE			3.63	Jun 2	5.82	Jun 3 1995
ANNUAL RUNOFF (AC-FT)	34450		59060		83080	
10 PERCENT EXCEEDS	136		257		313	
50 PERCENT EXCEEDS	15		15		27	
90 PERCENT EXCEEDS	3.2		2.7		6.1	

e Estimated

HUMBOLDT RIVER BASIN

10320000 SOUTH FORK HUMBOLDT RIVER ABOVE DIXIE CREEK, NEAR ELKO, NV

LOCATION.--Lat 40°41'06", long 115°48'45", in NW $^1/_4$ SW $^1/_4$ sec.5, 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 mi^2, approximately.

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 NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation above station. Flow regulated by South Fork Reservoir, approximately 2.0 mi upstream, since December, 1987. Records not adjusted for storage. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to dam, 3,100 ft^3/s, January 12, 1979, gage height, 6.80 ft; maximum discharge after dam, 1,600 ft^3/s, June 6, 1995, gage height, 5.14 ft; minimum daily prior to dam, 0.10 ft^3/s, September 9, 1959; minimum daily after dam, 1.7 ft^3/s, September 15, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 635 ft^3/s, June 9-11, 13, gage height, 3.97 ft; minimum daily, 3.6 ft^3/s, February 18-19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.3	7.9	7.9	7.8	e4.2	12	49	235	437	72	8.9	4.9
2	8.3	8.0	8.5	7.6	e4.2	11	52	295	440	71	8.8	4.9
3	8.3	7.7	8.7	7.8	e4.2	11	64	342	521	66	8.6	4.8
4	8.4	7.6	8.0	7.4	e4.2	11	100	368	621	53	8.3	4.9
5	8.7	7.9	8.1	7.6	e4.2	11	100	367	621	52	8.1	5.1
6	8.8	7.8	9.3	7.2	e4.2	14	100	369	616	52	8.0	6.3
7	8.6	7.9	9.2	7.5	e4.2	15	99	294	621	52	7.6	6.7
8	8.3	8.0	8.0	7.5	e4.2	16	113	224	624	53	7.5	6.7
9	8.8	8.0	7.9	7.6	e4.2	15	127	224	627	53	7.4	6.3
10	8.6	7.8	7.6	7.2	e3.8	15	127	214	629	53	7.2	6.2
11	8.5	7.9	8.3	7.3	e3.7	16	124	199	625	36	7.1	6.1
12	8.3	8.0	8.0	7.3	e3.7	16	123	199	621	17	6.9	6.0
13	8.4	8.2	7.7	7.0	e3.7	17	123	200	621	17	6.7	5.7
14	8.3	8.1	8.4	7.5	e3.7	16	123	201	571	17	6.7	5.3
15	8.2	8.0	7.7	7.1	e3.7	16	125	192	519	17	6.8	5.1
16	8.0	8.0	8.7	7.3	e3.7	16	114	174	520	17	6.7	6.2
17	8.0	8.0	8.4	6.8	e3.7	15	116	175	394	17	6.4	6.2
18	8.1	8.0	8.1	6.7	e3.6	15	130	176	263	17	6.7	6.4
19	8.0	7.9	8.1	6.8	e3.6	17	125	209	236	17	7.1	6.8
20	7.9	8.3	8.1	6.9	e4.3	29	120	360	231	17	7.0	7.0
21	7.9	8.6	8.0	7.0	e4.9	41	117	419	205	17	7.1	7.1
22	7.9	11	7.4	6.8	e4.7	41	118	426	186	16	7.2	7.1
23	8.0	9.2	7.6	7.3	e5.4	41	117	478	188	16	7.2	7.1
24	7.7	8.8	7.4	7.5	e5.2	40	116	519	132	17	7.7	7.1
25	8.2	8.9	6.9	6.6	e5.6	40	117	519	73	16	8.4	7.8
26	8.3	8.8	8.1	6.5	e9.6	40	122	466	75	17	8.7	7.1
27	8.3	8.2	8.2	7.0	13	39	127	425	75	17	8.8	6.7
28	8.2	7.4	8.2	6.8	13	39	159	425	74	16	9.4	6.9
29	8.1	8.7	8.4	4.9	---	44	199	421	73	14	9.8	7.2
30	8.4	8.3	8.2	e4.4	---	49	206	424	73	9.6	8.3	7.5
31	8.3	---	7.6	e4.2	---	49	---	432	---	9.0	4.7	---
TOTAL	256.1	246.9	250.7	214.9	140.4	767	3552	9971	11512	930.6	235.8	189.2
MEAN	8.261	8.230	8.087	6.932	5.014	24.74	118.4	321.6	383.7	30.02	7.606	6.307
MAX	8.8	11	9.3	7.8	13	49	206	519	629	72	9.8	7.8
MIN	7.7	7.4	6.9	4.2	3.6	11	49	174	73	9.0	4.7	4.8
AC-FT	508	490	497	426	278	1520	7050	19780	22830	1850	468	375

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2002, BY WATER YEAR (WY)

MEAN	13.10	14.86	19.87	27.86	45.42	104.4	143.0	348.4	438.8	123.2	26.16	12.32
MAX	26.5	39.2	47.7	102	138	244	311	661	1068	518	103	26.8
(WY)	1999	1999	1999	1997	1996	1996	1996	1998	1998	1998	1997	1997
MIN	4.55	7.67	8.09	6.93	5.01	24.4	36.8	105	27.8	8.60	5.97	3.12
(WY)	1991	1993	2002	2002	2002	1991	1991	1991	1992	1992	1992	1988

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1988 - 2002	
ANNUAL TOTAL	18042.5		28266.6			
ANNUAL MEAN	49.43		77.44		110.0	
HIGHEST ANNUAL MEAN					235	1998
LOWEST ANNUAL MEAN					36.1	1992
HIGHEST DAILY MEAN	588	May 17	629	Jun 10	1500	Jun 6 1995
LOWEST DAILY MEAN	5.6	Sep 15	3.6	Feb 18	1.7	Sep 15 1988
ANNUAL SEVEN-DAY MINIMUM	6.3	Sep 11	3.7	Feb 13	2.6	Aug 26 1988
MAXIMUM PEAK FLOW			635	Jun 9	1600	Jun 6 1995
MAXIMUM PEAK STAGE			3.97	Jun 9	5.14	Jun 6 1995
ANNUAL RUNOFF (AC-FT)	35790		56070		79690	
10 PERCENT EXCEEDS	143		247		303	
50 PERCENT EXCEEDS	13		8.4		25	
90 PERCENT EXCEEDS	7.9		5.7		8.1	

e Estimated

10321000 HUMBOLDT RIVER NEAR CARLIN, NV

LOCATION.--Lat 40°43'40", long 116°00'30", in SE $^1/_4$ SE $^1/_4$ 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.--4,340 mi^2.

PERIOD OF RECORD.--October 1943 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,931.91 ft above NGVD 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 ft^3/s, May 17, 1984, gage height, 10.04 ft, maximum gage height, 10.21 ft, February 14, 1962; minimum daily, 0.20 ft^3/s, August 13, 1959.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of February 28, 1910, estimated to have reached 15,000 ft^3/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, 1,350 ft^3/s, June 6 and 7, gage height, 4.54 ft; minimum daily, 3.4 ft^3/s, August 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	17	26	e28	e15	e63	240	467	632	151	12	11
2	15	18	22	e29	e13	e69	256	532	702	142	13	9.6
3	15	19	26	e31	e13	e76	275	644	814	133	13	9.0
4	14	19	24	e22	e15	89	318	791	1040	118	13	8.8
5	15	19	23	e20	e18	89	331	817	1200	105	13	8.8
6	15	19	27	e26	e22	89	336	778	1280	93	13	10
7	15	19	30	e27	e26	103	338	708	1220	84	13	11
8	16	19	31	e28	e26	106	334	555	1160	75	13	9.6
9	16	19	e28	e29	e25	107	360	527	1110	69	13	9.1
10	16	20	e26	e31	e24	114	361	499	1100	66	14	8.9
11	17	20	27	e32	e23	126	356	476	1070	62	14	9.0
12	17	20	34	e32	e22	122	347	474	1020	49	14	9.0
13	17	21	31	e31	e20	125	349	471	970	34	9.5	9.1
14	17	21	e26	e34	e27	160	349	463	877	28	4.2	8.9
15	18	21	e24	e29	e24	177	345	450	748	26	3.4	8.3
16	18	21	e28	e28	e23	153	343	416	712	23	4.7	9.4
17	18	21	e28	e27	e24	140	336	393	644	20	4.0	9.9
18	17	21	e29	e26	e27	130	356	373	464	20	6.0	9.6
19	17	21	e29	e25	e29	123	387	360	405	20	11	8.9
20	18	21	e26	e23	e36	121	411	446	388	19	14	9.3
21	18	22	e28	e24	e54	134	417	577	375	20	15	9.3
22	18	29	e27	e22	e50	150	407	614	344	17	14	9.3
23	18	31	e27	e19	e46	176	370	687	328	12	15	9.3
24	18	30	e26	e22	e45	187	328	851	322	10	13	9.3
25	18	29	e26	e20	e47	192	297	907	233	8.8	12	9.3
26	18	26	e26	e18	e48	198	274	859	210	7.7	12	9.5
27	19	25	e25	e17	e54	200	287	756	191	6.7	11	9.8
28	19	23	e25	e14	e60	201	296	693	178	14	11	9.8
29	18	22	e26	e10	---	205	384	638	173	18	12	10
30	17	27	e26	e12	---	226	438	629	164	18	12	10
31	17	---	e27	e14	---	233	---	623	---	15	12	---
TOTAL	526	660	834	750	856	4384	10226	18474	20074	1484.2	353.8	282.8
MEAN	16.97	22.00	26.90	24.19	30.57	141.4	340.9	595.9	669.1	47.88	11.41	9.427
MAX	19	31	34	34	60	233	438	907	1280	151	15	11
MIN	14	17	22	10	13	63	240	360	164	6.7	3.4	8.3
AC-FT	1040	1310	1650	1490	1700	8700	20280	36640	39820	2940	702	561

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2002, BY WATER YEAR (WY)

MEAN	44.04	73.98	95.98	138.3	263.7	507.9	709.3	985.8	1238	347.3	52.64	26.20
MAX	331	361	625	452	1324	2190	3684	5728	4875	1908	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	107	108	78.8	41.0	6.96	0.92	0.52
(WY)	1955	1955	1955	1955	1955	1955	1959	1959	1992	1966	1959	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1944 - 2002	
ANNUAL TOTAL	37006.4		58904.8			
ANNUAL MEAN	101.4		161.4		372.9	
HIGHEST ANNUAL MEAN					1730	1984
LOWEST ANNUAL MEAN					63.6	1959
HIGHEST DAILY MEAN	726	May 20	1280	Jun 6	8090	May 18 1984
LOWEST DAILY MEAN	2.8	Aug 20	3.4	Aug 15	0.20	Aug 13 1959
ANNUAL SEVEN-DAY MINIMUM	5.5	Aug 15	6.1	Aug 13	0.30	Aug 11 1959
MAXIMUM PEAK FLOW			1350	Jun 6	8250	May 17 1984
MAXIMUM PEAK STAGE			4.54	Jun 6	10.21	Feb 14 1962
ANNUAL RUNOFF (AC-FT)	73400		116800		270100	
10 PERCENT EXCEEDS	263		510		1070	
50 PERCENT EXCEEDS	31		26		115	
90 PERCENT EXCEEDS	14		10		14	

