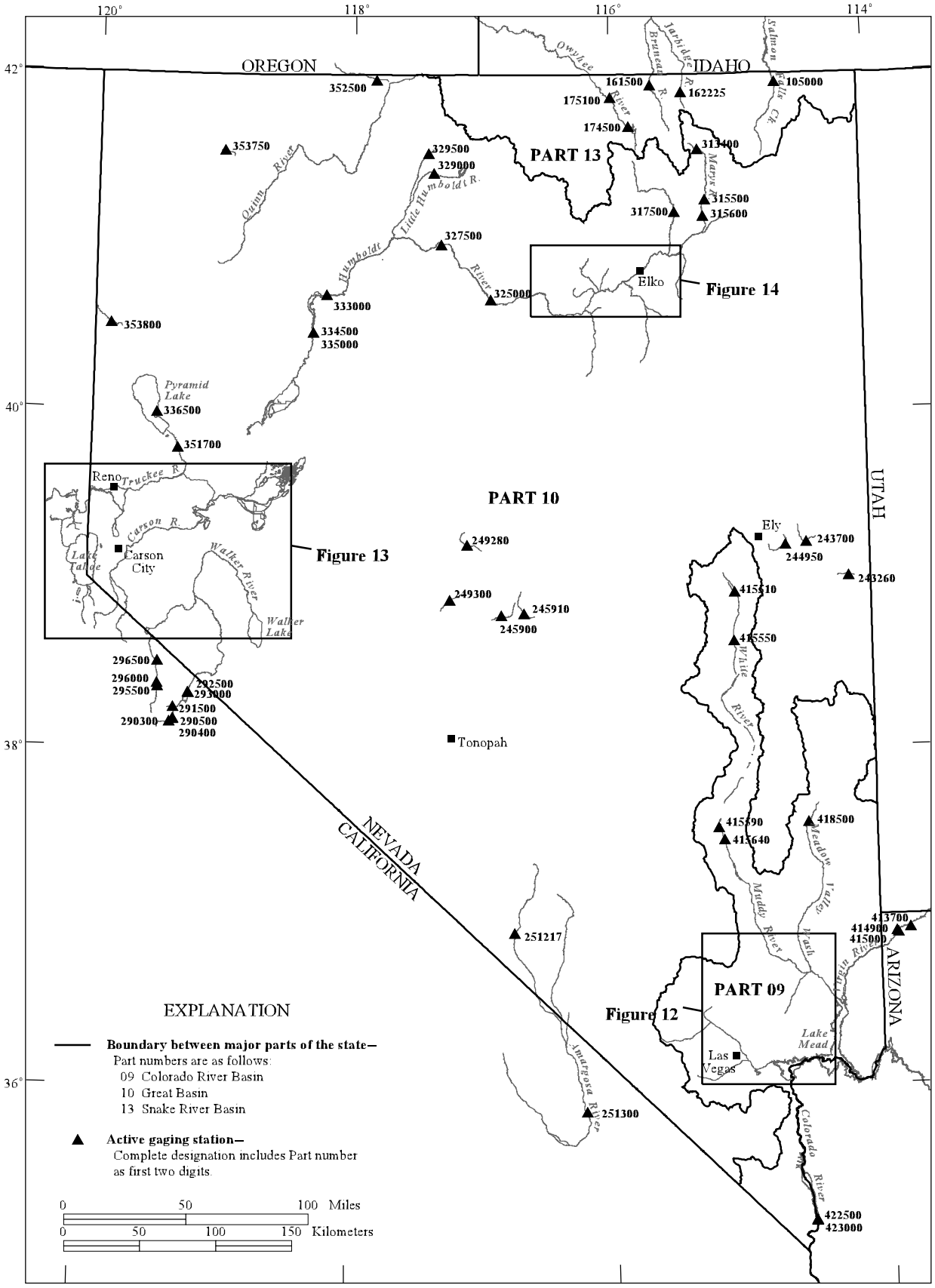
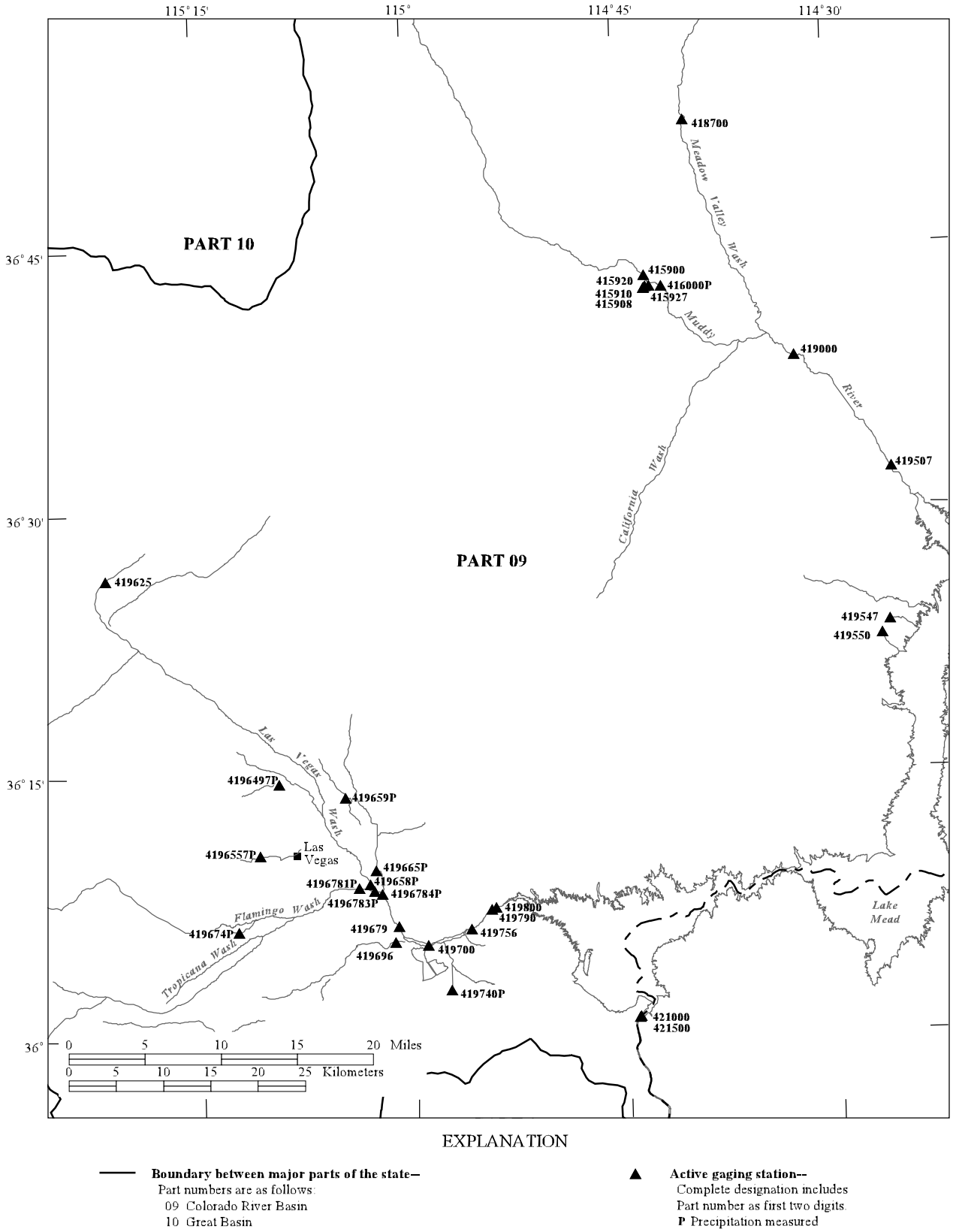


Figure 11. Gaging stations listed in this report.



EXPLANATION

Boundary between major parts of the state--
Part numbers are as follows:
09 Colorado River Basin
10 Great Basin

Active gaging station--
Complete designation includes
Part number as first two digits.
P Precipitation measured

Figure 12. Gaging stations, southeastern Nevada.

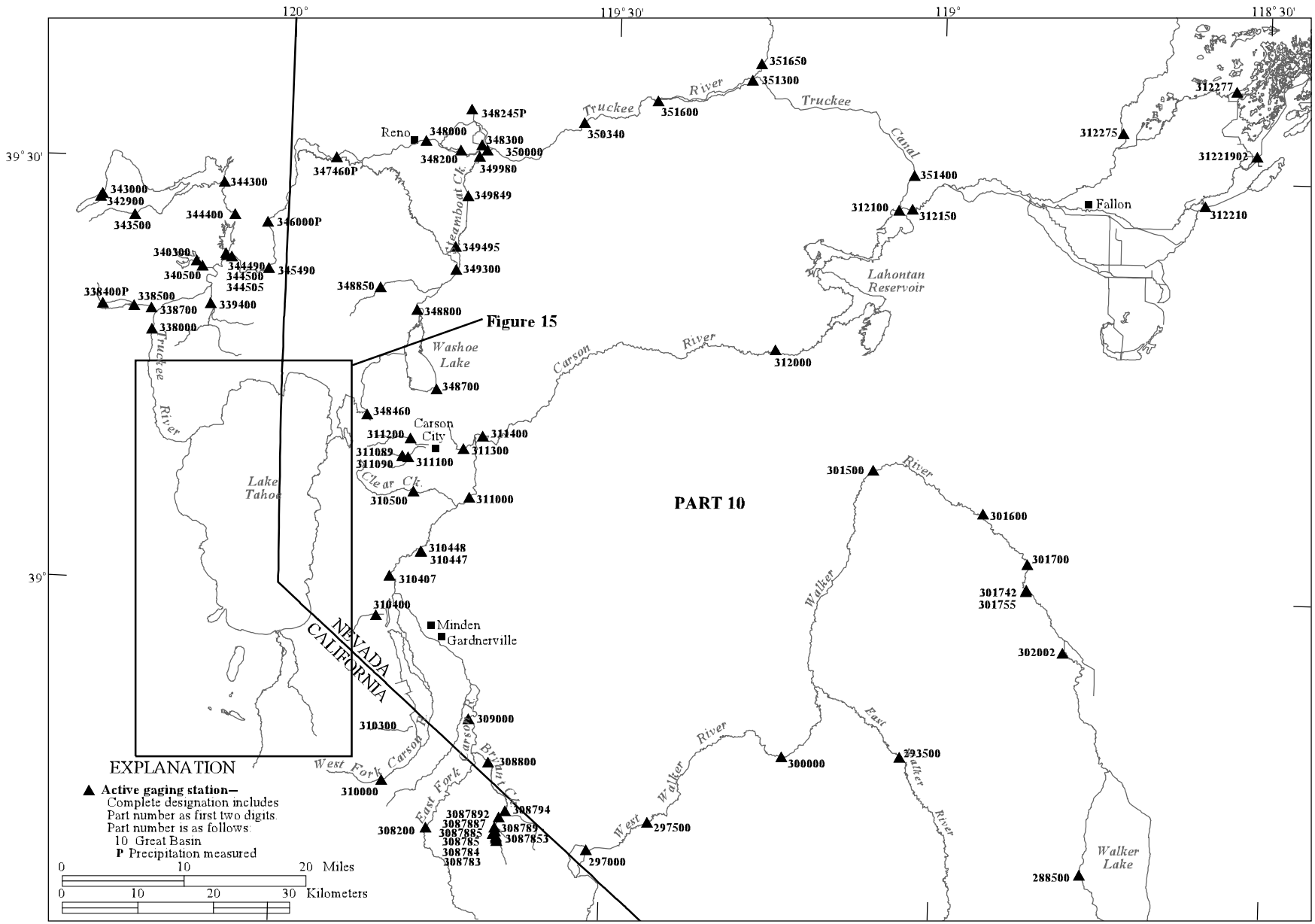


Figure 13. Gaging stations, west-central Nevada.

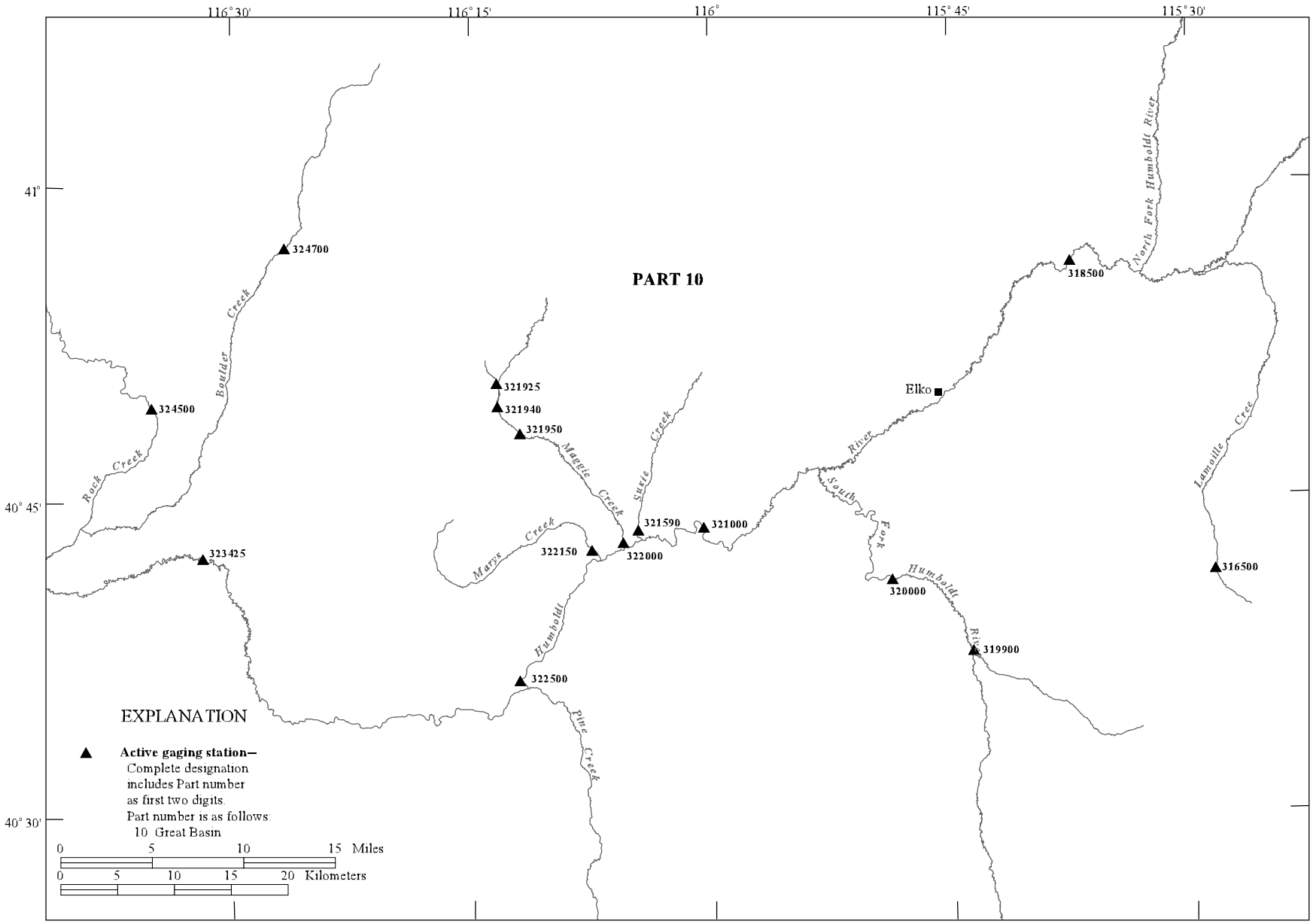


Figure 14. Gaging stations, upper Humboldt River, Nevada.

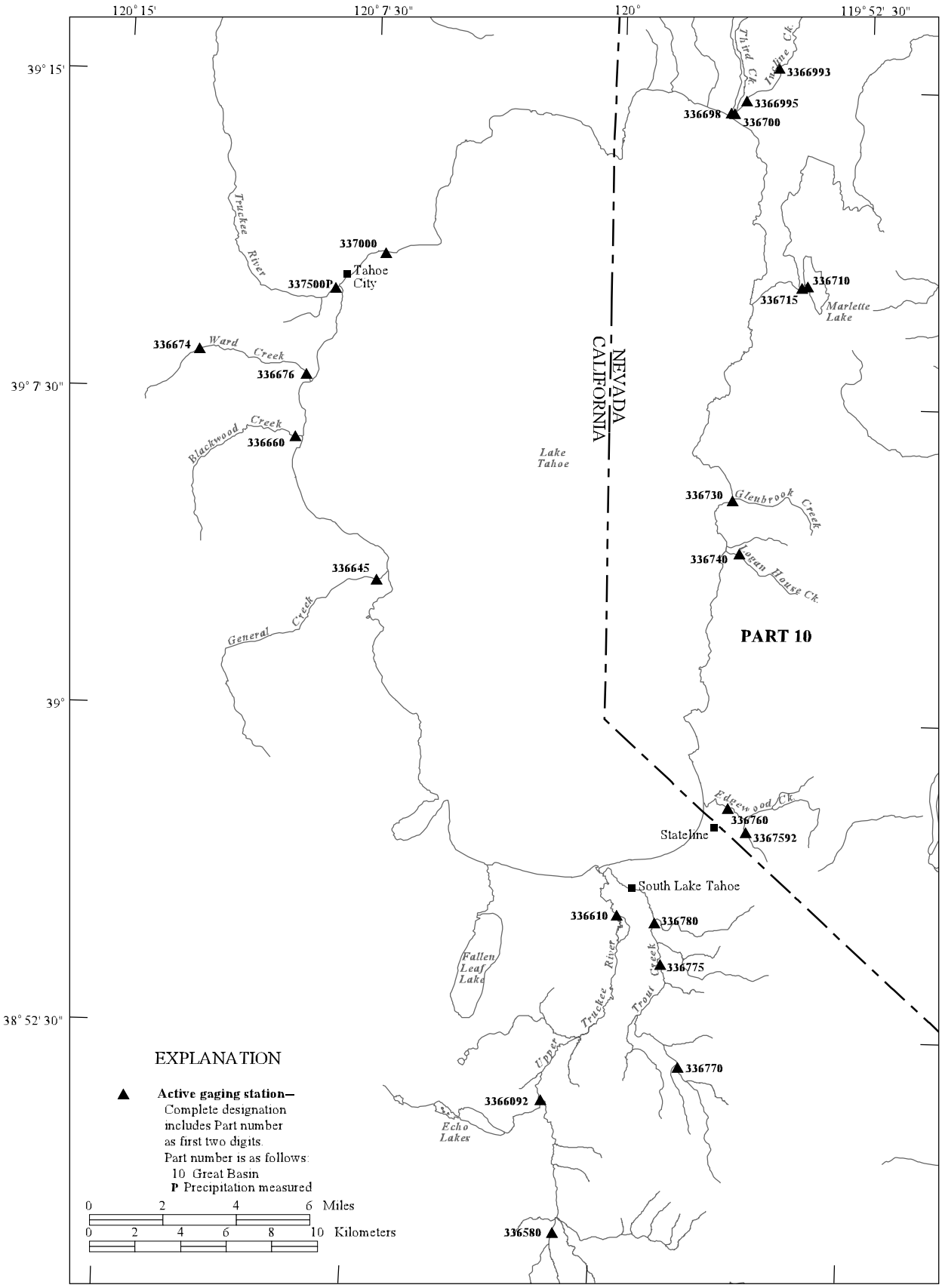


Figure 15. Gaging stations, Lake Tahoe basin.

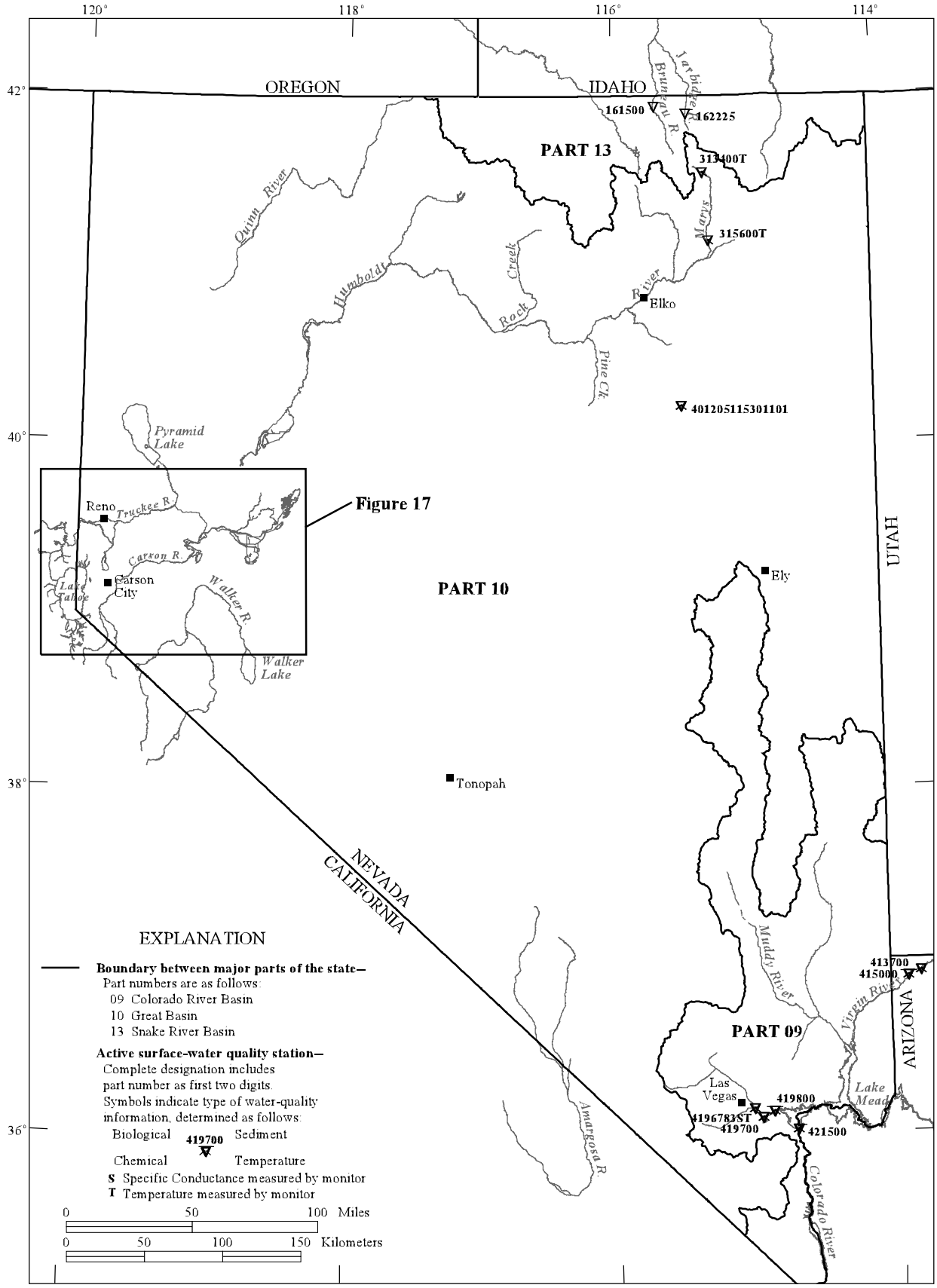


Figure 16. Surface-water quality stations listed in this report.

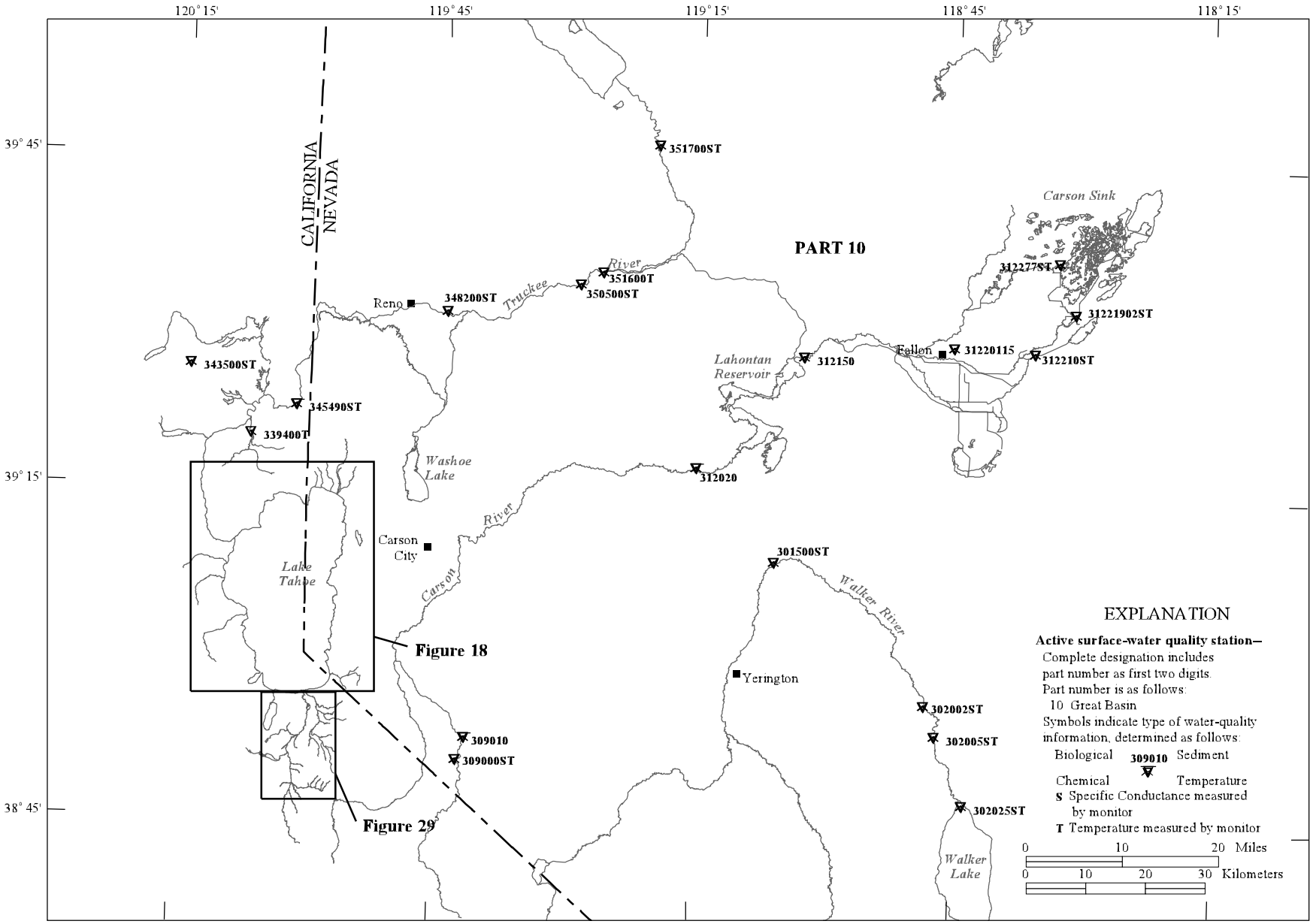


Figure 17. Surface-water quality stations, west-central Nevada.

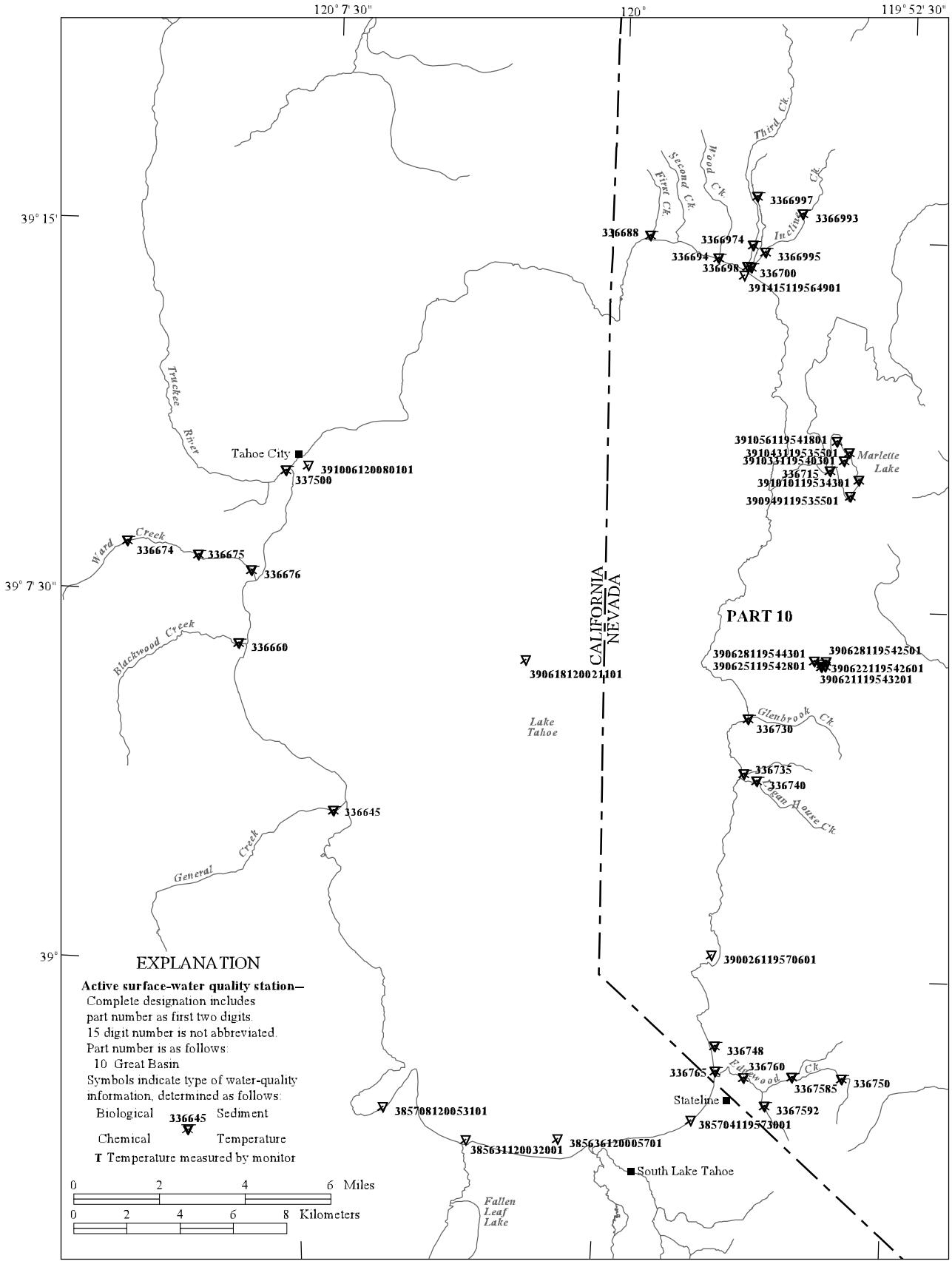


Figure 18. Surface-water quality stations, Lake Tahoe.

SURFACE WATER RECORDS

DONALD C. CLENDENON, U.S. GEOLOGICAL SURVEY

Construction of new gage house at Carson River at Carson City gaging station May, 1967.

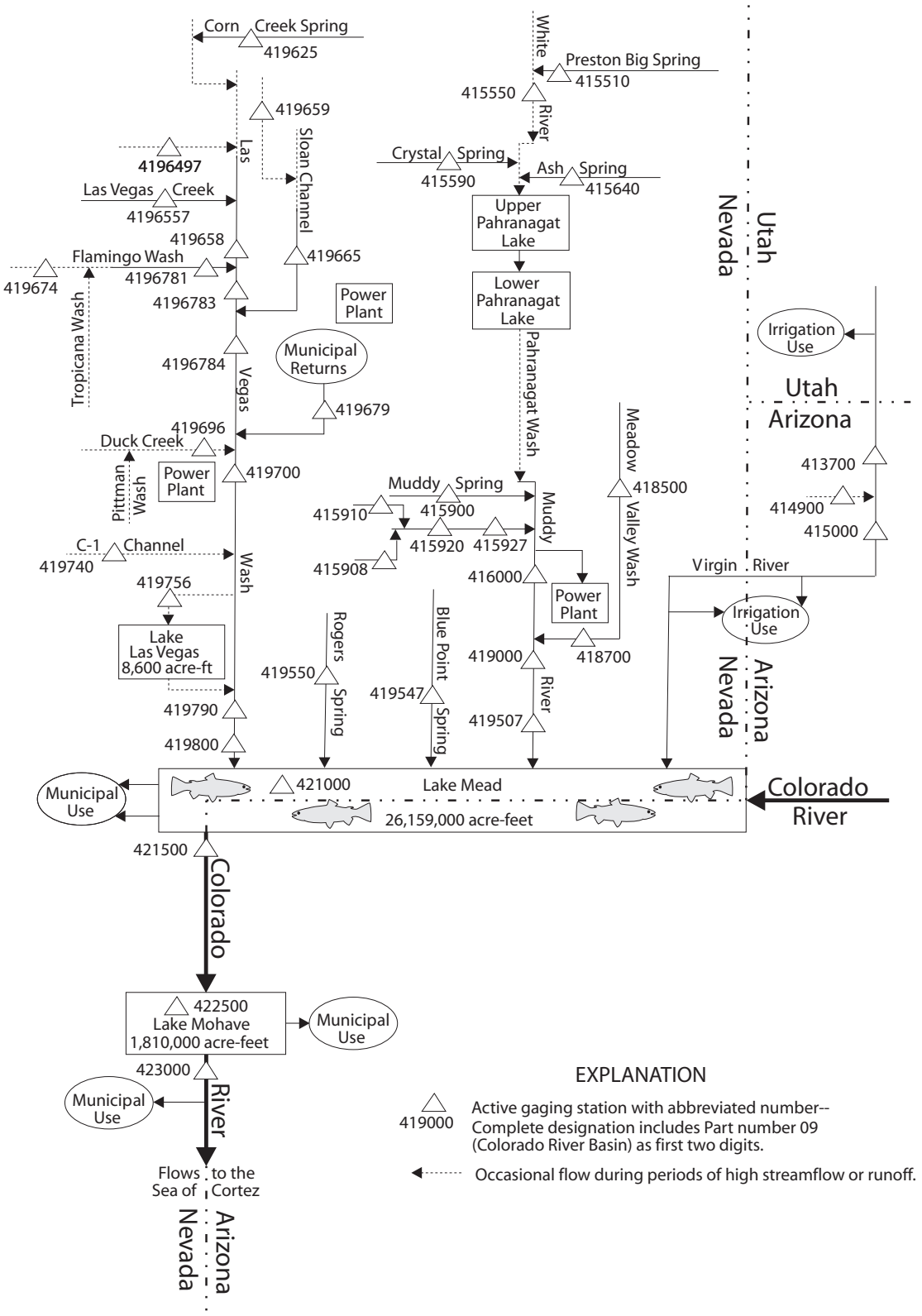


Figure 19. Schematic diagram of flow system and gaging stations in Colorado River basin.

SURFACE-WATER RECORDS

COLORADO RIVER BASIN

VIRGIN RIVER BASIN

09413700 VIRGIN RIVER ABOVE THE NARROWS NEAR LITTLEFIELD, AZ

LOCATION.--Lat 36°55''16", long 113°49'52", in NE $^1/_4$ SE $^1/_4$ sec. 29, T.41 N., R.14 W., Mohave County, Hydrologic Unit 15010010, on right bank, 50 ft east of edge of roadway of I-15, 225 ft south of mile marker 15, 6.8 mi upstream from Littlefield, and 43 mi upstream from Lake Mead.

DRAINAGE AREA.--4,415 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,000 ft above NGVD of 1929, from topographic map.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of January 1, 1989, 61,000 ft^3/s, on basis of slope-area measurement of peak flow at site about 1.0 mi downstream, due to failure of Quail Creek Dam.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 1,220 ft^3/s, September 7, gage height, 9.78 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	37	58	107	111	e57	55	32	40	3.5	0.42	5.0	0.75
2	33	62	101	100	e77	73	28	28	0.94	0.35	0.58	0.23
3	28	68	107	136	e75	61	26	28	0.05	0.76	1.1	1.9
4	30	59	96	97	e81	58	26	12	6.0	1.2	1.7	0.00
5	32	73	104	95	e73	58	22	13	6.2	2.2	4.3	0.00
6	28	74	95	95	e74	78	17	11	7.7	0.18	4.6	0.18
7	44	58	99	93	e74	63	21	18	4.2	0.14	0.69	311
8	67	59	99	96	e75	52	31	15	3.1	0.76	1.4	186
9	54	51	101	92	e65	46	27	8.8	0.11	0.03	0.21	284
10	67	57	97	100	e59	53	31	12	1.0	0.19	0.33	98
11	34	57	107	87	e48	46	31	8.5	0.85	0.00	0.25	92
12	41	83	108	89	e46	40	27	14	0.77	0.59	0.00	106
13	51	52	105	99	e39	45	21	8.1	1.2	0.02	0.02	91
14	47	69	105	93	e44	52	23	12	0.98	0.07	0.00	63
15	62	79	111	72	e39	42	22	9.4	0.69	0.00	0.13	51
16	85	77	108	67	e44	49	43	10	0.00	0.00	0.00	40
17	57	70	105	72	e47	56	39	12	0.00	0.14	0.00	48
18	70	79	102	91	e46	54	44	8.7	0.02	0.05	0.00	26
19	61	86	110	94	e54	42	40	5.8	0.23	1.5	0.00	27
20	68	80	111	91	e56	47	39	7.3	0.05	3.1	0.00	30
21	73	71	114	97	39	49	30	7.2	0.00	2.3	0.00	24
22	93	92	114	94	59	45	31	5.3	0.36	5.1	0.00	22
23	71	79	114	e74	70	39	37	16	0.56	1.9	0.00	16
24	62	83	120	e68	51	32	34	7.7	1.3	4.6	0.00	23
25	68	110	148	e67	43	50	31	5.5	1.9	82	0.00	15
26	64	113	151	e75	40	54	26	1.5	0.33	78	0.00	20
27	47	100	151	e75	41	44	48	3.3	0.00	20	0.08	24
28	49	107	157	e81	43	39	62	15	0.00	3.9	0.00	19
29	71	98	164	e79	---	42	55	7.3	0.01	6.7	0.00	18
30	60	107	183	e73	---	42	48	4.0	0.34	1.6	0.00	80
31	52	---	151	e69	---	41	---	3.3	---	8.5	0.76	---
TOTAL	1706	2311	3645	2722	1559	1547	992	357.7	42.39	226.30	21.15	1717.06
MEAN	55.03	77.03	117.6	87.81	55.68	49.90	33.07	11.54	1.413	7.300	0.682	57.24
MAX	93	113	183	136	81	78	62	40	7.7	82	5.0	311
MIN	28	51	95	67	39	32	17	1.5	0.00	0.00	0.00	0.00
AC-FT	3380	4580	7230	5400	3090	3070	1970	709	84	449	42	3410

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2002, BY WATER YEAR (WY)

MEAN	92.48	117.9	126.3	114.8	126.6	120.6	136.2	95.46	17.15	59.85	42.37	114.3
MAX	145	212	216	172	180	194	209	162	49.3	153	81.5	376
(WY)	1999	1999	1999	1999	1999	2000	2001	2001	1999	1998	1999	1998
MIN	55.0	77.0	85.2	87.8	55.7	49.9	33.1	11.5	1.41	7.30	0.68	27.8
(WY)	2002	2002	2000	2002	2002	2002	2002	2002	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1998 - 2002	
ANNUAL TOTAL	32879.93		16846.60			
ANNUAL MEAN	90.08		46.16		89.25	
HIGHEST ANNUAL MEAN					128	1999
LOWEST ANNUAL MEAN					46.2	2002
HIGHEST DAILY MEAN	359	Mar 10	311	Sep 7	2600	Sep 12 1998
LOWEST DAILY MEAN	0.00	Jun 21	0.00	Jun 16	0.00	Jun 21 2001
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 28	0.00	Aug 16	0.00	Jun 28 2001
MAXIMUM PEAK FLOW			1220	Sep 7	61000	Jan 1 1989
MAXIMUM PEAK STAGE			9.78	Sep 7		
ANNUAL RUNOFF (AC-FT)	65220		33420		64660	
10 PERCENT EXCEEDS	197		100		203	
50 PERCENT EXCEEDS	85		42		73	
90 PERCENT EXCEEDS	10		0.10		5.1	

e Estimated

09413700 VIRGIN RIVER ABOVE THE NARROWS NEAR LITTLEFIELD, AZ--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1998 to current year.

REMARKS.--In June 1998, station was established in cooperation with the Southern Nevada Water Authority to characterize the hydraulics and water quality of the Virgin 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 WATER (DEG C) (00010)
OCT									
01...	1000	ENVIRONMENTAL	37	710	8.8	103	8.5	3230	19.0
DEC									
03...	0900	ENVIRONMENTAL	114	707	11.3	141	8.3	2790	22.0
APR									
23...	0830	ENVIRONMENTAL	38	710	9.3	98	8.3	3470	14.0
SEP									
23...	0930	ENVIRONMENTAL	18	709	8.6	98	8.4	3460	17.5

VIRGIN RIVER BASIN

09414900 BEAVER DAM WASH AT BEAVER DAM, AZ

LOCATION.--Lat 36°54‘‘07", long 113°55'58", in NW $^1/_4$ NE $^1/_4$ NE $^1/_4$ sec. 5, T.40 N., R.15 W., Mohave County, Hydrologic Unit 15010010, on upstream end of bridge pier at Beaver Dam, AZ.

DRAINAGE AREA.--575 mi^2.

PERIOD OF RECORD.--February 1993 to September 1994, October 1995 to September 1996, October 1997 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,850 ft above NGVD of 1929, from bench mark on bridge.

REMARKS.--No estimated daily discharges. Records poor. See schematic diagram of Colorado River Basin.

EXTREMES PERIOD OF RECORD.--Maximum discharge, 5,940 ft^3/s, February 10, 1993, gage height, 7.14 ft from rating curve extended above 2,220 ft^3/s; minimum daily, 0.11 ft^3/s, February 18, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 286 ft^3/s, September 11, gage height, 5.92 ft; minimum daily, 0.48 ft^3/s, September 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	1.6	2.2	1.7	1.8	2.2	2.5	1.0	1.6	1.6	1.4	1.9	1.2
2	1.6	2.3	1.7	1.7	2.1	2.6	1.0	1.7	1.6	1.5	1.7	1.1
3	1.7	2.3	1.7	1.7	1.9	2.5	1.0	1.6	1.6	1.4	1.7	1.2
4	1.6	2.3	1.7	1.8	1.9	2.5	1.0	1.6	1.6	1.3	1.7	1.1
5	1.6	2.2	1.7	1.9	1.9	2.3	0.97	1.6	1.7	1.3	1.8	0.86
6	1.8	2.2	1.7	2.0	1.7	2.3	0.96	1.6	1.9	1.4	1.6	0.73
7	1.9	2.2	1.7	2.1	1.7	2.2	1.0	1.5	2.0	1.4	1.6	0.53
8	1.9	2.2	1.8	2.0	1.7	2.1	1.0	1.5	1.8	1.5	1.4	0.50
9	2.0	2.2	1.9	2.0	1.6	2.0	1.0	1.5	1.9	1.4	1.2	0.50
10	2.0	2.0	1.9	2.2	1.6	2.0	1.0	1.5	1.9	1.5	0.93	0.48
11	2.0	2.0	1.8	2.2	1.6	2.0	1.0	1.4	1.9	1.5	0.71	40
12	2.1	2.0	1.6	2.2	1.5	1.9	1.0	1.4	1.9	1.6	0.64	0.99
13	2.2	2.0	1.6	2.3	1.7	1.7	0.97	1.5	1.8	1.6	0.60	1.4
14	2.1	2.0	1.6	2.3	1.6	1.7	0.94	1.5	1.7	1.6	0.64	1.5
15	2.1	1.9	1.6	2.2	1.6	1.7	1.2	1.4	1.6	1.6	0.60	1.4
16	2.3	1.9	1.9	2.2	1.6	1.8	1.7	1.5	1.5	1.5	0.67	1.2
17	2.2	1.9	1.9	2.3	1.5	1.8	1.6	1.5	1.5	1.6	0.67	1.1
18	2.2	1.9	2.0	2.3	1.5	1.9	1.6	1.5	1.5	1.7	0.72	1.1
19	2.2	1.9	2.0	2.5	1.5	2.0	1.6	1.4	1.5	1.6	0.70	1.0
20	2.1	1.8	2.0	2.4	1.6	2.1	1.6	1.5	1.5	1.5	0.75	1.0
21	2.2	1.7	2.0	2.3	1.6	2.0	1.5	1.5	1.5	1.5	0.75	0.98
22	2.3	1.7	2.1	2.4	1.6	1.9	1.5	1.6	1.5	1.5	0.83	0.94
23	2.3	1.7	2.0	2.5	1.8	1.9	1.6	1.6	1.5	1.5	0.84	0.90
24	2.3	1.7	2.0	2.5	2.0	1.8	1.6	1.6	1.5	1.6	0.93	0.84
25	2.2	1.8	2.0	2.5	1.9	1.7	1.5	1.6	1.5	1.7	0.94	0.84
26	2.2	1.7	2.0	2.4	2.0	1.7	1.5	1.5	1.5	1.7	0.99	0.76
27	2.2	1.7	2.0	2.3	2.1	1.6	1.5	1.5	1.5	1.8	1.0	0.75
28	2.2	1.7	2.2	2.3	2.1	1.4	1.5	1.5	1.5	1.9	1.1	0.75
29	2.2	1.7	2.3	2.2	---	1.1	1.5	1.5	1.4	1.9	1.1	0.75
30	2.1	1.7	2.3	2.2	---	1.1	1.5	1.5	1.3	1.8	1.2	0.75
31	2.2	---	2.2	2.2	---	1.1	---	1.5	---	1.8	1.3	---
TOTAL	63.6	58.5	58.6	67.9	49.1	58.9	38.34	47.2	48.7	48.6	33.21	67.15
MEAN	2.05	1.95	1.89	2.19	1.75	1.90	1.28	1.52	1.62	1.57	1.07	2.24
MAX	2.3	2.3	2.3	2.5	2.2	2.6	1.7	1.7	2.0	1.9	1.9	40
MIN	1.6	1.7	1.6	1.7	1.5	1.1	0.94	1.4	1.3	1.3	0.60	0.48
AC-FT	126	116	116	135	97	117	76	94	97	96	66	133

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

MEAN	2.30	2.42	2.62	2.74	6.45	5.86	3.29	2.32	2.08	2.07	2.04	2.22
MAX	2.88	3.08	3.23	3.40	31.2	30.1	9.31	2.91	2.56	2.62	2.75	3.90
(WY)	1994	1997	1996	1997	1998	1993	1993	1993	1997	1993	1993	1998
MIN	1.64	1.55	1.89	1.97	1.75	1.90	1.28	1.52	1.43	1.57	1.07	1.11
(WY)	1998	1998	2002	2001	2002	2002	2002	2002	2001	2002	2002	1993

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1993 - 2002	
ANNUAL TOTAL	661.1		639.80			
ANNUAL MEAN	1.81		1.75		2.68	
HIGHEST ANNUAL MEAN					4.96	1998
LOWEST ANNUAL MEAN					1.75	2002
HIGHEST DAILY MEAN	10	Mar 10	40	Sep 11	1730	Feb 9 1993
LOWEST DAILY MEAN	1.1	Jul 19	0.48	Sep 10	0.11	Feb 18 1993
ANNUAL SEVEN-DAY MINIMUM	1.2	Jul 16	0.65	Aug 11	0.65	Aug 11 2002
MAXIMUM PEAK FLOW			286	Sep 11	5940	Feb 10 1993
MAXIMUM PEAK STAGE			5.92	Sep 11	7.14	Feb 10 1993
ANNUAL RUNOFF (AC-FT)	1310		1270		1940	
10 PERCENT EXCEEDS	2.2		2.2		3.1	
50 PERCENT EXCEEDS	1.8		1.6		2.3	
90 PERCENT EXCEEDS	1.4		0.99		1.6	

VIRGIN RIVER BASIN

09415000 VIRGIN RIVER AT LITTLEFIELD, AZ

LOCATION.--Lat 36°53'30", long 113°55'25", in SW $^1/_4$ SW $^1/_4$ sec.4, T.40 N., R.15 W., Mohave County, Hydrologic Unit 15010010, on right bank, 0.5 mi downstream from Beaver Dam Wash, 0.4 mi upstream from Littlefield, and 36 mi upstream from Lake Mead.

DRAINAGE AREA.--5,090 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1929 to current year.

REVISED RECORDS.--WSP 959: 1932. WSP 979: 1930-31, 1933-37. WSP 1313: 1940 (M).

GAGE.--Water-stage recorder. Datum of gage is 1,763.68 ft above NGVD of 1929. Prior to May 28, 1933, nonrecording gage at site 300 ft upstream, and May 28, 1933, to November 7, 1939, at same site, both at datum 2.53 ft higher. November 8, 1939, to March 31, 1942, nonrecording gage at same site at datum 2.00 ft higher. April 1, 1942, to September 30, 1970, water-stage recorder at same site at same datum. October 1, 1970, to August 7, 1979, at site 300 ft upstream at same datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,000 ft^3/s, January 1, 1989, gage height, 22.37 ft, due to failure of Quail Creek Dam; maximum discharge excluding 1989: 35,200 ft^3/s, December 6, 1966, gage height, 15.66 ft, for site then in use, from rating curve exteded above 1,500 ft^3/s on basis of slope-area measurement of peak flow; minimum daily, 40 ft^3/s, August 6, 1966.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sept 7	1130	*1700	*6.64				

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	99	113	161	160	115	101	107	107	57	52	61	52
2	96	109	151	142	134	129	107	87	53	54	54	53
3	88	119	157	184	132	108	109	92	52	53	54	54
4	93	104	147	142	138	104	109	74	56	51	53	50
5	95	122	155	141	127	100	101	73	60	56	56	51
6	89	126	143	137	128	126	96	69	62	52	59	52
7	109	107	147	133	128	136	95	76	58	52	51	538
8	138	107	144	138	130	112	105	76	52	54	51	332
9	123	99	149	135	119	108	101	66	50	53	50	470
10	138	100	144	147	114	107	101	68	49	53	50	188
11	107	105	155	128	104	100	102	66	51	54	48	248
12	106	132	161	129	101	92	98	69	50	54	47	183
13	119	136	154	144	94	97	88	67	51	55	47	175
14	119	118	156	136	97	102	89	70	52	53	47	129
15	123	128	171	137	92	99	86	70	51	53	47	107
16	148	132	168	131	97	100	106	67	50	54	46	95
17	112	117	160	140	100	115	106	69	49	55	47	102
18	121	127	157	132	99	115	108	63	50	56	46	81
19	115	137	163	130	106	102	104	54	50	57	47	74
20	115	137	168	133	109	105	100	58	51	58	47	80
21	e120	118	174	139	108	106	97	60	49	59	48	70
22	139	143	174	138	103	103	92	59	51	61	48	71
23	137	125	178	134	94	97	93	71	52	59	48	61
24	119	131	182	128	95	98	92	63	53	61	48	69
25	124	163	206	127	93	121	85	61	54	144	47	60
26	117	166	209	135	89	137	80	55	51	186	48	61
27	99	151	209	132	91	118	108	54	49	91	49	71
28	95	156	212	138	94	108	123	69	49	62	49	65
29	127	149	217	136	---	114	124	61	50	60	49	63
30	116	162	234	130	---	117	115	57	50	56	50	133
31	106	---	211	126	---	115	---	55	---	62	51	---
TOTAL	3552	3839	5317	4262	3031	3392	3027	2106	1562	1980	1543	3838
MEAN	114.6	128.0	171.5	137.5	108.2	109.4	100.9	67.94	52.07	63.87	49.77	127.9
MAX	148	166	234	184	138	137	124	107	62	186	61	538
MIN	88	99	143	126	89	92	80	54	49	51	46	50
MED	116	127	161	136	103	107	101	67	51	55	48	72
AC-FT	7050	7610	10550	8450	6010	6730	6000	4180	3100	3930	3060	7610

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2002, BY WATER YEAR (WY)

MEAN	148.3	191.1	223.5	235.4	317.1	362.4	402.5	417.0	140.4	107.7	174.4	152.9
MAX	602	552	1247	775	2330	1805	1385	2122	1119	381	976	737
(WY)	1947	1947	1967	1969	1980	1995	1969	1941	1983	1932	1932	1939
MIN	53.4	101	111	108	108	85.4	61.6	49.9	46.8	51.6	49.8	53.3
(WY)	1965	1991	1964	1964	2002	1977	1934	1990	1964	1965	2002	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1930 - 2002	
ANNUAL TOTAL	52201		37449			
ANNUAL MEAN	143.0		102.6		239.0	
HIGHEST ANNUAL MEAN					697	1983
LOWEST ANNUAL MEAN					100	1991
HIGHEST DAILY MEAN	331	Apr 29	538	Sep 7	17000	Mar 3 1938
LOWEST DAILY MEAN	43	Jul 24	46	Aug 16	40	Aug 6 1966
ANNUAL SEVEN-DAY MINIMUM	46	Jul 23	47	Aug 12	41	Aug 3 1966
MAXIMUM PEAK FLOW			1700	Sep 7	61000	Jan 1 1989
MAXIMUM PEAK STAGE			6.64	Sep 7	22.37	Jan 1 1989
ANNUAL RUNOFF (AC-FT)	103500		74280		173200	
10 PERCENT EXCEEDS	240		155		419	
50 PERCENT EXCEEDS	141		101		147	
90 PERCENT EXCEEDS	68		51		62	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1948 to current year.

PERIOD OF DAILY RECORD.--
CHEMICAL ANALYSES: July 1949 to September 1969.
SPECIFIC CONDUCTANCE: October 1947 to March 1988.
WATER TEMPERATURE: October 1947 to March 1988.
SEDIMENT DATA: October 1947 to September 1968, October 1992 to September 1995.

REMARKS.--Data was collected in cooperation with the Southern Nevada Water Authority to characterize the hydraulics and water quality of the Virgin River Basin and to establish information on chemical loading into Lake Mead. Streamflow is not completely homogenous chemically from bank to bank. Flow adjacent to north (right) bank is generally more dilute than average, particularly at times of low streamflow; monthly data collected during June 1975-September 1976 indicate that specific conductance off north bank was 93 to 100 percent of streamwide average (range of discharge, 60-230 ft^3/s). Water temperature characteristically shows little or no variation from bank to bank. Detailed sampling information for period since June 1975 is available from U.S. Geological Survey, Carson City, Nevada.

EXTREMES MEASURED FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 4,650 microsiemens/cm, August 21, 1966; minimum, 615 microsiemens/cm, May 27, 28, 30, 31, 1983.
WATER TEMPERATURE: Maximum, 33.5°C, July 7, 1953; minimum, 2.0°C January 4, 1949, January 4, 1950, January 4, 5, 1971.

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

Date	Time	Sample type	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	UV ABSORB-ANCE 254 NM, WTR FLT (UNITS /CM) (50624)	UV ABSORB-ANCE 280 NM, WTR FLT (UNITS /CM) (61726)	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 WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV													
27...	1015	ENVIRONMENTAL	163	63	.032	.022	714	10.3	101	7.8	2880	11.2	246
FEB													
27...	1000	ENVIRONMENTAL	92	9.3	.026	.020	717	8.5	88	7.8	3200	13.5	283
MAY													
20...	0845	ENVIRONMENTAL	67	5.1	.009	.006	709	9.3	115	7.8	3140	21.5	336
AUG													
27...	0930	ENVIRONMENTAL	50	2.5	.008	.006	709	8.4	103	7.8	3130	21.4	353

Date	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	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)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
NOV													
27...	75.0	22.9	257	273	260	317	354	.8	18.4	792	2050	1940	E.03
FEB													
27...	86.7	23.8	269	299	287	350	394	.9	17.1	979	2410	2240	.05
MAY													
20...	101	25.9	248	273	283	345	339	1.0	16.6	989	2350	2230	.06
AUG													
27...	101	25.2	247	245	260	307	352	1.0	20.8	1000	2430	2260	<.04

Date	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,PAR TICULTE WAT FLT SUSP (MG/L AS N) (49570)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	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)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)
NOV													
27...	E.09	.47	1.08	E.006	.18	E.04	.04	.21	6.4	2.4	1.5	4.0	130
FEB													
27...	.12	.21	.76	E.007	.04	.11	.11	.15	1.1	<.1	1.3	1.1	79
MAY													
20...	<.10	.31	E.03	<.008	.27	<.06	<.02	E.03	2.4	<.1	.7	2.4	120
AUG													
27...	<.10	.10	.13	<.008	.04	<.06	<.02	<.06	.4	<.1	.7	.4	42

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

Date	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BORON, DIS-SOLVED (UG/L AS B) (01020)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	2,4,5-T DIS-SOLVED (UG/L) (39742)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)
NOV													
27...	191	847	7.5	756	<10	303	1.1	3170	1.5	<.07	<.16	<.25	<.002
FEB													
27...	20	220	9.0	959	<10	427	<.7	3860	4.1	<.07	<.16	<.25	<.006
MAY													
20...	43	128	7.5	911	<30	421	2.8	3720	2.0	<.07	<.16	<.25	<.006
AUG													
27...	96	289	8.0	841	<30	413	2.8	3740	2.5	<.07	<.16	<.25	<.006

Date	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	[a]BDMC, SURROG, WATER, UNFLTRD REC PERCENT (99835)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)
NOV													
27...	<.11	<.004	<.05	<.002	<.20	<.27	<.21	<.005	<.007	91.4	<.010	<.05	<.14
FEB													
27...	<.11	<.006	<.05	<.004	<.20	<.27	<.21	<.005	<.007	95.0	<.010	<.05	<.10
MAY													
20...	<.11	<.006	<.05	<.004	<.20	<.27	<.21	<.005	<.007	78.1	<.010	<.05	<.09
AUG													
27...	<.11	<.006	<.05	<.004	<.20	<.27	<.21	<.005	<.007	73.7	<.010	<.05	<.09

Date	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)
NOV													
27...	<.07	<.002	<.080	<.041	<.15	<.020	<.21	<.25	<.005	<.42	<.018	<.07	<.003
FEB													
27...	<.07	<.002	<.080	<.041	<.15	<.020	<.21	<.25	<.005	<.42	<.018	<.16	<.003
MAY													
20...	<.07	<.002	<.080	<.041	<.15	<.020	<.21	<.25	<.005	<.42	<.018	<.07	<.003
AUG													
27...	<.07	<.002	<.080	<.041	<.15	<.020	<.21	<.25	<.005	<.42	<.018	<.07	<.003

Date	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	[a]DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLO-BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
NOV													
27...	<.006	95.7	.008	<.11	<.09	<.12	<.005	<.09	<.02	<.12	<.25	<.002	<.009
FEB													
27...	<.006	119	.009	<.11	<.09	<.12	<.005	<.09	<.02	<.12	<.25	<.002	<.009
MAY													
20...	<.006	103	E.003	<.11	<.09	<.12	<.005	<.14	<.02	<.12	<.25	<.002	<.009
AUG													
27...	<.006	126	<.005	<.11	<.09	<.12	<.005	<.15	<.02	<.12	<.25	<.002	<.009

Date	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	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)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)
NOV													
27...	<.005	<.17	<.06	<.003	87.2	<.004	<.06	<.035	<.027	<.33	<.26	<.07	<.22
FEB													
27...	<.005	<.07	<.06	<.003	95.5	<.004	<.06	<.035	<.027	<.20	<.26	<.07	<.38
MAY													
20...	<.005	<.07	<.06	<.003	95.3	<.004	<.06	<.035	<.027	<.20	<.26	<.07	<.22
AUG													
27...	<.005	<.07	<.06	<.003	95.9	<.004	<.06	<.035	<.027	<.20	<.26	<.07	<.22

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

Date	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)	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)	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	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)
NOV													
27...	<.050	<.006	<.013	<.006	<.002	<.007	<.07	<.04	<.28	<.16	<.003	<.007	<.002
FEB													
27...	<.050	<.006	<.013	<.006	<.002	<.007	<.07	<.04	<.28	<.16	<.003	<.010	<.004
MAY													
20...	<.050	<.006	<.013	<.006	<.002	<.007	<.07	<.04	<.28	<.16	<.003	<.010	<.004
AUG													
27...	<.050	<.006	<.013	<.006	<.002	<.007	<.07	<.04	<.28	<.16	<.003	<.010	<.004

Date	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)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	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)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SILVEX, DIS-SOLVED (UG/L) (39762)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)
NOV													
27...	<.010	<.006	<.011	<.09	M	<.004	<.010	<.011	<.02	<.22	<.12	<.03	<.011
FEB													
27...	<.022	<.006	<.011	<.09	<.01	<.004	<.010	<.011	<.02	<.22	<.23	<.03	<.005
MAY													
20...	<.022	<.006	<.011	<.09	<.01	<.004	<.010	<.011	<.02	<.22	<.12	<.03	<.005
AUG													
27...	<.022	<.006	<.011	<.09	<.01	<.004	<.010	<.011	<.02	<.22	<.12	<.03	<.005

Date	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)	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-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV										
27...	<.02	<.034	<.02	<.005	<.002	<.07	<.009	--	--	--
FEB										
27...	<.02	<.034	<.02	<.005	<.002	<.07	<.009	63	23	15.6
MAY										
20...	<.02	<.034	<.02	<.005	<.002	<.07	<.009	62	48	11.2
AUG										
27...	<.02	<.034	<.02	<.005	<.002	<.07	<.009	23	21	3.1

Remark Codes Used in This report:
< -- Less than
E -- Estimated (see introductory text section titled "Long-Term Method Detection Levels and Laboratory Reporting Levels").
M -- Presence verified, not quantified

[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 methods.

09415510 PRESTON BIG SPRING NEAR PRESTON, NV

LOCATION.--Lat 38°55'38", long 115°04'55", in SE $^1/_4$ NE $^1/_4$ sec.2, T.12 N., R.61 E., White Pine County, Hydrologic Unit 15010011, 1.0 mi northwest of Preston.

DRAINAGE AREA--Indeterminate.

PERIOD OF RECORD.--May 1947, January, July, August 1982, October, November 1985, 1987-1999 (discharge measurements only), December 1982 to September 1985, February 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,700 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10 ft^3/s, April 8, 1999, gage height, 2.24 ft; minimum daily, 6.7 ft^3/s, several days March and April 1984.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9.0 ft^3/s, August 13, gage height, 1.89 ft; minimum daily, 6.7 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	7.7	7.7	7.8	7.8	7.6	7.6	7.7	7.0	6.7	7.2	7.4	7.4
2	7.7	7.6	7.8	7.8	7.6	7.6	7.4	7.0	6.8	7.2	7.4	7.4
3	7.6	7.6	7.8	7.8	7.6	7.6	7.2	7.0	6.9	7.2	7.4	7.4
4	7.7	7.6	7.8	7.8	7.6	7.6	7.2	6.9	7.0	7.2	7.4	7.4
5	7.7	7.7	7.8	7.8	7.6	7.6	7.2	6.9	6.8	7.3	7.4	7.4
6	7.7	7.7	7.8	7.8	7.6	7.6	7.2	6.9	6.7	7.3	7.4	7.4
7	7.7	7.7	7.8	7.7	7.7	7.6	7.4	7.0	6.8	7.3	7.4	7.4
8	7.7	7.7	7.8	7.7	7.7	7.6	7.1	7.0	6.8	7.3	7.4	7.4
9	7.7	7.7	7.8	7.7	7.6	7.6	7.1	6.9	6.9	7.3	7.4	7.4
10	7.7	7.7	7.8	7.7	7.6	7.7	7.2	6.8	6.9	7.3	7.4	7.4
11	7.7	7.7	7.8	7.7	7.6	7.7	7.1	6.8	7.0	7.3	7.4	7.4
12	7.7	7.7	7.8	7.7	7.6	7.7	7.1	6.9	7.0	7.4	7.4	7.4
13	7.7	7.8	7.8	7.7	7.6	7.7	7.1	6.9	7.1	7.4	7.7	7.4
14	7.7	7.8	7.8	7.7	7.6	7.7	7.1	7.0	7.1	7.4	7.4	7.3
15	7.7	7.8	7.8	7.7	7.6	7.7	7.2	6.8	7.1	7.4	7.4	7.4
16	7.7	7.8	7.8	7.7	7.6	7.7	7.2	6.7	7.2	7.4	7.4	7.4
17	7.8	7.8	7.8	7.7	7.6	7.7	7.2	6.8	7.1	7.4	7.4	7.4
18	7.8	7.8	7.8	7.6	7.6	7.7	7.1	7.0	6.9	7.4	7.4	7.4
19	7.8	7.8	7.8	7.6	7.6	7.7	7.1	6.9	7.0	7.4	7.4	7.4
20	7.8	7.8	7.8	7.6	7.6	7.7	7.1	6.7	7.0	7.4	7.4	7.4
21	7.8	7.8	7.8	7.6	7.6	7.7	7.1	6.8	7.1	7.4	7.4	7.4
22	7.8	7.8	7.8	7.6	7.6	7.8	7.1	6.9	7.1	7.4	7.4	7.4
23	7.8	7.8	7.8	7.6	7.6	7.8	7.1	6.9	7.1	7.4	7.4	7.4
24	7.7	7.8	7.8	7.6	7.6	7.8	7.0	6.7	7.0	7.4	7.4	7.4
25	7.7	7.8	7.8	7.6	7.6	7.8	7.0	6.7	7.1	7.4	7.4	7.4
26	7.8	7.8	7.8	7.6	7.6	7.8	7.0	6.7	7.1	7.4	7.4	7.4
27	7.8	7.8	7.8	7.6	7.6	7.8	7.0	6.8	7.2	7.4	7.4	7.5
28	7.8	7.8	7.8	7.6	7.6	7.8	7.0	7.0	7.3	7.4	7.4	7.5
29	7.8	7.8	7.8	7.6	---	7.7	7.0	7.0	7.1	7.4	7.4	7.5
30	7.8	7.8	7.8	7.6	---	7.6	7.0	6.9	7.2	7.4	7.4	7.5
31	7.8	---	7.8	7.6	---	7.6	---	6.9	---	7.4	7.4	---
TOTAL	239.9	232.5	241.8	237.9	213.0	238.3	214.3	213.2	210.1	227.9	229.7	222.3
MEAN	7.74	7.75	7.80	7.67	7.61	7.69	7.14	6.88	7.00	7.35	7.41	7.41
MAX	7.8	7.8	7.8	7.8	7.7	7.8	7.7	7.0	7.3	7.4	7.7	7.5
MIN	7.6	7.6	7.8	7.6	7.6	7.6	7.0	6.7	6.7	7.2	7.4	7.3
AC-FT	476	461	480	472	422	473	425	423	417	452	456	441

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2002, BY WATER YEAR (WY)

MEAN	7.64	7.64	7.95	7.74	7.57	7.70	7.62	7.37	7.66	7.74	7.65	7.54
MAX	7.81	7.77	8.52	8.23	7.95	8.09	8.02	7.95	8.78	8.66	7.77	7.98
(WY)	1985	2001	1983	1983	1983	2000	1985	1985	1985	1985	1984	2000
MIN	7.32	7.34	7.26	6.96	6.99	6.83	6.89	6.88	7.00	7.35	7.41	7.22
(WY)	1984	1984	1984	1984	1984	1984	1984	2002	2002	2002	2002	1985

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1983 - 2002	
ANNUAL TOTAL	2808.9		2720.9			
ANNUAL MEAN	7.70		7.45		7.59	
HIGHEST ANNUAL MEAN					7.98	1985
LOWEST ANNUAL MEAN					7.24	1984
HIGHEST DAILY MEAN	8.2	Apr 22	7.8	Oct 17	9.2	Jun 25 1985
LOWEST DAILY MEAN	7.2	May 1	6.7	May 16	6.7	Mar 18 1984
ANNUAL SEVEN-DAY MINIMUM	7.3	May 8	6.8	May 20	6.7	Mar 30 1984
MAXIMUM PEAK FLOW			9.0	Aug 13	10	Apr 8 1999
MAXIMUM PEAK STAGE			1.89	Aug 13	2.24	Apr 2 2000
ANNUAL RUNOFF (AC-FT)	5570		5400		5500	
10 PERCENT EXCEEDS	7.9		7.8		8.1	
50 PERCENT EXCEEDS	7.7		7.6		7.6	
90 PERCENT EXCEEDS	7.5		7.0		7.0	

VIRGIN RIVER BASIN

09415550 WHITE RIVER NEAR LUND, NV

LOCATION.--Lat 38°38'17", long 115°05'32", in NE $^1/_4$ SE $^1/_4$ sec.14, T.9 N., R.61 E., Nye County, Hydrologic Unit 15010011, on right bank, 1 mi west of Hardy Springs, and 17 mi south of Lund.