e Estimated

HUMBOLDT RIVER BASIN

10321590 SUSIE CREEK AT CARLIN, NV

LOCATION.--Lat 40°43'34", long 116°04'37", in SE $^1/_4$ SW $^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 4,910 ft above NGVD 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 ft^3/s, March 16, 1997, gage height, 6.56 ft; no flow many days, most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Discharge 2,470 ft^3/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, 325 ft^3/s, March 30, gage height, 4.27 ft, no flow many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	e0.10	e1.7	e2.5	e3.1	7.8	147	11	1.8	0.00	0.00	0.00
2	0.00	e0.20	e2.4	e2.4	e3.5	6.7	152	19	1.9	0.00	0.00	0.00
3	0.00	e0.20	e2.7	e2.7	e3.4	6.5	105	13	1.7	0.00	0.00	0.00
4	0.00	e0.21	e2.4	e2.5	e3.4	6.1	71	11	1.3	0.00	0.00	0.00
5	0.00	e0.21	e2.2	e2.6	e3.9	6.3	49	9.7	1.1	0.00	0.00	0.00
6	0.00	0.22	e2.8	e2.8	e4.3	6.7	38	9.5	0.95	0.00	0.00	0.00
7	0.00	0.28	e2.6	e3.2	e5.7	7.8	28	9.2	1.0	0.00	0.00	0.00
8	0.00	0.26	e2.2	e3.2	e6.5	7.6	23	9.2	1.4	0.00	0.00	0.00
9	0.00	0.32	e2.5	e3.2	e8.0	6.9	19	9.1	1.7	0.00	0.00	0.00
10	0.00	0.34	e2.3	e2.8	e10	6.4	17	8.9	1.7	0.00	0.00	0.00
11	0.00	0.35	e2.1	e3.2	e11	6.2	15	8.8	1.7	0.00	0.00	0.00
12	0.00	0.48	e2.0	e3.5	e12	6.8	13	8.0	1.6	0.00	0.00	0.00
13	0.00	0.49	e2.2	e3.2	e10	20	12	5.4	1.3	0.00	0.00	0.00
14	0.00	0.43	e2.5	e3.1	e14	12	11	4.6	0.99	0.00	0.00	0.00
15	0.00	0.42	e2.7	e2.9	e12	9.8	13	4.3	0.86	0.00	0.00	0.00
16	0.00	0.42	e2.5	e2.8	e15	8.1	13	3.9	0.61	0.00	0.00	0.00
17	0.00	0.44	e2.7	e2.7	e21	7.8	12	3.6	0.35	0.00	0.00	0.00
18	0.00	0.50	e3.1	e2.6	e29	6.8	12	3.5	0.23	0.00	0.00	0.00
19	0.00	0.99	e3.7	e3.0	e28	5.5	12	3.4	0.11	0.00	0.00	0.00
20	0.00	2.1	e4.7	e2.6	e56	5.4	12	3.1	0.00	0.00	0.00	0.00
21	0.00	2.5	e4.3	e3.0	36	11	9.9	4.4	0.00	0.00	0.00	0.00
22	0.00	5.8	e3.9	e2.6	24	24	8.4	4.7	0.01	0.00	0.00	0.00
23	0.00	5.0	e3.7	e2.7	18	74	7.4	4.4	0.15	0.00	0.00	0.00
24	0.00	4.2	e3.3	e2.6	14	42	6.5	3.8	0.10	0.00	0.00	0.00
25	0.00	4.5	e3.0	e3.2	11	26	6.0	3.4	0.00	0.00	0.00	0.00
26	0.00	3.5	e2.7	e3.7	9.2	27	6.7	3.0	0.00	0.00	0.00	0.00
27	0.00	e3.0	e2.3	e4.0	10	51	13	2.7	0.00	0.00	0.00	0.00
28	0.00	e2.7	e1.9	e3.8	8.6	132	13	2.3	0.00	0.00	0.00	0.00
29	0.00	e2.2	e1.6	e3.4	---	126	10	2.0	0.00	0.00	0.00	0.00
30	0.00	e1.6	e2.3	e3.2	---	176	9.3	1.8	0.00	0.00	0.00	0.00
31	0.00	---	e2.6	e2.9	---	166	---	1.5	---	0.00	0.00	---
TOTAL	0.00	43.96	83.6	92.6	390.6	1012.2	864.2	192.2	22.56	0.00	0.00	0.00
MEAN	0.000	1.465	2.697	2.987	13.95	32.65	28.81	6.200	0.752	0.000	0.000	0.000
MAX	0.00	5.8	4.7	4.0	56	176	152	19	1.9	0.00	0.00	0.00
MIN	0.00	0.10	1.6	2.4	3.1	5.4	6.0	1.5	0.00	0.00	0.00	0.00
AC-FT	0.00	87	166	184	775	2010	1710	381	45	0.00	0.00	0.00

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

MEAN	1.141	2.219	3.574	8.239	8.957	42.06	20.10	10.72	3.011	0.257	0.049	0.235
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	0.000	1.23	0.22	0.18	0.18	5.97	3.01	0.34	0.000	0.000	0.000	0.000
(WY)	1995	1995	1993	1993	1993	1994	1994	1992	2001	1992	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1992 - 2002	
ANNUAL TOTAL	741.53		2701.92			
ANNUAL MEAN	2.032		7.403		8.516	
HIGHEST ANNUAL MEAN					22.1	1997
LOWEST ANNUAL MEAN					1.80	1994
HIGHEST DAILY MEAN	46	Mar 9	176	Mar 30	424	Mar 17 1997
LOWEST DAILY MEAN	0.00	Jan 17	0.00	Oct 1	0.00	May 23 1992
ANNUAL SEVEN-DAY MINIMUM	0.00	May 28	0.00	Oct 1	0.00	May 23 1992
MAXIMUM PEAK FLOW			325	Mar 30	561	Mar 16 1997
MAXIMUM PEAK STAGE			4.27	Mar 30	6.56	Mar 16 1997
ANNUAL RUNOFF (AC-FT)	1470		5360		6170	
10 PERCENT EXCEEDS	4.8		13		18	
50 PERCENT EXCEEDS	0.42		2.2		2.1	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

HUMBOLDT RIVER BASIN

10321925 SIMON CREEK NEAR HIGHWAY 766 NEAR CARLIN, NV

LOCATION.--Lat 40°50'35", long 116°13'24", in NW $^1/_4$ NE $^1/_4$ sec.22, T.34 S., R.51 E., Eureka County, Hydrologic Unit 16040101, on right bank, above culvert on Highway 766, 11.1 mi northwest of Carlin.

DRAINAGE AREA--46.0 mi^2.

PERIOD OF RECORD.--November 1996 to current year.

GAGE.--Water-stage recorder. Elevation at gage is 5,150 ft above NGVD 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 recorded discharge, 237 ft^3/s, March 8, 1997, gage height, 3.73, from rating extension above 5.0 ft^3/s but may have been higher January 2, 1997 at gage height, 5.55 ft, backwater from debris on culvert; maximum gage height, 6.41 ft, January 17, 1998, ice jam; minimum daily, 0.10 ft^3/s, August 16, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 93 ft^3/s, February 20, gage height, 3.97 ft; minimum daily, 0.18 ft^3/s, August 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.37	e0.39	0.40	0.51	1.1	2.0	0.62	0.78	0.56	0.41	0.25	0.29
2	0.35	e0.39	0.47	0.48	0.72	1.8	0.64	0.67	0.57	0.39	0.25	0.29
3	0.36	e0.39	0.48	0.54	0.52	1.7	0.61	0.61	0.56	0.38	0.25	0.29
4	0.36	e0.39	0.46	0.48	0.62	1.7	0.61	0.61	0.55	0.38	0.25	0.29
5	0.35	e0.39	0.44	0.42	0.71	2.4	0.61	0.61	0.55	0.37	0.24	0.30
6	0.35	e0.40	0.55	0.42	0.66	3.0	0.64	0.61	0.54	0.36	0.23	0.34
7	0.35	e0.40	0.50	0.42	0.94	4.0	0.63	0.61	0.53	0.37	0.22	0.34
8	0.35	e0.40	0.45	0.44	0.88	1.9	0.61	0.61	0.53	0.36	0.22	0.30
9	0.36	e0.40	0.47	0.46	0.77	0.87	0.62	0.61	0.53	0.37	0.19	0.23
10	e0.35	e0.40	0.43	0.45	0.84	0.66	0.61	0.66	0.53	0.36	0.20	0.23
11	e0.35	e0.40	0.42	0.42	0.56	1.1	0.61	0.65	0.53	0.35	0.21	0.22
12	e0.35	e0.40	0.42	0.41	0.57	2.3	0.62	0.61	0.53	0.34	0.20	0.23
13	e0.36	e0.40	0.45	0.38	0.56	1.2	0.61	0.61	0.53	0.34	0.19	0.22
14	e0.36	e0.40	0.53	0.37	0.57	0.71	0.60	0.61	0.53	0.34	0.21	0.24
15	e0.36	0.40	0.50	0.35	0.49	0.68	0.63	0.61	0.53	0.33	0.21	0.25
16	e0.36	0.40	0.49	0.33	0.48	0.67	0.67	0.61	0.53	0.33	0.21	0.27
17	e0.37	0.39	0.48	0.30	0.55	0.73	0.68	0.59	0.53	0.32	0.21	0.24
18	e0.37	0.39	0.49	0.32	0.55	0.73	0.84	0.58	0.53	0.33	0.20	0.24
19	e0.37	0.38	0.50	0.36	0.69	0.72	0.93	0.58	0.53	0.32	0.18	0.26
20	e0.37	0.39	0.50	0.50	28	0.65	0.71	0.58	0.53	0.31	0.19	0.28
21	e0.38	0.51	0.50	0.49	10	0.65	0.67	0.72	0.54	0.30	0.19	0.30
22	e0.38	0.70	0.50	0.45	8.8	0.67	0.67	0.62	0.54	0.30	0.20	0.27
23	e0.38	0.40	0.50	0.46	9.0	0.79	0.69	0.61	0.53	0.28	0.21	0.26
24	e0.38	0.40	0.45	0.64	7.7	0.90	0.63	0.59	0.53	0.27	0.20	0.25
25	e0.38	0.41	0.44	0.70	3.7	0.83	0.66	0.59	0.53	0.25	0.21	0.26
26	e0.38	0.40	0.46	0.62	3.0	0.83	0.63	0.59	0.53	0.26	0.22	0.25
27	e0.38	0.39	0.47	0.72	2.4	0.80	0.68	0.57	0.49	0.26	0.24	0.27
28	e0.39	0.38	0.47	0.73	2.6	0.67	0.66	0.57	0.46	0.26	0.25	0.27
29	e0.39	0.39	0.47	0.76	---	0.72	0.62	0.57	0.44	0.26	0.25	0.26
30	e0.39	0.40	0.49	0.75	---	0.68	0.61	0.55	0.43	0.25	0.26	0.25
31	e0.39	---	0.54	0.93	---	0.61	---	0.54	---	0.24	0.28	---
TOTAL	11.39	12.28	14.72	15.61	87.98	37.67	19.62	18.93	15.77	9.99	6.82	7.99
MEAN	0.367	0.409	0.475	0.504	3.142	1.215	0.654	0.611	0.526	0.322	0.220	0.266
MAX	0.39	0.70	0.55	0.93	28	4.0	0.93	0.78	0.57	0.41	0.28	0.34
MIN	0.35	0.38	0.40	0.30	0.48	0.61	0.60	0.54	0.43	0.24	0.18	0.22
AC-FT	23	24	29	31	175	75	39	38	31	20	14	16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2002, BY WATER YEAR (WY)

MEAN	0.531	0.603	0.827	1.587	1.771	2.797	1.590	1.457	0.838	0.436	0.334	0.410
MAX	0.99	0.80	2.00	3.47	3.14	9.20	3.89	4.24	1.73	0.90	0.61	0.82
(WY)	1999	2000	1997	1998	2002	1997	1998	1998	1998	1998	1998	1998
MIN	0.33	0.41	0.47	0.43	0.47	1.17	0.65	0.45	0.31	0.21	0.14	0.27
(WY)	2000	2002	2002	2001	2001	2000	2002	2001	2001	2001	2001	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1997 - 2002	
ANNUAL TOTAL	173.84		258.77			
ANNUAL MEAN	0.476		0.709		0.909	
HIGHEST ANNUAL MEAN					1.84	1998
LOWEST ANNUAL MEAN					0.48	2001
HIGHEST DAILY MEAN	3.2	Mar 13	28	Feb 20	38	Mar 8 1997
LOWEST DAILY MEAN	0.10	Aug 16	0.18	Aug 19	0.10	Aug 16 2001
ANNUAL SEVEN-DAY MINIMUM	0.11	Aug 11	0.20	Aug 18	0.11	Aug 11 2001
MAXIMUM PEAK FLOW			93	Feb 20	237	Mar 8 1997
MAXIMUM PEAK STAGE			3.97	Feb 20	6.41	Jan 17 1998
ANNUAL RUNOFF (AC-FT)	345		513		659	
10 PERCENT EXCEEDS	0.65		0.75		1.6	
50 PERCENT EXCEEDS	0.39		0.47		0.60	
90 PERCENT EXCEEDS	0.17		0.25		0.27	

e Estimated

HUMBOLDT RIVER BASIN

10321940 MAGGIE CREEK ABOVE MAGGIE CREEK CANYON NEAR CARLIN, NV

LOCATION.--Lat 40°49'30", long 116°13'21", in SE $^1/_4$ NE $^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 5,125 ft above NGVD of 1929, from topographic map.