DRAINAGE AREA.--703 mi^2.

PERIOD OF RECORD.--September 1990 to September 1994, December 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,300 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44 ft^3/s, March 3, 2000, gage height, 2.24 ft; no flow many days, most years.

EXTREMES FOR CURRENT YEAR.--No flow this 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	e0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MAX	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

MEAN	0.000	0.000	0.000	0.000	0.55	3.92	0.36	0.000	0.003	0.000	0.000	0.000
MAX	0.001	0.000	0.000	0.000	1.42	11.7	1.46	0.000	0.018	0.000	0.000	0.000
(WY)	2001	1991	1991	1991	2000	2000	1993	1991	1993	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)	1991	1991	1991	1991	1991	1994	1991	1991	1991	1991	1991	1991

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1990 - 2002	
ANNUAL TOTAL	17.46		0.00			
ANNUAL MEAN	0.048		0.000		0.29	
HIGHEST ANNUAL MEAN					1.00	1993
LOWEST ANNUAL MEAN					0.000	1994
HIGHEST DAILY MEAN	3.9	Apr 13	0.00	Oct 1	42	Mar 10 2000
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1 1990
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1 1990
MAXIMUM PEAK FLOW					44	Mar 3 2000
MAXIMUM PEAK STAGE					3.26	Mar 8 1993
ANNUAL RUNOFF (AC-FT)	35		0.00		209	
10 PERCENT EXCEEDS	0.00		0.00		0.00	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

VIRGIN RIVER BASIN

09415590 CRYSTAL SPRING NEAR HIKO, NV

LOCATION.--Lat 37°31'55", long 115°13'54", in SE $^1/_4$ NE $^1/_4$ sec.10, T.5 S., R.60 E., Lincoln County, Hydrologic Unit 15010011, on right bank, 75 ft south of State Highway 25, 200 ft southeast of junction of State Highway 38, and 4.5 mi south of Hiko.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--September 1985 to September 1988, March 1990 to September 1994, December 1998 to current year.

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 3,800 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Diversion for irrigation above station. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20 ft^3/s, June 29, 1999, gage height, 1.39 ft; minimum daily, 1.0 ft^3/s, September 24, 27, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17 ft^3/s, September 17, gage height, 1.25 ft; minimum daily, 4.4 ft^3/s, several days, February and March.

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	7.6	13	14	13	13	4.5	11	4.7	13	13	5.4
2	12	4.6	13	14	13	13	4.5	13	4.7	13	13	5.4
3	12	4.6	13	14	13	13	10	13	4.7	13	13	7.8
4	12	4.6	14	14	7.2	13	12	13	4.7	13	13	13
5	12	4.6	14	14	4.4	13	12	13	8.5	13	13	13
6	12	4.6	14	13	4.4	13	12	13	13	13	13	13
7	12	4.6	14	13	4.4	13	12	13	13	7.5	13	13
8	12	4.6	14	13	4.4	13	12	13	13	4.8	13	13
9	12	4.6	14	13	4.4	12	12	13	13	5.5	13	13
10	12	4.6	14	13	4.4	12	12	13	13	4.9	13	13
11	12	4.6	14	13	4.4	12	12	13	13	4.9	13	13
12	12	4.6	14	13	4.4	12	12	13	13	11	13	10
13	12	4.6	14	13	10	12	12	13	13	13	13	5.5
14	12	4.6	14	13	13	12	12	13	13	13	13	5.5
15	12	4.6	14	13	13	12	12	13	7.9	13	13	5.5
16	12	7.5	14	13	13	12	12	13	4.9	13	9.7	5.5
17	12	13	14	13	13	12	12	13	4.8	13	5.2	11
18	12	13	14	13	13	12	13	13	4.7	13	5.2	13
19	12	13	14	13	13	12	13	13	4.7	13	5.2	13
20	12	13	14	13	13	12	13	13	4.7	9.5	5.3	13
21	12	13	14	13	13	12	13	13	4.7	5.0	11	13
22	12	13	14	13	13	12	13	13	11	5.0	13	13
23	12	13	14	13	13	12	13	13	9.6	5.0	13	13
24	12	13	14	13	13	12	8.3	13	5.8	5.0	13	13
25	12	13	14	13	13	12	4.9	13	13	11	13	13
26	12	12	14	13	13	12	4.7	13	13	13	13	13
27	12	13	14	13	13	6.9	4.6	13	13	13	13	13
28	12	13	14	13	13	4.4	4.6	10	13	13	13	13
29	12	13	14	13	---	4.4	4.6	4.7	13	13	12	13
30	12	13	14	13	---	4.4	4.7	4.7	13	13	5.4	13
31	12	---	14	13	---	4.4	---	4.7	---	13	5.4	---
TOTAL	372	260.5	431	408	286.4	344.5	301.4	373.1	285.1	326.1	350.4	334.6
MEAN	12.0	8.68	13.9	13.2	10.2	11.1	10.0	12.0	9.50	10.5	11.3	11.2
MAX	12	13	14	14	13	13	13	13	13	13	13	13
MIN	12	4.6	13	13	4.4	4.4	4.5	4.7	4.7	4.8	5.2	5.4
AC-FT	738	517	855	809	568	683	598	740	565	647	695	664

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

MEAN	9.47	10.3	10.8	11.1	10.4	9.78	9.74	9.77	8.45	9.18	9.47	9.52
MAX	12.0	13.0	13.9	13.2	12.7	13.0	12.8	12.0	10.8	11.9	11.3	11.7
(WY)	1991	2001	2002	2002	1994	2000	2001	2002	1994	2001	2002	1986
MIN	5.73	7.21	7.85	8.49	8.33	7.60	6.79	7.60	4.96	5.70	7.45	4.85
(WY)	1992	1987	1991	1992	1992	1992	1992	1993	1992	1992	1988	1991

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1985 - 2002		
ANNUAL TOTAL	4171.2		4073.1				
ANNUAL MEAN	11.4		11.2		9.84		
HIGHEST ANNUAL MEAN					11.6		2001
LOWEST ANNUAL MEAN					7.29		1992
HIGHEST DAILY MEAN	14	Jun 27	14	Dec 4	14	Jun 27	2001
LOWEST DAILY MEAN	3.2	May 30	4.4	Feb 5	1.0	Sep 24	1991
ANNUAL SEVEN-DAY MINIMUM	4.0	May 29	4.4	Feb 5	1.5	Jun 13	1991
MAXIMUM PEAK FLOW			17	Sep 17	20	Sep 17	2002
MAXIMUM PEAK STAGE			1.25	Sep 17	1.39	Jun 29	1999
ANNUAL RUNOFF (AC-FT)	8270		8080		7130		
10 PERCENT EXCEEDS	14		13		13		
50 PERCENT EXCEEDS	13		13		11		
90 PERCENT EXCEEDS	4.6		4.7		4.1		

09415640 ASH SPRINGS CREEK BELOW HIGHWAY 93 AT ASH SPRINGS, NV

LOCATION.--Lat 37°27'37", long 115°11'37", in NE $^1/_4$ NE $^1/_4$ sec.1, T.6 S., R.60 E., Lincoln County, Hydrologic Unit 15010011, on left bank, downstream of culvert at US Highway 93 and .2 mi southeast of Ash Springs.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,589.94 ft above NAVD88.

REMARKS.--No estimated daily discharges. Records fair. Diversion for irrigation above station. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27 ft^3/s, July 13, 2000, gage height, 4.57 ft; minimum daily, 7.2 ft^3/s, May 18, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 20 ft^3/s, February 11, gage height, 4.15 ft; minimum daily, 7.2 ft^3/s, May 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	14	15	15	13	11	16	15	14	14	13	15	11
2	15	15	14	13	10	16	15	14	14	12	15	11
3	15	15	13	13	11	15	16	13	13	14	15	14
4	15	14	13	13	11	15	14	14	13	15	15	16
5	15	15	13	13	11	15	15	13	13	15	15	16
6	15	15	14	14	11	15	14	13	15	15	15	15
7	15	14	13	14	11	16	14	13	14	15	15	15
8	14	15	14	14	10	16	14	14	15	16	15	15
9	14	15	14	13	10	16	14	14	17	16	15	15
10	15	15	14	14	11	16	14	14	17	16	15	15
11	15	15	14	14	13	16	14	13	16	16	12	15
12	15	15	14	13	15	15	14	14	16	15	12	15
13	14	15	14	14	15	15	12	13	16	15	15	15
14	15	15	14	14	16	15	9.0	13	17	15	15	15
15	15	14	14	14	16	14	8.3	13	16	15	15	15
16	14	14	14	14	16	12	10	13	16	15	15	15
17	15	14	13	13	16	10	15	11	13	15	15	15
18	14	14	13	12	16	11	14	7.2	13	13	15	15
19	13	14	13	12	16	11	14	12	16	11	15	15
20	11	15	13	11	16	11	14	14	15	11	15	15
21	11	15	13	11	16	11	14	14	15	11	15	15
22	11	15	14	11	16	11	14	14	16	11	15	15
23	11	15	14	11	16	13	13	14	15	11	15	15
24	11	15	14	11	16	15	13	14	15	11	15	15
25	10	15	14	11	17	15	13	15	15	11	15	14
26	11	15	14	11	16	15	13	16	15	11	15	14
27	11	15	14	11	17	15	14	16	15	12	15	13
28	10	15	13	10	17	15	13	15	15	15	15	11
29	12	15	13	11	---	15	13	15	15	15	15	11
30	15	15	13	11	---	15	13	14	15	15	14	12
31	15	---	14	10	---	15	---	14	---	15	11	---
TOTAL	416	443	423	384	393	441	402.3	420.2	450	426	454	428
MEAN	13.4	14.8	13.6	12.4	14.0	14.2	13.4	13.6	15.0	13.7	14.6	14.3
MAX	15	15	15	14	17	16	16	16	17	16	15	16
MIN	10	14	13	10	10	10	8.3	7.2	13	11	11	11
AC-FT	825	879	839	762	780	875	798	833	893	845	901	849

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

MEAN	14.9	14.4	13.6	13.6	15.0	14.9	14.4	14.5	15.2	14.9	15.0	15.4
MAX	16.3	14.8	13.8	15.2	16.2	15.6	15.5	16.4	16.8	16.0	15.8	16.4
(WY)	2001	2002	2000	2001	2001	1999	2001	2001	2001	2000	1999	2000
MIN	13.4	13.7	13.3	12.4	14.0	14.2	13.4	13.3	13.7	13.7	14.3	14.3
(WY)	2002	2000	2001	2002	2002	2002	2002	1999	1999	1999	2001	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1999 - 2002	
ANNUAL TOTAL	5538		5080.5			
ANNUAL MEAN	15.2		13.9		14.7	
HIGHEST ANNUAL MEAN					15.4	2001
LOWEST ANNUAL MEAN					13.9	2002
HIGHEST DAILY MEAN	18	May 28	17	Feb 25	18	May 28 2001
LOWEST DAILY MEAN	10	Oct 25	7.2	May 18	7.2	May 18 2002
ANNUAL SEVEN-DAY MINIMUM	11	Oct 22	11	Jan 27	11	Jan 27 2002
MAXIMUM PEAK FLOW			20	Feb 11	27	Jul 13 2000
MAXIMUM PEAK STAGE			4.15	Feb 11	4.57	Jul 13 2000
ANNUAL RUNOFF (AC-FT)	10980		10080		10640	
10 PERCENT EXCEEDS	17		16		17	
50 PERCENT EXCEEDS	15		14		15	
90 PERCENT EXCEEDS	14		11		12	

VIRGIN RIVER BASIN

09415900 MUDDY SPRING AT L.D.S FARM NEAR MOAPA, NV

LOCATION.--Lat 36°43'18", long 114°42'53", in SE $^1/_4$ NE $^1/_4$ sec.16, T.14 S., R.65 E., Clark County, Hydrologic Unit 15010012, on left bank, 0.1 mi downstream from L.D.S. mansion, and 6 mi northwest of Moapa.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1985 to September 1994, June 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,770 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Regulation for recreational purposes occurs 0.1 mi upstream. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41 ft^3/s, February 23, 2002, gage height, 2.18 ft; the gage was submerged by backwater and over bank flow from Muddy River on August 15, 1990, discharge and gage height unknown; minimum daily, 5.9 ft^3/s, May 10, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 41 ft^3/s, February 23, gage height, 2.18 ft; minimum daily, 7.6 ft^3/s, September 9, 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	8.3	8.4	8.4	8.6	8.5	8.8	8.2	8.3	7.8	8.3	8.8
2	8.3	8.3	8.4	8.4	8.6	8.8	8.2	8.3	8.6	8.2	9.0	7.7
3	7.9	8.7	8.6	8.4	9.0	8.7	8.5	8.2	8.0	8.3	9.0	8.1
4	8.2	8.3	8.4	8.4	8.1	8.2	8.5	8.3	8.3	8.2	8.9	8.1
5	8.2	8.0	8.4	8.4	8.5	8.6	8.5	8.3	8.3	8.2	8.9	8.1
6	8.1	8.4	8.4	8.4	8.5	8.5	8.5	8.3	8.3	8.2	8.9	8.1
7	8.1	8.3	8.4	8.4	8.4	8.6	8.8	8.3	8.3	8.6	8.9	9.1
8	8.2	8.3	8.8	8.4	8.4	8.5	8.1	8.3	8.3	7.9	8.9	8.8
9	8.2	8.3	8.6	8.4	8.4	8.6	8.4	8.2	8.6	8.2	8.9	7.6
10	8.2	8.3	8.1	8.4	8.4	8.6	8.4	8.3	8.0	8.2	7.7	8.1
11	8.2	8.7	8.4	8.4	8.4	e8.6	8.4	8.3	8.3	8.2	8.2	8.1
12	8.3	8.0	8.4	8.4	8.4	8.6	8.4	8.6	8.2	8.2	8.2	8.1
13	8.6	8.3	8.4	8.5	8.4	8.5	8.4	8.2	8.2	8.2	8.2	8.1
14	8.3	8.3	8.4	8.6	8.4	8.4	8.4	8.6	8.2	8.5	8.2	8.9
15	7.9	8.4	8.4	8.4	8.4	8.4	8.3	8.0	8.2	7.8	8.2	8.8
16	8.2	8.4	8.4	8.4	8.8	8.4	8.0	8.3	8.5	8.1	8.1	7.6
17	8.2	8.4	8.5	8.4	8.6	8.6	7.8	8.3	7.9	8.2	8.7	8.1
18	8.2	8.4	8.4	8.5	8.1	8.5	7.9	8.3	8.3	8.2	8.9	8.1
19	8.2	8.4	8.4	8.6	8.4	8.5	7.9	8.3	8.2	8.2	7.7	8.1
20	8.5	8.4	8.4	8.6	8.4	8.5	8.3	8.7	8.2	8.2	8.1	8.1
21	8.3	8.4	8.4	8.6	8.4	8.6	8.5	8.0	8.2	8.5	8.1	8.8
22	7.9	8.4	8.7	8.6	8.4	8.6	8.6	8.3	8.2	8.0	8.1	8.0
23	8.3	8.4	8.4	8.6	9.4	8.6	8.0	8.4	8.5	8.2	8.1	8.8
24	8.3	8.9	8.4	8.6	8.4	8.7	8.3	8.3	7.7	8.1	8.9	8.8
25	8.3	8.7	8.1	8.5	8.5	8.6	8.3	8.3	8.1	8.1	8.8	7.9
26	8.3	8.1	8.4	8.5	8.4	8.6	8.4	8.4	8.1	8.1	7.7	8.0
27	8.3	8.4	8.4	8.4	8.4	8.6	8.4	8.7	8.2	8.5	8.5	8.1
28	8.3	8.4	8.4	8.5	8.5	8.6	8.3	8.0	8.2	9.1	7.7	8.9
29	8.3	8.4	8.4	8.6	---	8.5	8.6	8.3	8.3	7.8	8.1	8.0
30	8.3	8.4	8.4	8.5	---	8.5	7.9	8.3	8.7	8.3	8.1	8.4
31	8.3	---	8.4	8.6	---	8.5	---	8.3	---	8.2	9.1	---
TOTAL	255.5	251.4	261.0	262.8	237.6	265.0	249.8	257.6	247.4	254.5	261.1	248.2
MEAN	8.24	8.38	8.42	8.48	8.49	8.55	8.33	8.31	8.25	8.21	8.42	8.27
MAX	8.6	8.9	8.8	8.6	9.4	8.8	8.8	8.7	8.7	9.1	9.1	9.1
MIN	7.9	8.0	8.1	8.4	8.1	8.2	7.8	8.0	7.7	7.8	7.7	7.6
AC-FT	507	499	518	521	471	526	495	511	491	505	518	492

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

MEAN	7.35	7.37	7.37	7.45	7.48	7.41	7.38	7.28	7.26	7.17	7.20	7.28
MAX	8.24	8.38	8.42	8.48	9.22	8.55	8.33	8.31	8.25	8.21	8.42	8.27
(WY)	2002	2002	2002	2002	1993	2002	2002	2002	2002	2002	2002	2002
MIN	6.77	6.92	6.70	6.91	6.85	6.71	6.96	6.69	6.64	6.43	6.58	6.57
(WY)	2001	2001	1991	2001	1991	1997	1997	1993	1993	1993	1993	1993

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1985 - 2002	
ANNUAL TOTAL	2676.8		3051.9			
ANNUAL MEAN	7.33		8.36		7.33	
HIGHEST ANNUAL MEAN					8.36	2002
LOWEST ANNUAL MEAN					6.96	1997
HIGHEST DAILY MEAN	8.9	Nov 24	9.4	Feb 23	10	Jan 25 1993
LOWEST DAILY MEAN	6.4	Apr 3	7.6	Sep 9	5.9	May 10 1993
ANNUAL SEVEN-DAY MINIMUM	6.8	Jan 2	8.1	Apr 14	6.2	May 5 1993
MAXIMUM PEAK FLOW			41	Feb 23	41	Feb 23 2002
MAXIMUM PEAK STAGE			2.18	Feb 23	2.18	Feb 23 2002
ANNUAL RUNOFF (AC-FT)	5310		6050		5310	
10 PERCENT EXCEEDS	8.4		8.7		8.1	
50 PERCENT EXCEEDS	7.0		8.4		7.2	
90 PERCENT EXCEEDS	6.9		8.1		6.8	

e Estimated

09415908 PEDERSON EAST SPRING NEAR MOAPA, NV

LOCATION.--Lat 36°42'35", long 114°42'54", in NE $^1/_4$ NE $^1/_4$ sec.21, T.14 S., R.65 E., Clark County, Hydrologic Unit 15010012, at U.S. Fish and Wildlife Station, 0.2 mi north of Battleship Wash, 2.0 mi west of State Highway 168, and 5.8 mi northwest of Moapa.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 2002 to current year.

GAGE.--Water-stage recorder and 45° V-notch weir. Elevation of gage is 1,800 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. See schematic diagram of Colorado River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 0.23 ft^3/s, May 21, June 1, 8, 23 and July 23,2002, gage height, 0.39 ft; minimum daily, 0.19 ft^3/s, many days, August and September 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during the period May to September, 0.23 ft^3/s, May 21, June 1, 8, 23 and July 23, gage height, 0.39 ft; minimum daily, 0.19 ft^3/s, many days.

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

1	---	---	---	---	---	---	---	---	0.22	0.22	0.21	0.19
2	---	---	---	---	---	---	---	---	0.22	0.22	0.21	0.20
3	---	---	---	---	---	---	---	---	0.22	0.22	0.21	0.20
4	---	---	---	---	---	---	---	---	0.22	0.22	0.21	0.21
5	---	---	---	---	---	---	---	---	0.21	0.22	0.21	0.20
6	---	---	---	---	---	---	---	---	0.21	0.22	0.21	0.21
7	---	---	---	---	---	---	---	---	0.22	0.22	0.21	0.21
8	---	---	---	---	---	---	---	---	0.22	0.22	0.21	0.21
9	---	---	---	---	---	---	---	---	0.21	0.22	0.21	0.20
10	---	---	---	---	---	---	---	0.22	0.21	0.22	0.21	0.20
11	---	---	---	---	---	---	---	0.21	0.21	0.22	0.21	0.20
12	---	---	---	---	---	---	---	0.21	0.21	0.22	0.21	0.21
13	---	---	---	---	---	---	---	0.21	0.21	0.22	0.21	0.20
14	---	---	---	---	---	---	---	0.22	0.21	0.22	0.21	0.20
15	---	---	---	---	---	---	---	0.22	0.21	0.21	0.21	0.20
16	---	---	---	---	---	---	---	0.22	0.21	0.21	0.20	0.21
17	---	---	---	---	---	---	---	0.22	0.21	0.22	0.21	0.21
18	---	---	---	---	---	---	---	0.22	0.21	0.22	0.21	0.20
19	---	---	---	---	---	---	---	0.22	0.22	0.22	0.21	0.19
20	---	---	---	---	---	---	---	0.22	0.22	0.22	0.21	0.19
21	---	---	---	---	---	---	---	0.22	0.22	0.21	0.21	0.19
22	---	---	---	---	---	---	---	0.22	0.22	0.22	0.21	0.19
23	---	---	---	---	---	---	---	0.22	0.22	0.22	0.20	0.19
24	---	---	---	---	---	---	---	0.22	0.22	0.22	0.21	0.19
25	---	---	---	---	---	---	---	0.22	0.22	0.22	0.20	0.19
26	---	---	---	---	---	---	---	0.22	0.22	0.22	0.20	0.19
27	---	---	---	---	---	---	---	0.22	0.22	0.21	0.21	0.19
28	---	---	---	---	---	---	---	0.22	0.22	0.21	0.20	0.19
29	---	---	---	---	---	---	---	0.21	0.22	0.21	0.19	0.19
30	---	---	---	---	---	---	---	0.21	0.22	0.21	0.19	0.19
31	---	---	---	---	---	---	---	0.22	---	0.21	0.19	---
TOTAL	---	---	---	---	---	---	---	---	6.48	6.74	6.40	5.94
MEAN	---	---	---	---	---	---	---	---	0.22	0.22	0.21	0.20
MAX	---	---	---	---	---	---	---	---	0.22	0.22	0.21	0.21
MIN	---	---	---	---	---	---	---	---	0.21	0.21	0.19	0.19
AC-FT	---	---	---	---	---	---	---	---	13	13	13	12

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

MEAN	---	---	---	---	---	---	---	---	0.22	0.22	0.21	0.20
MAX	---	---	---	---	---	---	---	---	0.22	0.22	0.21	0.20
(WY)	---	---	---	---	---	---	---	---	2002	2002	2002	2002
MIN	---	---	---	---	---	---	---	---	0.22	0.22	0.21	0.20
(WY)	---	---	---	---	---	---	---	---	2002	2002	2002	2002

VIRGIN RIVER BASIN

09415910 PEDERSON SPRING NEAR MOAPA, NV

LOCATION.--Lat 36°42'35", long 114°42'54", in NE $^1/_4$ NE $^1/_4$ sec.21, T.14 S., R.65 E., Clark County, Hydrologic Unit 15010012, at U.S. Fish and Wildlife Station, 0.2 mi north of Battleship Wash, 2.0 mi west of State Highway 168, and 5.8 mi northwest of Moapa.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1986 to September 1994, June 1996 to current year.

GAGE.--Water-stage recorder and 45° V-notch weir. Elevation of gage is 1,800 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Records subsequent to 1994 water year to 2001 water year, currently under revision due to changes in weir. See schematic diagram of Colorado River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 0.34 ft^3/s, August 30, 1992, gage height, 0.64 ft; minimum daily, 0.17 ft^3/s, many days, several years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 0.24 ft^3/s, April 26, May 10, 14; minimum daily, 0.17 ft^3/s, September 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	0.20	0.19	0.20	0.20	0.20	0.20	0.21	0.22	0.22	0.20	0.18	0.17
2	0.19	0.19	0.20	0.20	0.20	0.19	0.21	0.23	0.21	0.20	0.19	0.17
3	0.19	0.19	0.21	0.20	0.19	0.19	0.21	0.22	0.22	0.20	0.18	0.17
4	0.19	0.19	0.20	0.20	0.19	0.20	0.20	0.22	0.21	0.20	0.18	0.18
5	0.19	0.19	0.20	0.19	0.19	0.20	0.21	0.22	0.21	0.20	0.19	0.18
6	0.19	0.19	0.20	0.20	0.19	0.20	0.21	0.23	0.22	0.20	0.19	0.18
7	0.19	0.19	0.20	0.20	0.19	0.21	0.21	0.23	0.22	0.20	0.19	0.18
8	0.19	0.18	0.19	0.20	0.20	0.20	0.20	0.22	0.21	0.20	0.18	0.18
9	0.19	0.19	0.20	0.20	0.19	0.19	0.20	0.22	0.21	0.20	0.19	0.18
10	0.19	0.19	0.20	0.20	0.18	0.20	0.21	0.23	0.21	0.20	0.19	0.19
11	0.19	0.20	0.20	0.19	0.19	0.20	0.20	0.22	0.21	0.20	0.20	0.18
12	0.19	0.20	0.20	0.20	0.20	0.20	0.19	0.22	0.21	0.21	0.20	0.18
13	0.19	0.20	0.20	0.20	0.19	0.21	0.18	0.22	0.21	0.21	0.19	0.18
14	0.19	0.19	0.20	0.20	0.20	0.20	0.19	0.22	0.21	0.21	0.19	0.17
15	0.19	0.19	0.20	0.20	0.19	0.20	0.21	0.22	0.21	0.20	0.18	0.17
16	0.19	0.19	0.19	0.20	0.19	0.20	0.21	0.22	0.21	0.20	0.17	0.18
17	0.19	0.19	0.20	0.19	0.20	0.20	e0.21	0.22	0.21	0.20	0.17	0.18
18	0.19	0.19	0.20	0.20	0.21	0.19	0.19	0.22	0.21	0.20	0.17	0.18
19	0.19	0.19	0.20	0.20	0.20	0.19	0.20	0.22	0.21	0.20	0.17	0.17
20	0.20	0.19	0.20	0.20	0.20	0.19	0.21	0.22	0.21	0.19	0.17	0.18
21	0.20	0.20	0.20	0.20	0.19	0.20	0.19	0.21	0.21	0.19	0.17	0.18
22	0.20	0.20	0.20	0.20	0.19	0.20	0.19	0.21	0.20	0.19	0.17	0.17
23	0.20	0.20	0.20	0.19	0.20	0.20	0.20	0.22	0.21	0.19	0.17	0.18
24	0.19	0.20	0.20	0.19	0.19	0.20	0.21	0.22	0.21	0.20	0.18	0.18
25	0.19	0.20	0.20	0.20	0.19	0.19	0.22	0.22	0.21	0.19	0.18	0.18
26	0.19	0.20	0.20	0.20	0.19	0.19	0.22	0.22	0.21	0.19	0.18	0.18
27	0.19	0.20	0.20	0.20	0.20	0.20	0.22	0.22	0.21	0.19	0.18	0.18
28	0.19	0.20	0.20	0.20	0.21	0.20	0.22	0.21	0.20	0.19	0.18	0.18
29	0.19	0.20	0.20	0.20	---	0.20	0.22	0.21	0.20	0.18	0.18	0.18
30	0.19	0.20	0.20	0.20	---	0.20	0.22	0.21	0.20	0.19	0.18	0.18
31	0.19	---	0.20	0.19	---	0.20	---	0.22	---	0.18	0.17	---
TOTAL	5.94	5.82	6.19	6.14	5.45	6.14	6.17	6.81	6.30	6.10	5.61	5.34
MEAN	0.19	0.19	0.20	0.20	0.19	0.20	0.21	0.22	0.21	0.20	0.18	0.18
MAX	0.20	0.20	0.21	0.20	0.21	0.21	0.22	0.23	0.22	0.21	0.20	0.19
MIN	0.19	0.18	0.19	0.19	0.18	0.19	0.18	0.21	0.20	0.18	0.17	0.17
AC-FT	12	12	12	12	11	12	12	14	12	12	11	11

CAL YR 2001 TOTAL 75.13 MEAN 0.21 MAX 0.25 MIN 0.18 AC-FT 149
WTR YR 2002 TOTAL 72.01 MEAN 0.20 MAX 0.23 MIN 0.17 AC-FT 143

e Estimated

09415920 WARM SPRINGS WEST NEAR MOAPA, NV

LOCATION.--Lat 36°42'41", long 114°42'48", in SE $^1/_4$ SE $^1/_4$ sec.16, T.14 S., R.65 E., Clark County, Hydrologic Unit 15010012, on left bank, at U.S. Fish and Wildlife Station, 0.6 mi upstream from confluence with Muddy River, 1.9 mi west of State Highway 168, and 6.5 mi northwest of Moapa.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1985 to September 1994, June 1996 to current year.

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 1,770 ft above NGVD of 1929, from topographic map. At datum 0.38 ft higher prior to July 12, 1993.

REMARKS.--No estimated daily discharges. Records good. Diversion for irrigation and fish hatchery above station. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13 ft^3/s, May 15, 1990, gage height, 2.16 ft; minimum daily, 2.8 ft^3/s, September 28, 29, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4.1 ft^3/s, April 10, gage height, 1.02 ft; minimum daily, 3.5 ft^3/s, several days, 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	3.7	3.6	3.6	3.7	3.8	3.8	3.8	3.6	3.6	3.6	3.6	3.6
2	3.6	3.7	3.6	3.7	3.8	3.7	3.8	3.6	3.6	3.6	3.6	3.6
3	3.7	3.7	3.6	3.7	3.8	3.7	3.8	3.6	3.6	3.6	3.6	3.6
4	3.7	3.7	3.6	3.7	3.8	3.7	3.8	3.6	3.6	3.6	3.6	3.6
5	3.7	3.7	3.6	3.7	3.8	3.8	3.8	3.6	3.6	3.6	3.6	3.5
6	3.7	3.7	3.6	3.7	3.8	3.8	3.8	3.6	3.6	3.6	3.6	3.5
7	3.7	3.6	3.6	3.7	3.8	3.8	3.8	3.7	3.6	3.6	3.6	3.5
8	3.7	3.6	3.6	3.7	3.8	3.7	3.8	3.6	3.6	3.6	3.6	3.5
9	3.6	3.6	3.7	3.7	3.7	3.7	3.8	3.6	3.6	3.6	3.6	3.5
10	3.6	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.6	3.6	3.6	3.6
11	3.6	3.7	3.6	3.7	3.8	3.8	3.7	3.6	3.6	3.6	3.6	3.6
12	3.7	3.7	3.6	3.7	3.8	3.7	3.7	3.6	3.6	3.6	3.6	3.6
13	3.7	3.7	3.6	3.7	3.8	3.7	3.8	3.6	3.6	3.6	3.6	3.6
14	3.7	3.7	3.7	3.7	3.8	3.7	3.8	3.6	3.6	3.6	3.6	3.6
15	3.7	3.7	3.6	3.7	3.8	3.7	3.8	3.6	3.6	3.6	3.6	3.6
16	3.7	3.7	3.6	3.7	3.8	3.7	3.8	3.6	3.6	3.6	3.6	3.6
17	3.7	3.7	3.6	3.7	3.8	3.7	3.6	3.6	3.6	3.6	3.6	3.6
18	3.7	3.7	3.6	3.7	3.8	3.7	3.6	3.6	3.6	3.6	3.6	3.6
19	3.7	3.7	3.7	3.7	3.8	3.7	3.6	3.6	3.6	3.6	3.6	3.6
20	3.7	3.6	3.7	3.7	3.8	3.7	3.6	3.6	3.6	3.6	3.6	3.6
21	3.7	3.7	3.7	3.7	3.8	3.7	3.6	3.6	3.6	3.6	3.5	3.6
22	3.7	3.7	3.6	3.7	3.8	3.7	3.6	3.6	3.6	3.6	3.5	3.6
23	3.7	3.7	3.7	3.7	3.8	3.7	3.6	3.6	3.6	3.6	3.5	3.6
24	3.7	3.7	3.6	3.7	3.8	3.7	3.6	3.6	3.6	3.6	3.5	3.6
25	3.7	3.6	3.7	3.7	3.8	3.7	3.6	3.6	3.6	3.6	3.5	3.6
26	3.7	3.6	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.5	3.6
27	3.7	3.6	3.7	3.7	3.8	3.7	3.6	3.6	3.6	3.6	3.5	3.6
28	3.7	3.6	3.7	3.8	3.8	3.7	3.6	3.6	3.6	3.6	3.5	3.6
29	3.7	3.6	3.7	3.8	---	3.7	3.6	3.6	3.6	3.6	3.5	3.6
30	3.7	3.6	3.7	3.7	---	3.7	3.6	3.6	3.6	3.6	3.5	3.5
31	3.7	---	3.7	3.7	---	3.8	---	3.6	---	3.6	3.5	---
TOTAL	114.3	109.9	113.0	114.9	106.1	115.3	111.0	111.8	108.0	111.6	110.5	107.4
MEAN	3.69	3.66	3.65	3.71	3.79	3.72	3.70	3.61	3.60	3.60	3.56	3.58
MAX	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.7	3.6	3.6	3.6	3.6
MIN	3.6	3.6	3.6	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.5	3.5
AC-FT	227	218	224	228	210	229	220	222	214	221	219	213

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

MEAN	3.65	3.70	3.71	3.70	3.71	3.70	3.70	3.70	3.70	3.65	3.64	3.62
MAX	3.97	4.10	4.04	4.10	4.05	4.11	4.11	4.08	4.00	3.89	3.89	3.93
(WY)	1994	1994	1994	1994	1994	1998	1998	1998	1998	1998	1990	1998
MIN	3.20	3.37	3.34	3.30	3.31	3.23	3.14	3.12	3.20	3.19	3.17	3.29
(WY)	1993	1993	1986	1988	1986	1992	1992	1992	1992	1992	1992	1993

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1985 - 2002	
ANNUAL TOTAL	1358.6		1333.8			
ANNUAL MEAN	3.72		3.65		3.68	
HIGHEST ANNUAL MEAN					3.96	1998
LOWEST ANNUAL MEAN					3.38	1992
HIGHEST DAILY MEAN	3.8	Jan 1	3.8	Jan 28	4.4	Sep 11 1998
LOWEST DAILY MEAN	3.6	Oct 2	3.5	Aug 21	2.8	Sep 28 1993
ANNUAL SEVEN-DAY MINIMUM	3.6	Nov 25	3.5	Aug 21	3.0	May 12 1992
MAXIMUM PEAK FLOW			4.1	Apr 10	13	May 15 1990
MAXIMUM PEAK STAGE			1.02	Apr 10	2.16	May 15 1990
ANNUAL RUNOFF (AC-FT)	2690		2650		2670	
10 PERCENT EXCEEDS	3.8		3.8		4.0	
50 PERCENT EXCEEDS	3.7		3.6		3.7	
90 PERCENT EXCEEDS	3.7		3.6		3.4	

09415927 WARM SPRINGS CONFLUENCE AT IVERSON FLUME NEAR MOAPA, NV

LOCATION.--Lat 36°42'41.1", long 114°42'31.7", in SW $^1/_4$ SW $^1/_4$ sec.15, T.14 S., R.65 E., Clark County, Hydrologic Unit 15010012, on right bank, at U.S. Fish and Wildlife Station, 1.9 mi west of State Highway 168, and 6.5 mi northwest of Moapa.

DRAINAGE AREA.--Indeterminate.

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

GAGE.--Water-stage recorder. Elevation of gage is 1,780 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9.9 ft^3/s, May 29, 2002, gage height, 7.52 ft; minimum daily, 7.3 ft^3/s, several days, November and December 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9.9 ft^3/s, May 29, 2002, gage height, 7.52 ft; minimum daily, 7.3 ft^3/s, several days, November and December 2001.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.8	7.4	7.4	7.7	7.8	9.0	9.4	9.3	9.1	9.1	8.7	8.5
2	e7.8	7.4	7.5	7.7	7.8	9.0	9.3	9.2	9.2	9.1	8.6	8.5
3	e7.8	7.3	7.5	7.8	7.9	9.1	9.3	9.1	9.2	9.1	8.7	8.5
4	7.8	7.3	7.4	7.8	8.0	9.2	9.2	9.2	9.1	9.2	8.7	8.5
5	7.8	7.3	7.3	7.7	8.0	9.2	9.2	9.4	9.1	9.2	8.8	8.5
6	7.8	7.4	7.3	7.7	8.0	9.2	9.3	9.4	9.1	9.1	8.7	8.5
7	7.8	7.4	7.4	7.7	8.1	9.3	9.2	9.3	9.1	9.1	8.7	8.4
8	7.8	7.3	7.3	7.8	8.0	9.2	9.1	9.2	9.2	9.1	8.7	8.3
9	7.8	7.4	7.5	7.8	8.0	9.2	9.1	9.1	9.2	9.0	8.7	8.3
10	7.8	7.4	7.5	7.7	8.1	9.3	9.2	9.2	9.1	9.0	8.8	8.5
11	7.9	7.5	7.4	7.8	8.3	9.3	9.3	9.1	9.2	9.0	8.7	8.8
12	7.9	7.5	7.4	7.7	8.3	9.3	9.4	9.0	9.3	9.0	8.6	8.7
13	7.9	7.5	7.4	7.7	8.3	9.4	9.5	9.1	9.3	9.0	8.5	8.5
14	7.9	7.5	7.5	7.8	8.4	9.4	9.5	9.1	9.2	9.0	8.6	8.2
15	7.9	7.5	7.4	7.8	8.4	9.4	9.6	9.1	9.1	9.0	8.6	8.2
16	7.8	7.5	7.3	7.8	8.4	9.5	9.5	9.0	9.3	9.0	8.6	8.3
17	7.9	7.5	7.5	7.8	8.5	9.4	9.3	8.9	9.3	9.0	8.5	8.3
18	7.9	7.5	7.5	7.8	8.6	9.4	9.1	8.9	9.1	8.9	8.6	8.2
19	7.7	7.5	7.5	7.8	8.5	9.3	9.2	9.0	9.2	8.8	8.6	8.1
20	7.4	7.5	7.5	7.8	8.5	9.3	9.2	9.0	9.2	8.8	8.6	8.1
21	7.5	7.5	7.5	7.8	8.6	9.4	9.1	9.0	9.2	8.8	8.6	8.0
22	7.4	7.5	7.5	7.8	8.7	9.3	9.2	9.0	9.2	8.8	8.6	8.0
23	7.4	7.5	7.4	7.8	8.7	9.2	9.2	9.1	9.3	8.7	8.6	7.9
24	7.4	7.5	7.3	7.8	8.8	9.3	9.1	9.3	9.3	8.8	8.6	7.9
25	7.4	7.5	7.3	7.8	8.9	9.4	9.0	9.3	9.3	8.8	8.4	8.0
26	7.4	7.5	7.4	7.8	8.9	9.4	9.1	9.3	9.2	8.8	8.5	8.0
27	7.4	7.5	7.4	7.8	8.9	9.4	9.1	9.3	9.1	8.8	8.4	7.9
28	7.4	7.5	7.4	7.8	9.1	9.5	9.0	9.1	9.1	8.8	8.4	7.9
29	7.4	7.5	7.4	7.8	---	9.4	9.2	9.1	9.1	8.8	8.4	7.9
30	7.5	7.5	7.5	7.7	---	9.3	9.2	9.1	9.1	8.8	8.5	7.9
31	7.5	---	7.6	7.8	---	9.3	---	9.1	---	8.7	8.5	---
TOTAL	237.9	223.6	230.2	240.9	234.5	288.3	277.1	283.3	275.5	277.1	266.5	247.3
MEAN	7.67	7.45	7.43	7.77	8.38	9.30	9.24	9.14	9.18	8.94	8.60	8.24
MAX	7.9	7.5	7.6	7.8	9.1	9.5	9.6	9.4	9.3	9.2	8.8	8.8
MIN	7.4	7.3	7.3	7.7	7.8	9.0	9.0	8.9	9.1	8.7	8.4	7.9
AC-FT	472	444	457	478	465	572	550	562	546	550	529	491

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

MEAN	7.67	7.45	7.43	7.77	7.66	7.47	7.25	7.14	7.18	7.03	7.01	7.05
MAX	7.67	7.45	7.43	7.77	7.66	7.47	7.25	7.14	7.18	7.03	7.01	7.05
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002
MIN	7.67	7.45	7.43	7.77	7.66	7.47	7.25	7.14	7.18	7.03	7.01	7.05
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2002 WATER YEAR	
ANNUAL TOTAL	2679.8	
ANNUAL MEAN	7.34	
HIGHEST DAILY MEAN	7.9	Oct 11
LOWEST DAILY MEAN	6.8	Sep 23
ANNUAL SEVEN-DAY MINIMUM	6.9	Sep 21
MAXIMUM PEAK FLOW	9.9	May 29
MAXIMUM PEAK STAGE	7.52	May 29
ANNUAL RUNOFF (AC-FT)	5320	
10 PERCENT EXCEEDS	7.8	
50 PERCENT EXCEEDS	7.3	
90 PERCENT EXCEEDS	7.0	

e Estimated

VIRGIN RIVER BASIN

09416000 MUDDY RIVER NEAR MOAPA, NV

LOCATION.--Lat 36°42'40", long 114°41'40", in SE $^1/_4$ SE $^1/_4$ sec.15, T.14 S., R.65 E., Clark County, Hydrologic Unit 15010012, on left bank, 0.1 mi upstream from Battleship Wash, 0.8 mi downstream from Home Ranch, 5 mi northwest of Moapa, 9.5 mi upstream from Meadow Valley Wash, and 26 mi upstream from Lake Mead.

DRAINAGE AREA.--3,820 mi^2, approximately, of which about 40 mi^2 contributes directly to surface runoff.

PERIOD OF RECORD.--July 1913 to September 1915, April 1916 to September 1918, June 1928 to October 1931, April to July 1932, October 1944 to current year.

REVISED RECORDS.--WSP 1243: 1914 (M). WSP 1343: 1950 (M). WSP 1733: Drainage area.

GAGE.--Water-stage recorder and Cipolletti weir. Recording tipping bucket rain gage with 0.04 inch increment since December 1989. Elevation of gage is 1,710 ft above NGVD of 1929, from river-profile map. October 21, 1944, to September 30, 1948, water-stage recorder at datum 0.08 ft higher.

REMARKS.--No estimated daily discharges. Records good. Diversions for irrigation above station. Beginning October 1, 1976, records do not include part-time diversion about 100 ft upstream, for cooling of powerplants downstream. Normal flow originates from springs in reach 0.9 to 2.5 mi upstream from station. Flood peaks may be dampened by Arrow Canyon Dam. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,760 ft^3/s, August 16, 1990, gage height, 13.33 ft, on basis of slope-area measurement of peak flow; minimum daily, 19 ft^3/s, October 10, 1997. Maximum daily precipitation, 2.12 inches, September 11, 1998.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 60 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 14	2130	*47	*0.86				

Maximum daily precipitation, 0.88 in. Sep 11.

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	27	31	28	35	31	38	32	30	30	33	33
2	25	25	32	27	37	30	34	37	31	30	34	32
3	25	25	36	27	40	31	31	36	32	31	33	31
4	25	25	33	28	40	29	29	35	32	30	34	31
5	25	27	31	27	37	30	29	35	32	30	33	32
6	25	26	30	28	38	34	34	34	33	31	32	33
7	25	25	26	29	34	37	35	34	32	33	33	35
8	24	25	27	30	33	35	34	34	32	33	32	34
9	25	25	28	32	31	36	34	36	32	33	33	34
10	27	25	28	34	31	37	33	36	33	32	31	36
11	29	26	29	33	31	35	33	35	34	31	34	37
12	31	27	27	32	32	35	32	35	34	31	34	37
13	30	26	25	29	34	35	31	37	33	31	32	37
14	31	24	25	33	35	34	26	35	33	31	32	37
15	30	24	25	34	31	33	33	33	33	29	35	37
16	29	24	27	32	29	34	34	32	32	31	33	37
17	29	25	26	31	31	35	30	31	32	34	30	37
18	27	27	25	31	30	36	31	31	33	34	33	37
19	25	28	26	31	31	35	33	31	34	34	31	37
20	25	27	26	31	32	36	35	30	32	34	30	38
21	27	27	25	32	33	38	35	31	30	33	30	35
22	27	27	24	33	33	37	35	31	31	32	30	35
23	29	27	26	32	32	36	32	32	30	32	30	34
24	29	28	28	30	31	36	31	32	29	32	30	36
25	26	30	28	31	33	36	31	32	32	32	32	35
26	27	31	29	29	35	35	31	32	34	32	31	34
27	29	30	29	29	34	33	31	32	35	32	31	34
28	30	31	29	29	32	33	31	32	31	32	33	34
29	29	31	29	29	---	33	33	31	30	32	30	37
30	29	31	29	33	---	36	32	31	30	32	30	37
31	29	---	30	35	---	40	---	31	---	32	32	---
TOTAL	850	806	869	949	935	1071	971	1026	961	986	991	1053
MEAN	27.4	26.9	28.0	30.6	33.4	34.5	32.4	33.1	32.0	31.8	32.0	35.1
MAX	31	31	36	35	40	40	38	37	35	34	35	38
MIN	24	24	24	27	29	29	26	30	29	29	30	31
AC-FT	1690	1600	1720	1880	1850	2120	1930	2040	1910	1960	1970	2090
†	0.00	0.48	0.28	0.04	0.00	0.56	0.00	0.00	0.28	0.00	0.00	1.12

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

MEAN	40.1	42.3	43.6	44.4	44.6	43.7	41.7	41.3	39.0	38.7	39.6	40.6
MAX	61.9	61.6	54.9	55.4	58.6	53.5	52.4	48.5	46.1	56.5	61.1	91.2
(WY)	1973	1961	1960	1960	1914	1958	1965	1958	1957	1984	1990	1967
MIN	25.5	26.9	28.0	30.5	30.3	28.9	31.3	33.1	32.0	30.5	27.3	28.9
(WY)	1997	2002	2002	1997	1997	1999	1989	2002	2002	1978	1995	1996

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1913 - 2002	
ANNUAL TOTAL	11455		11466			
ANNUAL MEAN	31.4		31.4		41.5	
HIGHEST ANNUAL MEAN					49.6	1958
LOWEST ANNUAL MEAN					31.4	2002
HIGHEST DAILY MEAN	42	Mar 14	40	Feb 3	930	Aug 16 1990
LOWEST DAILY MEAN	24	Oct 8	24	Oct 8	19	Oct 10 1997
ANNUAL SEVEN-DAY MINIMUM	25	Oct 2	25	Oct 2	23	Oct 16 1995
MAXIMUM PEAK FLOW			47	Sep 14	5760	Aug 16 1990
MAXIMUM PEAK STAGE			0.86	Sep 14	13.33	Aug 16 1990
ANNUAL RUNOFF (AC-FT)	22720		22740		30100	
10 PERCENT EXCEEDS	36		36		49	
50 PERCENT EXCEEDS	31		32		42	
90 PERCENT EXCEEDS	26		26		32	

† Precipitation total, in inches

09418500 MEADOW VALLEY WASH NEAR CALIENTE, NV

LOCATION.--Lat 37°33'20", long 114°33'50", in SW $^1/_4$ NE $^1/_4$ sec.35, T.4 S., R.66 E., Lincoln County, Hydrologic Unit 15010013, on left bank, 0.5 mi east of Etna, 4.5 mi southwest of Caliente, and 6 mi downstream from Clover Creek.

DRAINAGE AREA.--1,670 mi^2.

PERIOD OF RECORD.--January 1951 to September 1960, November 1964 to September 1983, and October 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,200 ft above NGVD of 1929, by barometer. Prior to June 16, 1955, at site 1.8 mi downstream at different datum. Prior to October 29, 1998 at site 3.0 mi downstream at different datum.

REMARKS.--Records poor. Several diversions for irrigation above station. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 2,400 ft^3/s, March 5, 1978, gage height, 9.41 ft, from floodmarks; maximum gage height, 12.58 ft, March 28, 1998; no flow July 26-28, 1966, several days, May through September, 2002.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 5	1300	*4.1	*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	0.14	0.20	0.47	e1.5	e0.95	1.2	0.66	0.55	0.00	0.36	0.17	0.14
2	0.14	0.20	0.84	e1.4	e0.96	1.0	1.0	0.74	0.00	0.12	0.11	0.25
3	0.18	0.20	1.5	e1.5	e0.97	0.99	0.89	0.61	0.10	0.01	0.04	0.29
4	0.20	0.20	3.1	e1.3	e0.97	e1.0	1.1	0.50	0.05	0.00	0.02	0.26
5	0.14	0.20	3.5	e1.3	e0.98	e1.1	1.2	0.39	0.25	0.00	0.02	0.10
6	0.14	0.20	2.4	e1.1	e0.99	e1.2	1.2	0.35	0.16	0.01	0.05	0.07
7	0.14	0.20	1.7	e1.0	e1.0	e1.3	0.68	0.35	0.05	0.01	0.05	0.04
8	0.14	0.41	1.4	e0.97	e1.0	e1.3	0.60	0.33	0.02	0.01	0.06	0.01
9	0.14	0.47	1.6	e0.95	e1.6	e1.2	0.73	0.30	0.02	0.00	0.07	0.00
10	0.14	0.43	1.8	e0.96	e1.4	e1.1	1.2	0.56	0.02	0.00	0.08	0.04
11	0.14	0.79	2.3	e0.96	e1.3	e1.1	1.3	0.90	0.02	0.00	0.06	0.10
12	0.14	1.2	2.4	e0.95	e1.2	e1.1	1.2	0.62	0.02	0.01	0.05	0.05
13	0.14	0.50	1.3	e0.95	e1.1	e1.1	0.49	0.40	0.02	0.01	0.05	0.00
14	0.20	0.40	1.2	e0.98	e1.0	0.99	0.40	0.31	0.02	0.00	0.05	0.05
15	0.20	0.40	1.1	e0.97	e1.3	e1.1	0.36	0.83	0.02	0.00	0.05	0.04
16	0.20	0.36	0.73	e0.95	e1.3	e1.1	0.26	0.69	0.03	0.00	0.06	0.03
17	0.20	0.35	0.65	e0.90	e1.3	e1.2	0.40	0.48	0.12	0.01	0.05	0.01
18	0.20	0.32	0.53	e0.86	e1.4	e1.2	0.38	0.28	0.03	0.02	0.12	0.01
19	0.16	0.30	0.48	0.76	e1.4	e1.2	0.48	0.51	0.06	0.01	0.34	0.00
20	0.14	0.29	0.52	e0.94	e1.4	e1.2	0.57	0.99	0.06	0.00	0.03	0.00
21	0.14	0.25	0.66	e0.95	e1.4	e1.1	0.60	0.79	0.04	0.00	0.00	0.00
22	0.14	0.24	0.79	e0.92	e1.4	e1.0	0.65	0.58	0.00	0.06	0.00	0.05
23	0.14	0.25	0.89	e0.89	e1.5	0.89	0.48	0.10	0.01	0.12	0.00	0.13
24	0.14	0.27	1.1	e0.89	e1.5	0.84	0.40	0.07	0.07	0.09	0.00	0.04
25	0.14	0.33	0.92	e0.93	e1.5	0.85	0.33	0.10	0.19	0.08	0.02	0.00
26	0.14	0.32	0.95	e0.97	1.6	0.65	0.40	0.12	0.23	0.07	0.14	0.17
27	0.17	0.32	1.2	e0.96	1.5	0.62	0.45	0.30	0.32	0.03	0.17	0.45
28	0.19	0.28	e1.3	e0.96	1.5	0.50	0.47	0.13	0.39	0.07	0.21	0.54
29	0.14	0.30	e1.5	e0.98	---	0.62	0.52	0.01	0.34	0.05	0.18	0.47
30	0.19	0.37	e1.8	e0.97	---	0.71	0.51	0.00	0.30	0.03	0.17	0.11
31	0.20	---	e1.7	e0.97	---	0.70	---	0.00	---	0.08	0.09	---
TOTAL	4.95	10.55	42.33	31.59	35.42	31.16	19.91	12.89	2.96	1.26	2.51	3.45
MEAN	0.16	0.35	1.37	1.02	1.26	1.01	0.66	0.42	0.099	0.041	0.081	0.12
MAX	0.20	1.2	3.5	1.5	1.6	1.3	1.3	0.99	0.39	0.36	0.34	0.54
MIN	0.14	0.20	0.47	0.76	0.95	0.50	0.26	0.00	0.00	0.00	0.00	0.00
AC-FT	9.8	21	84	63	70	62	39	26	5.9	2.5	5.0	6.8

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2002, BY WATER YEAR (WY)

MEAN	2.87	4.36	7.15	13.0	27.6	34.9	16.9	5.96	3.05	2.79	4.89	2.70
MAX	12.6	12.7	27.7	127	297	280	160	28.9	11.5	13.9	44.4	16.8
(WY)	1973	1958	1952	1993	1993	1978	1969	1998	1956	1956	1955	1998
MIN	0.16	0.35	1.37	1.02	1.26	1.01	0.66	0.42	0.099	0.041	0.081	0.11
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1951 - 2002	
ANNUAL TOTAL	1116.33		198.98			
ANNUAL MEAN	3.06		0.55		10.7	
HIGHEST ANNUAL MEAN					61.5	1993
LOWEST ANNUAL MEAN					0.55	2002
HIGHEST DAILY MEAN	37	Mar 10	3.5	Dec 5	1480	Mar 5 1978
LOWEST DAILY MEAN	0.00	Jun 8	0.00	May 30	0.00	Jul 26 1966
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 8	0.00	Jul 9	0.00	Jul 11 2000
MAXIMUM PEAK FLOW			4.1	Dec 5	2400	Mar 5 1978
MAXIMUM PEAK STAGE			4.13	Dec 5	12.58	Mar 28 1998
ANNUAL RUNOFF (AC-FT)	2210		395		7740	
10 PERCENT EXCEEDS	9.0		1.3		16	
50 PERCENT EXCEEDS	0.52		0.35		3.4	
90 PERCENT EXCEEDS	0.08		0.01		1.2	

e Estimated

VIRGIN RIVER BASIN

09418700 MEADOW VALLEY WASH NEAR ROX, NV

LOCATION.--Lat 36°52'09", long 114°39'53", in NW $^1/_4$ NW $^1/_4$ sec.25, T.12 S., R.65 E., Lincoln County, Hydrologic Unit 15010013, on right bank, downstream side of service road wingwall, 0.5 mi south of Rox , and 4.1 mi north of Farrier.

DRAINAGE AREA.--2,384 mi^2.

PERIOD OF RECORD.--February 1987 to September 1994, October 2001 to September 2002.

GAGE.--Water-stage recorder. Elevation of gage is 1,855 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Several diversions for irrigation above station. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,620 ft^3/s, February 10, 1993, gage height, 7.02 ft; minimum daily, 0.14 ft^3/s August 9, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2.5 ft^3/s, March 7, gage height, 2.05 ft; minimum daily, 0.23 ft^3/s August 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.55	1.8	1.2	1.2	1.5	1.9	2.1	1.2	0.89	0.46	0.26	0.32
2	0.57	1.9	1.2	1.2	1.5	1.8	1.9	1.3	0.87	0.47	0.26	0.31
3	0.60	1.9	1.2	1.2	1.5	1.8	1.8	1.2	0.89	0.47	0.26	0.30
4	0.64	1.8	1.2	1.2	1.5	1.9	1.8	1.2	0.89	0.46	0.26	0.30
5	0.66	1.9	1.2	1.2	1.5	1.8	1.8	1.2	0.85	0.46	0.28	0.33
6	0.69	1.9	1.2	1.3	1.5	1.8	1.9	1.1	0.62	0.43	0.30	0.36
7	0.74	1.9	1.2	1.3	1.5	2.0	1.9	1.1	0.51	0.42	0.30	0.38
8	0.81	1.6	1.2	1.3	1.5	1.8	1.9	1.1	0.51	0.41	0.30	0.41
9	0.83	1.5	1.2	1.4	1.5	1.7	1.7	1.1	0.53	0.38	0.30	0.41
10	0.83	1.6	1.2	1.3	1.5	1.7	1.6	1.1	0.56	0.39	0.29	0.41
11	0.92	1.6	1.2	1.3	1.5	1.7	1.4	1.1	0.58	0.41	0.28	0.46
12	0.97	1.6	1.2	1.4	1.5	1.7	1.5	1.1	0.61	0.40	0.27	0.46
13	1.0	1.6	1.2	1.4	1.5	1.9	1.5	1.1	0.61	0.37	0.25	0.45
14	0.99	1.6	1.3	1.4	1.5	1.7	1.5	1.1	0.61	0.36	0.24	0.43
15	1.0	1.5	1.3	1.4	1.5	1.8	1.4	1.1	0.60	0.36	0.24	0.42
16	1.1	1.6	1.2	1.4	1.5	1.9	1.6	1.1	0.57	0.37	0.23	0.43
17	1.1	1.6	1.3	1.4	1.6	1.8	1.6	0.93	0.57	0.40	0.24	0.45
18	1.1	1.6	1.3	1.4	1.6	1.9	1.3	0.93	0.55	0.40	0.24	0.48
19	1.1	1.5	1.3	1.4	1.6	1.6	1.4	0.93	0.56	0.37	0.24	0.48
20	1.2	1.6	1.4	1.5	1.7	1.7	1.5	0.94	0.50	0.36	0.26	0.48
21	1.2	1.6	1.4	1.5	1.6	1.8	1.3	1.0	0.51	0.35	0.26	0.48
22	1.3	1.5	1.3	1.5	1.6	1.8	1.2	1.0	0.54	0.32	0.26	0.45
23	1.3	1.2	1.4	1.5	1.8	1.9	1.2	1.0	0.54	0.29	0.26	0.44
24	1.3	1.2	1.3	1.4	1.7	2.0	1.1	1.0	0.52	0.29	0.29	0.43
25	1.4	1.2	1.3	1.5	1.7	1.9	1.2	0.97	0.52	0.29	0.28	0.42
26	1.4	1.2	1.3	1.6	1.7	1.9	1.2	0.97	0.52	0.27	0.28	0.42
27	1.5	1.2	1.2	1.6	1.8	2.1	1.3	0.96	0.50	0.27	0.28	0.43
28	1.6	1.2	1.2	1.6	2.1	2.1	1.2	1.00	0.49	0.28	0.29	0.45
29	1.6	1.3	1.2	1.6	---	2.2	1.2	1.00	0.49	0.29	0.29	0.46
30	1.7	1.2	1.2	1.5	---	2.1	1.2	0.96	0.47	0.28	0.31	0.47
31	1.8	---	1.2	1.5	---	2.1	---	0.92	---	0.27	0.32	---
TOTAL	33.50	46.4	38.7	43.4	44.5	57.8	45.2	32.71	17.98	11.35	8.42	12.52
MEAN	1.08	1.55	1.25	1.40	1.59	1.86	1.51	1.06	0.60	0.37	0.27	0.42
MAX	1.8	1.9	1.4	1.6	2.1	2.2	2.1	1.3	0.89	0.47	0.32	0.48
MIN	0.55	1.2	1.2	1.2	1.5	1.6	1.1	0.92	0.47	0.27	0.23	0.30
AC-FT	66	92	77	86	88	115	90	65	36	23	17	25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2002, BY WATER YEAR (WY)

MEAN	0.80	1.38	1.69	4.31	12.8	6.15	2.15	1.41	0.76	0.69	0.74	0.75
MAX	1.08	2.98	3.22	21.0	84.2	21.7	3.64	2.07	1.08	1.40	2.52	2.18
(WY)	2002	1988	1988	1993	1993	1992	1988	1989	1993	1992	1988	1990
MIN	0.66	0.95	1.25	1.32	1.42	1.38	1.00	0.79	0.48	0.27	0.27	0.37
(WY)	1992	1990	2002	1989	1990	1994	1994	1994	1994	1994	2002	1994

SUMMARY STATISTICS	FOR 2002 WATER YEAR		WATER YEARS 1987 - 2002	
ANNUAL TOTAL	392.48			
ANNUAL MEAN	1.08		2.80	
HIGHEST ANNUAL MEAN			10.8	1993
LOWEST ANNUAL MEAN			1.02	1994
HIGHEST DAILY MEAN	2.2	Mar 29	693	Feb 10 1993
LOWEST DAILY MEAN	0.23	Aug 16	0.14	Aug 9 1987
ANNUAL SEVEN-DAY MINIMUM	0.24	Aug 13	0.22	Jul 21 1990
MAXIMUM PEAK FLOW	2.5	Mar 7	1620	Feb 10 1993
MAXIMUM PEAK STAGE	2.05	Mar 7	7.02	Feb 10 1993
ANNUAL RUNOFF (AC-FT)	778		2030	
10 PERCENT EXCEEDS	1.8		2.9	
50 PERCENT EXCEEDS	1.2		1.2	
90 PERCENT EXCEEDS	0.30		0.44	

VIRGIN RIVER BASIN

09419000 MUDDY RIVER NEAR GLENDALE, NV

LOCATION.--Lat 36°38'35", long 114°32'20", in NE $^1/_4$ SW $^1/_4$ sec.7, T.15 S., R.67 E., Clark County, Hydrologic Unit 15010012, on left bank, at the Narrows, 150 ft downstream from Weiser Wash, 2 mi southeast of Glendale, 2.4 mi downstream from Meadow Valley Wash, 4.5 mi northwest of Logandale, and 16 mi upstream from Lake Mead.

DRAINAGE AREA.--6,780 mi^2, approximately, of which about 3,000 mi^2 contributes directly to surface runoff.

PERIOD OF RECORD.--January 1904 to December 1906 (gage heights only) and April to October 1910 (published as "near Moapa"), July 1913 to February 1914 (published as "near Logan"), February 1950 to September 1983, and October 1984 to current year.

REVISED RECORDS.--WSP 1243: 1906 (M). WSP 1733: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 1,460 ft above NGVD of 1929, from river-profile map. January 1, 1904, to December 31, 1906, non-recording gage just upstream at different datum. April 22, 1910, to February 21, 1914, non-recording gage and rating flume at lower end of the Narrows, 1.2 mi downstream at different datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,400 ft^3/s, August 10, 1981, gage height, 27.10 ft; minimum, 15 ft^3/s, October 10, 1997.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 30 ft, March 26, 1906 (datum then in use), discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge greater than base discharge of 210 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	1430	*48	*5.07				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	30	34	35	36	39	34	30	e28	e23	28	31
2	27	29	35	35	40	38	34	33	e28	e22	30	31
3	27	30	37	36	42	38	34	34	e28	e23	29	30
4	27	30	37	36	42	40	32	32	e29	21	26	30
5	28	32	35	34	41	40	32	31	e30	22	26	30
6	28	32	35	35	38	40	33	30	e29	23	25	29
7	28	32	35	38	37	41	33	31	e29	24	27	27
8	28	32	36	38	37	41	33	30	e28	25	27	27
9	28	31	36	40	37	40	32	31	e27	27	27	27
10	29	32	36	40	37	41	30	31	e27	27	26	28
11	31	32	35	39	38	41	29	32	e29	26	26	29
12	32	32	35	40	38	40	28	34	e27	25	26	32
13	32	31	34	38	40	39	27	35	e27	26	27	30
14	31	30	34	40	43	38	27	31	e27	27	26	30
15	30	30	34	38	41	38	28	30	e26	28	26	30
16	31	31	34	35	37	35	32	29	e26	29	26	29
17	30	32	33	35	37	35	30	30	e27	31	27	30
18	31	34	32	34	39	37	29	30	e28	32	28	29
19	28	34	32	36	38	37	30	30	e28	29	26	29
20	26	31	32	34	41	37	30	30	e27	29	27	32
21	26	31	32	34	42	39	31	30	e24	30	27	30
22	27	32	32	35	40	37	32	e31	e25	29	27	30
23	29	31	33	35	39	36	31	e30	e23	26	27	29
24	30	32	35	35	40	36	30	e30	e23	26	27	29
25	30	33	35	35	42	35	30	e31	e25	26	28	30
26	30	34	36	33	40	34	30	e31	e28	26	28	32
27	31	33	36	34	40	34	30	e31	e27	27	29	32
28	32	35	36	35	40	33	31	e31	e24	26	29	32
29	32	34	35	34	---	32	31	e30	e23	28	30	32
30	32	33	36	32	---	31	30	e30	e23	28	30	32
31	32	---	38	34	---	33	---	e29	---	27	30	---
TOTAL	911	955	1075	1112	1102	1155	923	958	800	818	848	898
MEAN	29.4	31.8	34.7	35.9	39.4	37.3	30.8	30.9	26.7	26.4	27.4	29.9
MAX	32	35	38	40	43	41	34	35	30	32	30	32
MIN	26	29	32	32	36	31	27	29	23	21	25	27
AC-FT	1810	1890	2130	2210	2190	2290	1830	1900	1590	1620	1680	1780

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2002, BY WATER YEAR (WY)

MEAN	37.4	44.7	44.9	47.6	54.9	53.6	43.0	38.1	33.7	32.9	40.1	41.4
MAX	61.0	209	58.0	98.0	230	237	100	48.0	50.6	51.5	136	225
(WY)	1973	1961	1961	1969	1993	1983	1969	1991	1965	1961	1981	1998
MIN	23.8	29.8	30.6	34.2	32.0	29.5	27.4	28.2	23.6	23.3	24.1	24.6
(WY)	1997	1996	1997	1998	1997	1989	1989	1997	1997	1990	2001	1996

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1950 - 2002	
ANNUAL TOTAL	11690		11555			
ANNUAL MEAN	32.0		31.7		42.6	
HIGHEST ANNUAL MEAN					60.7	1961
LOWEST ANNUAL MEAN					30.4	1997
HIGHEST DAILY MEAN	60	Mar 10	43	Feb 14	2990	Nov 6 1960
LOWEST DAILY MEAN	22	Aug 3	21	Jul 4	15	Oct 10 1997
ANNUAL SEVEN-DAY MINIMUM	23	Jul 28	22	Jun 29	18	Jul 23 1990
MAXIMUM PEAK FLOW			48	Feb 20	16400	Aug 10 1981
MAXIMUM PEAK STAGE			5.07	Feb 20	27.10	Aug 10 1981
INSTANTANEOUS LOW FLOW			19	Aug 21		
ANNUAL RUNOFF (AC-FT)	23190		22920		30870	
10 PERCENT EXCEEDS	39		38		51	
50 PERCENT EXCEEDS	32		31		38	
90 PERCENT EXCEEDS	24		26		28	

e Estimated

09419507 MUDDY RIVER AT LEWIS AVENUE AT OVERTON, NV

LOCATION.--Lat 36°32'07", long 114°25'42", in NE $^1/_4$ NW $^1/_4$ sec.19, T.16 S., R.68 E., Clark County, Hydrologic Unit 15010012, on left wing wall of upstream side of arched, concrete/corrugated-metal culvert on Lewis Avenue, .25 mi east of State Route 169, .05 mi upstream of Overton Wash, and 1.5 mi upstream from Lake Mead.