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, 559 ft^3/s March 22, 1997, gage height, 5.02 ft; minimum daily, 0.14 ft^3/s August 8, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 152 ft^3/s, February 20, gage height, 3.79 ft; minimum daily, 0.36 ft^3/s, July 27-28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	2.6	4.8	5.3	4.0	9.3	29	35	12	1.9	0.43	1.3
2	1.1	2.5	5.3	5.2	4.0	9.8	36	37	15	1.7	0.47	1.1
3	1.1	2.8	6.1	5.7	3.8	9.5	46	35	21	1.6	0.48	1.1
4	1.1	2.8	5.2	5.3	3.8	8.9	51	36	19	1.5	0.44	1.4
5	1.2	3.3	4.8	5.2	3.8	8.5	54	35	16	1.4	0.38	1.6
6	1.3	3.3	5.9	5.3	3.8	9.9	60	35	14	1.2	0.40	1.9
7	1.4	3.3	6.3	5.6	4.2	14	62	36	12	1.1	0.39	1.8
8	1.4	3.1	4.6	5.5	4.4	15	57	37	11	0.93	0.44	1.8
9	1.4	3.2	4.4	5.3	3.6	12	54	38	11	0.97	0.60	1.7
10	1.5	3.4	4.0	4.9	3.6	9.8	49	40	11	0.87	0.59	1.5
11	1.5	3.7	4.2	4.6	3.5	10	43	42	11	0.83	0.54	1.5
12	1.7	4.1	4.1	4.9	3.5	13	39	35	11	0.80	0.47	1.4
13	1.6	4.3	4.3	4.6	3.4	16	38	30	9.7	0.72	0.45	1.2
14	1.6	4.4	6.0	4.5	3.6	13	43	27	8.8	0.74	0.48	1.3
15	1.7	4.0	5.4	4.6	3.5	11	58	25	8.0	0.84	0.69	1.3
16	1.7	3.8	5.1	4.2	4.0	10	60	25	7.2	0.92	0.66	1.9
17	1.7	3.9	4.7	4.1	4.8	10	53	23	6.3	0.90	0.71	1.6
18	1.4	4.0	4.8	4.4	5.6	9.8	51	22	5.6	1.0	0.74	1.2
19	1.5	3.9	4.6	3.9	6.6	9.1	42	22	5.4	1.1	0.82	1.6
20	1.6	4.2	4.6	4.1	55	8.3	37	21	5.3	0.97	0.66	1.4
21	1.6	4.9	4.5	4.6	25	9.4	28	26	5.7	0.90	0.88	1.5
22	1.7	10	4.2	4.4	21	10	24	30	5.8	0.76	0.86	1.5
23	1.7	6.2	4.3	3.9	22	12	21	e25	5.2	0.60	1.0	1.8
24	1.6	5.1	3.8	4.0	20	14	18	e20	4.7	0.57	1.0	1.9
25	1.5	5.4	3.8	4.3	15	14	18	16	4.0	0.49	1.1	2.0
26	1.7	4.8	3.8	4.2	11	12	19	14	3.9	0.49	1.4	0.94
27	1.8	4.1	4.3	4.8	10	11	27	13	3.8	0.36	1.5	1.6
28	1.9	3.8	4.3	4.3	9.9	11	27	13	2.7	0.36	1.5	1.6
29	1.9	4.6	4.4	3.7	---	13	26	14	2.6	0.48	1.4	1.4
30	2.2	5.2	4.7	3.9	---	15	27	13	2.3	0.46	1.3	1.7
31	2.7	---	5.2	3.8	---	20	---	12	---	0.42	1.3	---
TOTAL	48.9	124.7	146.5	143.1	266.4	358.3	1197	832	261.0	27.88	24.08	45.54
MEAN	1.577	4.157	4.726	4.616	9.514	11.56	39.90	26.84	8.700	0.899	0.777	1.518
MAX	2.7	10	6.3	5.7	55	20	62	42	21	1.9	1.5	2.0
MIN	1.1	2.5	3.8	3.7	3.4	8.3	18	12	2.3	0.36	0.38	0.94
AC-FT	97	247	291	284	528	711	2370	1650	518	55	48	90

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2002, BY WATER YEAR (WY)

MEAN	5.654	6.979	6.948	11.10	16.59	55.55	69.11	77.62	28.62	5.186	2.864	3.345
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	1.58	4.16	4.73	4.62	6.13	7.95	12.1	10.9	1.67	0.59	0.43	0.96
(WY)	2002	2002	2002	2002	2001	2001	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1997 - 2002	
ANNUAL TOTAL	1721.52		3475.40			
ANNUAL MEAN	4.716		9.522		19.03	
HIGHEST ANNUAL MEAN					49.3	1998
LOWEST ANNUAL MEAN					5.13	2001
HIGHEST DAILY MEAN	20	Apr 29	62	Apr 7	505	Mar 22 1997
LOWEST DAILY MEAN	0.14	Aug 8	0.36	Jul 27	0.14	Aug 8 2001
ANNUAL SEVEN-DAY MINIMUM	0.21	Aug 4	0.43	Jul 27	0.21	Aug 4 2001
MAXIMUM PEAK FLOW			152	Feb 20	559	Mar 22 1997
MAXIMUM PEAK STAGE			3.79	Feb 20	5.02	Mar 22 1997
ANNUAL RUNOFF (AC-FT)	3410		6890		13790	
10 PERCENT EXCEEDS	10		27		42	
50 PERCENT EXCEEDS	4.2		4.3		7.5	
90 PERCENT EXCEEDS	0.53		0.87		1.1	

e Estimated

HUMBOLDT RIVER BASIN

10321950 MAGGIE CREEK AT MAGGIE CREEK CANYON NEAR CARLIN, NV

LOCATION.--Lat 40°48'12", long 116°11'57", in NE $^1/_4$ SE $^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 5,085 ft above NGVD of 1929, from topographic map. Prior to June 2, 1992, at datum 1.00 ft higher.

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, 591 ft^3/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, 122 ft^3/s, February 20, gage height, 2.94 ft; no flow, many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	e4.0	24	31	7.9	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	e4.0	31	32	9.4	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	e3.8	39	31	13	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	e3.7	43	31	11	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	e3.6	46	29	9.3	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	e4.0	50	28	8.1	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	e4.4	52	29	7.0	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	e5.0	51	30	6.5	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	e4.8	50	30	6.4	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	e4.7	48	31	6.3	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	e5.5	43	33	6.2	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.14	e6.0	40	28	5.7	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.09	7.7	39	24	4.9	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.41	7.1	42	21	4.0	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	e0.65	6.5	52	19	3.3	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	e0.90	5.5	55	18	2.5	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	e1.2	5.4	52	18	1.9	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	e1.8	6.7	50	17	1.5	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	e1.9	5.4	46	16	1.5	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	30	4.3	39	16	1.4	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	63	4.9	30	23	1.5	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	e7.0	5.9	24	24	1.6	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	e5.0	7.3	20	23	1.3	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	e4.5	9.0	17	20	1.1	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	e4.5	8.9	17	16	0.92	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	e4.3	7.8	18	14	0.86	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	e4.3	7.5	26	12	0.82	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	e4.3	8.5	26	10	0.71	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	9.5	24	9.0	0.58	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	11	25	8.1	0.20	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	16	---	7.4	---	0.00	0.00	---
TOTAL	0.00	0.00	0.00	0.00	133.99	198.4	1119	678.5	127.39	0.00	0.00	0.00
MEAN	0.000	0.000	0.000	0.000	4.785	6.400	37.30	21.89	4.246	0.000	0.000	0.000
MAX	0.00	0.00	0.00	0.00	63	16	55	33	13	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	3.6	17	7.4	0.20	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	266	394	2220	1350	253	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2002, BY WATER YEAR (WY)

MEAN	3.177	4.306	4.974	9.798	11.88	52.97	59.76	53.67	17.18	2.641	1.098	1.443
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	0.000	0.000	0.000	0.000	0.63	5.38	7.04	2.47	0.039	0.000	0.000	0.000
(WY)	1993	2001	2002	2002	1993	2001	1991	1992	2001	2001	1991	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1989 - 2002	
ANNUAL TOTAL	623.70		2257.28			
ANNUAL MEAN	1.709		6.184		18.60	
HIGHEST ANNUAL MEAN					48.5	1997
LOWEST ANNUAL MEAN					1.71	2001
HIGHEST DAILY MEAN	16	Apr 21	63	Feb 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	Jun 9	0.00	Oct 1	0.00	Jul 23 1991
MAXIMUM PEAK FLOW			122	Feb 20	591	Mar 27 1993
MAXIMUM PEAK STAGE			2.94	Feb 20	4.67	Mar 22 1997
ANNUAL RUNOFF (AC-FT)	1240		4480		13480	
10 PERCENT EXCEEDS	6.6		25		40	
50 PERCENT EXCEEDS	0.00		0.00		5.4	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

HUMBOLDT RIVER BASIN

10322000 MAGGIE CREEK AT CARLIN, NV

LOCATION.--Lat 40°42'59", long 116°05'32", in NW $^1/_4$ SE $^1/_4$ 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 mi^2.

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 ft^3/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 ft^3/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, 93 ft^3/s, February 20, gage height, 2.54 ft; minimum daily, 0.33 ft^3/s, August 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.59	5.5	7.1	6.3	7.3	9.4	27	43	e7.5	0.98	0.60	1.5
2	0.63	4.6	7.0	6.2	7.4	9.5	21	45	e8.0	0.84	0.59	1.5
3	0.64	4.4	7.2	6.3	7.3	9.2	26	43	e9.8	0.75	0.58	1.8
4	0.64	4.7	7.3	6.5	8.2	9.4	30	43	e13	0.72	0.52	2.8
5	0.64	5.9	7.5	6.8	8.4	9.3	34	42	e12	0.72	0.45	3.4
6	0.67	5.5	7.5	6.5	8.0	9.5	37	41	e10	0.71	0.44	5.0
7	0.70	4.9	6.9	6.4	7.5	11	37	40	e8.5	0.71	0.43	4.9
8	0.73	5.5	7.3	6.4	7.5	12	37	40	e7.5	0.67	0.46	4.8
9	0.79	5.4	7.5	6.1	7.5	11	37	38	e7.0	0.67	0.49	4.9
10	0.88	5.1	7.8	6.1	7.3	11	37	38	e6.7	0.84	0.48	4.8
11	0.92	5.1	7.7	6.4	7.2	11	34	33	e6.7	0.93	0.46	5.3
12	0.96	4.4	7.4	6.5	7.4	10	30	25	e6.2	1.4	0.41	5.7
13	1.00	3.6	7.5	6.2	7.1	5.8	29	22	e5.8	1.3	0.66	6.4
14	1.0	5.1	8.2	6.3	6.9	5.2	31	19	e5.3	1.4	0.53	7.1
15	1.0	5.5	7.6	6.7	7.2	4.1	36	18	e4.1	1.7	e0.50	6.6
16	2.9	5.5	7.2	6.9	7.3	4.0	41	17	e3.5	1.6	e0.52	6.7
17	4.4	5.0	7.3	6.9	8.1	3.6	39	15	e2.6	1.4	e0.53	6.4
18	7.4	4.1	7.4	7.1	15	2.8	38	15	e1.5	1.3	e0.59	6.2
19	8.3	5.3	7.4	6.9	10	3.1	36	15	1.5	1.2	e0.45	5.9
20	7.7	4.9	7.1	7.1	53	2.2	31	14	1.7	1.00	e0.33	5.6
21	3.0	5.1	6.5	6.5	30	1.8	26	18	2.4	0.87	e0.54	5.3
22	3.3	6.3	7.1	6.2	17	3.7	21	21	2.5	0.73	e0.59	6.0
23	3.6	4.6	7.1	6.3	15	19	18	26	2.4	0.62	e0.65	5.9
24	3.9	5.8	7.3	6.4	15	21	16	23	1.8	0.62	e0.72	5.1
25	4.3	6.2	7.4	6.2	13	21	20	17	1.6	0.63	e0.71	5.4
26	4.1	5.2	7.5	6.5	10	20	33	16	1.7	0.57	e0.66	5.4
27	4.1	5.7	6.5	6.6	9.3	19	37	15	1.8	0.55	e0.76	5.3
28	4.3	6.5	6.6	6.5	9.0	20	40	12	1.9	0.55	1.0	4.8
29	3.1	6.6	6.4	7.4	---	21	38	10	1.5	0.61	1.4	3.7
30	5.4	6.4	6.4	e6.6	---	22	39	8.5	1.2	0.66	1.7	3.3
31	5.8	---	6.5	e6.8	---	25	---	7.6	---	0.62	1.6	---
TOTAL	87.39	158.4	223.2	202.6	323.9	346.6	956	780.1	147.7	27.87	20.35	147.5
MEAN	2.82	5.28	7.20	6.54	11.6	11.2	31.9	25.2	4.92	0.90	0.66	4.92
MAX	8.3	6.6	8.2	7.4	53	25	41	45	13	1.7	1.7	7.1
MIN	0.59	3.6	6.4	6.1	6.9	1.8	16	7.6	1.2	0.55	0.33	1.5
AC-FT	173	314	443	402	642	687	1900	1550	293	55	40	293