DRAINAGE AREA.--6,940 mi^2, of which approximately 3,240 mi^2 contributes directly to surface runoff.

PERIOD OF RECORD.--August 1997 to current year. Records for August and September 1997 available from Southern Nevada Water Authority.

REVISED RECORDS.--WDR NV-99-1: 1998.

GAGE.--Water-stage recorder. Elevation of gage is 1,251 ft above mean sea level, from gps static observation, using NAVD-88, by Southern Nevada Water Authority.

REMARKS.--Records good except for estimated daily discharges, which are poor. Discharge at gage is predominantly irrigation return flow. An irrigation diversion approximately 7 mi upstream of the gage diverts the entire base flow of the Muddy River. At discharges greater than 215 ft^3/s, flow can bypass the main channel immediately above the gage. See schematic diagram of Colorado River Basin.

COOPERATION.--Records were provided by Southern Nevada Water Authority and reviewed by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 1300 ft^3/s, September 12, 1998, gage height 9.88 ft; minimum daily, 3.1 ft^3/s, August 2, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 223 ft^3/s, July 17, gage height, 6.66 ft; minimum daily, 3.3 ft^3/s, July 9.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	6.7	8.3	8.6	13	e12	e9.1	7.8	9.3	3.6	5.5	16
2	9.1	8.8	9.3	8.5	13	e12	e9.0	13	6.1	3.9	8.6	12
3	6.6	7.4	8.4	9.0	14	e12	e8.9	7.7	8.3	3.9	8.0	12
4	8.1	9.4	9.9	7.6	14	e11	e8.8	5.7	6.8	5.7	5.5	11
5	9.9	8.7	10	8.8	e14	e11	e8.7	6.5	6.5	5.8	7.2	11
6	10	5.0	7.6	8.4	e14	e11	e8.6	10	5.4	4.9	7.0	11
7	11	4.0	7.0	8.2	e14	e11	e8.5	7.4	5.2	7.6	5.4	11
8	10	6.9	5.0	9.0	e14	e11	e8.5	5.9	11	4.1	7.6	11
9	8.1	9.8	6.4	10	e13	e11	e8.4	6.7	5.9	3.3	9.8	11
10	5.9	11	6.2	7.9	e13	e11	e8.3	8.6	4.6	4.2	8.9	11
11	7.2	8.6	7.7	8.5	e13	e11	8.2	6.1	5.4	9.8	11	13
12	13	6.6	10	9.5	e13	e11	11	8.7	4.7	11	10	20
13	12	7.2	7.2	9.1	e13	e11	11	14	5.7	6.4	9.0	21
14	14	9.1	8.3	8.2	e13	e11	12	12	4.7	4.1	7.4	25
15	17	7.7	10	8.9	e13	e11	10	9.0	7.0	3.4	6.6	25
16	14	8.5	8.3	12	e13	e10	6.5	7.1	6.3	3.5	8.9	20
17	9.7	6.5	6.6	14	e13	e10	6.2	11	5.3	14	7.5	19
18	8.6	5.4	5.9	11	e13	e10	8.0	5.9	8.7	13	8.6	17
19	10	12	6.1	11	e13	e10	7.8	8.5	8.1	12	9.1	15
20	8.1	11	6.6	11	e13	e10	7.2	8.6	9.3	5.6	11	15
21	10	7.0	6.7	12	e12	e10	11	9.0	7.4	8.8	8.3	14
22	13	6.0	6.7	12	e12	e9.9	10	13	5.8	8.3	9.0	14
23	7.9	8.5	6.7	12	e12	e9.8	8.8	13	9.4	5.8	8.7	15
24	7.7	9.2	6.9	11	e12	e9.8	7.0	7.8	5.5	4.0	12	15
25	5.9	11	7.5	12	e12	e9.7	6.4	9.8	3.6	3.3	9.7	14
26	9.7	6.7	9.7	12	e12	e9.6	6.0	7.0	5.4	e4.2	9.3	14
27	13	5.9	8.9	13	e12	e9.5	7.4	5.4	5.1	e4.4	9.8	13
28	8.1	8.4	8.1	12	e12	e9.4	9.3	6.5	4.9	4.8	9.4	12
29	8.0	7.2	9.7	12	---	e9.3	12	11	8.1	9.0	9.2	11
30	11	6.8	11	13	---	e9.2	6.3	13	8.0	5.2	12	14
31	6.5	---	10	12	---	e9.1	---	9.5	---	6.9	12	---
TOTAL	299.8	237.0	246.7	322.2	362	323.3	258.9	275.2	197.5	194.5	272.0	443
MEAN	9.67	7.90	7.96	10.4	12.9	10.4	8.63	8.88	6.58	6.27	8.77	14.8
MAX	17	12	11	14	14	12	12	14	11	14	12	25
MIN	5.9	4.0	5.0	7.6	12	9.1	6.0	5.4	3.6	3.3	5.4	11
AC-FT	595	470	489	639	718	641	514	546	392	386	540	879

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2002, BY WATER YEAR (WY)

MEAN	16.5	16.2	11.1	9.25	15.9	18.3	15.6	12.2	8.57	10.8	10.2	20.9
MAX	23.7	21.2	17.7	12.3	33.0	25.0	20.4	16.9	13.8	21.2	18.5	56.2
(WY)	1999	2000	1999	2000	1998	2000	1998	1999	1999	1998	2000	1998
MIN	9.67	7.90	7.96	7.23	9.65	10.4	8.63	8.88	6.58	5.87	6.26	7.33
(WY)	2002	2002	2002	2001	2001	2002	2002	2002	2002	2000	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1998 - 2002	
ANNUAL TOTAL	3724.1		3432.1			
ANNUAL MEAN	10.2		9.40		13.8	
HIGHEST ANNUAL MEAN					18.9	1998
LOWEST ANNUAL MEAN					9.40	2002
HIGHEST DAILY MEAN	35	Mar 15	25	Sep 14	630	Sep 12 1998
LOWEST DAILY MEAN	3.1	Aug 2	3.3	Jul 9	3.1	Aug 2 2001
ANNUAL SEVEN-DAY MINIMUM	4.0	Jan 28	5.0	Jul 22	4.0	Jan 28 2001
MAXIMUM PEAK FLOW			223	Jul 17	1300	Sep 12 1998
MAXIMUM PEAK STAGE			6.66	Jul 17	9.88	Sep 12 1998
ANNUAL RUNOFF (AC-FT)	7390		6810		9970	
10 PERCENT EXCEEDS	19		13		23	
50 PERCENT EXCEEDS	8.1		9.1		11	
90 PERCENT EXCEEDS	4.6		5.6		5.9	

e Estimated

09419547 BLUE POINT SPRINGS NEAR VALLEY OF FIRE STATE PARK, NV

LOCATION.--Lat 36°23'24", long 114°25'59", in NW $^1/_4$ NE $^1/_4$ sec.7, T.18 S., R.68 E., Clark County, Hydrologic Unit 15010005, on left bank, in Lake Mead National Recreation Area, about 4 mi east of Valley of Fire State Park, and 13 mi south of Overton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1998 to September 1999 (discharge measurements only); October 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,540 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 0.70 ft^3/s, October 16, 18, 19, 1999, gage height, 4.04 ft; minimum daily, 0.45 ft^3/s, March 8, 9, 2000, January 10 through February 3.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 0.64 ft^3/s, October 1-7, gage height, 3.99 ft; minimum daily, 0.45 ft^3/s, January 10 through February 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	0.64	0.54	0.54	0.47	0.45	0.49	0.53	0.54	0.47	0.47	0.47	e0.49
2	0.64	0.54	0.52	0.47	0.45	0.49	0.52	0.54	0.47	0.47	0.48	e0.49
3	0.63	0.54	0.52	0.47	0.45	0.49	0.52	0.54	0.47	0.48	0.48	e0.49
4	0.64	0.54	0.52	0.47	0.46	0.49	0.52	0.54	0.47	0.49	0.47	e0.49
5	0.64	0.54	0.52	0.47	0.47	0.49	0.52	0.54	0.47	0.49	0.47	e0.49
6	0.64	0.54	0.52	0.47	0.47	0.51	0.53	0.54	0.47	0.49	0.47	0.49
7	0.64	0.54	0.49	0.47	0.47	0.53	0.52	0.54	0.48	0.49	0.47	0.49
8	0.62	0.54	0.47	0.47	0.47	0.54	0.52	0.53	0.49	0.49	0.47	0.49
9	0.62	0.54	0.47	0.47	0.47	0.54	0.52	0.54	0.47	0.49	0.47	0.49
10	0.59	0.52	0.48	0.45	0.47	0.54	0.53	0.54	0.47	0.49	0.47	0.49
11	0.60	0.52	0.49	0.45	0.47	0.54	0.53	0.54	0.47	0.49	0.49	0.49
12	0.59	0.52	0.48	0.45	0.48	0.52	0.55	0.53	0.47	0.49	0.49	0.49
13	0.59	0.52	0.47	0.45	0.48	0.51	0.55	0.52	0.47	0.49	0.49	0.49
14	0.59	0.52	0.49	0.45	0.49	0.49	0.56	0.52	0.48	0.49	0.49	0.49
15	0.59	0.52	0.47	0.45	0.47	0.50	0.56	0.52	0.48	0.49	0.49	0.49
16	0.59	0.52	0.47	0.45	0.48	0.49	0.56	0.52	0.47	0.48	0.49	0.49
17	0.59	0.52	0.47	0.45	0.49	0.50	0.56	0.52	0.48	0.47	0.49	0.49
18	0.59	0.52	0.47	0.45	0.48	0.50	0.56	0.52	0.48	0.47	0.49	0.49
19	0.56	0.52	0.47	0.45	0.47	0.52	0.56	0.52	0.49	0.48	0.49	0.49
20	0.56	0.52	0.47	0.45	0.47	0.52	0.56	0.52	0.49	0.48	0.50	0.49
21	0.56	0.49	0.47	0.45	0.47	0.52	0.56	0.52	0.48	0.49	0.50	0.49
22	0.56	0.49	0.47	0.45	0.47	0.53	0.56	0.52	0.47	0.49	0.49	0.49
23	0.56	0.49	0.47	0.45	0.48	0.53	0.56	0.52	0.48	0.48	0.49	0.49
24	0.56	0.50	0.47	0.45	0.50	0.52	0.56	0.52	0.48	0.47	0.49	0.49
25	0.56	0.52	0.47	0.45	0.50	0.52	0.56	0.50	0.48	0.48	0.49	0.49
26	0.56	0.52	0.47	0.45	0.50	0.52	0.56	0.49	0.48	0.49	0.49	0.49
27	0.56	0.52	0.47	0.45	0.52	0.52	0.56	0.49	0.48	0.49	0.49	0.49
28	0.56	0.52	0.48	0.45	0.52	0.53	0.56	0.49	0.48	0.47	0.49	0.49
29	0.56	0.53	0.49	0.45	---	0.54	0.56	0.49	0.47	0.48	e0.49	0.49
30	0.54	0.54	0.49	0.45	---	0.54	0.55	0.49	0.48	0.47	e0.49	0.49
31	0.54	---	0.49	0.45	---	0.54	---	0.48	---	0.47	e0.49	---
TOTAL	18.27	15.70	15.04	14.13	13.37	16.01	16.37	16.13	14.29	14.96	15.03	14.70
MEAN	0.59	0.52	0.49	0.46	0.48	0.52	0.55	0.52	0.48	0.48	0.48	0.49
MAX	0.64	0.54	0.54	0.47	0.52	0.54	0.56	0.54	0.49	0.49	0.50	0.49
MIN	0.54	0.49	0.47	0.45	0.45	0.49	0.52	0.48	0.47	0.47	0.47	0.49
AC-FT	36	31	30	28	27	32	32	32	28	30	30	29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2002, BY WATER YEAR (WY)

MEAN	0.56	0.57	0.55	0.55	0.53	0.53	0.56	0.53	0.55	0.56	0.56	0.55
MAX	0.59	0.62	0.61	0.65	0.55	0.56	0.57	0.57	0.59	0.61	0.62	0.63
(WY)	2002	2000	2000	2000	2000	2001	2001	2001	2001	2001	2001	2001
MIN	0.52	0.52	0.49	0.46	0.48	0.51	0.55	0.50	0.48	0.48	0.48	0.49
(WY)	2001	2002	2002	2002	2002	2000	2002	2000	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 2000 - 2002	
ANNUAL TOTAL	208.07		184.00			
ANNUAL MEAN	0.57		0.50		0.55	
HIGHEST ANNUAL MEAN					0.57	2001
LOWEST ANNUAL MEAN					0.50	2002
HIGHEST DAILY MEAN	0.64	Sep 20	0.64	Oct 1	0.67	Oct 19 1999
LOWEST DAILY MEAN	0.47	Dec 8	0.45	Jan 10	0.45	Mar 8 2000
ANNUAL SEVEN-DAY MINIMUM	0.47	Dec 15	0.45	Jan 10	0.45	Jan 10 2002
MAXIMUM PEAK FLOW			0.64	Oct 1	0.70	Oct 16 1999
MAXIMUM PEAK STAGE			3.99	Oct 1	4.04	Oct 16 1999
ANNUAL RUNOFF (AC-FT)	413		365		398	
10 PERCENT EXCEEDS	0.62		0.56		0.62	
50 PERCENT EXCEEDS	0.56		0.49		0.56	
90 PERCENT EXCEEDS	0.52		0.47		0.48	

e Estimated

VIRGIN RIVER BASIN

09419550 ROGERS SPRING NEAR OVERTON BEACH, NV

LOCATION.--Lat 36°22'36", long 114°26'33", in SE $^1/_4$ SE $^1/_4$ sec.12, T.18 S., R.67 E., Clark County, Hydrologic Unit 15010005, on left bank, in Lake Mead National Recreation Area, 6.6 mi southwest of Overton Beach, and 14 mi south of Overton.

DRAINAGE AREA.--Indeterminate.

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

GAGE.--Water-stage recorder. Elevation of gage is 1,570 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Minor temporary regulation for recreation upstream. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26 ft^3/s, August 16, 1990, from rating curve extended above 2.2 ft^3/s, on basis of velocity-area study; minimum daily, 0.90 ft^3/s, August 25, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3.2 ft^3/s, June 9, gage height, 1.03 ft, result of recreational regulation at pool outlet above gage; minimum daily, 1.7 ft^3/s, most 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	1.7	1.8	1.7	1.7	e1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2	1.7	1.7	1.7	1.7	e1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
3	1.7	1.7	1.7	1.7	e1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
4	1.7	1.7	1.7	1.7	e1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7
5	1.7	1.8	1.7	1.7	e1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
6	1.7	1.7	1.7	1.7	e1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7
7	1.7	1.7	1.7	1.7	e1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
10	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7
11	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
12	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7
13	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
14	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
15	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
16	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
17	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
18	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
19	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
20	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
21	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
22	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
23	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
24	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
25	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
26	1.9	1.7	1.7	e1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
27	1.9	1.7	1.7	e1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
28	1.9	1.7	1.7	e1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
29	1.9	1.7	1.7	e1.7	---	1.7	1.7	1.7	1.7	1.7	1.7	1.7
30	1.8	1.7	1.7	e1.7	---	1.7	1.7	1.7	1.7	1.7	1.7	1.7
31	1.8	---	1.7	e1.7	---	1.7	---	1.7	---	1.7	1.7	---
TOTAL	55.9	51.2	52.7	52.7	47.7	53.1	51.0	52.7	51.0	52.7	52.7	51.0
MEAN	1.80	1.71	1.70	1.70	1.70	1.71	1.70	1.70	1.70	1.70	1.70	1.70
MAX	1.9	1.8	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7
MIN	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
AC-FT	111	102	105	105	95	105	101	105	101	105	105	101

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

MEAN	1.69	1.68	1.66	1.64	1.66	1.63	1.61	1.62	1.67	1.67	1.68	1.67
MAX	1.85	1.92	1.89	2.16	2.28	1.94	1.82	1.80	1.89	1.88	2.02	1.91
(WY)	2000	1991	1993	1993	1993	1993	2000	1995	1993	1993	1993	1993
MIN	1.54	1.55	1.43	1.27	1.23	1.25	1.22	1.37	1.46	1.38	1.35	1.46
(WY)	1996	1997	1997	1986	1992	1987	1987	1992	1992	1992	1992	1989

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1985 - 2002	
ANNUAL TOTAL	634.3		624.4			
ANNUAL MEAN	1.74		1.71		1.66	
HIGHEST ANNUAL MEAN					1.88	1993
LOWEST ANNUAL MEAN					1.47	1992
HIGHEST DAILY MEAN	1.9	Jul 11	1.9	Oct 16	2.8	Aug 16 1990
LOWEST DAILY MEAN	1.6	Aug 19	1.7	Oct 1	0.90	Aug 25 1992
ANNUAL SEVEN-DAY MINIMUM	1.7	Aug 14	1.7	Oct 1	1.1	Feb 25 1986
MAXIMUM PEAK FLOW			3.2	Jun 9	26	Aug 16 1990
MAXIMUM PEAK STAGE			1.03	Jun 9	3.31	Aug 16 1990
ANNUAL RUNOFF (AC-FT)	1260		1240		1200	
10 PERCENT EXCEEDS	1.8		1.7		1.8	
50 PERCENT EXCEEDS	1.7		1.7		1.7	
90 PERCENT EXCEEDS	1.7		1.7		1.5	

e Estimated

09419625 CORN CREEK SPRING AT NATIONAL FISH AND WILDLIFE HEADQUARTERS, NV

LOCATION.--Lat 36°26'20", long 115°21'26", in NW $^1/_4$ NE $^1/_4$ sec.34, T.17 S., R.59 E., Clark County, Hydrologic Unit 15010015, in Desert National Wildlife Range, on right bank, at National Fish and Wildlife Headquarters complex, 4 mi east of U. S. Highway 95, and 20 mi northwest of Las Vegas.

DRAINAGE AREA--Indeterminate.

PERIOD OF RECORD.--July 1985 to September 1994, January 1997 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,790 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1.10 ft^3/s, April 2, 1989, gage height, 1.44 ft; minimum daily, 0.24 ft^3/s, many days some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 0.41 ft^3/s, August 13, gage height, 1.30 ft, backwater from debris on weir; minimum daily, 0.36 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	0.36	0.36	0.36	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
2	0.36	0.36	0.37	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
3	0.36	0.36	0.36	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
4	0.36	0.36	0.38	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
5	0.36	0.36	0.38	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.38	0.39
6	0.36	0.36	0.38	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.38	0.39
7	0.36	0.36	0.39	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.38	0.39
8	0.36	0.36	0.39	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.38	0.39
9	0.37	0.36	0.39	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.38	0.39
10	0.38	0.36	0.39	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.38	0.39
11	0.38	0.36	0.39	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.38	0.39
12	0.37	0.36	0.39	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.38	0.39
13	0.36	0.37	0.39	0.37	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
14	0.36	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
15	0.36	0.36	0.39	0.37	0.39	0.39	0.39	0.39	0.39	0.39	0.38	0.39
16	0.36	0.36	0.39	0.37	0.39	0.39	0.38	0.39	0.39	0.39	0.38	0.39
17	0.36	0.36	0.39	0.38	0.39	0.39	0.38	0.39	0.39	0.39	0.38	0.39
18	0.36	0.36	0.39	0.37	0.39	0.39	0.38	0.39	0.39	0.39	0.38	0.39
19	0.36	0.36	0.39	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.38	0.39
20	0.36	0.38	0.39	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.38	0.39
21	0.36	0.38	0.39	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.38	0.39
22	0.36	0.39	0.39	0.36	0.38	0.39	0.39	0.39	0.39	0.39	0.38	0.39
23	0.36	0.39	0.39	0.36	0.38	0.39	0.39	0.39	0.39	0.39	0.38	0.39
24	0.36	0.39	0.39	0.37	0.38	0.39	0.39	0.39	0.39	0.39	0.39	0.39
25	0.36	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
26	0.36	0.36	0.39	0.39	0.38	0.39	0.39	0.39	0.39	0.39	0.39	0.39
27	0.36	0.36	0.39	0.39	0.38	0.39	0.39	0.39	0.39	0.39	0.39	0.39
28	0.36	0.36	0.39	0.38	0.39	0.39	0.39	0.38	0.39	0.39	0.39	0.39
29	0.36	0.36	0.39	0.39	---	0.39	0.39	0.39	0.39	0.39	0.39	0.39
30	0.36	0.36	0.39	0.38	---	0.39	0.39	0.39	0.39	0.39	0.39	0.39
31	0.36	---	0.38	0.39	---	0.39	---	0.39	---	0.39	0.39	---
TOTAL	11.22	10.94	11.97	11.45	10.87	12.09	11.67	12.08	11.70	12.09	11.92	11.70
MEAN	0.36	0.36	0.39	0.37	0.39	0.39	0.39	0.39	0.39	0.39	0.38	0.39
MAX	0.38	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
MIN	0.36	0.36	0.36	0.36	0.38	0.39	0.38	0.38	0.39	0.39	0.38	0.39
AC-FT	22	22	24	23	22	24	23	24	23	24	24	23

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

MEAN	0.30	0.30	0.31	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
MAX	0.36	0.36	0.39	0.37	0.39	0.39	0.39	0.39	0.39	0.39	0.38	0.39
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002
MIN	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.25	0.25
(WY)	1987	1987	1987	1987	1987	1987	1994	1987	1987	1987	1987	1987

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1985 - 2002	
ANNUAL TOTAL	128.82		139.70			
ANNUAL MEAN	0.35		0.38		0.30	
HIGHEST ANNUAL MEAN					0.38	2002
LOWEST ANNUAL MEAN					0.25	1987
HIGHEST DAILY MEAN	0.39	Nov 22	0.39	Nov 22	0.39	Oct 22 2000
LOWEST DAILY MEAN	0.32	Sep 4	0.36	Oct 1	0.24	Jul 14 1985
ANNUAL SEVEN-DAY MINIMUM	0.32	Sep 4	0.36	Oct 1	0.24	May 17 1987
MAXIMUM PEAK FLOW			0.41	Aug 13	1.1	Apr 2 1989
MAXIMUM PEAK STAGE			1.30	Aug 13	1.44	Apr 2 1989
ANNUAL RUNOFF (AC-FT)	256		277		217	
10 PERCENT EXCEEDS	0.37		0.39		0.36	
50 PERCENT EXCEEDS	0.35		0.39		0.28	
90 PERCENT EXCEEDS	0.34		0.36		0.25	

094196497 GOWAN DETENTION BASIN OUTLET NEAR NORTH LAS VEGAS, NV

LOCATION.--Lat 36°14'35", long 115°09'24", in SW $^1/_4$ NE $^1/_4$ sec.04, T.20 S., R.61 E., Clark County, Hydrologic Unit 15010015, on downstream side of concrete box culvert on Camino Al Norte Road, 0.3 mi northeast of Craig Road, and 3.8 mi north of North Las Vegas.

DRAINAGE AREA.--113.06 mi^2.

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

GAGE.--Water-stage recorder and recording tipping bucket rain gage with 0.04 inch increment. Elevation of gage is 2,060 ft above NGVD of 1929, from topographic map. Prior to October 1, 1995 at datum 9.0 ft lower.

REMARKS.--No estimated daily discharges. Records fair. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 644 ft^3/s, August 9, 1997, gage height, 10.33 ft, maximum gage height, 11.55 ft, July 8, 1999; no flow most of time. Maximum daily precipitation, 1.32 inches, July 8, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 33 ft^3/s, November 24, gage height, 10.23 ft; no flow most days. Maximum daily precipitation, 0.52 inches, February 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	0.02	0.14	0.04	0.04	0.02	0.03	0.02	0.00	0.02	0.02	0.05	0.02
2	0.03	0.10	0.08	0.03	0.01	0.01	0.02	0.00	0.02	0.02	0.02	0.03
3	0.04	0.01	0.10	0.04	0.03	0.01	0.02	0.00	0.04	0.03	0.03	0.02
4	0.03	0.07	0.05	0.00	0.01	0.01	0.02	0.00	0.01	0.03	0.01	0.03
5	0.05	0.15	0.10	0.01	0.29	0.02	0.02	0.01	0.03	0.02	0.01	0.15
6	0.00	0.13	0.11	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.07
7	0.06	0.14	0.02	0.02	0.01	0.02	0.02	0.02	0.00	0.02	0.02	0.03
8	0.07	0.10	0.00	0.06	0.01	0.00	0.01	0.01	0.02	0.02	0.01	0.02
9	0.04	0.00	0.04	0.10	0.01	0.00	0.01	0.02	0.01	0.03	0.01	0.03
10	0.03	0.00	0.10	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03
11	0.06	0.02	0.02	0.00	0.02	0.01	0.11	0.02	0.06	0.02	0.02	0.52
12	0.00	0.08	0.03	0.01	0.03	0.03	0.02	0.00	0.03	0.02	0.00	0.07
13	0.03	0.00	0.00	0.01	0.02	0.01	0.02	0.00	0.02	0.04	0.01	0.04
14	0.03	0.00	0.20	0.00	0.04	0.00	0.03	0.02	0.02	0.03	0.02	0.02
15	0.06	0.00	0.19	0.00	0.03	0.01	0.00	0.02	0.02	0.03	0.02	0.02
16	0.04	0.07	0.02	0.00	0.02	0.02	0.03	0.00	0.01	0.02	0.02	0.04
17	0.00	0.02	0.04	0.00	0.01	0.00	0.01	0.01	0.02	0.08	0.02	0.02
18	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.01	0.12	0.03	0.02
19	0.00	0.00	0.10	0.00	0.01	0.00	0.00	0.00	0.01	0.08	0.02	0.04
20	0.00	0.15	0.06	0.00	0.01	0.05	0.01	0.00	0.03	0.07	0.03	0.03
21	0.11	0.17	0.01	0.00	0.02	0.03	0.04	0.00	0.02	0.07	0.02	0.03
22	0.02	0.11	0.09	0.00	0.02	0.02	0.20	0.20	0.02	0.06	0.02	0.02
23	0.00	0.00	0.00	0.00	0.02	0.00	0.06	0.03	0.02	0.08	0.02	0.03
24	0.00	2.9	0.03	0.00	0.02	0.07	0.03	0.02	0.02	0.09	0.03	0.03
25	0.05	0.24	0.00	0.01	0.03	0.05	0.02	0.01	0.02	0.09	0.03	0.08
26	0.02	0.13	0.00	0.00	0.02	0.03	0.02	0.01	0.02	0.07	0.02	0.02
27	0.04	0.14	0.00	0.00	0.02	0.03	0.00	0.01	0.02	0.07	0.03	0.02
28	0.02	0.09	0.02	0.00	0.04	0.03	0.00	0.05	0.02	0.05	0.02	0.02
29	0.00	0.03	0.03	0.00	---	0.02	0.01	0.06	0.02	0.04	0.02	0.02
30	0.00	0.00	0.05	0.01	---	0.02	0.00	0.02	0.02	0.04	0.02	0.02
31	0.07	---	0.04	0.03	---	0.03	---	0.02	---	0.02	0.03	---
TOTAL	0.92	4.99	1.58	0.39	0.80	0.59	0.81	0.59	0.62	1.42	0.65	1.54
MEAN	0.030	0.17	0.051	0.013	0.029	0.019	0.027	0.019	0.021	0.046	0.021	0.051
MAX	0.11	2.9	0.20	0.10	0.29	0.07	0.20	0.20	0.06	0.12	0.05	0.52
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.02
AC-FT	1.8	9.9	3.1	0.8	1.6	1.2	1.6	1.2	1.2	2.8	1.3	3.1
†	0.00	0.20	0.04	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

MEAN	0.17	0.33	0.38	0.81	3.98	1.03	0.93	0.55	0.29	2.28	0.96	1.31
MAX	0.62	2.89	1.79	5.47	16.1	7.21	5.69	4.44	1.09	17.6	5.75	7.79
(WY)	2001	1997	1995	1995	1998	1998	1997	1997	1997	1999	2000	1998
MIN	0.000	0.000	0.000	0.000	0.022	0.000	0.000	0.000	0.000	0.000	0.012	0.000
(WY)	1992	1993	1994	1994	1999	1993	1992	1993	1993	1993	1993	1993

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1992 - 2002		
ANNUAL TOTAL	337.78		14.94				
ANNUAL MEAN	0.93		0.041		1.16		
HIGHEST ANNUAL MEAN					2.79		1998
LOWEST ANNUAL MEAN					0.041		2002
HIGHEST DAILY MEAN	162	Feb 28	2.9	Nov 24	290	Jul 9	1999
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 6	0.00	Oct 1	1991
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 16	0.00	Jan 14	0.00	Oct 1	1991
MAXIMUM PEAK FLOW			33	Nov 24	644	Aug 9	1997
MAXIMUM PEAK STAGE			10.23	Nov 24	11.55	Jul 8	1999
ANNUAL RUNOFF (AC-FT)	670		30		844		
10 PERCENT EXCEEDS	0.13		0.08		0.37		
50 PERCENT EXCEEDS	0.03		0.02		0.00		
90 PERCENT EXCEEDS	0.00		0.00		0.00		

† Precipitation total, in inches

094196557 LAS VEGAS CREEK AT MEADOWS DETENTION BASIN AT LAS VEGAS, NV

LOCATION.--Lat 36°10'30", long 115°10'50", in SE $^1/_4$ SW $^1/_4$ sec.29, T.20 S., R.61 E., Clark County, Hydrologic Unit 15010015, on right bank upstream of box culvert, 0.1 mi. downstream of Las Vegas Valley Water District reservoir, and 0.4 mi east of intersection of U.S. Highway 95 and Rancho Boulevard.

DRAINAGE AREA.--6.57 mi^2.

PERIOD OF RECORD.--March 1989 to March 20, 2002. Gage temporarily discontinued due to rehabilitation project on detention basin. Records prior to October 1993 not published but are available in files of U.S. Geological Survey.

REVISED RECORDS.-- WDR NV-99-1: 1996-98 (m).

GAGE.--Water-stage recorder and recording tipping bucket rain gage with 0.04 inch increment. Elevation of gage is 2,100 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 195 ft^3/s, July 15, 1996, gage height, 11.44 ft; maximum gage height, 11.76 ft., June 10, 1990; minimum daily, 0.02 ft^3/s, many days November 1997 to February 1998. Maximum daily precipitation, 1.72 inches, February 8, 1993

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period, October to March 20, 29 ft^3/s November 24, gage height, 10.60 ft; minimum daily, 0.15 ft^3/s, March 16-18. Maximum daily precipitation, 0.16 inches, November 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.47	0.61	0.42	0.28	0.49	1.00	---	---	---	---	---	---
2	0.29	0.65	0.31	0.28	0.46	0.70	---	---	---	---	---	---
3	0.45	0.55	0.43	0.29	0.53	0.64	---	---	---	---	---	---
4	0.42	0.48	0.42	0.47	0.72	6.4	---	---	---	---	---	---
5	0.41	0.51	0.31	0.29	0.55	10	---	---	---	---	---	---
6	0.45	0.53	0.31	0.27	0.57	8.1	---	---	---	---	---	---
7	0.43	0.58	0.31	0.34	0.57	4.1	---	---	---	---	---	---
8	0.41	0.55	0.31	0.45	0.58	0.38	---	---	---	---	---	---
9	0.41	0.50	0.31	0.46	0.64	0.31	---	---	---	---	---	---
10	0.34	0.61	0.36	0.45	0.58	0.31	---	---	---	---	---	---
11	0.31	0.58	0.30	0.45	0.88	0.31	---	---	---	---	---	---
12	0.31	0.55	0.26	0.45	0.99	0.31	---	---	---	---	---	---
13	0.56	0.45	0.31	0.47	0.68	2.4	---	---	---	---	---	---
14	0.34	1.1	1.1	0.45	0.76	0.21	---	---	---	---	---	---
15	0.41	0.92	0.26	0.45	0.75	0.19	---	---	---	---	---	---
16	0.42	0.44	0.20	0.45	0.72	0.15	---	---	---	---	---	---
17	0.55	0.45	0.25	0.45	0.69	0.15	---	---	---	---	---	---
18	0.52	0.48	0.20	0.90	0.65	0.15	---	---	---	---	---	---
19	0.54	0.47	0.20	0.46	0.65	0.19	---	---	---	---	---	---
20	0.54	0.47	0.20	0.44	0.76	---	---	---	---	---	---	---
21	0.53	0.47	0.26	0.49	0.65	---	---	---	---	---	---	---
22	0.53	0.46	0.22	0.46	1.0	---	---	---	---	---	---	---
23	0.53	0.46	0.80	0.48	0.67	---	---	---	---	---	---	---
24	0.48	3.9	0.31	0.45	0.66	---	---	---	---	---	---	---
25	0.50	1.1	0.31	0.44	0.70	---	---	---	---	---	---	---
26	0.47	0.53	0.31	0.46	0.64	---	---	---	---	---	---	---
27	0.54	0.46	0.31	0.46	0.73	---	---	---	---	---	---	---
28	0.62	0.46	0.32	0.46	0.68	---	---	---	---	---	---	---
29	0.74	0.45	0.22	0.47	---	---	---	---	---	---	---	---
30	0.59	0.45	0.28	0.49	---	---	---	---	---	---	---	---
31	0.60	---	0.30	0.47	---	---	---	---	---	---	---	---
TOTAL	14.71	20.22	10.41	13.68	18.95	---	---	---	---	---	---	---
MEAN	0.47	0.67	0.34	0.44	0.68	---	---	---	---	---	---	---
MAX	0.74	3.9	1.1	0.90	1.0	---	---	---	---	---	---	---
MIN	0.29	0.44	0.20	0.27	0.46	---	---	---	---	---	---	---
AC-FT	29	40	21	27	38	---	---	---	---	---	---	---
†	0.00	0.16	0.08	0.00	0.00	---	---	---	---	---	---	---

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

MEAN	0.50	0.53	0.49	0.73	1.19	0.90	0.64	0.94	0.94	1.22	0.93	0.88
MAX	1.35	1.43	2.01	4.46	3.64	2.15	1.79	3.16	2.63	6.17	2.97	3.43
(WY)	1994	1997	1995	1995	2001	1992	1996	1997	1997	1999	1997	1997
MIN	0.080	0.073	0.11	0.10	0.10	0.15	0.20	0.19	0.17	0.14	0.30	0.21
(WY)	1996	2001	2001	1994	1996	1999	1992	1999	1992	1992	1992	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		WATER YEARS 1989 - 2002	
ANNUAL TOTAL	282.04			
ANNUAL MEAN	0.77		0.83	
HIGHEST ANNUAL MEAN			1.41	1997
LOWEST ANNUAL MEAN			0.38	1991
HIGHEST DAILY MEAN	48	Feb 28	73	Jul 9 1999
LOWEST DAILY MEAN	0.09	Apr 8	0.02	Nov 28 1997
ANNUAL SEVEN-DAY MINIMUM	0.09	Jul 16	0.02	Nov 28 1997
MAXIMUM PEAK FLOW			195	Jul 15 1996
MAXIMUM PEAK STAGE			11.76	Jun 10 1990
ANNUAL RUNOFF (AC-FT)	559		603	
10 PERCENT EXCEEDS	0.69		1.4	
50 PERCENT EXCEEDS	0.29		0.31	
90 PERCENT EXCEEDS	0.10		0.10	

† Precipitation total, in inches

09419658 LAS VEGAS WASH NEAR SAHARA AVENUE NEAR LAS VEGAS, NV

LOCATION.--Lat 36°08'47", long 115°03'07", in SW $^1/_4$ SE $^1/_4$ sec.4, T.21 S., R.62 E., Clark County, Hydrologic Unit 15010015, on south side of golf cart bridge, 1,200 ft south at Sahara Avenue and 0.5 mi east of Nellis Boulevard.