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2002, BY WATER YEAR (WY)

MEAN	8.35	11.1	10.7	17.0	24.5	68.5	91.3	83.5	24.1	6.18	4.41	4.57
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	0.000	0.000	0.000	0.000	0.099	1.96	8.71	0.12	0.068	0.006	0.000	0.000
(WY)	1993	1993	1993	1924	1993	1994	1994	1992	1992	1992	1919	1919

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1913 - 2002	
ANNUAL TOTAL	1918.85		3421.61			
ANNUAL MEAN	5.26		9.37		28.4	
HIGHEST ANNUAL MEAN					76.4	1997
LOWEST ANNUAL MEAN					4.06	1924
HIGHEST DAILY MEAN	21	Apr 21	53	Feb 20	750	May 7 1922
LOWEST DAILY MEAN	0.11	Aug 23	0.33	Aug 20	0.00	Aug 17 1915
ANNUAL SEVEN-DAY MINIMUM	0.12	Aug 22	0.45	Aug 6	0.00	Aug 17 1915
MAXIMUM PEAK FLOW			93	Feb 20	800	May 7 1922
MAXIMUM PEAK STAGE			2.54	Feb 20	5.88	Mar 27 1993
ANNUAL RUNOFF (AC-FT)	3810		6790		20580	
10 PERCENT EXCEEDS	11		26		79	
50 PERCENT EXCEEDS	4.8		6.4		7.8	
90 PERCENT EXCEEDS	0.32		0.66		0.30	

e Estimated

10322150 MARYS CREEK AT CARLIN, NV

LOCATION.--Lat 40°42'38", long 116°07'30", in SE $^1/_4$ SE $^1/_4$ 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.--45.4 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 4,930 ft above NGVD of 1929, from topographic map. Prior to June 3, 1992, at datum 2.0 ft higher.

REMARKS.--No estimated daily discharges. Records poor. Discharge affected by intermittent pumping for Carlin water system. See schematic diagram of Humboldt River Basin

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 530 ft^3/s, March 17, 1993, gage height, 8.15 ft; minimum daily, 0.11 ft^3/s, September 18, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 53 ft^3/s, February 20, gage height, 5.11 ft; maximum gage height, 5.56 ft, October 1, backwater from beaver dam; minimum daily, 0.11 ft^3/s, September 18.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	6.4	6.6	5.8	4.1	4.5	13	2.2	2.9	6.9	11	0.71
2	6.4	6.7	6.1	5.8	4.0	4.5	15	4.3	3.0	8.8	7.1	0.66
3	7.5	6.2	6.5	5.4	3.6	5.1	16	7.1	2.9	9.7	8.2	0.66
4	6.9	5.1	6.7	5.2	3.5	4.3	16	4.0	2.8	12	7.1	1.1
5	5.0	5.3	6.9	5.4	3.5	4.7	18	3.1	4.0	12	6.3	1.2
6	4.6	4.7	7.0	5.0	3.5	4.5	18	2.9	2.4	13	5.3	1.1
7	5.0	4.5	6.7	5.0	3.4	5.0	14	2.3	0.87	12	4.4	0.92
8	3.7	4.4	6.4	4.6	3.2	4.2	11	1.5	0.93	11	3.8	1.0
9	4.1	4.8	5.7	5.4	3.1	4.3	9.5	1.5	1.1	13	4.3	0.96
10	4.7	4.4	6.2	5.1	2.8	3.6	9.1	1.4	1.1	8.8	5.4	0.72
11	5.2	4.7	5.1	4.5	2.7	3.9	9.1	1.1	0.74	6.5	6.5	0.58
12	5.0	5.1	5.6	5.1	2.5	13	8.0	0.96	0.40	5.5	6.1	0.25
13	4.6	5.2	5.1	5.5	2.5	17	7.3	0.96	0.66	5.3	6.1	0.17
14	4.2	5.5	5.3	5.4	2.8	5.2	6.4	1.1	1.1	7.3	2.9	0.16
15	4.1	4.7	5.0	4.9	3.1	3.1	10	1.2	1.7	8.5	2.9	0.21
16	3.7	7.0	4.5	5.9	2.8	2.3	9.2	1.2	1.6	11	2.3	0.20
17	3.2	5.1	4.6	5.5	2.7	1.7	7.5	1.3	1.6	13	2.4	0.21
18	3.1	4.8	4.5	5.2	3.2	1.5	6.0	1.4	1.7	11	2.3	0.11
19	3.8	4.6	4.6	5.8	4.6	1.7	5.8	1.6	1.5	11	2.3	0.14
20	4.7	5.9	4.9	5.4	30	1.5	4.4	1.8	1.6	13	1.8	0.24
21	4.9	6.2	4.9	5.1	8.8	4.8	2.5	3.5	2.1	14	1.9	0.25
22	4.4	6.2	4.7	5.0	8.4	14	1.6	5.2	1.7	14	1.5	0.17
23	4.3	6.8	5.3	3.6	4.9	16	1.2	4.9	2.2	15	1.2	0.43
24	4.3	6.9	5.6	3.7	3.3	7.4	0.85	8.3	3.2	15	1.2	1.5
25	4.5	6.9	5.5	4.1	3.7	3.9	1.2	6.5	4.5	11	0.88	1.5
26	4.9	6.9	5.5	4.2	4.2	5.4	1.3	4.0	6.8	8.6	0.73	2.0
27	5.3	6.9	5.3	4.5	4.5	9.2	2.7	3.3	5.7	8.2	1.3	4.5
28	4.8	7.1	6.0	3.8	5.1	8.6	2.3	3.4	6.2	4.2	1.2	4.0
29	4.6	7.0	5.8	4.1	---	9.6	1.4	3.7	8.0	5.4	1.7	3.5
30	5.0	6.7	5.8	3.6	---	12	1.4	3.5	7.1	4.7	1.2	4.2
31	6.1	---	5.8	3.7	---	12	---	2.9	---	11	0.84	---
TOTAL	149.2	172.7	174.2	151.3	134.5	198.5	229.75	92.12	82.10	310.4	112.15	33.35
MEAN	4.813	5.757	5.619	4.881	4.804	6.403	7.658	2.972	2.737	10.01	3.618	1.112
MAX	7.5	7.1	7.0	5.9	30	17	18	8.3	8.0	15	11	4.5
MIN	3.1	4.4	4.5	3.6	2.5	1.5	0.85	0.96	0.40	4.2	0.73	0.11
AC-FT	296	343	346	300	267	394	456	183	163	616	222	66

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

MEAN	4.798	5.541	4.648	5.539	5.710	11.56	7.303	5.884	4.105	4.040	3.733	4.207
MAX	8.59	8.90	7.45	14.8	16.6	43.9	19.6	17.6	7.62	10.0	5.88	10.6
(WY)	2001	1998	2001	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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1990 - 2002	
ANNUAL TOTAL	2086.0		1840.27			
ANNUAL MEAN	5.715		5.042		5.724	
HIGHEST ANNUAL MEAN					9.54	1998
LOWEST ANNUAL MEAN					2.75	1992
HIGHEST DAILY MEAN	12	Apr 23	30	Feb 20	400	Mar 17 1993
LOWEST DAILY MEAN	3.1	Oct 18	0.11	Sep 18	0.11	Sep 18 2002
ANNUAL SEVEN-DAY MINIMUM	3.8	Oct 13	0.17	Sep 13	0.17	Sep 13 2002
MAXIMUM PEAK FLOW			53	Feb 20	530	Mar 17 1993
MAXIMUM PEAK STAGE			5.56	Oct 1	8.15	Mar 17 1993
ANNUAL RUNOFF (AC-FT)	4140		3650		4150	
10 PERCENT EXCEEDS	7.1		9.5		8.5	
50 PERCENT EXCEEDS	5.4		4.6		4.5	
90 PERCENT EXCEEDS	4.7		1.1		2.3	

HUMBOLDT RIVER BASIN

10322500 HUMBOLDT RIVER AT PALISADE, NV

LOCATION.--Lat 40°36'27", long 116°12'03", in SE $^1/_4$ SE $^1/_4$ sec.35, T.32 N., R.51 E., Eureka County, Hydrologic Unit 16040101, on right bank, 0.2 mi downstream from 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 mi^2.

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 NGVD 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 ft^3/s, May 18, 1984, gage height, 10.08 ft; minimum daily, 2.0 ft^3/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 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,280 ft^3/s, June 6, gage height, 4.46 ft; minimum daily, 21 ft^3/s, August 20-21.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	33	e39	66	e30	126	363	535	687	150	24	23
2	27	33	e48	66	e30	117	371	590	737	136	24	23
3	27	34	56	69	e30	119	384	684	843	125	24	22
4	26	34	54	e62	e30	118	408	853	1030	113	24	22
5	26	35	51	e56	e32	116	432	899	1170	97	24	22
6	26	35	53	e68	e35	118	434	871	1260	92	24	22
7	27	35	56	72	e42	125	431	816	1220	79	24	22
8	27	35	53	76	e47	139	424	669	1150	71	24	24
9	27	35	51	76	e46	139	434	610	1110	62	24	23
10	28	35	48	e72	e50	136	442	582	1090	62	24	23
11	29	35	e44	e64	e58	158	435	545	1060	59	24	23
12	29	36	e48	73	e64	155	421	527	1030	58	24	22
13	30	36	56	e65	e64	167	416	522	983	54	24	22
14	30	36	61	e60	e64	173	414	507	913	42	24	22
15	30	37	54	e60	e65	204	410	498	801	40	23	22
16	30	37	57	e54	e67	185	427	474	738	38	23	23
17	31	37	55	e50	e67	167	421	440	703	37	23	25
18	33	37	60	e48	e69	153	421	419	533	37	22	25
19	34	36	59	e42	e75	141	454	396	457	35	22	24
20	35	37	55	e48	e85	137	480	439	428	35	21	23
21	33	38	60	e64	e170	144	488	601	407	34	21	23
22	31	45	54	e48	144	182	476	657	382	34	22	23
23	31	45	59	e38	121	244	434	708	350	33	22	23
24	32	47	50	e38	130	266	390	861	343	32	22	23
25	33	47	e46	e42	128	247	347	946	277	28	22	24
26	33	44	e42	e55	121	253	330	947	219	27	22	23
27	33	40	e42	e55	122	270	347	842	195	26	23	24
28	34	37	60	e32	129	313	370	773	181	26	23	24
29	33	e35	57	e30	---	310	407	706	171	24	23	25
30	33	e37	58	e26	---	350	486	691	162	24	23	25
31	34	---	62	e30	---	368	---	694	---	25	23	---
TOTAL	937	1123	1648	1705	2115	5840	12497	20302	20630	1735	716	694
MEAN	30.23	37.43	53.16	55.00	75.54	188.4	416.6	654.9	687.7	55.97	23.10	23.13
MAX	35	47	62	76	170	368	488	947	1260	150	24	25
MIN	25	33	39	26	30	116	330	396	162	24	21	22
MED	30	36	54	56	64	158	421	657	720	38	23	23
AC-FT	1860	2230	3270	3380	4200	11580	24790	40270	40920	3440	1420	1380

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2002, BY WATER YEAR (WY)

MEAN	59.06	88.47	106.0	145.8	284.4	585.8	850.4	1009	1190	343.6	60.55	36.90
MAX	369	411	720	616	1779	2949	4222	5719	4635	1960	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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1903 - 2002	
ANNUAL TOTAL	41967		69942			
ANNUAL MEAN	115.0		191.6		395.9	
HIGHEST ANNUAL MEAN					1846	1984
LOWEST ANNUAL MEAN					34.8	1934
HIGHEST DAILY MEAN	757	May 20	1260	Jun 6	7820	May 18 1984
LOWEST DAILY MEAN	17	Aug 22	21	Aug 20	2.0	Aug 25 1931
ANNUAL SEVEN-DAY MINIMUM	19	Sep 7	22	Aug 18	2.4	Aug 22 1931
MAXIMUM PEAK FLOW			1280	Jun 6	7870	May 18 1984
MAXIMUM PEAK STAGE			4.46	Jun 6	10.08	May 18 1984
ANNUAL RUNOFF (AC-FT)	83240		138700		286800	
10 PERCENT EXCEEDS	285		585		1170	
50 PERCENT EXCEEDS	50		55		121	
90 PERCENT EXCEEDS	24		23		24	

e Estimated

10323425 HUMBOLDT RIVER AT OLD U.S. HIGHWAY 40 BRIDGE AT DUNPHY, NV

LOCATION.--Lat 40°42'20", long 116°31'48", in SE $^1/_4$ SE $^1/_4$ 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.--7,388 mi^2.