DRAINAGE AREA.--1,146 mi^2.

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

GAGE.--Water-stage recorder and recording tipping bucket rain gage with 0.01 inch increment. Elevation of gage is 1,715 ft above NGVD of 1929, from topographic map. Prior to October 14, 1994, at site 1,200 ft upstream at same datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,100 ft^3/s, July 8, 1999, gage height, 13.69 ft; no flow many days, some years. Maximum daily precipitation, 1.56 inches, June 10, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 398 ft^3/s, November 24, gage height, 10.50 ft; minimum daily, 0.21 ft^3/s, March 2. Maximum daily precipitation, 0.18 inches, November 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	1.9	4.0	2.2	3.5	4.6	6.4	4.1	3.2	3.6	4.1	5.3
2	3.4	1.9	4.1	2.3	3.3	0.21	6.8	4.3	3.1	3.5	3.9	5.0
3	3.2	2.0	4.3	2.5	3.3	4.0	5.8	4.6	3.3	3.6	3.9	4.7
4	3.2	2.0	4.4	2.6	3.5	4.4	5.7	4.5	3.6	3.5	3.9	4.3
5	3.0	3.0	4.4	2.5	3.1	5.1	6.4	4.6	2.6	3.5	3.9	4.3
6	3.0	2.1	4.8	2.5	3.1	4.6	6.4	4.6	4.7	3.6	3.8	4.2
7	2.9	2.1	5.8	2.6	4.0	4.2	6.4	4.4	3.3	3.6	4.0	4.2
8	2.8	2.1	5.1	2.9	4.1	4.3	7.0	4.0	3.1	3.6	4.0	4.4
9	2.6	2.6	5.0	2.9	4.2	4.3	5.9	4.0	3.1	3.6	4.0	4.6
10	2.4	3.4	4.4	3.2	4.7	4.5	5.6	5.0	3.3	3.5	4.0	4.6
11	2.3	3.9	2.3	3.4	5.3	4.6	5.5	4.7	3.4	3.5	4.1	13
12	2.4	4.2	2.5	3.2	4.9	4.9	5.8	4.3	3.4	3.5	4.2	7.6
13	2.3	4.2	2.5	3.1	4.9	5.5	5.2	4.5	3.4	3.5	4.1	4.8
14	2.2	4.9	3.7	3.3	4.6	4.8	4.9	4.6	3.3	3.4	4.2	4.5
15	2.7	4.2	4.8	3.4	3.1	5.1	5.0	4.9	3.3	3.4	3.9	4.6
16	2.6	3.9	1.9	3.6	5.5	5.4	4.9	5.0	3.3	3.6	4.0	4.5
17	2.1	3.9	2.2	3.2	5.7	5.8	4.7	5.2	3.3	3.5	4.2	4.5
18	2.2	3.9	2.0	3.4	6.1	6.2	4.4	5.2	3.2	4.8	4.0	4.4
19	2.1	3.9	2.0	3.3	5.5	6.6	4.1	5.2	3.4	4.1	3.9	4.2
20	2.0	4.8	2.3	3.2	4.8	7.2	4.4	5.0	3.1	3.5	4.1	2.6
21	2.0	4.4	2.0	3.4	4.2	7.6	4.2	5.0	5.5	3.5	4.1	4.6
22	2.7	4.4	2.0	3.3	4.7	7.9	4.4	4.7	7.7	3.6	4.3	4.6
23	3.1	4.1	2.2	2.9	5.2	7.7	5.4	5.2	3.7	3.5	4.0	4.5
24	2.6	31	2.2	2.8	5.2	35	4.5	3.9	3.7	3.6	4.3	4.6
25	1.9	22	1.9	2.9	4.7	12	4.5	3.9	3.6	3.8	4.6	4.4
26	3.0	5.5	1.9	2.8	5.3	6.7	4.7	3.9	3.6	3.5	4.9	4.1
27	4.3	5.5	2.0	3.0	4.9	6.8	4.3	3.8	4.3	3.5	5.0	3.7
28	4.5	4.0	2.0	3.1	6.7	6.5	4.0	3.8	3.7	3.6	4.8	2.0
29	2.8	3.9	2.0	3.3	---	6.6	4.3	4.1	3.6	3.5	4.9	1.2
30	2.0	4.5	2.0	3.4	---	6.3	4.0	3.3	3.6	2.6	5.0	2.3
31	1.9	---	2.1	3.7	---	6.4	---	3.5	---	4.5	5.2	---
TOTAL	83.7	154.2	94.8	93.9	128.1	205.81	155.6	137.8	109.4	111.6	131.3	136.3
MEAN	2.70	5.14	3.06	3.03	4.58	6.64	5.19	4.45	3.65	3.60	4.24	4.54
MAX	4.5	31	5.8	3.7	6.7	35	7.0	5.2	7.7	4.8	5.2	13
MIN	1.9	1.9	1.9	2.2	3.1	0.21	4.0	3.3	2.6	2.6	3.8	1.2
AC-FT	166	306	188	186	254	408	309	273	217	221	260	270
†	0.00	0.22	0.02	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.06

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

MEAN	3.10	3.37	3.61	8.14	16.5	7.90	3.74	3.45	3.68	7.21	6.45	7.23
MAX	13.0	9.11	14.5	50.0	61.6	44.0	13.4	6.16	12.9	59.0	15.6	41.9
(WY)	1993	1997	1993	1995	2001	1992	1999	1989	1990	1999	1997	1997
MIN	0.73	0.18	0.016	0.000	0.77	0.94	0.85	1.33	0.74	0.74	1.01	0.96
(WY)	1990	1996	1996	1991	1996	1990	1996	1990	1989	1989	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1988 - 2002	
ANNUAL TOTAL	3419.66		1542.51			
ANNUAL MEAN	9.37		4.23		6.26	
HIGHEST ANNUAL MEAN					12.4	1998
LOWEST ANNUAL MEAN					1.44	1996
HIGHEST DAILY MEAN	789	Feb 28	35	Mar 24	948	Jul 8 1999
LOWEST DAILY MEAN	0.96	Feb 2	0.21	Mar 2	0.00	Dec 21 1990
ANNUAL SEVEN-DAY MINIMUM	1.1	Jan 30	2.0	Dec 25	0.00	Dec 21 1990
MAXIMUM PEAK FLOW			398	Nov 24	8100	Jul 8 1999
MAXIMUM PEAK STAGE			10.50	Nov 24	16.27	Jun 10 1990
INSTANTANEOUS LOW FLOW			0.00	Mar 2	0.00	Mar 2 2002
ANNUAL RUNOFF (AC-FT)	6780		3060		4540	
10 PERCENT EXCEEDS	7.2		5.5		6.0	
50 PERCENT EXCEEDS	3.7		4.0		1.9	
90 PERCENT EXCEEDS	2.0		2.3		0.67	

† Precipitation total, in inches

09419659 SLOAN CHANNEL TRIBUTARY AT LAS VEGAS BOULEVARD NEAR NORTH LAS VEGAS, NV

LOCATION.--Lat 36°13'46", long 115°04'45", in SE $^1/_4$ NW $^1/_4$ sec.08, T.20 S., R.62 E., Clark County, Hydrologic Unit 15010015, on downstream side of concrete box culvert on Las Vegas Boulevard, 0.25 mi east of Lamb Boulevard, and 3.2 mi northeast of North Las Vegas.

DRAINAGE AREA.--17.51 mi^2.

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

REVISED RECORDS.--WDR NV-98-1: 1994(M).

GAGE.--Water-stage recorder and recording tipping bucket rain gage with 0.04 inch increment. Elevation of gage is 1,850.03 ft above NAVD88.

REMARKS.--Records good. See schematic diagram of Colorado River Basin. Records prior to 1994 water year were not published but are available in files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 920 ft^3/s, September 11, 1998, gage height, 15.34 ft; no flow most days, most years. Maximum daily precipitation, 1.92 inches, September 11, 1998.

EXTREMES FOR CURRENT YEAR.--No flow this year. Maximum daily precipitation, 0.16 inches, September 11.

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MAX	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
†	0.00	0.12	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.16

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

MEAN	0.007	0.001	0.018	0.018	0.19	0.15	0.000	0.013	0.011	0.084	0.098	0.17
MAX	0.097	0.013	0.23	0.14	0.80	1.30	0.000	0.19	0.11	1.05	0.67	2.22
(WY)	1993	1997	1992	1995	1998	1992	1988	1989	1990	1999	1997	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)	1989	1989	1989	1989	1988	1988	1988	1988	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1988 - 2002	
ANNUAL TOTAL	14.44		0.00			
ANNUAL MEAN	0.040		0.000		0.066	
HIGHEST ANNUAL MEAN					0.26	1998
LOWEST ANNUAL MEAN					0.000	1996
HIGHEST DAILY MEAN	10	Feb 27	0.00	Oct 1	65	Sep 11 1998
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Jan 26 1988
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Jan 26 1988
MAXIMUM PEAK FLOW					920	Sep 11 1998
MAXIMUM PEAK STAGE					15.34	Sep 11 1998
ANNUAL RUNOFF (AC-FT)	29		0.00		48	
10 PERCENT EXCEEDS	0.00		0.00		0.00	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

† Precipitation total, in inches

09419665 SLOAN CHANNEL AT CHARLESTON BOULEVARD NEAR LAS VEGAS, NV

LOCATION.--Lat 36°09'35", long 115°02'40", in SE $^1/_4$ SE $^1/_4$ sec.33, T.20 S., R.62 E., Clark County, Hydrologic Unit 15010015, on upstream side of box culvert on Charleston Boulevard, and 1.0 mi east of Nellis Boulevard.

DRAINAGE AREA.--144 mi^2.

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

GAGE.--Water-stage recorder and recording tipping bucket rain gage with 0.04 inch increment. Elevation of gage is 1,730 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Prior to May 24, 2001 flows below 50 ft^3/s not recorded by gage. After May 24, 2001 all flows recorded by gage. Estimated daily discharges during periods of base flow are only an indication of some small amount of flow at site. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,230 ft^3/s, September 11, 1998, gage height, 11.41 ft; no flow at times, most years. Maximum daily precipitation, 1.72 inches, February 8, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 136 ft^3/s, September 11, gage height, 10.54 ft; minimum daily, 0.01 ft^3/s, July 12. Maximum daily precipitation, 0.24 inches, November 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.69	0.24	0.18	0.22	e0.22	0.21	0.16	0.22	e0.22	e0.22	0.05	0.18
2	0.63	0.24	0.18	0.22	e0.22	0.19	0.17	0.24	e0.22	e0.22	0.04	0.15
3	0.51	0.24	0.19	0.23	e0.22	0.21	0.20	0.24	e0.22	e0.22	0.04	0.18
4	0.41	0.22	0.16	0.24	e0.22	0.21	0.19	0.24	e0.22	e0.22	0.07	0.17
5	0.42	2.2	0.20	0.22	e0.22	0.21	0.19	0.25	e0.22	e0.22	0.06	0.19
6	0.43	0.21	0.22	0.23	e0.22	0.22	0.21	0.21	e0.22	0.12	0.04	0.19
7	0.29	0.27	0.27	0.21	e0.22	0.24	0.18	0.20	e0.22	0.16	0.06	0.18
8	0.29	0.25	0.29	0.17	e0.22	0.22	0.19	0.15	e0.22	0.09	0.19	0.15
9	0.27	0.28	0.26	0.20	e0.22	0.17	0.18	0.22	e0.22	0.06	0.06	0.16
10	0.27	0.31	0.29	0.19	e0.22	0.19	0.17	e0.22	e0.22	0.03	0.13	0.17
11	0.21	0.32	0.31	0.21	e0.22	0.20	0.19	0.26	e0.22	0.03	e0.10	9.8
12	0.20	0.32	0.31	0.31	0.25	0.20	0.19	e0.22	e0.22	0.01	e0.10	0.09
13	0.21	0.31	0.31	0.30	0.25	0.20	0.16	e0.22	e0.22	0.06	e0.10	0.11
14	0.17	0.32	0.33	0.16	0.23	0.22	0.19	0.18	e0.22	0.12	e0.10	0.12
15	0.16	0.31	0.19	0.17	0.26	0.22	0.21	0.15	e0.22	0.07	e0.10	0.10
16	0.22	0.31	0.22	0.16	0.25	0.21	0.22	e0.22	e0.22	0.38	e0.10	0.07
17	0.23	0.34	0.22	0.18	0.31	0.22	0.28	e0.22	e0.22	0.39	e0.10	0.08
18	0.23	0.30	0.22	0.17	0.26	0.19	0.22	e0.22	e0.22	0.60	e0.10	0.07
19	0.23	0.31	0.22	0.17	0.20	0.19	0.22	e0.22	e0.22	0.07	e0.10	0.07
20	0.22	0.31	0.22	0.16	0.21	0.20	0.22	e0.22	e0.22	0.05	e0.10	0.09
21	0.22	0.38	0.22	0.16	0.20	0.21	0.22	e0.22	e0.22	0.08	0.12	0.10
22	0.23	0.32	0.22	0.16	0.21	0.19	0.23	e0.22	e0.22	0.27	0.11	0.11
23	0.22	0.32	0.22	0.18	0.22	0.21	0.29	e0.22	e0.22	0.04	0.13	0.10
24	0.20	7.2	0.22	0.15	0.23	0.20	0.28	e0.22	e0.22	0.04	0.13	0.11
25	0.20	0.31	0.22	0.13	0.24	0.17	0.31	e0.22	e0.22	0.05	0.13	0.13
26	0.22	0.19	0.22	0.11	0.23	0.18	0.36	e0.22	e0.22	0.04	0.12	0.14
27	0.21	0.19	0.22	0.11	0.21	0.18	0.35	e0.22	e0.22	0.04	e0.10	0.12
28	0.21	0.20	0.22	0.11	0.21	0.19	0.24	e0.22	e0.22	0.04	e0.10	0.13
29	0.21	0.18	0.22	0.08	---	0.17	0.26	e0.22	e0.22	0.04	e0.10	0.14
30	0.22	0.17	0.22	0.07	---	0.16	0.27	e0.22	e0.22	0.03	e0.10	0.13
31	0.22	---	0.22	0.19	---	0.17	---	e0.22	---	0.04	e0.10	---
TOTAL	8.65	17.07	7.21	5.57	6.39	6.15	6.75	6.74	6.60	4.05	2.98	13.53
MEAN	0.28	0.57	0.23	0.18	0.23	0.20	0.23	0.22	0.22	0.13	0.096	0.45
MAX	0.69	7.2	0.33	0.31	0.31	0.24	0.36	0.26	0.22	0.60	0.19	9.8
MIN	0.16	0.17	0.16	0.07	0.20	0.16	0.16	0.15	0.22	0.01	0.04	0.07
AC-FT	17	34	14	11	13	12	13	13	13	8.0	5.9	27
†	0.04	0.28	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.20

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

MEAN	0.26	0.16	0.063	0.23	1.27	0.28	0.028	0.063	0.25	0.49	0.52	0.60
MAX	2.39	1.15	0.25	1.97	5.30	2.73	0.22	0.27	1.43	2.43	2.58	7.59
(WY)	1993	1992	1999	1992	1998	1992	2002	2001	1990	1998	1997	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)	1989	1989	1989	1990	1989	1988	1988	1988	1988	1988	1990	1988

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1988 - 2002	
ANNUAL TOTAL	274.06		91.69			
ANNUAL MEAN	0.75		0.25		0.36	
HIGHEST ANNUAL MEAN					1.46	1998
LOWEST ANNUAL MEAN					0.000	1996
HIGHEST DAILY MEAN	92	Feb 28	9.8	Sep 11	208	Sep 11 1998
LOWEST DAILY MEAN	0.01	Jan 1	0.01	Jul 12	0.00	Mar 1 1988
ANNUAL SEVEN-DAY MINIMUM	0.01	Jan 1	0.04	Jul 24	0.00	Mar 1 1988
MAXIMUM PEAK FLOW			136	Sep 11	1230	Sep 11 1998
MAXIMUM PEAK STAGE			10.54	Sep 11	11.72	Aug 9 1997
ANNUAL RUNOFF (AC-FT)	544		182		259	
10 PERCENT EXCEEDS	0.51		0.30		0.21	
50 PERCENT EXCEEDS	0.22		0.22		0.00	
90 PERCENT EXCEEDS	0.02		0.10		0.00	

e Estimated
† Precipitation total, in inches

LAS VEGAS VALLEY

09419674 FLAMINGO WASH AT DECATUR BOULEVARD AT LAS VEGAS, NV

LOCATION.--Lat 36°06'10", long 115°12'25", in SE $^1/_4$ SE $^1/_4$ sec.24, T.21 S., R.60 E., Clark County, Hydrologic Unit 15010015, on upstream middle concrete box culvert on Decatur Boulevard, and 0.1 mi north of Tropicana Avenue.

DRAINAGE AREA.--100.57 mi^2.

PERIOD OF RECORD.--August 1983 to August 1983, October 1990, operated as miscellaneous and partial record site, October 1992 to current year. Records prior to February 1992 not published but are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder and recording tipping bucket rain gage with 0.04 inch increment. Elevation of gage is 2,233.40 ft above NAVD88.

REMARKS.--No estimated daily discharges. Records fair except for estimated daily discharges, which are poor. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,760 ft^3/s, August 10, 1983, gage height, 21.76 ft; no flow most of time. Maximum daily precipitation, 1.52 inches, February 8, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 36 ft^3/s, July 17, gage height, 10.16 ft; no flow most days. Maximum daily precipitation, 0.20 inches, November 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.5
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.2
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	3.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.36	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.7	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.0	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	6.2	0.00	0.00	0.00	1.4	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	4.6	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	10.80	3.10	0.00	0.00	1.57	0.00	0.00	0.00	10.03	0.36	10.70
MEAN	0.000	0.36	0.10	0.000	0.000	0.051	0.000	0.000	0.000	0.32	0.012	0.36
MAX	0.00	6.2	3.1	0.00	0.00	1.4	0.00	0.00	0.00	7.7	0.36	9.5
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	21	6.1	0.00	0.00	3.1	0.00	0.00	0.00	20	0.7	21
†	0.00	0.20	0.09	0.00	0.00	0.07	0.00	0.00	0.00	0.17	0.00	0.06

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

MEAN	0.18	0.25	0.28	0.79	2.17	0.93	0.20	0.026	0.059	1.41	0.52	0.92
MAX	0.77	2.02	1.61	5.33	7.74	7.90	2.13	0.23	0.27	11.8	1.97	6.49
(WY)	2001	1997	1995	1995	1993	1992	1999	1992	1999	1999	1997	1997
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)	1994	1993	1994	1994	1995	1993	1992	1993	1993	1992	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1992 - 2002	
ANNUAL TOTAL	170.76		36.56			
ANNUAL MEAN	0.47		0.10		0.59	
HIGHEST ANNUAL MEAN					1.29	1999
LOWEST ANNUAL MEAN					0.070	1996
HIGHEST DAILY MEAN	48	Feb 26	9.5	Sep 11	331	Jul 8 1999
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Feb 1 1992
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Feb 20 1992
MAXIMUM PEAK FLOW			36	Jul 17	4760	Aug 10 1983
MAXIMUM PEAK STAGE			10.16	Jul 17	21.76	Aug 10 1983
ANNUAL RUNOFF (AC-FT)	339		73		425	
10 PERCENT EXCEEDS	0.00		0.00		0.00	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

† Precipitation total, in inches

LAS VEGAS VALLEY

094196781 FLAMINGO WASH AT NELLIS BOULEVARD NEAR LAS VEGAS, NV

LOCATION.--Lat 36°08'32", long 115°03'55" (revised), in NE $^1/_4$ NE $^1/_4$ sec.8, T.21 S., R.62 E., Clark County, Hydrologic Unit 15010015, on west side of concrete box culvert on Nellis Boulevard, and 0.25 mi north of Sahara Avenue.

DRAINAGE AREA.--215 mi^2.

PERIOD OF RECORD.--March 1988 to current year. Water year 1988-89 not published but are available in files of the U.S. Geological Survey. Computations of 1988 water year did not include daily base flow.

GAGE.--Water-stage recorder and recording tipping bucket rain gage with 0.04 inch increment. Elevation of gage is 1,730 ft above NGVD of 1929, from topographic map.

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

REVISIONS.--WDR NV-96-1: 1995.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,600 ft^3/s, July 8, 1999, gage height, 15.43 ft, on basis of slope-area measurement of peak flow; maximum gage height, 15.90 ft, June 10, 1990; minimum daily, 1.4 ft^3/s, November 3, 1991 and May 12, 1998. Maximum daily precipitation, 1.52 inches, June 10, 1990 and February 8, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 149 ft^3/s, September 11, gage height, 10.46 ft; minimum daily, 5.4 ft^3/s, September 4, 8. Maximum daily precipitation, 0.20 inches, November 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	10	8.3	7.6	7.2	8.3	9.0	8.3	6.1	7.6	9.0	e6.1
2	8.6	10	8.3	7.6	7.6	8.3	9.0	8.3	6.1	7.6	9.0	e6.0
3	8.5	11	8.1	7.6	7.6	8.3	9.0	8.3	6.1	8.3	9.0	e5.8
4	8.8	11	7.6	7.6	7.6	8.3	9.0	8.3	6.4	8.3	9.0	e5.4
5	8.4	12	7.6	7.6	7.6	8.3	9.0	7.7	6.5	8.3	9.0	e5.8
6	8.6	14	7.6	7.6	7.6	8.3	9.0	8.1	6.5	8.3	9.0	e5.8
7	8.5	14	7.6	7.6	7.6	8.3	9.0	7.6	6.5	8.3	9.0	e6.0
8	9.0	12	7.6	7.6	7.6	8.1	9.0	7.6	6.5	8.3	9.0	e5.4
9	9.0	13	7.6	7.9	7.6	8.0	9.0	7.7	6.5	8.3	9.0	e5.8
10	9.4	12	7.6	7.3	7.6	8.3	9.0	7.6	6.5	8.3	9.0	11
11	9.2	14	7.6	7.0	7.6	8.3	9.3	7.6	6.5	8.3	9.0	32
12	9.1	11	7.6	7.0	7.6	8.3	10	7.2	6.5	8.6	e8.9	e18
13	9.0	11	7.6	7.0	7.6	8.0	10	7.0	6.6	9.0	e8.9	e13
14	9.9	12	10	7.0	7.6	7.6	10	7.0	7.0	9.0	e8.9	e6.7
15	10	12	9.2	7.0	7.6	7.6	9.6	7.0	7.0	9.0	e8.9	e6.7
16	10	11	8.3	7.0	7.6	7.6	9.0	7.0	7.0	9.0	e8.9	e6.2
17	9.0	11	7.9	7.0	7.6	8.2	9.0	7.0	7.0	24	e8.8	e6.1
18	9.0	11	7.6	7.0	7.6	8.3	9.0	7.0	7.0	16	e8.8	e5.9
19	9.4	9.6	7.6	7.0	7.6	8.3	9.0	6.8	7.0	9.0	e8.8	e6.2
20	9.1	9.3	7.6	7.0	7.6	8.3	9.0	6.5	7.0	9.0	e8.5	e6.1
21	9.0	9.3	7.6	7.0	7.6	8.6	9.0	6.5	7.0	9.0	e7.6	e6.3
22	9.1	8.9	7.6	7.0	8.2	8.3	9.0	6.5	7.0	9.0	e7.2	e6.4
23	10	8.2	7.6	7.0	8.3	8.4	9.0	6.5	7.4	9.0	e6.9	e6.2
24	10	22	7.6	7.0	8.3	13	9.0	6.5	7.6	9.0	e6.9	e6.8
25	10	14	7.6	7.0	8.3	9.3	9.0	6.5	7.6	9.1	e6.8	e6.8
26	10	10	7.6	7.0	8.3	9.0	9.0	6.4	7.6	9.8	e6.7	e6.8
27	10	10	7.6	7.0	8.3	9.0	9.0	6.1	7.6	9.0	e6.9	e6.3
28	10	10	7.6	7.0	8.3	9.0	8.3	6.1	7.6	9.0	e6.6	e6.8
29	10	9.6	7.6	7.0	---	9.0	8.4	6.1	7.6	9.0	e6.6	e6.2
30	10	8.3	7.6	7.0	---	9.0	8.3	6.1	7.6	9.0	e6.6	e6.4
31	10	---	7.6	7.0	---	9.0	---	6.1	---	9.0	e6.4	---
TOTAL	289.0	341.2	242.5	223.0	217.2	264.6	271.9	219.0	206.9	292.4	253.6	235.0
MEAN	9.32	11.4	7.82	7.19	7.76	8.54	9.06	7.06	6.90	9.43	8.18	7.83
MAX	10	22	10	7.9	8.3	13	10	8.3	7.6	24	9.0	32
MIN	8.4	8.2	7.6	7.0	7.2	7.6	8.3	6.1	6.1	7.6	6.4	5.4
AC-FT	573	677	481	442	431	525	539	434	410	580	503	466
†	0.00	0.24	0.04	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.08

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

MEAN	7.80	7.62	8.56	10.2	13.4	9.29	6.39	5.97	6.17	11.6	7.69	9.27
MAX	15.2	11.4	21.1	40.1	35.9	38.7	9.29	8.38	12.7	56.2	13.5	29.4
(WY)	2001	2002	1995	1995	1998	1992	1992	1995	1990	1999	2000	1997
MIN	3.56	4.58	4.30	3.90	3.43	0.000	0.80	0.000	0.000	0.000	0.68	0.000
(WY)	1992	1990	1991	1999	1999	1988	1988	1988	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1988 - 2002	
ANNUAL TOTAL	3879.7		3056.3			
ANNUAL MEAN	10.6		8.37		8.96	
HIGHEST ANNUAL MEAN					12.1	1995
LOWEST ANNUAL MEAN					5.57	1991
HIGHEST DAILY MEAN	222	Feb 26	32	Sep 11	613	Jul 8 1999
LOWEST DAILY MEAN	5.6	Apr 12	5.4	Sep 4	0.00	Mar 1 1988
ANNUAL SEVEN-DAY MINIMUM	5.8	May 25	5.7	Sep 3	0.00	Mar 1 1988
MAXIMUM PEAK FLOW			149	Sep 11	5600	Jul 8 1999
MAXIMUM PEAK STAGE			10.46	Sep 11	15.90	Jun 10 1990
ANNUAL RUNOFF (AC-FT)	7700		6060		6490	
10 PERCENT EXCEEDS	12		10		9.7	
50 PERCENT EXCEEDS	8.3		8.2		6.5	
90 PERCENT EXCEEDS	6.6		6.5		3.8	

e Estimated
† Precipitation total, in inches

LAS VEGAS VALLEY

094196783 LAS VEGAS WASH BELOW FLAMINGO WASH CONFLUENCE NEAR LAS VEGAS, NV

LOCATION.--Lat 36°08'23", long 115°02'49", in SE $^1/_4$ NE $^1/_4$ sec.09, T.21 S., R.62 E., Clark County, Hydrologic Unit 15010015, about 300 ft downstream from Flamingo Wash Confluence, 0.2 mi north of Vegas Valley Drive, and 0.3 mi south of Sahara Ave.

DRAINAGE AREA.--1,352 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water stage recorder. Elevation of gage is 1,710 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,000 ft^3/s, July 8, 1999, gage height, 31.00 ft; minimum daily, 4.7 ft^3/s, May 5, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 172 ft^3/s, September 11, gage height, 18.24 ft; minimum daily, 6.0 ft^3/s, September 4. Maximum daily precipitation, 0.17 inches, November 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	11	12	11	12	14	10	8.7	7.9	9.1	11	6.7
2	14	12	12	10	11	e8.0	9.7	9.3	7.1	9.3	11	6.7
3	13	12	13	11	11	11	10	9.5	9.0	9.5	10	6.2
4	13	12	14	11	11	12	9.5	10	11	9.8	10	6.0
5	12	14	14	10	11	13	10	11	11	9.6	10	6.3
6	12	12	12	10	11	14	8.8	10	17	9.6	11	7.3
7	11	12	13	10	11	12	7.6	9.6	11	9.4	10	7.6
8	11	12	11	11	11	11	8.4	9.8	10	10	10	6.9
9	10	12	11	12	10	9.7	8.6	11	10	11	10	6.9
10	10	12	12	12	10	10	8.5	11	10	9.3	10	7.0
11	9.5	12	12	8.2	10	9.8	8.4	10	11	7.0	10	42
12	9.1	12	12	8.3	11	9.8	8.1	9.4	10	6.9	11	16
13	8.2	12	12	8.1	10	11	7.2	11	9.3	7.2	11	8.8
14	8.1	13	17	8.7	9.7	9.9	6.9	11	8.7	7.7	11	8.8
15	7.5	14	17	9.1	9.7	10	7.3	11	8.9	8.3	11	8.4
16	7.8	10	12	9.4	11	10	7.8	11	8.5	9.1	10	8.3
17	9.9	9.7	13	9.4	10	10	8.3	11	8.2	20	10	9.1
18	11	9.3	12	9.8	9.9	10	8.9	11	8.0	25	10	8.2
19	11	8.6	11	9.9	9.8	11	8.9	11	8.3	14	10	8.6
20	11	8.8	12	10	10	12	8.9	11	8.0	11	10	9.0
21	11	9.2	12	11	9.7	12	8.7	10	11	11	10	9.3
22	10	9.7	12	11	11	13	9.3	11	15	11	9.2	9.6
23	10	9.7	12	11	11	12	11	12	8.8	11	9.0	9.3
24	9.7	38	12	11	11	34	8.3	10	8.3	11	8.1	9.5
25	10	31	11	11	11	14	8.6	10	7.9	11	8.5	9.3
26	11	12	11	11	11	13	9.7	9.2	8.4	10	8.1	9.5
27	10	13	12	11	11	13	8.3	8.8	10	10	8.2	9.0
28	11	12	12	10	11	12	7.9	8.6	9.0	10	7.8	8.6
29	11	12	12	10	---	11	9.0	9.4	8.4	11	7.6	7.9
30	11	13	11	10	---	10	9.0	8.4	8.7	10	7.5	7.7
31	11	---	10	11	---	10	---	8.3	---	12	7.3	---
TOTAL	328.8	390.0	381	316.9	296.8	372.2	261.6	313.0	288.4	330.8	298.3	284.5
MEAN	10.6	13.0	12.3	10.2	10.6	12.0	8.72	10.1	9.61	10.7	9.62	9.48
MAX	14	38	17	12	12	34	11	12	17	25	11	42
MIN	7.5	8.6	10	8.1	9.7	8.0	6.9	8.3	7.1	6.9	7.3	6.0
AC-FT	652	774	756	629	589	738	519	621	572	656	592	564
†	0.00	0.21	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.09

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

MEAN	13.4	14.0	10.2	12.3	46.0	16.5	11.9	9.51	10.7	32.4	19.9	30.4
MAX	23.9	30.0	12.3	25.3	116	37.5	22.7	10.8	12.3	111	34.4	73.0
(WY)	2001	1997	2002	2001	1998	1998	1999	2000	2000	1999	2000	1997
MIN	9.34	9.85	5.94	7.18	7.60	8.00	7.68	6.33	8.27	10.7	9.62	9.48
(WY)	1998	1999	1998	1998	1997	1997	1997	1997	1997	2002	2002	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1997 - 2002	
ANNUAL TOTAL	6526.9		3862.3			
ANNUAL MEAN	17.9		10.6		18.8	
HIGHEST ANNUAL MEAN					27.2	1998
LOWEST ANNUAL MEAN					10.6	2002
HIGHEST DAILY MEAN	1030	Feb 28	42	Sep 11	1560	Jul 8 1999
LOWEST DAILY MEAN	7.5	Oct 15	6.0	Sep 4	4.7	May 5 1997
ANNUAL SEVEN-DAY MINIMUM	8.5	Jul 12	6.6	Aug 31	4.9	Dec 23 1997
MAXIMUM PEAK FLOW			172	Sep 11	11000	Jul 8 1999
MAXIMUM PEAK STAGE			18.24	Sep 11	31.00	Jul 8 1999
ANNUAL RUNOFF (AC-FT)	12950		7660		13650	
10 PERCENT EXCEEDS	14		12		15	
50 PERCENT EXCEEDS	11		10		10	
90 PERCENT EXCEEDS	8.8		8.1		8.3	

e Estimated
† Precipitation total, in inches.

PERIOD OF RECORD.--April 1993 to current year.

REMARKS.--In January 1997 an automatic sampler was re-installed and used to collect water-quality data as part of the National Pollution Discharge Elimination System (NPDES) monitoring network.

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

Date	Time	Sample type	2,4,5-T DIS-SOLVED (UG/L) (39742)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)
SEP 11-11	0855	ENVIRONMENTAL	<.07	<.34	<.25	<.006	<2.50	<.006	<.05	<.004	<.78	<.66	<6.20

Date	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)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)
SEP 11-11	<.005	<.007	<.010	<.05	<.40	<.07	<.002	<.410	<.200	<.83	<.050	<.21	<.25

Date	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLO-BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)
SEP 11-11	<.005	<1.70	<.018	<.07	.011	<.006	101	.082	<.11	<.10	<.12	<.005	<.12

Date	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	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)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)
SEP 11-11	E2.10	<.25	<.009	<.005	<.66	<.73	<.003	70.4	<.004	<.45	<.035	<.075	<.26

Date	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	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)	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)	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)
SEP 11-11	<.26	<.70	<.34	<.050	<.006	<.013	<.006	<.002	<.007	<.72	<1.10	<1.50	<.16

Date	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	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)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	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)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)
SEP 11-11	<.003	<.010	<.022	<.006	<.011	<.57	<.01	<.200	<.010	<.040	<.02	<.22	<.96

Date	SILVEX, DIS-SOLVED (UG/L) (39762)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	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-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
SEP 11-11	<.03	<.015	<.02	<.02	<.005	<.002	<.07	<.009

Remark codes used in this report:
< -- Less than
E -- Estimated value

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1993 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January to September, hourly.
WATER TEMPERATURE: January to September, hourly.

INSTRUMENTATION.--Water-quality monitor January to Sepstember 2002, hourly

REMARKS.--In April 1993, station was incorporated into the National Water-Quality Assessment Program (NAWQA) with goals to describe the status and trends of water-quality conditions for a large, diverse, and geographically distributed part of the Nation's ground- and surface-water resources. In January 1997 an automatic sampler was re-installed and used to collect water-quality data as part of the National Pollution Discharge Elimination System (NPDES) monitoring network. Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data."

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 9,510 microsiemens, May 14, 2002; minimum recorded, 1,620 microsiemens, July 18, 2002.
WATER TEMPERATURE: Maximum recorded, 36.0 July 12, 2002; minimum recorded, 4.0 , January 31, 2002.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 9,510 microsiemens, May 14;minimum recorded, 1,620 microsiemens, July 18.
WATER TEMPERATURE: Maximum recorded, 36.0 July 12;minimum recorded, 4.0 , January 31.

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													
11...	0900	ENVIRONMENTAL	9.1	725	9.4	99	8.2	3900	14.0	15.0	--	--	--
17...	0915	ENVIRONMENTAL	10	724	9.5	102	8.2	3800	13.0	15.5	214	261	290
24...	0905	ENVIRONMENTAL	9.7	725	9.5	98	8.2	3900	16.5	14.0	--	--	--
NOV													
14...	0830	**SOLUTION BLANK**	--	--	--	--	--	--	--	--	--	--	--
14...	0832	**EQUIPMENT BLANK**	--	--	--	--	--	--	--	--	--	--	--
14...	0835	**FIELD BLANK**	--	--	--	--	--	--	--	--	--	--	--
14...	0850	ENVIRONMENTAL	E13	726	10.0	103	8.3	3920	16.0	14.0	--	--	--
27...	0900	ENVIRONMENTAL	12	726	10.7	98	8.2	3760	6.0	9.0	225	274	280
DEC													
06...	0910	ENVIRONMENTAL	11	733	10.7	99	8.4	3640	6.0	9.5	--	--	--
13...	0900	ENVIRONMENTAL	E12	730	11.4	102	8.3	3610	2.5	8.0	218	266	294
20...	0845	ENVIRONMENTAL	11	721	11.1	103	8.2	3710	5.5	9.0	--	--	--
JAN													
09...	0930	ENVIRONMENTAL	E12	722	11.0	109	8.2	3700	10.0	12.0	--	--	--
09...	0940	**SEQENTIAL REPLICATE**	--	--	--	--	--	--	--	--	--	--	--
22...	0945	**FIELD BLANK**	--	--	--	--	--	--	--	--	--	--	*<1.70*
22...	1000	ENVIRONMENTAL	11	719	12.3	112	8.3	3750	11.0	8.0	220	268	304
22...	1005	**SEQENTIAL REPLICATE**	--	--	--	--	--	--	--	--	--	--	*298*
FEB													
12...	0930	ENVIRONMENTAL	11	727	11.5	104	8.3	3650	5.0	8.5	--	--	--
28...	0930	ENVIRONMENTAL	12	720	11.0	106	8.2	3820	14.5	10.5	220	268	293
MAR													
12...	0920	**SOLUTION BLANK**	--	--	--	--	--	--	--	--	--	--	--
12...	0925	**FIELD BLANK**	--	--	--	--	--	--	--	--	--	--	--
12...	0930	ENVIRONMENTAL	9.7	726	11.1	112	8.3	3740	16.5	13.0	--	--	--
25...	0900	ENVIRONMENTAL	12	725	9.0	91	8.0	3060	15.0	13.0	190	233	240
APR													
11...	0830	ENVIRONMENTAL	9.1	724	9.0	101	8.0	3760	23.5	17.8	--	--	--
25...	0815	ENVIRONMENTAL	8.5	722	8.8	100	8.0	3920	21.0	18.0	212	259	282
MAY													
08...	0900	ENVIRONMENTAL	12	724	10.1	109	8.2	3920	22.0	16.0	--	--	--
28...	0830	ENVIRONMENTAL	7.9	722	8.9	104	8.1	3800	27.0	19.5	200	944	287
JUN													
13...	0850	**SOLUTION BLANK**	--	--	--	--	--	--	--	--	--	--	--
13...	0855	**FIELD BLANK**	--	--	--	--	--	--	--	--	--	--	--
13...	0900	ENVIRONMENTAL	10	722	8.7	102	8.1	3850	28.0	20.0	--	--	--
13...	0905	**SEQENTIAL REPLICATE**	--	--	--	--	--	--	--	--	--	--	--
13...	0910	**FIELD SPIKE**	--	--	--	--	--	--	--	--	--	--	--
13...	0915	**LAB SPIKE**	--	--	--	--	--	--	--	--	--	--	--
20...	0835	**SOLUTION BLANK**	--	--	--	--	--	--	--	--	--	--	--
20...	0840	**FIELD BLANK**	--	--	--	--	--	--	--	--	--	--	--
20...	0845	ENVIRONMENTAL	7.9	718	8.3	103	8.1	3820	33.5	22.5	211	252	284
20...	0850	**SEQENTIAL REPLICATE**	--	--	--	--	--	--	--	--	--	--	--
20...	0855	**FIELD SPIKE**	--	--	--	--	--	--	--	--	--	--	--
JUL													
10...	0800	ENVIRONMENTAL	9.7	724	7.5	96	8.0	3710	33.5	24.5	--	--	--
23...	0630	ENVIRONMENTAL	--	722	7.0	87	8.0	3740	23.0	23.0	221	270	329
AUG													
20...	0900	ENVIRONMENTAL	11	719	7.6	94	8.1	3800	28.5	22.5	218	266	362
SEP													
12...	1000	ENVIRONMENTAL	22	723	5.3	65	7.8	1980	26.0	22.5	--	--	--
23...	0900	ENVIRONMENTAL	9.1	723	8.4	98	8.2	3900	21.5	19.5	216	264	334
30...	0900	ENVIRONMENTAL	7.9	--	--	--	--	--	--	--	--	--	--

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

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)	[a]2,4,5-T SURROG WATER FLTRD REC PERCENT (99958)
OCT													
11...	--	.06	.34	4.64	.040	--	<.02	.012	--	--	--	--	77.2
17...	1650	E.03	.49	4.10	.059	.06	<.02	.022	.6	<.1	3.8	.6	73.2
24...	--	.09	.44	4.46	.044	--	<.02	.021	--	--	--	--	77.7
NOV													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	.12	.28	4.99	.031	--	<.02	.006	--	--	--	--	81.0
27...	1650	.08	.53	4.94	.020	.12	E.01	.041	1.4	.2	6.4	1.1	104
DEC													
06...	--	.08	.54	4.86	.017	--	<.02	.026	--	--	--	--	105
13...	1600	.06	.35	5.08	.024	.07	<.02	.015	.7	<.1	2.6	.7	78.8
20...	--	.06	.37	5.18	.023	--	<.02	.020	--	--	--	--	103
JAN													
09...	--	.06	.39	4.98	.041	--	<.02	.015	--	--	--	--	98.5
09...	--	*.07*	*.37*	*4.96*	*.041*	--	*<.02*	*.016*	--	--	--	--	--
22...	*<.6*	*<.04*	*<.10*	*<.05*	*<.008*	*.02*	*<.02*	*<.004*	*<.1*	*<.1*	*E.3*	*<.1*	*96.2*
22...	1680	.08	.32	5.42	.038	.09	.02	.013	.8	<.1	2.4	.8	90.5
22...	*1700*	--	--	--	--	*.09*	--	--	*.7*	*<.1*	*2.5*	*.7*	--
FEB													
12...	--	.08	.35	4.93	.038	--	<.02	.016	--	--	--	--	92.0
28...	1660	.06	.64	4.74	.045	.07	<.02	.013	1.3	<.1	3.3	1.3	85.0
MAR													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	.05	.37	4.77	.056	--	<.02	.009	--	--	--	--	89.1
25...	1270	.18	2.2	3.92	.148	.17	<.02	.070	1.2	<.1	--	1.2	E.0
APR													
11...	--	.10	1.1	4.04	.097	--	<.02	.010	--	--	--	--	79.6
25...	1660	.07	.54	3.85	.066	<.02	<.02	.009	.2	<.1	3.8	.2	88.9
MAY													
08...	--	.06	.42	3.92	.063	--	<.02	.011	--	--	--	--	76.8
28...	1630	.09	.45	3.95	.068	.04	<.02	.011	.4	<.1	3.5	.4	74.1
JUN													
13...	--	--	--	--	--	--	--	--	--	--	--	--	*76.1*
13...	--	--	--	--	--	--	--	--	--	--	--	--	*79.0*
13...	--	.08	1.4	3.89	.095	--	<.02	.011	--	--	--	--	77.4
13...	--	--	--	--	--	--	--	--	--	--	--	--	*69.6*
13...	--	--	--	--	--	--	--	--	--	--	--	--	*47.0*
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	1590	.05	.85	3.75	.095	.02	<.02	.012	.2	<.1	4.1	.2	67.3
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
10...	--	.19	.99	3.61	.161	--	<.02	.026	--	--	--	--	71.9
23...	1560	.09	.66	3.13	.179	.09	<.02	.025	.6	<.1	4.7	.6	53.0
AUG													
20...	1490	.07	.54	3.52	.084	.10	<.02	.022	.9	<.1	4.4	.9	63.2
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	1590	E.03	.57	4.08	.068	.12	<.02	.024	1.2	<.1	3.4	1.2	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	66.3

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

Date	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO-FURAN WATER FLTRD REC (UG/L) (50295)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALPHA BHC DIS-SOLVED (UG/L) (34253)
OCT													
11...	<.009	.03	<.02	<.002	<.006	<2	<.004	<.007	<.002	<.02	<.008	<.04	<.005
17...	<.009	E.01	<.02	<.002	<.006	<2	<.004	<.007	<.002	<.02	<.008	<.04	<.005
24...	<.009	E.01	<.02	<.002	<.006	<2	<.004	<.007	<.002	<.02	<.008	<.04	<.005
NOV													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.009	<.02	<.02	<.002	<.006	<2	<.004	<.007	<.002	<.02	<.008	<.04	<.005
27...	<.009	.12	<.02	<.002	<.006	<2	<.004	<.007	<.002	<.02	<.008	<.04	<.005
DEC													
06...	<.009	<.02	<.02	<.002	<.006	<2	<.004	<.007	<.002	<.02	<.008	<.04	<.005
13...	<.009	<.02	<.02	<.002	<.006	<2	<.004	<.007	<.002	<.02	<.008	<.04	<.005
20...	<.009	<.02	<.02	<.002	<.006	<2	<.004	<.007	<.002	<.02	<.008	<.04	<.005
JAN													
09...	<.009	E.02	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005
09...	--	--	--	*<.006*	--	--	*<.006*	--	*<.004*	--	--	--	*<.005*
22...	*<.009*	*<.02*	*<.02*	*<.006*	*<.006*	*<2*	*<.006*	*<.007*	*<.004*	*<.02*	*<.008*	*<.04*	*<.005*
22...	<.009	<.02	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
12...	<.009	.04	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005
28...	<.009	.03	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005
MAR													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	<.009	.05	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005
25...	<.009	<.02	<.02	<.006	<.006	<2	<.006	<.103	<.004	<.02	<.008	<.04	<.005
APR													
11...	<.009	.24	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005
25...	<.009	.07	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005
MAY													
08...	<.009	.09	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005
28...	<.009	.05	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005
JUN													
13...	*<.009*	*<.02*	*<.02*	--	*<.006*	*<2*	--	*<.007*	--	*<.02*	*<.008*	*<.04*	--
13...	*<.009*	*<.02*	*<.02*	--	*<.006*	*<2*	--	*<.007*	--	*<.02*	*<.008*	*<.04*	--
13...	<.009	<.02	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005
13...	*<.009*	*<.02*	*<.02*	--	*<.006*	*<2*	--	*<.007*	--	*<.02*	*<.008*	*<.04*	--
13...	*.121*	*.26*	*E.10*	--	*.154*	*<2*	--	*.036*	--	*E.05*	*E.118*	*E.06*	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	*<.006*	--	--	*<.006*	--	*<.004*	--	--	--	*<.005*
20...	--	--	--	*<.006*	--	--	*<.006*	--	*<.004*	--	--	--	*<.005*
20...	<.009	.06	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005
20...	--	--	--	*<.006*	--	--	*<.006*	--	*<.004*	--	--	--	*<.005*
20...	--	--	--	*.113*	--	--	*.132*	--	*.149*	--	--	--	*.115*
JUL													
10...	<.009	.05	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005
23...	<.009	<.02	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005
AUG													
20...	<.009	<.02	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	<.009	<.02	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005

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

Date	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	[a]BARBAN SURROG-ATE WTR FLT SCD 2060, 9060 RE PERCENT (90640)	BENDIO-CARB, WATER FLTRD REC (UG/L) (50299)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN-SUL-FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)	[a]CAF-FEINE-C13 SURROG, WAT FLT REC PERCENT (99959)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)
OCT													
11...	<.009	E51.8	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	<.010	E120	<.03
17...	E.003	47.6	<.03	<.010	<.004	<.02	M	<.03	<.02	<.002	.729	92.7	<.03
24...	<.009	68.1	<.03	<.010	<.004	<.02	M	<.03	<.02	<.002	.131	81.1	<.03
NOV													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.009	62.4	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	.082	110	<.03
27...	<.009	E32.2	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	E.361	E75.8	<.03
DEC													
06...	<.009	98.4	<.03	<.010	<.004	<.02	E.01	<.03	<.02	<.002	.149	108	<.03
13...	<.009	E156	<.03	<.010	<.004	<.02	M	<.03	<.02	<.002	E.052	E78.3	<.03
20...	E.006	66.0	<.03	<.010	<.004	<.02	M	<.03	<.02	<.002	.109	83.4	<.03
JAN													
09...	E.006	165	<.03	<.010	<.004	<.02	M	<.03	<.02	<.002	.067	82.0	<.03
09...	*E.004*	--	--	*<.010*	--	--	--	--	--	*<.002*	--	--	--
22...	*<.009*	*89.1*	*<.03*	*<.010*	*<.004*	*<.02*	*<.01*	*<.03*	*<.02*	*<.002*	*<.010*	*131*	*<.03*
22...	<.009	109	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	.075	73.0	<.03
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
12...	E.006	124	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	.086	80.3	<.03
28...	<.007	92.7	<.03	<.010	<.004	<.02	E.01	<.03	<.02	<.002	.079	73.1	<.03
MAR													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	.008	88.0	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	.074	86.6	<.03
25...	<.007	E9.3	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	<.010	E6.8	<.03
APR													
11...	.008	31.9	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	.055	69.7	E.03
25...	E.006	124	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	<.010	88.7	<.03
MAY													
08...	.007	49.2	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	.084	69.2	<.03
28...	.008	98.8	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	.057	68.0	M
JUN													
13...	*<.009*	*66.2*	*<.03*	--	*<.004*	*<.02*	*<.01*	*<.03*	*<.02*	--	*<.010*	*94.8*	*<.03*
13...	*<.009*	*96.2*	*<.03*	--	*<.004*	*<.02*	*<.01*	*<.03*	*<.02*	--	*<.010*	*112*	*<.03*
13...	E.005	51.6	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	.096	75.2	<.03
13...	*<.009*	*32.0*	*<.03*	--	*<.004*	*<.02*	*<.01*	*<.03*	*<.02*	--	*.102*	*79.9*	*<.03*
13...	*.107*	*14.7*	*.06*	--	*.269*	*.17*	*E.13*	*E.11*	*E.13*	--	*.319*	*75.7*	*.14*
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	*<.007*	--	--	*<.010*	--	--	--	--	--	*<.002*	--	--	--
20...	*<.007*	--	--	*<.010*	--	--	--	--	--	*<.002*	--	--	--
20...	E.007	130	<.03	<.010	<.004	<.02	M	<.03	<.02	<.002	.105	105	<.03
20...	*E.006*	--	--	*<.010*	--	--	--	--	--	*<.002*	--	--	--
20...	*.137*	--	--	*.102*	--	--	--	--	--	*.108*	--	--	--
JUL													
10...	<.007	30.0	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	.114	77.2	<.03
23...	.008	E43.0	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	E.200	E84.0	<.03
AUG													
20...	E.005	62.2	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	E.154	122	<.03
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	.009	56.7	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	.080	70.1	<.03

LAS VEGAS VALLEY

094196783 LAS VEGAS WASH BELOW FLAMINGO WASH CONFLUENCE NEAR LAS VEGAS, NV--Continued

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

Date	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORI-MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)
OCT													
11...	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	<.03
17...	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	--	<.003	M
24...	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	--	<.003	<.03
NOV													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	<.03
27...	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	<.03
DEC													
06...	<.041	<.006	<.020	<.02	<.010	E.32	<.005	<.01	<.018	<.01	<.01	<.003	<.03
13...	<.041	<.006	<.020	<.02	<.010	E.32	<.005	<.01	<.018	<.01	<.01	<.003	<.03
20...	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.006
JAN													
09...	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.005
09...	*<.041*	--	*<.020*	--	--	--	*<.005*	--	*<.018*	--	--	*<.003*	*E.004*
22...	*<.041*	*<.006*	*<.020*	*<.02*	*<.010*	*<.04*	*<.005*	*<.01*	*<.018*	*<.01*	*<.01*	*<.003*	*<.03*
22...	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	M
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
12...	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.006
28...	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	<.006
MAR													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.006
25...	E.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	.003	<.006
APR													
11...	E.035	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.003
25...	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.005
MAY													
08...	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.007
28...	E.012	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.011
JUN													
13...	--	*<.006*	--	*<.02*	*<.010*	*<.04*	--	*<.01*	--	*<.01*	*<.01*	--	*<.03*
13...	--	*<.006*	--	*<.02*	*<.010*	*<.04*	--	*<.01*	--	*<.01*	*<.01*	--	*<.03*
13...	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.007
13...	--	*<.006*	--	*<.02*	*<.010*	*<.04*	--	*<.01*	--	*<.01*	*<.01*	--	*<.03*
13...	--	*.160*	--	*<.02*	*E.220*	*E.03*	--	*.10*	--	*E.03*	*.16*	--	*E.10*
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	*<.041*	--	*<.020*	--	--	--	*<.005*	--	*<.018*	--	--	*<.003*	*<.006*
20...	*<.041*	--	*<.020*	--	--	--	*<.005*	--	*<.018*	--	--	*<.003*	*<.006*
20...	E.004	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	<.008
20...	*E.004*	--	*<.020*	--	--	--	*<.005*	--	*<.018*	--	--	*<.003*	*<.008*
20...	*E.158*	--	*E.148*	--	--	--	*.110*	--	*.145*	--	--	*.116*	*E.080*
JUL													
10...	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	<.006
23...	E.007	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.005
AUG													
20...	E.005	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.006
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.008

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

Date	DEETHYL DEISO-PROPYL ATRAZIN DISS, REC (UG/L) (04039)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN-AMID, WATER, DISS, REC (UG/L) (04033)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
OCT													
11...	E.01	<.04	105	.016	<.01	<.01	<.005	<.01	<.03	<.02	.06	<.002	<.009
17...	<.01	<.04	122	.014	<.01	<.01	<.005	<.01	<.03	<.02	.04	<.002	<.009
24...	<.01	<.04	94.7	.023	.02	<.01	<.005	<.01	<.03	<.02	.09	<.002	<.009
NOV													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	E.01	<.04	93.7	<.187	<.01	<.01	<.005	<.01	<.03	<.02	.05	<.002	<.009
27...	<.01	<.04	91.9	<.005	<.01	<.01	<.005	<.01	<.03	<.02	E.15	<.002	<.009
DEC													
06...	<.01	<.04	103	.012	<.01	<.01	<.005	<.01	<.03	<.02	.07	<.002	<.009
13...	E.01	<.04	106	.008	<.01	<.01	<.005	<.01	<.03	<.02	E.04	<.002	<.009
20...	<.01	<.04	88.8	.011	<.01	<.01	<.005	<.01	<.03	<.02	.05	<.002	<.009
JAN													
09...	<.01	<.04	110	.010	<.01	<.01	<.005	<.01	<.03	<.02	.03	<.002	<.009
09...	--	--	*112*	*.009*	--	--	*<.005*	--	--	*<.02*	--	*<.002*	*<.009*
22...	*<.01*	*<.04*	*89.2*	*<.005*	*<.01*	*<.01*	*<.005*	*<.01*	*<.03*	*<.02*	*<.01*	*<.002*	*<.009*
22...	<.01	<.04	98.3	E.005	<.01	<.01	<.005	<.01	<.03	<.02	.05	<.002	<.009
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
12...	<.01	<.04	101	E.004	<.01	<.01	<.005	<.01	<.03	<.02	E1.40	<.007	<.009
28...	<.01	<.04	123	.009	<.01	<.01	<.005	<.01	<.03	<.02	.63	<.002	<.009
MAR													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	E.01	<.04	97.4	.010	<.01	<.01	<.005	<.01	<.03	<.02	E1.08	<.002	<.009
25...	<.01	<.04	115	.089	<.01	<.01	<.005	<.01	<.03	<.02	E.13	<.002	<.009
APR													
11...	<.01	<.04	89.5	.022	<.01	<.01	<.005	<.01	<.03	<.02	.24	<.002	<.009
25...	<.01	<.04	107	.037	<.01	<.01	<.005	<.01	<.03	<.02	.19	<.002	<.009
MAY													
08...	M	E.01	101	.016	<.01	<.01	<.005	<.01	<.03	<.02	.10	<.002	<.009
28...	<.01	<.04	131	.017	<.01	<.01	<.005	<.01	<.03	<.02	.10	<.002	<.009
JUN													
13...	*<.01*	*<.04*	--	--	*<.01*	*<.01*	--	*<.01*	*<.03*	--	*<.01*	--	--
13...	*<.01*	*<.04*	--	--	*<.01*	*<.01*	--	*<.01*	*<.03*	--	*<.01*	--	--
13...	<.01	<.04	98.1	.009	<.01	<.01	<.005	<.01	<.03	<.02	.09	<.002	<.009
13...	*<.01*	*<.04*	--	--	*<.01*	*<.01*	--	*<.01*	*<.03*	--	*.09*	--	--
13...	*<.01*	*E.12*	--	--	*.25*	*.16*	--	*.03*	*.12*	--	*.26*	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	*109*	*<.005*	--	--	*<.005*	--	--	*<.02*	--	*<.002*	*<.009*
20...	--	--	*109*	*<.005*	--	--	*<.005*	--	--	*<.02*	--	*<.002*	*<.009*
20...	<.01	<.04	110	.011	<.01	<.01	<.005	<.01	<.03	<.02	.12	<.002	<.009
20...	--	--	*111*	*.011*	--	--	*<.005*	--	--	*<.02*	--	*<.002*	*<.009*
20...	--	--	*108*	*.124*	--	--	*.108*	--	--	*E.01*	--	*.105*	*.118*
JUL													
10...	<.01	<.04	85.2	<.007	.13	<.01	<.005	<.01	<.03	<.02	.08	<.002	<.009
23...	<.01	<.04	139	.019	<.01	<.01	<.005	<.01	<.03	<.02	E.36	<.002	<.009
AUG													
20...	<.01	<.04	85.7	.008	<.01	<.01	<.005	<.01	<.03	<.02	.06	<.002	<.009
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	<.01	<.04	124	.013	<.01	<.01	<.005	<.01	<.03	<.02	.02	<.002	<.009

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

Date	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET-SULAM WATER FLTRD REC (UG/L) (61694)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	FONOFOS WATER DISS REC (UG/L) (04095)	[a]HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	HYDROXY ATRA-ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ-AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE-THAPYR WATER FLTRD REC (UG/L) (50407)	IMID-ACLOP-RID WATER FLTRD REC (UG/L) (61695)	LINDANE DIS-SOLVED (UG/L) (39341)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)
OCT													
11...	<.005	<.03	<.01	<.03	<.003	78.4	<.008	E.01	<.02	<.007	<.004	<.01	<.035
17...	<.005	<.03	<.01	<.03	<.003	80.6	<.008	E.57	<.02	<.007	<.004	<.01	<.035
24...	<.005	<.03	<.01	<.03	<.003	87.1	<.008	E.21	<.02	<.007	<.004	<.01	<.035
NOV													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.005	<.03	<.01	<.03	<.003	89.4	<.008	<.02	<.02	<.007	<.004	<.01	<.035
27...	<.005	<.03	<.01	<.03	<.003	88.5	<.008	E1.47	<.02	<.007	<.004	<.01	<.035
DEC													
06...	<.005	<.03	<.01	<.03	<.003	101	<.008	E.47	<.02	<.007	<.004	<.01	<.035
13...	<.005	<.03	<.01	<.03	<.003	99.1	<.008	E.08	<.02	<.007	<.004	<.01	<.035
20...	<.005	<.03	<.01	<.03	<.003	71.5	<.008	E.22	<.02	<.007	<.004	<.01	<.035
JAN													
09...	<.005	<.03	<.01	<.03	<.003	89.5	<.008	E.35	<.02	<.007	<.004	<.01	<.035
09...	*<.005*	--	--	--	*<.003*	*94.9*	--	--	--	--	*<.004*	--	*<.035*
22...	*<.005*	*<.03*	*<.01*	*<.03*	*<.003*	*85.0*	*<.008*	*<.02*	*<.02*	*<.007*	*<.004*	*<.01*	*<.035*
22...	<.005	<.03	<.01	<.03	<.003	88.9	<.008	<.02	<.02	<.007	<.004	<.01	<.035
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
12...	<.005	<.03	<.01	<.03	<.003	95.7	<.008	E.61	E.03	<.007	<.004	<.01	<.035
28...	<.005	<.03	<.01	<.03	<.003	95.7	<.008	E.48	<.02	<.007	<.004	<.01	<.035
MAR													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	<.005	<.03	<.01	<.03	<.003	87.9	<.008	<.02	<.02	<.007	<.004	<.01	<.035
25...	<.005	<.03	<.01	<.03	<.003	95.7	<.008	E.57	<.02	<.007	<.004	<.01	<.035
APR													
11...	<.005	<.03	<.01	<.03	<.003	91.2	<.008	<.02	<.02	<.007	<.004	<.01	<.035
25...	<.005	<.03	<.01	<.03	<.003	104	<.008	E.03	<.02	<.007	<.004	<.01	<.035
MAY													
08...	<.005	<.03	<.01	<.03	<.003	125	<.008	<.02	<.02	<.007	<.004	<.01	<.035
28...	<.005	<.03	<.01	<.03	<.003	105	<.008	E.22	<.02	<.007	<.004	<.01	<.035
JUN													
13...	--	*<.03*	*<.01*	*<.03*	--	--	*<.008*	*<.02*	*<.02*	*<.007*	--	*<.01*	--
13...	--	*<.03*	*<.01*	*<.03*	--	--	*<.008*	*<.02*	*<.02*	*<.007*	--	*<.01*	--
13...	<.005	<.03	<.01	<.03	<.003	88.1	<.008	<.02	<.02	<.007	<.004	<.01	<.035
13...	--	*<.03*	*<.01*	*<.03*	--	--	*<.008*	*<.02*	*<.02*	*<.007*	--	*<.01*	--
13...	--	*.23*	*E.39*	*.25*	--	--	*<.008*	*E.29*	*E.26*	*.299*	--	*.13*	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	*<.005*	--	--	--	*<.003*	*108*	--	--	--	--	*<.004*	--	*<.035*
20...	*<.005*	--	--	--	*<.003*	*100*	--	--	--	--	*<.004*	--	*<.035*
20...	<.005	<.03	<.01	<.03	<.003	110	<.008	<.02	<.02	<.007	<.004	<.01	<.035
20...	*<.005*	--	--	--	*<.003*	*112*	--	--	--	--	*<.004*	--	*<.035*
20...	*.126*	--	--	--	*.118*	*106*	--	--	--	--	*.121*	--	*.143*
JUL													
10...	<.005	<.03	<.01	<.03	<.003	87.0	<.008	<.02	<.02	<.007	<.004	<.01	<.035
23...	<.005	<.03	E.24	<.03	<.003	96.4	<.008	E.07	<.02	<.007	<.004	<.01	<.035
AUG													
20...	<.005	<.03	<.01	<.03	<.003	97.3	<.008	<.02	E.02	<.007	<.004	<.01	<.035
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	<.005	<.03	<.01	<.03	<.003	100	<.008	<.02	<.02	<.007	<.004	<.01	<.035

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

Date	MALA-THION, DIS-SOLVED (UG/L) (39532)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL-AXYL WATER FLTRD REC (UG/L) (50359)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	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)	META-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MET-SUL-FURON METHYL WAT FLT REC (UG/L) (61697)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)
OCT													
11...	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.013	<.006	<.03	<.002	<.007
17...	<.027	<.02	<.01	M	<.008	<.004	<.050	<.006	<.013	<.006	E.15	<.002	<.007
24...	<.027	<.02	<.01	M	<.008	<.004	<.050	<.006	<.013	<.006	<.03	<.002	<.007
NOV													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.5	<.006	<.03	<.002	<.007
27...	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.013	<.006	--	<.002	<.007
DEC													
06...	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.013	<.006	E.09	<.002	<.007
13...	<.027	<.02	<.01	M	<.008	<.004	<.050	<.006	<.013	<.006	<.03	<.002	<.007
20...	<.027	<.02	<.01	M	<.008	<.004	<.050	<.006	<.013	<.006	E.10	<.002	<.007
JAN													
09...	<.027	<.02	<.01	M	<.008	<.004	<.050	<.006	<.013	<.006	<.03	<.002	<.007
09...	*<.027*	--	--	--	--	--	*<.050*	*<.006*	*<.013*	*<.006*	--	*<.002*	*<.007*
22...	*<.027*	*<.02*	*<.01*	*<.02*	*<.008*	*<.004*	*<.050*	*<.006*	*<.013*	*<.006*	*<.03*	*<.002*	*<.007*
22...	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.013	<.006	<.03	<.002	<.007
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
12...	<.027	<.02	<.01	M	<.008	<.004	<.050	<.006	E.004	<.006	<.03	<.002	<.007
28...	<.027	<.02	<.01	E.01	<.008	<.004	<.050	<.006	<.013	<.006	<.03	<.002	<.007
MAR													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	<.027	<.02	<.01	E.01	<.008	<.004	<.050	<.006	E.005	<.006	<.03	<.002	<.007
25...	.066	<.09	<.01	<.02	<.008	<.004	<.050	<.006	<.013	<.006	E.57	<.002	<.007
APR													
11...	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.013	<.006	<.03	<.002	<.007
25...	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.013	<.006	<.03	<.002	<.007
MAY													
08...	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.013	<.006	<.03	<.002	<.007
28...	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.013	<.006	<.03	<.002	<.007
JUN													
13...	--	*<.02*	*<.01*	*<.02*	*<.008*	*<.004*	--	--	--	--	*<.03*	--	--
13...	--	*<.02*	*<.01*	*<.02*	*<.008*	*<.004*	--	--	--	--	*<.03*	--	--
13...	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.013	<.006	<.03	<.002	<.007
13...	--	*<.02*	*<.01*	*<.02*	*<.008*	*<.004*	--	--	--	--	*<.03*	--	--
13...	--	*.16*	*E.08*	*.18*	*E.080*	*E.225*	--	--	--	--	*E.06*	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	*<.027*	--	--	--	--	--	*<.050*	*<.006*	*<.013*	*<.006*	--	*<.002*	*<.007*
20...	*<.027*	--	--	--	--	--	*<.050*	*<.006*	*<.013*	*<.006*	--	*<.002*	*<.007*
20...	E.007	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.013	<.006	<.03	<.002	<.007
20...	*E.006*	--	--	--	--	--	*<.050*	*<.006*	*<.013*	*<.006*	--	*<.002*	*<.007*
20...	*.124*	--	--	--	--	--	*E.141*	*.140*	*.133*	*.118*	--	*.115*	*.128*
JUL													
10...	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.013	<.006	<.03	<.002	<.007
23...	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.013	<.006	E.18	<.002	<.007
AUG													
20...	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.013	<.006	<.03	<.002	<.007
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.013	<.006	<.03	<.002	<.007