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 NGVD 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 ft^3/s, June 9, 1995, gage height, 8.57 ft; minimum daily, 1.6 ft^3/s, August 13, 1992.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood February 12, 1962, maximum discharge 7,620 ft^3/s, computed by slope-area and culvert computations of peak flow.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,130 ft^3/s, June 6, gage height, 5.29 ft; minimum daily, 6.7 ft^3/s, October 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	15	26	59	e46	123	369	445	636	173	20	10
2	10	16	25	62	e50	112	346	467	652	159	20	10
3	6.7	15	35	62	e55	108	355	522	710	142	19	10
4	9.3	15	32	61	e55	111	357	616	811	131	18	11
5	9.7	16	31	60	e61	111	367	737	968	121	17	10
6	9.8	17	32	61	e60	113	365	748	1070	109	17	11
7	9.8	17	30	64	66	108	368	726	1090	100	16	11
8	9.6	17	34	63	71	113	366	673	1040	91	16	12
9	9.8	17	36	65	60	125	358	577	1000	93	16	12
10	9.9	17	32	64	54	127	374	539	999	83	15	12
11	11	18	30	63	61	128	368	514	980	77	15	11
12	11	19	28	64	65	149	354	485	947	76	14	11
13	11	20	32	61	52	148	341	475	915	73	14	11
14	12	21	41	59	71	158	338	467	867	67	13	11
15	12	21	37	64	57	173	333	459	802	57	13	10
16	12	15	43	63	62	199	341	446	719	53	13	11
17	12	15	35	62	71	149	349	412	683	49	12	11
18	12	17	34	60	68	136	347	391	625	47	12	12
19	12	21	45	54	69	125	363	374	492	45	11	12
20	13	18	45	60	90	116	388	356	439	43	11	12
21	13	18	41	68	175	116	406	440	422	40	11	11
22	14	21	38	65	230	129	411	556	405	37	11	11
23	14	29	38	54	210	168	394	599	380	35	12	11
24	13	31	32	e49	196	243	359	667	351	33	12	11
25	13	38	e24	50	176	257	325	794	340	30	12	11
26	14	38	e20	56	155	249	296	836	288	27	11	12
27	15	35	e24	64	135	256	291	813	241	25	11	12
28	15	30	26	e60	131	278	312	734	204	23	11	12
29	15	18	45	e54	---	309	321	681	194	22	11	12
30	15	23	45	e48	---	320	375	638	186	21	11	12
31	16	---	58	e46	---	360	---	632	---	20	10	---
TOTAL	371.6	628	1074	1845	2652	5317	10637	17819	19456	2102	425	336
MEAN	11.99	20.93	34.65	59.52	94.71	171.5	354.6	574.8	648.5	67.81	13.71	11.20
MAX	16	38	58	68	230	360	411	836	1090	173	20	12
MIN	6.7	15	20	46	46	108	291	356	186	20	10	10
AC-FT	737	1250	2130	3660	5260	10550	21100	35340	38590	4170	843	666

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2002, BY WATER YEAR (WY)

MEAN	42.12	76.83	100.5	176.9	253.5	560.5	632.6	881.7	1135	359.8	59.95	23.94
MAX	137	210	253	667	564	1433	1369	1939	2581	1300	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	161	148	159	37.5	7.87	2.93	2.49
(WY)	1992	2002	1993	1993	1993	1994	1991	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1991 - 2002	
ANNUAL TOTAL	38784.8		62662.6			
ANNUAL MEAN	106.3		171.7		375.8	
HIGHEST ANNUAL MEAN					728	1997
LOWEST ANNUAL MEAN					79.8	1992
HIGHEST DAILY MEAN	663	May 21	1090	Jun 7	5040	Jun 9 1995
LOWEST DAILY MEAN	6.7	Oct 3	6.7	Oct 3	1.6	Aug 13 1992
ANNUAL SEVEN-DAY MINIMUM	9.1	Sep 8	9.2	Oct 3	2.1	Sep 18 1992
MAXIMUM PEAK FLOW			1130	Jun 6	5140	Jun 9 1995
MAXIMUM PEAK STAGE			5.29	Jun 6	8.57	Jun 9 1995
ANNUAL RUNOFF (AC-FT)	76930		124300		272200	
10 PERCENT EXCEEDS	299		517		1200	
50 PERCENT EXCEEDS	38		57		122	
90 PERCENT EXCEEDS	11		11		14	

e Estimated

HUMBOLDT RIVER BASIN

10324500 ROCK CREEK NEAR BATTLE MOUNTAIN, NV

LOCATION.--Lat 40°49'30", long 116°35'00", in SW $^1/_4$ NE $^1/_4$ 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.--864 mi^2.

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 NGVD 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 ft^3/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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge at 75 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 21	0400	*366	*3.75	Mar 23	2330	139	3.10

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	3.2	e8.5	7.7	e4.6	29	89	30	13	1.2	0.00	0.45
2	1.7	3.2	e9.4	7.3	e4.5	25	87	43	13	1.1	0.00	0.47
3	1.7	3.4	e8.8	e7.2	e4.2	22	92	53	11	0.79	0.00	0.47
4	1.6	3.3	e8.2	e7.0	e2.7	21	89	46	13	0.69	0.00	0.42
5	1.7	3.2	e9.1	e6.8	e2.1	20	88	30	11	0.59	0.00	0.43
6	1.8	3.2	e7.9	e7.4	1.4	20	81	27	13	0.46	0.00	0.46
7	1.8	3.1	e7.7	e7.5	1.2	23	66	26	12	0.43	0.00	0.56
8	2.0	3.1	e7.2	e7.3	e2.0	46	60	26	7.6	0.35	0.00	0.57
9	2.1	3.1	e6.5	e7.0	e2.3	39	54	27	5.7	0.28	0.00	0.66
10	2.0	3.1	e5.1	e6.5	e2.7	31	53	28	5.6	0.20	0.00	0.82
11	2.0	3.3	e6.0	e6.0	3.0	36	52	27	5.3	0.14	0.00	0.93
12	2.3	3.4	e5.6	e5.8	e4.0	31	45	26	4.9	0.10	0.00	0.89
13	2.3	3.7	e5.1	e6.1	e4.4	46	39	24	4.7	0.06	0.00	0.91
14	2.5	3.7	e5.6	e6.0	e4.4	80	34	20	4.7	0.04	0.00	0.86
15	2.5	3.7	e7.0	e6.3	e5.2	49	34	18	3.9	0.03	0.00	0.86
16	2.5	3.7	e7.2	e6.2	8.1	34	31	16	3.3	0.05	0.00	1.0
17	2.5	3.6	e7.6	e6.0	8.1	33	36	13	2.7	0.03	0.00	1.2
18	2.5	4.3	e7.0	e5.8	8.8	27	44	14	2.0	0.03	0.00	1.3
19	2.5	12	6.9	e5.5	17	25	47	13	1.6	0.04	0.00	1.4
20	2.5	14	6.3	e5.5	44	27	49	12	1.4	0.04	0.00	1.5
21	2.5	15	5.5	e5.7	166	25	47	14	1.4	0.03	0.00	1.5
22	2.5	19	5.1	e5.0	110	59	45	11	1.3	0.02	0.00	1.4
23	2.5	20	e5.0	e4.2	96	112	43	14	1.2	0.0	0.00	1.3
24	2.5	18	e4.0	e4.4	74	93	40	14	0.92	0.00	0.00	1.3
25	2.5	17	e4.4	e5.0	66	77	31	18	0.75	0.00	0.00	1.2
26	2.5	18	e4.2	e4.8	50	80	33	26	0.59	0.00	0.18	1.2
27	2.6	e13	e4.0	e3.5	39	69	26	25	0.47	0.00	0.32	1.2
28	2.7	e13	e4.0	e2.7	33	80	23	22	0.39	0.00	0.41	1.3
29	2.8	e10	e4.6	e2.3	---	92	24	18	1.2	0.00	0.46	1.4
30	2.9	e9.5	5.7	e2.5	---	94	25	16	1.5	0.00	0.46	1.6
31	3.5	---	7.0	e3.8	---	99	---	14	---	0.00	0.42	---
TOTAL	71.7	239.8	196.2	174.8	768.7	1544	1507	711	149.12	6.70	2.25	29.56
MEAN	2.313	7.993	6.329	5.639	27.45	49.81	50.23	22.94	4.971	0.216	0.073	0.985
MAX	3.5	20	9.4	7.7	166	112	92	53	13	1.2	0.46	1.6
MIN	1.6	3.1	4.0	2.3	1.2	20	23	11	0.39	0.00	0.00	0.42
AC-FT	142	476	389	347	1520	3060	2990	1410	296	13	4.5	59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2002, BY WATER YEAR (WY)

MEAN	3.278	4.423	8.323	19.72	53.14	107.4	142.4	92.84	30.52	4.096	1.303	2.064
MAX	48.1	19.5	104	269	385	630	1178	725	174	35.6	15.5	24.6
(WY)	1998	1997	1984	1997	1986	1984	1952	1984	1998	1984	1984	1997
MIN	0.077	0.77	0.50	0.30	1.00	2.93	1.10	0.85	0.15	0.000	0.000	0.000
(WY)	1956	1962	1949	1949	1922	1963	1968	1992	1961	1919	1919	1919

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1918 - 2002	
ANNUAL TOTAL	3201.92		5400.83			
ANNUAL MEAN	8.772		14.80		39.59	
HIGHEST ANNUAL MEAN					235	1984
LOWEST ANNUAL MEAN					2.27	1994
HIGHEST DAILY MEAN	85	Mar 10	166	Feb 21	3510	Feb 10 1962
LOWEST DAILY MEAN	0.00	Aug 2	0.00	Jul 23	0.00	Jul 6 1918
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 2	0.00	Jul 23	0.00	Jul 14 1918
MAXIMUM PEAK FLOW			366	Feb 21	4800	Feb 11 1962
MAXIMUM PEAK STAGE			3.75	Feb 21	6.91	Jan 3 1997
ANNUAL RUNOFF (AC-FT)	6350		10710		28680	
10 PERCENT EXCEEDS	25		45		100	
50 PERCENT EXCEEDS	3.5		4.6		4.4	
90 PERCENT EXCEEDS	0.09		0.03		0.04	

e Estimated

HUMBOLDT RIVER BASIN

10324700 BOULDER CREEK NEAR DUNPHY, NV

LOCATION.--Lat 40°57'04", long 116°26'39", in NE $^1/_4$ SE $^1/_4$ 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 mi^2.

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 NGVD of 1929, from topographic map.

REMARKS.--Records fair. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 440 ft^3/s, January 2, 1997, gage height, 4.40 ft; no flow many days, most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during January to June, 40 ft^3/s, February 22, gage height, 2.62 ft; no flow many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	0.00	e0.00	6.3	3.1	9.2	0.40	---	---	---
2	---	---	---	0.00	e0.00	6.7	14	8.8	2.7	---	---	---
3	---	---	---	2.4	e0.00	5.2	16	8.5	1.4	---	---	---
4	---	---	---	2.5	e0.00	4.1	16	7.8	0.00	---	---	---
5	---	---	---	2.2	e0.00	3.6	16	8.0	0.00	---	---	---
6	---	---	---	3.9	e0.00	4.0	17	8.3	0.00	---	---	---
7	---	---	---	12	e0.00	5.2	16	9.0	0.00	---	---	---
8	---	---	---	15	e0.00	4.7	14	8.8	0.00	---	---	---
9	---	---	---	13	e0.00	4.4	14	8.4	0.00	---	---	---
10	---	---	---	8.6	e0.00	3.9	13	8.0	0.00	---	---	---
11	---	---	---	7.5	e0.00	3.5	11	7.7	0.00	---	---	---
12	---	---	---	5.8	e0.00	4.2	10	6.5	0.00	---	---	---
13	---	---	---	4.3	e0.00	5.8	10	5.8	0.00	---	---	---
14	---	---	---	3.4	e0.05	4.5	11	5.3	0.00	---	---	---
15	---	---	---	e1.0	e0.10	4.5	12	5.1	0.00	---	---	---
16	---	---	---	e0.36	e0.20	4.1	12	5.2	0.00	---	---	---
17	---	---	---	0.06	e0.40	2.4	12	4.8	0.00	---	---	---
18	---	---	---	e0.02	e0.90	4.1	10	4.2	0.00	---	---	---
19	---	---	---	e0.00	e1.6	3.1	9.2	3.8	0.00	---	---	---
20	---	---	---	e0.00	e2.5	3.2	7.4	3.8	0.00	---	---	---
21	---	---	---	e0.00	6.4	3.7	5.9	5.2	0.00	---	---	---
22	---	---	---	e0.00	18	5.5	5.0	4.5	0.00	---	---	---
23	---	---	---	e0.00	15	6.6	4.4	3.9	0.00	---	---	---
24	---	---	---	e0.00	12	6.9	4.1	3.1	0.00	---	---	---
25	---	---	---	e0.00	9.8	8.0	3.9	2.5	0.00	---	---	---
26	---	---	---	e0.00	9.3	6.6	4.3	2.2	0.00	---	---	---
27	---	---	---	e0.00	8.5	6.2	5.0	1.9	0.00	---	---	---
28	---	---	---	e0.00	7.2	7.1	4.8	1.7	0.00	---	---	---
29	---	---	---	e0.00	---	7.5	5.0	1.2	0.00	---	---	---
30	---	---	---	e0.00	---	8.8	6.3	0.18	0.00	---	---	---
31	---	---	---	e0.00	---	6.1	---	0.00	---	---	---	---
TOTAL	---	---	---	82.04	91.95	160.5	292.4	163.38	4.50	---	---	---
MEAN	---	---	---	2.646	3.284	5.177	9.747	5.270	0.150	---	---	---
MAX	---	---	---	15	18	8.8	17	9.2	2.7	---	---	---
MIN	---	---	---	0.00	0.00	2.4	3.1	0.00	0.00	---	---	---
AC-FT	---	---	---	163	182	318	580	324	8.9	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2002, BY WATER YEAR (WY)

MEAN	0.000	0.000	0.000	4.019	6.183	12.52	11.60	14.55	1.501	0.000	0.000	0.007
MAX	0.000	0.000	0.000	38.5	44.8	57.6	40.2	80.7	14.4	0.000	0.000	0.014
(WY)	1992	1992	1992	1997	1996	1993	1998	1998	1998	1991	1991	1991
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
(WY)	1992	1992	1992	1992	1991	1991	1991	1992	1992	1991	1991	1992

SUMMARY STATISTICS	WATER YEARS 1991 - 2002		
ANNUAL MEAN	0.085		
HIGHEST ANNUAL MEAN	0.085		1992
LOWEST ANNUAL MEAN	0.085		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		

e Estimated

10325000 HUMBOLDT RIVER AT BATTLE MOUNTAIN, NV

LOCATION.--Lat 40°40'04", long 116°55'49", in NE $^1/_4$ NW $^1/_4$ sec.8, 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 miles below station.

DRAINAGE AREA.--8,860 mi^2.

PERIOD OF RECORD.--May 1896 to December 1897, March 1921 to April 1924, October 1945 to September 1981, February 1991 to current year.

REVISED RECORD.--WSP 1564: 1897-98, 1923; WDR NV-99-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4489.04 ft above NGVD 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 ft^3/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, 904 ft^3/s, June 7-9, gage height, 6.74 ft; no flow many days, October, August and September.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	9.8	40	e24	e26	158	327	267	577	184	8.0	0.00
2	0.00	10	37	e26	e33	152	329	303	585	169	8.0	0.00
3	0.00	12	30	e32	e31	142	321	335	594	155	7.9	0.00
4	0.00	12	31	e38	e28	134	329	375	644	140	7.2	0.00
5	0.00	11	31	e39	e29	134	317	502	735	131	6.4	0.00
6	0.00	11	33	e38	e32	130	337	563	821	119	5.9	0.00
7	0.00	12	32	e37	e38	133	338	563	886	108	5.8	0.00
8	0.00	12	31	e37	e45	129	339	558	901	99	5.3	0.00
9	0.00	12	e30	e37	e41	134	339	627	887	91	5.2	0.00
10	0.00	13	e27	e35	e43	140	338	538	888	88	5.0	0.00
11	0.00	14	e29	e34	e49	139	345	531	893	76	4.9	0.00
12	0.00	14	e31	e34	e56	142	338	475	887	70	4.5	0.00
13	0.00	17	e28	e34	e56	160	325	456	871	65	4.2	0.00
14	0.48	16	e30	e32	56	163	310	449	849	60	3.7	0.00
15	1.2	17	e32	e28	63	165	310	437	805	54	3.2	0.00
16	1.7	19	e24	e25	58	183	301	427	743	47	3.0	0.00
17	2.4	18	e26	e22	59	195	314	411	688	42	2.4	0.00
18	2.2	14	e25	e16	63	169	316	384	654	38	2.1	0.00
19	2.5	15	e28	e20	61	153	317	365	564	35	1.9	0.00
20	3.0	16	e30	e20	72	140	327	346	488	32	1.3	0.00
21	3.4	20	e32	e21	80	132	343	351	446	28	0.92	0.00
22	3.9	20	e30	e28	148	129	352	442	425	25	0.68	0.00
23	5.4	21	e28	e31	186	140	318	506	402	22	0.51	0.00
24	6.4	23	e26	e32	182	170	232	539	368	20	0.31	0.00
25	6.3	28	e27	e36	183	221	242	613	339	18	0.17	0.00
26	6.6	32	e25	e46	179	236	242	686	319	17	0.05	0.00
27	6.7	36	e24	e45	168	240	232	708	273	16	0.00	0.00
28	7.5	e33	e24	e40	160	251	229	681	237	14	0.00	0.00
29	7.9	e31	e23	e35	---	274	236	635	206	13	0.00	0.00
30	8.4	e35	e23	e31	---	283	244	597	194	11	0.00	0.00
31	10	---	e25	e27	---	302	---	579	---	9.2	0.00	---
TOTAL	85.98	553.8	892	980	2225	5373	9187	15249	18169	1996.2	98.54	0.00
MEAN	2.774	18.46	28.77	31.61	79.46	173.3	306.2	491.9	605.6	64.39	3.179	0.000
MAX	10	36	40	46	186	302	352	708	901	184	8.0	0.00
MIN	0.00	9.8	23	16	26	129	229	267	194	9.2	0.00	0.00
AC-FT	171	1100	1770	1940	4410	10660	18220	30250	36040	3960	195	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 2002, BY WATER YEAR (WY)

MEAN	31.61	71.93	107.3	182.4	283.6	512.2	750.9	894.2	1093	356.5	48.28	16.92
MAX	194	291	334	1123	999	1693	3060	3718	3496	1418	243	120
(WY)	1999	1999	1999	1997	1962	1997	1952	1952	1980	1995	1975	1965
MIN	0.000	0.21	3.67	9.58	22.7	102	96.9	50.7	20.7	2.36	0.000	0.000
(WY)	1993	1955	1955	1955	1955	1961	1959	1959	1992	1992	1992	1981

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1897 - 2002		
ANNUAL TOTAL	33196.74		54809.52				
ANNUAL MEAN	90.95		150.2		361.7		
HIGHEST ANNUAL MEAN					889		1971
LOWEST ANNUAL MEAN					54.5		1955
HIGHEST DAILY MEAN	664	May 22	901	Jun 8	5800	May 3	1952
LOWEST DAILY MEAN	0.00	Aug 22	0.00	Oct 1	0.00	Sep 8	1948
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 22	0.00	Oct 1	0.00	Sep 8	1948
MAXIMUM PEAK FLOW			904	Jun 7	5800	May 3	1952
MAXIMUM PEAK STAGE			6.74	Jun 7	10.62	Jun 12	1995
ANNUAL RUNOFF (AC-FT)	65850		108700		262100		
10 PERCENT EXCEEDS	236		480		1060		
50 PERCENT EXCEEDS	33		33		121		
90 PERCENT EXCEEDS	0.00		0.00		4.1		

e Estimated

10327500 HUMBOLDT RIVER AT COMUS, NV

LOCATION.--Lat 40°59'32", long 117°19'00", in SE $^1/_4$ SE $^1/_4$ 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.--12,217 mi^2, 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 NGVD 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 datum, October 1, 1945 to December 11, 1997 at 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 good except for estimated daily discharges, which are poor. 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 ft^3/s, April 24, 1984, gage height, 12.25 ft; no flow at times some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 907 ft^3/s, June 11, gage height, 6.28 ft; minimum daily, 1.2 ft^3/s, October 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	3.9	37	24	41	144	261	255	547	272	34	24
2	15	1.9	39	34	45	143	276	267	542	241	47	24
3	13	1.3	38	51	37	141	289	279	545	217	52	25
4	17	8.1	36	42	33	138	295	301	541	200	53	26
5	17	16	36	63	36	131	305	327	548	188	52	31
6	16	16	30	82	39	143	324	360	494	177	53	31
7	8.1	15	22	74	46	147	318	385	546	166	65	30
8	3.5	19	14	47	56	137	322	387	585	158	68	31
9	2.2	21	27	34	51	136	320	396	606	150	58	31
10	1.6	23	29	30	55	133	327	422	616	140	36	31
11	1.4	33	32	27	65	137	325	500	720	135	41	21
12	1.3	28	24	30	69	155	324	499	715	128	40	18
13	1.2	23	9.2	29	77	178	337	470	708	119	42	21
14	1.3	27	6.2	23	79	187	324	446	700	115	38	20
15	1.3	29	4.6	18	77	199	316	444	688	105	41	21
16	1.4	33	3.2	18	87	204	313	440	674	98	41	19
17	1.4	35	2.9	17	89	203	322	445	648	95	42	28
18	1.4	34	2.3	21	87	217	321	417	616	90	41	21
19	1.6	35	1.7	21	84	216	329	393	597	86	43	29
20	10	34	1.6	21	98	194	342	381	574	52	41	29
21	12	38	1.5	27	89	180	333	367	531	32	45	25
22	11	41	2.3	38	87	170	341	347	495	21	49	21
23	11	35	e7.0	36	97	165	348	333	470	15	49	20
24	16	36	e13	38	136	167	346	347	441	11	49	19
25	18	38	20	47	143	173	259	356	403	9.0	45	23
26	27	34	22	57	147	199	257	367	377	30	44	25
27	32	33	24	58	151	236	256	393	354	32	40	27
28	30	33	28	52	149	229	247	412	347	34	32	28
29	24	38	28	43	---	233	241	455	324	30	29	30
30	22	39	28	40	---	243	246	535	294	29	21	14
31	16	---	29	34	---	254	---	550	---	35	24	---
TOTAL	346.7	801.2	598.5	1176	2250	5532	9164	12276	16246	3210.0	1355	743
MEAN	11.18	26.71	19.31	37.94	80.36	178.5	305.5	396.0	541.5	103.5	43.71	24.77
MAX	32	41	39	82	151	254	348	550	720	272	68	31
MIN	1.2	1.3	1.5	17	33	131	241	255	294	9.0	21	14
AC-FT	688	1590	1190	2330	4460	10970	18180	24350	32220	6370	2690	1470

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1895 - 2002, BY WATER YEAR (WY)

MEAN	33.10	64.46	98.17	143.0	257.5	528.6	744.6	761.2	879.5	418.6	74.30	21.64
MAX	259	386	791	762	873	3267	5312	6227	4630	1930	636	190
(WY)	1985	1984	1984	1984	1984	1983	1984	1984	1984	1984	1984	1984
MIN	0.045	0.10	0.090	0.10	0.16	25.0	57.8	9.79	3.33	0.079	0.084	0.000
(WY)	1954	1955	1961	1955	1955	1896	1920	1918	1918	1992	1954	1920

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1895 - 2002	
ANNUAL TOTAL	29821.75		53698.4			
ANNUAL MEAN	81.70		147.1		335.0	
HIGHEST ANNUAL MEAN					2022	1984
LOWEST ANNUAL MEAN					36.8	1920
HIGHEST DAILY MEAN	391	May 26	720	Jun 11	9640	Apr 25 1984
LOWEST DAILY MEAN	0.35	Sep 17	1.2	Oct 13	0.00	Sep 16 1905
ANNUAL SEVEN-DAY MINIMUM	0.38	Sep 15	1.3	Oct 11	0.00	Jan 1 1906
MAXIMUM PEAK FLOW			907	Jun 11	9900	Apr 24 1984
MAXIMUM PEAK STAGE			6.28	Jun 11	12.25	Apr 24 1984
ANNUAL RUNOFF (AC-FT)	59150		106500		242700	
10 PERCENT EXCEEDS	223		414		922	
50 PERCENT EXCEEDS	36		47		116	
90 PERCENT EXCEEDS	2.3		13		0.80	

e Estimated

10329000 LITTLE HUMBOLDT RIVER NEAR PARADISE VALLEY, NV

LOCATION.--Lat 41°24'55", long 117°22'22", in NW $^1/_4$ SE $^1/_4$ 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 mi^2, approximately.

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.--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 ft^3/s, January 21, 1969, gage height, 8.40 ft; maximum discharge after dam completed, 678 ft^3/s, May 15, 1984, gage height, 6.46 ft; minimum daily before dam, 4.0 ft^3/s, January 7, 1970; minimum daily after dam, 4.1 ft^3/s, July 30, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 82 ft^3/s, April 25, gage height, 4.46 ft; minimum daily, 6.7 ft^3/s, August 30 and September 1-8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.3	7.6	7.6	7.8	7.7	7.8	29	67	38	7.7	6.9	6.7
2	8.4	7.6	7.7	7.8	7.8	7.8	37	65	38	7.5	6.9	6.7
3	8.6	7.5	7.7	7.9	7.8	7.9	39	61	38	7.6	6.9	6.7
4	8.5	7.5	7.5	7.8	7.8	7.9	39	60	38	7.5	6.9	6.7
5	8.4	7.5	7.6	7.8	7.9	7.9	40	59	38	7.5	6.9	6.7
6	8.4	7.4	8.0	7.9	7.8	7.9	40	57	38	7.5	6.8	6.7
7	8.4	7.4	7.9	8.0	7.7	8.0	40	45	38	7.5	6.9	6.7
8	8.3	7.4	7.7	7.8	7.8	7.9	40	44	38	7.3	6.8	6.7
9	8.2	7.3	7.7	7.8	7.6	7.9	41	52	38	7.3	6.9	6.8
10	8.0	7.3	7.6	7.7	7.6	7.9	41	54	38	7.3	6.8	6.8
11	8.0	7.2	7.6	7.7	7.6	7.9	42	54	31	7.3	6.9	6.8
12	8.1	7.2	7.6	7.6	7.5	7.9	40	53	31	7.3	6.8	6.8
13	8.0	7.2	7.7	7.6	7.5	8.1	40	53	31	7.3	6.8	6.8
14	8.1	7.2	8.2	7.6	7.6	8.1	41	51	19	7.3	6.8	6.8
15	8.1	7.1	7.8	7.6	7.5	8.0	40	39	13	7.2	6.8	6.8
16	8.1	7.1	7.7	7.6	7.6	8.0	36	38	13	7.2	6.8	6.9
17	8.1	7.2	7.7	7.6	7.7	8.0	36	38	13	7.2	6.8	6.9
18	8.1	7.2	7.7	7.6	7.6	8.1	39	38	12	7.2	6.8	6.9
19	8.1	7.2	7.7	7.6	7.7	8.1	32	38	9.4	7.3	6.8	6.8
20	8.0	7.2	7.8	7.7	7.7	8.1	38	38	8.2	7.1	6.8	6.8
21	8.0	7.3	7.7	7.8	7.7	8.1	40	38	8.1	7.1	6.8	6.8
22	7.9	7.5	7.7	7.8	7.8	8.1	49	38	8.0	6.9	6.8	6.8
23	8.0	7.3	7.7	7.8	7.8	8.8	54	38	8.0	6.9	6.8	6.9
24	7.9	7.4	7.7	7.7	7.7	8.2	56	38	7.9	7.0	6.8	6.8
25	7.9	7.4	7.7	7.8	7.7	8.1	59	38	7.8	6.9	6.8	6.9
26	7.9	7.4	7.7	7.8	7.8	8.1	68	38	7.7	6.9	6.8	6.9
27	7.8	7.3	7.7	7.9	7.8	8.1	66	38	7.7	7.0	6.8	6.9
28	7.9	7.4	7.7	7.8	7.8	23	66	38	7.7	6.9	6.8	6.9
29	7.8	7.5	7.7	7.8	---	27	67	38	7.7	7.0	6.8	6.9
30	7.7	7.4	7.7	7.8	---	28	67	38	7.7	6.9	6.7	7.0
31	7.7	---	7.9	7.7	---	28	---	38	---	6.9	6.8	---
TOTAL	250.7	220.2	239.4	240.2	215.6	322.7	1362	1422	638.9	223.5	211.5	204.3
MEAN	8.087	7.340	7.723	7.748	7.700	10.41	45.40	45.87	21.30	7.210	6.823	6.810
MAX	8.6	7.6	8.2	8.0	7.9	28	68	67	38	7.7	6.9	7.0
MIN	7.7	7.1	7.5	7.6	7.5	7.8	29	38	7.7	6.9	6.7	6.7
AC-FT	497	437	475	476	428	640	2700	2820	1270	443	420	405

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2002, BY WATER YEAR (WY)

MEAN	8.993	9.322	9.434	9.308	10.96	12.90	37.40	64.13	49.57	25.01	17.89	12.33
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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1975 - 2002	
ANNUAL TOTAL	5228.4		5551.0			
ANNUAL MEAN	14.32		15.21		22.30	
HIGHEST ANNUAL MEAN					80.2	1984
LOWEST ANNUAL MEAN					7.76	1992
HIGHEST DAILY MEAN	66	Apr 24	68	Apr 26	656	May 17 1984
LOWEST DAILY MEAN	7.0	Jan 5	6.7	Aug 30	4.1	Jul 30 1992
ANNUAL SEVEN-DAY MINIMUM	7.1	Jan 15	6.7	Sep 1	4.5	Jul 28 1992
MAXIMUM PEAK FLOW			82	Apr 25	678	May 15 1984
MAXIMUM PEAK STAGE			4.46	Apr 25	6.46	May 15 1984
ANNUAL RUNOFF (AC-FT)	10370		11010		16160	
10 PERCENT EXCEEDS	38		39		50	
50 PERCENT EXCEEDS	7.9		7.7		9.2	
90 PERCENT EXCEEDS	7.3		6.8		7.0	

10329000 LITTLE HUMBOLDT RIVER NR PARADISE VALLEY

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	1954
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

10329500 MARTIN CREEK NEAR PARADISE VALLEY, NV

LOCATION.--Lat 41°32'05", long 117°25'01", in SE $^1/_4$ NW $^1/_4$, 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 mi^2.

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 NGVD 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 except for estimated daily discharges, which are poor . No diversions above station. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,000 ft^3/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 ft^3/s, September 1, 1928.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 20	1530	268	2.33	March 6	1945	*329	*2.56
April 15	0215	255	2.28				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	7.9	14	9.0	8.2	18	134	76	75	12	5.6	5.9
2	6.8	7.9	14	9.4	8.2	18	149	73	71	12	5.6	5.9
3	6.9	7.8	13	10	7.9	15	148	80	61	12	5.4	5.9
4	6.9	7.9	13	9.5	8.1	16	156	87	54	11	5.3	5.8
5	6.9	7.7	e12	9.5	8.1	19	167	91	50	10	5.5	5.9
6	6.9	7.7	e14	9.8	8.7	97	171	93	47	10	5.7	5.9
7	6.9	7.8	13	14	9.3	76	159	102	46	9.5	5.7	6.7
8	6.9	8.0	11	21	8.6	32	143	88	43	8.5	5.7	6.7
9	6.9	8.3	11	20	8.8	25	141	82	40	8.1	5.7	6.4
10	6.9	8.4	11	16	8.8	25	127	77	40	8.0	5.7	6.0
11	6.9	8.2	9.9	14	9.7	24	116	69	38	7.5	5.6	5.9
12	6.9	8.4	9.7	14	9.3	84	118	64	34	6.6	5.3	5.9
13	6.9	8.2	10	11	9.2	57	130	67	33	6.1	5.2	5.9
14	6.9	7.8	13	11	9.1	32	159	74	31	5.9	5.2	5.9
15	6.9	7.6	11	11	9.3	24	210	81	29	6.1	5.2	5.9
16	6.9	7.6	10	10	9.3	22	135	83	28	5.9	5.2	6.5
17	6.9	7.9	11	11	12	20	113	85	26	5.9	5.2	7.3
18	7.0	7.9	11	10	11	17	94	90	26	6.0	5.2	7.7
19	7.1	8.0	11	9.6	11	19	80	97	24	6.9	5.3	7.0
20	7.1	8.0	11	9.6	72	21	70	106	23	7.1	5.3	6.9
21	7.3	8.6	9.8	11	48	51	63	94	25	6.5	5.7	6.6
22	7.3	10	9.5	8.6	58	63	61	78	30	5.9	5.9	6.4
23	7.3	9.0	9.6	8.4	56	66	64	67	26	5.9	5.9	6.4
24	7.5	9.0	8.4	8.9	47	61	69	60	22	5.9	5.9	6.3
25	7.6	10	e8.2	10	38	51	74	55	19	5.7	5.9	6.3
26	7.6	10	e8.6	11	28	51	86	55	19	5.6	5.9	6.5
27	7.6	9.9	e10	9.0	24	68	89	58	17	5.6	5.9	6.9
28	7.6	9.3	9.9	8.5	25	81	80	63	16	5.6	5.9	6.9
29	7.6	14	9.7	7.6	---	98	78	70	15	5.6	5.9	7.2
30	7.6	14	9.6	7.8	---	112	80	74	13	5.6	5.9	7.6
31	7.7	---	9.8	8.1	---	122	---	76	---	5.5	5.9	---
TOTAL	221.0	262.8	336.7	338.3	570.6	1485	3464	2415	1021	228.5	173.3	193.1
MEAN	7.129	8.760	10.86	10.91	20.38	47.90	115.5	77.90	34.03	7.371	5.590	6.437
MAX	7.7	14	14	21	72	122	210	106	75	12	5.9	7.7
MIN	6.8	7.6	8.2	7.6	7.9	15	61	55	13	5.5	5.2	5.8
MED	6.9	8.1	11	10	9.3	32	117	77	30	6.1	5.7	6.4
AC-FT	438	521	668	671	1130	2950	6870	4790	2030	453	344	383

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2002, BY WATER YEAR (WY)

MEAN	7.771	9.550	12.07	19.81	31.59	55.60	88.85	111.1	55.62	11.94	5.919	6.161
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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1922 - 2002	
ANNUAL TOTAL	4726.2		10709.3			
ANNUAL MEAN	12.95		29.34		34.63	
HIGHEST ANNUAL MEAN					108	1984
LOWEST ANNUAL MEAN					8.18	1931
HIGHEST DAILY MEAN	57	Apr 28	210	Apr 15	2500	Jan 21 1943
LOWEST DAILY MEAN	4.3	Aug 29	5.2	Aug 13	2.0	Sep 1 1928
ANNUAL SEVEN-DAY MINIMUM	4.5	Aug 28	5.2	Aug 12	2.0	Sep 1 1928
MAXIMUM PEAK FLOW			329	Mar 6	9000	Jan 21 1943
MAXIMUM PEAK STAGE			2.56	Mar 6	11.10	Jan 21 1943
ANNUAL RUNOFF (AC-FT)	9370		21240		25080	
10 PERCENT EXCEEDS	36		82		97	
50 PERCENT EXCEEDS	7.5		9.9		10	
90 PERCENT EXCEEDS	5.4		5.9		5.6	

e Estimated

10333000 HUMBOLDT RIVER NEAR IMLAY, NV

LOCATION.--Lat 40°41'33", long 118°12'12", in NW$^1/_4$ SE$^1/_4$, 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.--15,504 mi^2.

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 NGVD 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, 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 ft^3/s, May 27, 1984, gage height, 13.20 ft; no flow at times, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 437 ft^3/s, June 19, gage height, 5.45 ft; minimum daily, 0.75 ft^3/s, October 6.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.83	6.2	28	e28	45	107	e160	108	195	226	36	10
2	0.97	6.2	23	e25	51	112	e168	109	184	228	34	10
3	1.4	6.2	25	e23	56	115	e175	104	140	214	34	9.9
4	1.1	6.3	27	e22	59	116	e180	98	128	197	32	9.6
5	1.4	6.6	30	e20	68	115	e160	96	127	184	31	9.1
6	0.75	7.8	27	e22	54	115	e140	95	127	173	29	8.7
7	1.1	8.5	25	e26	60	116	e150	113	133	162	28	9.1
8	1.5	8.6	24	34	47	114	e162	121	133	151	27	9.8
9	2.1	8.3	24	36	46	115	e168	87	116	117	26	9.5
10	2.0	8.2	23	44	51	122	e150	84	78	91	25	9.1
11	2.6	8.2	30	47	45	124	e100	95	65	82	25	8.7
12	2.9	8.1	27	47	42	121	e75	84	66	93	23	8.7
13	3.1	8.5	22	e44	46	118	67	74	170	122	22	8.7
14	3.4	9.3	19	e40	49	118	64	74	288	111	20	8.6
15	3.5	10	19	e34	51	121	65	137	343	103	19	8.4
16	3.7	12	17	32	54	129	72	e164	237	97	18	8.7
17	3.7	14	29	e32	59	134	82	e245	250	92	18	8.8
18	4.5	15	26	e33	64	137	153	e260	310	90	16	8.6
19	4.0	15	24	e28	66	142	165	e260	415	86	16	8.4
20	3.8	15	18	e26	76	143	164	e240	366	83	15	8.2
21	4.5	17	16	e27	79	143	160	e250	346	80	14	7.8
22	4.4	19	e14	e30	80	e145	155	e250	344	77	14	7.7
23	4.5	20	e12	e29	79	e140	154	e260	420	74	14	7.6
24	4.9	22	e11	30	88	e140	161	e300	395	68	13	7.5
25	4.6	24	e11	32	87	137	187	e260	345	60	13	7.3
26	4.5	24	e14	35	86	133	163	e255	309	53	12	7.5
27	4.8	24	e12	41	90	127	122	e253	285	49	11	7.6
28	5.5	31	e18	e45	100	127	141	e235	275	44	11	7.8
29	5.3	40	e22	e46	---	135	128	227	251	41	11	8.2
30	5.7	29	e23	33	---	149	104	225	238	38	11	8.5
31	6.2	---	e27	37	---	153	---	208	---	37	11	---
TOTAL	103.25	438.0	667	1028	1778	3963	4095	5371	7079	3323	629	258.1
MEAN	3.331	14.60	21.52	33.16	63.50	127.8	136.5	173.3	236.0	107.2	20.29	8.603
MAX	6.2	40	30	47	100	153	187	300	420	228	36	10
MIN	0.75	6.2	11	20	42	107	64	74	65	37	11	7.3
AC-FT	205	869	1320	2040	3530	7860	8120	10650	14040	6590	1250	512

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2002, BY WATER YEAR (WY)

MEAN	42.19	62.42	89.80	120.2	186.4	384.7	551.5	622.0	693.7	459.5	117.5	43.04
MAX	301	412	685	779	991	1991	4489	6223	5355	2340	936	292
(WY)	1985	1985	1984	1984	1984	1986	1984	1984	1984	1984	1984	1984
MIN	0.000	0.000	0.000	0.000	0.000	33.7	45.8	16.5	1.76	0.75	0.000	0.000
(WY)	1936	1936	1936	1940	1941	1955	1955	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1935 - 2002	
ANNUAL TOTAL	18286.77		28732.35			
ANNUAL MEAN	50.10		78.72		277.8	
HIGHEST ANNUAL MEAN					2017	1984
LOWEST ANNUAL MEAN					26.0	1955
HIGHEST DAILY MEAN	193	Jun 7	420	Jun 23	9190	May 27 1984
LOWEST DAILY MEAN	0.00	Aug 23	0.75	Oct 6	0.00	Jun 1 1935
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 23	1.1	Oct 1	0.00	Jun 1 1935
MAXIMUM PEAK FLOW			437	Jun 19	9270	May 27 1984
MAXIMUM PEAK STAGE			5.45	Jun 19	13.20	May 27 1984
ANNUAL RUNOFF (AC-FT)	36270		56990		201300	
10 PERCENT EXCEEDS	147		196		704	
50 PERCENT EXCEEDS	30		44		97	
90 PERCENT EXCEEDS	0.99		7.0		10	

e Estimated

HUMBOLDT RIVER BASIN

10334500 RYE PATCH RESERVOIR NEAR RYE PATCH, NV

LOCATION--Lat 40°28'15", long 118°18'24", in NE $^1/_4$ NE $^1/_4$ sec.18, T.30 N., R.33 E., Pershing County, Hydrologic Unit 16040108, at control works on east side of Rye Patch Dam on Humboldt River, and 2 mi northwest of Rye Patch.

DRAINAGE AREA.--16,100 mi^2, approximately.

PERIOD OF RECORD.--February 1936 to current year.

REVISED RECORDS.--WSP 1714: Drainage area.

GAGE.--Staff gage on dam read daily. Datum of gage is above sea level (Southern Pacific Railroad datum).

REMARKS.--Reservoir is formed by earthfill, rock-faced dam; storage began February 20, 1936. Capacity, 194,300 acre-ft between elevations, 4,072.5 ft, sill of trashrack structure, and 4,136.0 ft, top of spillway gates (since June 1976). Dead storage negligible. Elevation of spillway (gate sill) is 4,119 ft. Figures given herein represent usable contents and are based on capacity table No. 2, developed by Bureau of Reclamation, in use since October 1, 1971. Water is used for irrigation in the Lovelock area. See schematic diagram of Humboldt River Basin.

COOPERATION.--Records of daily elevation and storage furnished by Pershing County Water Conservation District.

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, 29,040 acre-ft, June 25, elevation, 4,114.3 ft; minimum observed, 9,900 acre-ft, September 15, elevation, 4,104.4 ft.

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

4,072	0	4,095	3,460	4,120	53,200
4,075	10	4,100	6,340	4,125	82,700
4,080	70	4,105	10,480	4,130	123,200
4,085	370	4,110	17,000	4,135	182,400
4,090	1,510	4,115	31,700	4,140	244,400

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13150	13150	---	13780	17000	19960	27900	26500	21700	26150	19720	11420
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	13780	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	31700	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	20200	---	---	---	9900
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	29040	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	27550	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	11860	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

10335000 HUMBOLDT RIVER NEAR RYE PATCH, NV

LOCATION.--Lat 40°28'03", long 118°18'24", in SE $^1/_4$ NE $^1/_4$ 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.--16,002 mi^2.

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 NGVD 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 ft^3/s, May 12, 1897, gage height, 12.0 ft, (datum then in use); maximum discharge after dam completed, 7,960 ft^3/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, 591 ft^3/s, July 1, gage height, 7.15 ft; minimum daily, 0.07 ft^3/s, September 18, 2002.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.42	0.41	0.16	0.15	0.21	0.29	0.45	318	59	576	117	108
2	0.36	0.44	0.17	0.23	0.23	0.24	0.41	275	98	552	130	108
3	0.36	0.48	0.13	0.16	0.26	0.28	0.49	288	67	540	170	109
4	0.40	0.50	0.12	0.14	0.24	0.27	0.55	242	106	400	217	109
5	0.40	0.45	0.10	0.18	0.28	0.27	0.61	288	88	302	289	50
6	0.50	0.41	0.09	0.19	0.31	0.32	0.54	351	42	275	339	28
7	0.54	0.35	0.09	0.17	0.38	0.39	0.57	394	6.0	263	411	28
8	0.56	0.29	0.10	0.17	0.28	0.31	0.69	461	38	249	401	41
9	0.55	0.30	0.08	0.16	0.37	0.30	0.76	430	49	343	327	58
10	0.58	0.22	0.10	0.19	0.38	0.29	0.91	390	21	332	307	91
11	0.61	0.22	0.10	0.20	0.39	0.33	229	329	13	254	356	106
12	0.66	0.31	0.10	0.24	0.34	0.34	122	330	44	185	362	140
13	0.85	0.28	0.10	0.28	0.38	0.26	4.5	355	44	62	303	140
14	0.87	0.22	0.09	0.26	0.32	0.23	115	343	68	29	180	64
15	0.94	0.23	0.10	0.25	0.33	0.27	195	366	100	29	137	0.13
16	0.94	0.28	0.13	0.25	0.37	0.27	245	353	100	29	148	0.11
17	0.90	0.24	0.12	0.22	0.39	0.30	228	298	132	29	125	0.09
18	0.94	0.19	0.13	0.22	0.32	0.27	202	252	182	30	116	0.07
19	1.1	0.17	0.11	0.24	0.45	0.26	219	232	135	30	81	0.08
20	1.1	0.15	0.11	0.29	0.31	0.22	193	149	110	31	60	0.09
21	1.2	0.14	0.11	0.33	0.28	0.23	157	138	93	94	52	0.10
22	1.2	0.11	0.10	0.25	0.30	0.27	181	166	86	85	57	0.13
23	1.2	0.10	0.13	0.22	0.29	0.25	262	172	110	50	24	0.13
24	0.93	0.17	0.13	0.21	0.30	0.25	252	159	132	80	33	0.15
25	0.92	0.12	0.14	0.21	0.23	0.26	291	129	203	119	58	0.15
26	1.1	0.10	0.13	0.26	0.30	0.33	316	120	340	97	58	0.20
27	1.4	0.10	0.13	0.22	0.30	0.35	311	121	486	83	58	0.60
28	0.98	0.14	0.13	0.24	0.26	0.34	353	81	564	164	66	0.13
29	0.92	0.15	0.14	0.21	---	0.42	369	50	522	194	108	0.15
30	0.85	0.12	0.18	0.22	---	0.47	338	54	544	166	108	0.17
31	0.57	---	0.20	0.21	---	0.50	---	64	---	155	108	---
TOTAL	24.85	7.39	3.75	6.77	8.80	9.38	4588.48	7698	4582.0	5827	5306	1182.48
MEAN	0.802	0.246	0.121	0.218	0.314	0.303	152.9	248.3	152.7	188.0	171.2	39.42
MAX	1.4	0.50	0.20	0.33	0.45	0.50	369	461	564	576	411	140
MIN	0.36	0.10	0.08	0.14	0.21	0.22	0.41	50	6.0	29	24	0.07
AC-FT	49	15	7.4	13	17	19	9100	15270	9090	11560	10520	2350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2002, BY WATER YEAR (WY)

MEAN	110.8	36.81	43.23	68.10	63.56	164.3	447.5	640.2	557.9	453.7	267.1	156.6
MAX	430	366	979	1310	1142	2206	3579	6215	4981	1983	990	716
(WY)	1999	1999	1984	1984	1984	1983	1984	1984	1984	1984	1995	1995
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.14	104	22.8	1.54	0.42	0.12
(WY)	1936	1936	1936	1936	1936	1937	1991	1955	1961	1991	1961	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1936 - 2002	
ANNUAL TOTAL	37756.86		29244.90			
ANNUAL MEAN	103.4		80.12		251.7	
HIGHEST ANNUAL MEAN					2004	1984
LOWEST ANNUAL MEAN					29.2	1955
HIGHEST DAILY MEAN	697	May 1	576	Jul 1	7840	May 29 1984
LOWEST DAILY MEAN	0.08	Dec 9	0.07	Sep 18	0.00	Oct 1 1935
ANNUAL SEVEN-DAY MINIMUM	0.09	Dec 5	0.09	Dec 5	0.00	Oct 1 1935
MAXIMUM PEAK FLOW			591	Jul 1	7960	May 28 1984
MAXIMUM PEAK STAGE			7.15	Jul 1	13.65	May 28 1984
ANNUAL RUNOFF (AC-FT)	74890		58010		182300	
10 PERCENT EXCEEDS	316		302		578	
50 PERCENT EXCEEDS	3.6		0.58		107	
90 PERCENT EXCEEDS	0.13		0.13		0.15	

10335000 HUMBOLDT RIVER AT RYE PATCH

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
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	.000	.000	.000	.000	.000	16.3	7.83	13.2	.033	.000	.000	.000
(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		