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

Date	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL OXIME WATER FLTRD REC (UG/L) (50410)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	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)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)
OCT													
11...	<.01	<.01	<.02	<.02	<.01	<.01	<.003	<.007	<.002	<.010	<.006	<.011	<.02
17...	<.01	<.01	<.02	<.02	<.01	<.01	<.003	<.007	<.002	<.010	<.006	<.011	<.02
24...	<.01	E.01	<.02	<.02	<.01	<.01	<.003	<.007	<.002	<.010	<.006	<.011	<.02
NOV													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.01	<.01	<.02	<.02	<.01	<.01	<.003	<.007	<.002	<.010	<.006	<.011	<.02
27...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.007	<.002	<.010	<.006	<.011	<.02
DEC													
06...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.007	<.002	<.010	<.006	<.011	<.02
13...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.007	<.002	<.010	<.006	<.011	<.02
20...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.007	<.002	<.010	<.006	<.011	<.02
JAN													
09...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004	<.022	<.006	<.011	<.02
09...	--	--	--	--	--	--	*<.003*	*<.010*	*<.004*	*<.022*	*<.006*	*<.011*	--
22...	*<.01*	*<.01*	*<.02*	*<.02*	--	*<.01*	*<.003*	*<.010*	*<.004*	*<.022*	*<.006*	*<.011*	*<.02*
22...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004	<.022	<.006	<.011	<.02
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
12...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004	<.022	<.006	<.011	<.02
28...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004	<.022	<.006	<.011	<.02
MAR													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004	E.018	<.006	<.011	<.02
25...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004	<.022	<.006	<.011	<.02
APR													
11...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004	<.022	<.006	<.011	<.02
25...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004	<.022	<.006	<.011	<.02
MAY													
08...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004	<.022	<.006	<.011	<.02
28...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004	<.022	<.006	<.011	<.02
JUN													
13...	*<.01*	*<.01*	*<.02*	*<.02*	--	*<.01*	--	--	--	--	--	--	*<.02*
13...	*<.01*	*<.01*	*<.02*	*<.02*	--	*<.01*	--	--	--	--	--	--	*<.02*
13...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004	<.022	<.006	<.011	<.02
13...	*<.01*	*<.01*	*<.02*	*<.02*	--	*<.01*	--	--	--	--	--	--	*<.02*
13...	*.04*	*E.56*	*E.19*	*.04*	--	*.11*	--	--	--	--	--	--	*.17*
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	*<.003*	*<.010*	*<.004*	*<.022*	*<.006*	*<.011*	--
20...	--	--	--	--	--	--	*<.003*	*<.010*	*<.004*	*<.022*	*<.006*	*<.011*	--
20...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004	<.022	<.006	<.011	<.02
20...	--	--	--	--	--	--	*<.003*	*<.010*	*<.004*	*<.022*	*<.006*	*<.011*	--
20...	--	--	--	--	--	--	*.061*	*.140*	*.110*	*.123*	*.058*	*E.050*	--
JUL													
10...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004	<.022	<.006	<.011	<.02
23...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004	<.022	<.006	<.011	<.02
AUG													
20...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004	<.022	<.006	<.011	<.02
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004	<.022	<.006	<.011	<.02

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

Date	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)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP-ICONA-ZOLE , WATER FLTRD REC (UG/L) (50471)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	SULFO-MET-RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL, WATER, DISS, REC (UG/L) (04032)
OCT													
11...	E.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	E.007	<.009	<.006	<.010
17...	.06	<.004	<.010	<.011	<.02	<.010	<.02	E.007	<.02	E.008	<.009	<.006	<.010
24...	E.01	<.004	<.010	<.011	<.02	<.010	<.02	E.006	<.02	.014	<.009	<.006	<.010
NOV													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	E.008	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	E.009	<.009	<.006	<.010
27...	<.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	E.011	<.009	<.006	<.010
DEC													
06...	E.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	E.009	<.009	<.006	<.010
13...	E.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	E.009	<.009	<.006	<.010
20...	E.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	E.010	<.009	<.02	<.010
JAN													
09...	E.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	.009	<.009	<.02	<.010
09...	*E.01*	*<.004*	*<.010*	*<.011*	*<.02*	--	--	--	--	*.009*	--	*<.02*	--
22...	*<.01*	*<.004*	*<.010*	*<.011*	*<.02*	*<.010*	*<.02*	*<.008*	*<.02*	*<.005*	*<.009*	*<.006*	*<.010*
22...	E.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	.012	<.009	<.006	<.010
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
12...	.03	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	.011	<.009	<.02	<.010
28...	<.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	.010	<.009	<.02	<.010
MAR													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	.02	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	.012	<.009	<.02	<.010
25...	.20	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	.021	<.009	<.02	<.010
APR													
11...	.02	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	.012	<.009	<.02	<.010
25...	.02	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	.010	<.009	<.02	<.010
MAY													
08...	.02	<.004	<.010	<.011	<.02	<.010	<.02	<.009	<.02	.034	<.009	<.02	<.010
28...	.02	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	.013	<.009	<.02	<.010
JUN													
13...	--	--	--	--	--	*<.010*	*<.02*	*<.008*	*<.02*	--	*<.009*	*<.006*	*<.010*
13...	--	--	--	--	--	*<.010*	*<.02*	*<.008*	*<.02*	--	*<.009*	*<.006*	*<.010*
13...	.03	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	.013	<.009	<.02	<.010
13...	--	--	--	--	--	*<.010*	*<.02*	*<.008*	*<.02*	--	*<.009*	*<.006*	*<.010*
13...	--	--	--	--	--	*.143*	*.03*	*.174*	*.12*	--	*.215*	*.212*	*<.010*
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	*<.01*	*<.004*	*<.010*	*<.011*	*<.02*	--	--	--	--	*<.005*	--	*<.02*	--
20...	*<.01*	*<.004*	*<.010*	*<.011*	*<.02*	--	--	--	--	*<.005*	--	*<.02*	--
20...	.03	<.004	<.010	<.011	<.02	<.010	<.02	E.004	<.02	.013	<.009	<.02	<.010
20...	*.03*	*<.004*	*<.010*	*<.011*	*<.02*	--	--	--	--	*.013*	--	*<.02*	--
20...	*.16*	*.124*	*.137*	*.150*	*.11*	--	--	--	--	*.098*	--	*.14*	--
JUL													
10...	E.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	.009	<.009	<.02	<.010
23...	.02	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	.010	<.009	<.02	<.010
AUG													
20...	E.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	.010	<.009	<.02	<.010
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	.02	<.004	<.010	<.011	<.02	<.010	<.02	E.005	<.02	.011	<.009	<.02	<.010

LAS VEGAS VALLEY

094196783 LAS VEGAS WASH BELOW FLAMINGO WASH CONFLUENCE NEAR LAS VEGAS, NV--Continued

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

Date	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-BENURON METHYL WATER FLTRD (UG/L) (61159)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	UREA 3(4-CHLOROPHENYL METHYL WAT FLT REC (UG/L) (61692)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)
OCT													
11...	<.034	<.02	--	<.005	<.002	<.009	<.02	<.009	<.02	<.03	<.06	<.04	<.04
17...	<.034	<.02	--	<.005	<.002	<.009	<.02	<.009	<.02	--	--	--	--
24...	<.034	<.02	M	<.005	<.002	<.009	<.02	<.009	<.02	<.03	<.06	<.04	<.04
NOV													
14...	--	--	--	--	--	--	--	--	--	*<.03*	*<.06*	*<.04*	*<.04*
14...	--	--	--	--	--	--	--	--	--	*<.03*	*<.06*	*<.04*	*<.04*
14...	--	--	--	--	--	--	--	--	--	*<.03*	*<.06*	*<.04*	*<.04*
14...	<.034	<.02	M	<.005	<.002	<.009	<.02	<.009	<.02	<.03	<.06	<.04	<.04
27...	<.034	<.02	M	<.005	<.002	--	<.02	<.009	<.02	--	--	--	--
DEC													
06...	<.034	<.02	M	<.005	<.002	<.009	<.02	<.009	<.02	<.03	<.06	<.04	<.04
13...	<.034	<.02	M	<.005	<.002	--	<.02	<.009	<.02	--	--	--	--
20...	<.034	<.02	--	<.005	<.002	--	<.02	<.009	<.02	<.03	<.06	<.04	<.04
JAN													
09...	<.034	<.02	--	<.005	<.002	--	<.02	<.009	<.02	<.03	<.06	<.04	<.04
09...	*<.034*	*<.02*	*M*	*<.005*	*<.002*	--	--	*<.009*	--	*<.03*	*<.06*	*<.04*	*<.04*
22...	*<.034*	*<.02*	--	*<.005*	*<.002*	--	*<.02*	*<.009*	*<.02*	*<.03*	*<.06*	*<.04*	*<.04*
22...	<.034	<.02	--	<.005	<.002	--	<.02	<.009	<.02	<.03	<.06	<.04	<.04
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
12...	<.034	<.02	M	<.005	<.002	--	<.02	<.009	<.02	<.03	<.06	<.04	<.04
28...	<.034	<.02	M	<.005	<.002	--	<.02	<.009	<.02	<.03	<.06	<.04	<.04
MAR													
12...	--	--	--	--	--	--	--	--	--	*<.03*	*<.06*	*<.04*	*<.04*
12...	--	--	--	--	--	--	--	--	--	*<.03*	*<.06*	*<.04*	*<.04*
12...	<.034	<.02	--	<.005	<.002	--	<.02	<.009	<.02	<.03	<.06	<.04	<.04
25...	<.034	<.02	--	<.005	<.002	--	<.02	<.009	<.02	<.06	<.12	<.07	<.08
APR													
11...	<.034	<.02	--	<.005	<.002	--	<.02	<.009	<.02	<.03	<.06	<.04	<.04
25...	<.034	<.02	--	<.005	<.002	--	<.02	<.009	<.02	--	--	--	--
MAY													
08...	<.034	<.02	--	<.005	<.002	--	<.02	<.009	<.02	<.03	<.06	<.04	<.04
28...	<.034	<.02	--	<.005	<.002	--	<.02	<.009	<.02	--	--	--	--
JUN													
13...	--	--	--	--	--	--	*<.02*	--	*<.02*	--	--	--	--
13...	--	--	--	--	--	--	*<.02*	--	*<.02*	--	--	--	--
13...	<.034	<.02	--	<.005	<.002	--	<.02	<.009	<.02	<.03	<.06	<.04	<.04
13...	--	--	--	--	--	--	*<.02*	--	*<.02*	--	--	--	--
13...	--	--	--	--	--	--	*.15*	--	*.16*	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	*.43*	*.58*	*.63*	*.41*
20...	*<.034*	*<.02*	--	*<.005*	*<.002*	--	--	*<.009*	--	--	--	--	--
20...	*<.034*	*<.02*	--	*<.005*	*<.002*	--	--	*<.009*	--	--	--	--	--
20...	<.034	<.02	--	<.005	<.002	--	<.02	<.009	<.02	--	--	--	--
20...	*<.034*	*<.02*	--	*<.005*	*<.002*	--	--	*<.009*	--	--	--	--	--
20...	*E.132*	*.10*	--	*.127*	*.119*	--	--	*.109*	--	--	--	--	--
JUL													
10...	<.034	<.02	--	<.005	<.002	--	<.02	<.009	<.02	<.03	<.06	<.04	<.04
23...	<.034	<.02	--	<.005	<.002	--	<.02	<.009	<.02	--	--	--	--
AUG													
20...	<.034	<.02	--	<.005	<.002	--	<.02	<.009	<.02	<.03	<.06	<.04	<.04
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	<.034	<.02	--	<.005	<.002	--	<.02	<.009	<.02	--	--	--	--

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

Date	1,1-DI CHLORO-PRO-PENE, WAT, WH TOTAL (UG/L) (77168)	123-TRI CHLORO-PROPANE WATER WHOLE TOTAL (UG/L) (77443)	1,2-DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	2,2-DI CHLORO-PRO-PANE WAT, WH TOTAL (UG/L) (77170)	2BUTENE TRANS-1 4-DI-CHLORO UNFLTRD RECOVER (UG/L) (73547)	2-HEXA-NONE WATER WHOLE TOTAL (UG/L) (77103)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ACRYLO-NITRILE TOTAL (UG/L) (34215)	1,2,3-TRI-CHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 123-TRI METHYL-WATER UNFLTRD RECOVER (UG/L) (77221)
OCT													
11...	<.03	<.16	<.04	<.1	<.03	<.03	<.05	<.7	<.7	<7	<1	<.3	<.1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	<.05	<.16	<.04	<.1	<.03	<.03	<.05	<.7	<.7	<7	<1	<.3	<.1
NOV													
14...	*<.05*	*<.16*	*<.04*	*<.1*	*<.03*	*<.03*	*<.05*	*<.7*	*<.7*	*<7*	*<1*	*<.3*	*<.1*
14...	*<.05*	*<.16*	*<.04*	*<.1*	*<.03*	*<.03*	*<.05*	*<.7*	*<.7*	*<7*	*<1*	*<.3*	*<.1*
14...	*<.05*	*<.16*	*<.04*	*<.1*	*<.03*	*<.03*	*<.05*	*<.7*	*<.7*	*<7*	*<1*	*<.3*	*<.1*
14...	<.05	<.16	<.04	<.1	<.03	<.03	<.05	<.7	<.7	<7	<1	<.3	<.1
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
06...	<.05	<.16	<.04	<.1	<.03	<.03	<.05	<.7	<.7	<7	<1	<.3	M
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<.05	<.16	<.04	<.1	<.03	<.03	<.05	<.7	<.7	E6	<1	<.3	M
JAN													
09...	<.05	<.16	<.04	<.1	<.03	<.03	<.05	<.7	<.7	E5	<1	<.3	M
09...	*<.05*	*<.16*	*<.04*	*<.1*	*<.03*	*<.03*	*<.05*	*<.7*	*<.7*	*E4*	*<1*	*<.3*	*M*
22...	*<.05*	*<.16*	*<.04*	*<.1*	*<.03*	*<.03*	*<.05*	*<.7*	*<.7*	*<7*	*<1*	*<.3*	*<.1*
22...	<.05	<.16	<.04	<.1	<.03	<.03	<.05	<.7	<.7	<7	<1	<.3	<.1
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
12...	<.05	<.16	<.04	<.1	<.03	<.03	<.05	<.7	<.7	E4	<1	<.3	<.1
28...	<.05	<.16	<.04	<.1	<.03	<.03	<.05	<.7	<.7	<7	<1	<.3	<.1
MAR													
12...	*<.05*	*<.16*	*<.04*	*<.1*	*<.03*	*<.03*	*<.05*	*<.7*	*<.7*	*<7*	*<1*	*<.3*	*<.1*
12...	*<.05*	*<.16*	*<.04*	*<.1*	*<.03*	*<.03*	*<.05*	*<.7*	*<.7*	*<7*	*<1*	*<.3*	*<.1*
12...	<.05	<.16	<.04	<.1	<.03	<.03	<.05	<.7	<.7	<7	<1	<.3	<.1
25...	<.10	<.32	<.07	<.3	<.06	<.06	<.10	<1.4	<1.4	<14	<2	<.5	<.2
APR													
11...	<.05	<.16	<.04	<.1	<.03	<.03	<.05	<.7	<.7	<7	<1	<.3	<.1
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
08...	<.05	<.16	<.04	<.1	<.03	<.03	<.05	<.7	<.7	<7	<1	<.3	<.1
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<.05	<.16	<.04	<.1	<.03	<.03	<.05	<.7	<.7	<7	<1	<.3	<.1
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	*.61*	*2.82*	*.45*	*2.0*	*.65*	*.42*	*.76*	*6.5*	*7.2*	*68*	*23*	*2.7*	*1.1*
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
10...	<.05	<.16	<.04	<.1	<.03	<.03	<.05	<.7	<.7	<7	<1	<.3	<.1
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
20...	<.05	<.16	<.04	<.1	<.03	<.03	<.05	<.7	<.7	<7	<1	<.3	<.1
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

LAS VEGAS VALLEY

094196783 LAS VEGAS WASH BELOW FLAMINGO WASH CONFLUENCE NEAR LAS VEGAS, NV--Continued

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

Date	BENZENE 1,2,4-TRI-CHLORO-WAT UNF REC (UG/L) (34551)	BENZENE 124-TRI METHYL UNFILT RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	[a]BENZENE 14BRFL-SURROG VOC UNFLTRD REC PERCENT (99834)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	ISO-PROPYL-BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	BENZENE SEC BUTYL-WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT-BUTYL-WATER UNFLTRD REC (UG/L) (77353)	BENZENE TOTAL (UG/L) (34030)
OCT													
11...	<.2	E.03	E.01	<.03	98.1	E.04	<.03	<.2	<.04	<.03	<.03	<.06	E.03
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	<.1	<.06	<.04	<.03	100	E.03	<.06	<.2	<.04	<.03	<.03	<.05	<.04
NOV													
14...	*<.1*	*<.06*	*<.04*	*<.03*	*92.6*	*<.05*	*<.06*	*<.2*	*<.04*	*<.03*	*<.03*	*<.05*	*<.04*
14...	*<.1*	*<.06*	*<.04*	*<.03*	*91.9*	*<.05*	*<.06*	*<.2*	*<.04*	*<.03*	*<.03*	*<.05*	*<.04*
14...	*<.1*	*<.06*	*<.04*	*<.03*	*92.0*	*<.05*	*<.06*	*<.2*	*<.04*	*<.03*	*<.03*	*<.05*	*<.04*
14...	<.1	<.06	<.04	<.03	91.9	<.05	<.06	<.2	<.04	<.03	<.03	<.05	E.01
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
06...	<.1	E.03	<.04	<.03	94.2	E.03	<.06	<.2	<.04	<.03	<.03	<.05	E.03
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<.1	E.04	E.01	<.03	89.8	E.03	<.06	<.2	<.04	<.03	<.03	<.05	E.05
JAN													
09...	<.1	E.06	E.01	<.03	93.1	E.04	<.06	<.2	<.04	<.03	<.03	<.05	E.05
09...	*<.1*	*E.06*	*E.01*	*<.03*	*99.7*	*E.04*	*<.06*	*<.2*	*<.04*	*<.03*	*<.03*	*<.05*	*E.05*
22...	*<.1*	*<.06*	*<.04*	*<.03*	*89.2*	*E.02*	*<.06*	*<.2*	*<.04*	*<.03*	*<.03*	*<.05*	*<.04*
22...	<.1	E.05	E.01	<.03	90.8	E.03	<.06	<.2	<.04	<.03	<.03	<.05	E.05
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
12...	<.1	E.06	<.04	<.03	109	E.04	<.06	<.2	<.04	<.03	<.03	<.05	E.05
28...	<.1	E.06	<.04	<.03	115	<.05	<.06	<.2	<.04	<.03	<.03	<.05	E.05
MAR													
12...	*<.1*	*<.06*	*<.04*	*<.03*	*109*	*E.03*	*<.06*	*<.2*	*<.04*	*<.03*	*<.03*	*<.05*	*<.04*
12...	*<.1*	*<.06*	*<.04*	*<.03*	*108*	*E.08*	*<.06*	*<.2*	*<.04*	*<.03*	*<.03*	*<.05*	*<.04*
12...	<.1	E.01	<.04	<.03	115	<.05	<.06	<.2	<.04	<.03	<.03	<.05	E.03
25...	<.1	<.11	<.09	<.06	110	<.10	<.12	<.4	<.08	<.06	<.06	<.10	<.07
APR													
11...	<.1	<.06	<.04	<.03	88.0	E.03	<.06	<.2	<.04	<.03	<.03	<.05	E.02
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
08...	<.1	<.06	<.04	<.03	98.0	<.05	<.06	<.2	<.04	<.03	<.03	<.05	<.04
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<.1	<.06	<.04	<.03	93.1	E.02	<.06	<.2	<.04	<.03	<.03	<.05	E.02
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	*1.7*	*.60*	*.47*	*.46*	*99.1*	*.48*	*.47*	*1.6*	*.42*	*.47*	*.47*	*.95*	*.51*
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
10...	<.1	<.06	<.04	<.03	83.7	<.05	<.06	<.2	<.04	<.03	<.03	<.05	<.04
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
20...	<.1	<.06	<.04	<.03	95.1	<.05	<.06	<.2	<.04	<.03	<.03	<.05	<.04
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Date	BROMO-BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	BROMO-ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	BROMO-FORM TOTAL (UG/L) (32104)	CARBON DI-SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-ETHANE TOTAL (UG/L) (34311)	CHLORO-FORM TOTAL (UG/L) (32106)	CIS-1,2-DI-CHLORO-ETHENE WATER TOTAL (UG/L) (77093)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	DIBROMO CHLORO-PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	DI-BROMO-METHANE WATER WHOLE RECOVER (UG/L) (30217)
OCT													
11...	<.04	<.1	<.06	E.02	<.06	<.03	<.2	<.1	E.02	<.04	<.09	<.5	<.05
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	<.04	<.1	<.06	<.07	<.06	<.03	<.2	<.1	E.01	<.04	<.09	<.5	<.05
NOV													
14...	*<.04*	*<.1*	*<.06*	*<.07*	*<.06*	*<.03*	*<.2*	*<.1*	*<.02*	*<.04*	*<.09*	*<.5*	*<.05*
14...	*<.04*	*<.1*	*<.06*	*<.07*	*<.06*	*<.03*	*<.2*	*<.1*	*<.02*	*<.04*	*<.09*	*<.5*	*<.05*
14...	*<.04*	*<.1*	*<.06*	*<.07*	*<.06*	*<.03*	*<.2*	*<.1*	*<.02*	*<.04*	*<.09*	*<.5*	*<.05*
14...	<.04	<.1	<.06	<.07	<.06	<.03	<.2	<.1	E.02	<.04	<.09	<.5	<.05
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
06...	<.04	<.1	E.04	E.02	<.06	<.03	<.2	<.1	E.03	<.04	<.09	<.5	<.05
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<.04	<.1	<.06	<.07	<.06	<.03	<.2	<.1	E.02	<.04	<.09	<.5	<.05
JAN													
09...	<.04	<.1	<.06	<.07	<.06	<.03	<.2	<.1	E.02	<.04	<.09	<.5	<.05
09...	*<.04*	*<.1*	*<.06*	*<.07*	*<.06*	*<.03*	*<.2*	*<.1*	*E.02*	*<.04*	*<.09*	*<.5*	*<.05*
22...	*<.04*	*<.1*	*<.06*	*<.07*	*<.06*	*<.03*	*<.2*	*<.1*	*<.02*	*<.04*	*<.09*	*<.5*	*<.05*
22...	<.04	<.1	<.06	<.07	<.06	<.03	<.2	<.1	E.02	<.04	<.09	<.5	<.05
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
12...	<.04	<.1	<.06	E.02	<.06	<.03	<.2	<.1	E.03	<.04	<.09	<.5	<.05
28...	<.04	<.1	<.06	E.03	<.06	<.03	<.2	<.1	E.03	<.04	<.09	<.5	<.05
MAR													
12...	*<.04*	*<.1*	*<.06*	*<.07*	*<.06*	*<.03*	*<.2*	*<.1*	*<.02*	*<.04*	*<.09*	*<.5*	*<.05*
12...	*<.04*	*<.1*	*<.06*	*<.07*	*<.06*	*<.03*	*<.2*	*<.1*	*<.02*	*<.04*	*<.09*	*<.5*	*<.05*
12...	<.04	<.1	<.06	E.04	<.06	<.03	<.2	<.1	E.03	<.04	<.09	<.5	<.05
25...	<.07	<.2	<.12	<.14	<.12	<.06	<.4	<.2	E.11	<.08	<.18	<1.0	<.10
APR													
11...	<.04	<.1	<.06	E.03	<.06	<.03	<.2	<.1	E.04	<.04	<.09	<.5	<.05
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
08...	<.04	<.1	<.06	<.07	<.06	<.03	<.2	<.1	E.02	<.04	<.09	<.5	<.05
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<.04	<.1	<.06	<.07	<.06	<.03	<.2	<.1	E.05	<.04	<.09	<.5	<.05
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	*.44*	*1.5*	*1.81*	*.53*	*.76*	*.46*	*1.7*	*.9*	*.53*	*.46*	*.82*	*4.6*	*.50*
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
10...	<.04	<.1	E.09	E.07	<.06	<.03	<.2	<.1	E.07	<.04	<.09	<.5	<.05
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
20...	<.04	<.1	.54	E.06	<.06	<.03	.4	<.1	.17	<.04	<.09	<.5	<.05
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Date	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	DI-ISO-PROPYL-ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	ETHANE, 1112-TETRA-CHLORO-WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	[a]ETHANE 12DICL SURROG VOC UNFLTRD REC PERCENT (99832)	ETHANE HEXA-CHLORO-WATER UNFLTRD RECOVER (UG/L) (34396)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT-BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYL-BENZENE TOTAL (UG/L) (34371)	FREON-113 WATER UNFLTRD REC (UG/L) (77652)	FURAN, TETRA-HYDRO-WATER UNFLTRD RECOVER (UG/L) (81607)
OCT													
11...	<.05	<.27	<.10	<.03	<.09	109	<.2	<.2	<.05	<.11	E.01	<.06	<2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	<.05	<.18	<.10	<.03	<.09	118	<.2	<.2	<.05	<.08	<.03	<.06	<2
NOV													
14...	*<.05*	*<.18*	*<.10*	*<.03*	*<.09*	*125*	*<.2*	*<.2*	*<.05*	*<.08*	*<.03*	*<.06*	*<2*
14...	*<.05*	*<.18*	*<.10*	*<.03*	*<.09*	*124*	*<.2*	*<.2*	*<.05*	*<.08*	*<.03*	*<.06*	*<2*
14...	*<.05*	*<.18*	*<.10*	*<.03*	*<.09*	*123*	*<.2*	*<.2*	*<.05*	*<.08*	*<.03*	*<.06*	*<2*
14...	<.05	<.18	<.10	<.03	<.09	131	<.2	<.2	<.05	<.08	<.03	<.06	<2
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
06...	<.05	<.18	<.10	<.03	<.09	122	<.2	<.2	<.05	<.08	E.02	<.06	<2
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<.05	<.18	<.10	<.03	<.09	122	<.2	<.2	<.05	<.08	E.02	<.06	<2
JAN													
09...	<.05	<.18	<.10	<.03	<.09	123	<.2	<.2	<.05	<.08	E.03	<.06	<2
09...	*<.05*	*<.18*	*<.10*	*<.03*	*<.09*	*123*	*<.2*	*<.2*	*<.05*	*<.08*	*E.03*	*<.06*	*<2*
22...	*<.05*	*<.18*	*<.10*	*<.03*	*<.09*	*110*	*<.2*	*<.2*	*<.05*	*<.08*	*<.03*	*<.06*	*<2*
22...	<.05	<.18	<.10	<.03	<.09	118	<.2	<.2	<.05	<.08	E.02	<.06	<2
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
12...	<.05	<.18	<.10	<.03	<.09	107	<.2	<.2	<.05	<.08	E.02	<.06	<2
28...	<.05	<.18	<.10	<.03	<.09	108	<.2	<.2	<.05	<.08	E.02	<.06	<2
MAR													
12...	*<.05*	*<.18*	*<.10*	*<.03*	*<.09*	*115*	*<.2*	*<.2*	*<.05*	*<.08*	*<.03*	*<.06*	*<2*
12...	*<.05*	*<.18*	*<.10*	*<.03*	*<.09*	*114*	*<.2*	*<.2*	*<.05*	*<.08*	*<.03*	*<.06*	*<2*
12...	<.05	<.18	<.10	<.03	<.09	121	<.2	<.2	<.05	<.08	E.01	<.06	<2
25...	E.07	<.36	<.20	<.06	<.18	118	<.4	<.3	<.10	<.16	<.06	<.12	<4
APR													
11...	<.05	<.18	<.10	<.03	<.09	121	<.2	<.2	<.05	<.08	<.03	<.06	<2
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
08...	<.05	<.18	<.10	<.03	<.09	108	<.2	<.2	<.05	<.08	<.03	<.06	<2
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<.05	<.18	<.10	<.03	<.09	109	<.2	<.2	<.05	<.08	<.03	<.06	<2
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	*.49*	*E3.32*	*.90*	*.46*	*1.22*	*105*	*1.7*	*1.5*	*.45*	*1.02*	*.48*	*.40*	*19*
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
10...	<.05	<.18	<.10	<.03	<.09	122	<.2	<.2	<.05	<.08	<.03	<.06	<2
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
20...	.13	<.18	<.10	<.03	<.09	130	<.2	<.2	<.05	<.08	<.03	<.06	<2
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Date	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L) (39702)	ISO-DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	METHAC-RYLATE ETHYL-WATER UNFLTRD RECOVER (UG/L) (73570)	METHAC-RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	METH-ACRYLO-NITRILE WATER UNFLTRD RECOVER (UG/L) (81593)	METHANE BROMO CHLORO-WAT UNFLTRD REC (UG/L) (77297)	METHYL ACRY-LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	METHYL-ETHYL-KETONE WATER WHOLE TOTAL (UG/L) (81595)
OCT													
11...	<.1	<.2	<.2	<.3	<.6	<.04	<1.4	<.12	<.2	<.3	<.2	M	<1.6
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	<.1	<.2	<.2	<.3	<.6	<.07	<2.0	<.25	<.2	<.3	<.2	<.2	<5.0
NOV													
14...	*<.1*	*<.2*	*<.2*	*<.3*	*<.6*	*<.07*	*<2.0*	*<.25*	*<.2*	*<.3*	*<.2*	*<.2*	*<5.0*
14...	*<.1*	*<.2*	*<.2*	*<.3*	*<.6*	*<.07*	*<2.0*	*<.25*	*<.2*	*<.3*	*<.2*	*<.2*	*<5.0*
14...	*<.1*	*<.2*	*<.2*	*<.3*	*<.6*	*<.07*	*<2.0*	*<.25*	*<.2*	*<.3*	*<.2*	*<.2*	*<5.0*
14...	<.1	<.2	<.2	<.3	<.6	<.07	<2.0	<.25	<.2	<.3	<.2	<.2	<5.0
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
06...	<.1	M	<.2	<.3	<.6	<.07	<2.0	<.25	<.2	<.3	<.2	<.2	<5.0
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<.1	M	<.2	<.3	<.6	<.07	<2.0	<.25	<.2	<.3	<.2	M	<5.0
JAN													
09...	<.1	M	<.2	<.3	<.6	<.07	<2.0	<.25	<.2	<.3	<.2	M	<5.0
09...	*<.1*	*M*	*<.2*	*<.3*	*<.6*	*<.07*	*<2.0*	*<.25*	*E.1*	*<.3*	*<.2*	*M*	*<5.0*
22...	*<.1*	*<.2*	*<.2*	*<.3*	*<.6*	*<.07*	*<2.0*	*<.25*	*<.2*	*<.3*	*<.2*	*<.2*	*<5.0*
22...	<.1	<.2	<.2	<.3	<.6	<.07	<2.0	<.25	<.2	<.3	<.2	<.2	<5.0
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
12...	<.1	<.2	<.2	<.3	<.6	<.07	<2.0	<.25	E.1	<.3	<.2	M	<5.0
28...	<.1	<.2	<.2	<.3	<.6	<.07	<2.0	<.25	<.2	<.3	<.2	<.2	<5.0
MAR													
12...	*<.1*	*<.2*	*<.2*	*<.3*	*<.6*	*<.07*	*<2.0*	*<.25*	*<.2*	*<.3*	*<.2*	*<.2*	*<5.0*
12...	*<.1*	*<.2*	*<.2*	*<.3*	*<.6*	*<.07*	*<2.0*	*<.25*	*<.2*	*<.3*	*<.2*	*<.2*	*<5.0*
12...	<.1	<.2	<.2	<.3	<.6	<.07	<2.0	<.25	<.2	<.3	<.2	<.2	<5.0
25...	<.3	<.4	<.4	<.7	<1.2	<.14	<4.0	<.50	<.3	<.5	<.3	<.3	<10.0
APR													
11...	<.1	<.2	<.2	<.3	<.6	<.07	<2.0	<.25	<.2	<.3	<.2	<.2	<5.0
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
08...	<.1	<.2	<.2	<.3	<.6	<.07	<2.0	<.25	<.2	<.3	<.2	<.2	<5.0
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<.1	<.2	<.2	<.3	<.6	<.07	<2.0	<.25	<.2	<.3	<.2	<.2	<5.0
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	*1.2*	*2.4*	*2.7*	*6.2*	*9.8*	*1.73*	*22.7*	*E3.61*	*1.8*	*E4.0*	*E2.0*	*1.5*	*40.8*
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
10...	<.1	<.2	<.2	<.3	<.6	<.07	<2.0	<.25	<.2	<.3	<.2	<.2	<5.0
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
20...	<.1	<.2	<.2	<.3	<.6	<.07	<2.0	<.25	<.2	<.3	<.2	<.2	<5.0
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

LAS VEGAS VALLEY

094196783 LAS VEGAS WASH BELOW FLAMINGO WASH CONFLUENCE NEAR LAS VEGAS, NV--Continued

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

Date	METHYL ISO-BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	META/ PARA-XYLENE WATER UNFLTRD REC (UG/L) (85795)	NAPHTH-ALENE TOTAL (UG/L) (34696)	O-CHLORO-TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	P-ISO-PROPYL-TOLUENE WATER WHOLE REC (UG/L) (77356)	1234-TETRA METHYL BENZENE UNFLTRD REC (UG/L) (49999)	1,3-DI-CHLORO-PROPANE WAT. WH TOTAL (UG/L) (77173)	PROPENE 3-CHLORO-WATER UNFLTRD RECOVER (UG/L) (78109)	STYRENE TOTAL (UG/L) (77128)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	[a]TOLUENE D8 SURROG VOC UNFLTRD REC PERCENT (99833)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)
OCT													
11...	<.4	E.06	<.5	<.03	E.03	<.07	<.2	<.1	<.07	E.01	E.01	101	E.01
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	<.4	<.06	<.5	<.03	<.07	<.07	<.2	<.1	<.07	<.04	E.01	103	<.06
NOV													
14...	*<.4*	*<.06*	*<.5*	*<.03*	*<.07*	*<.07*	*<.2*	*<.1*	*<.07*	*<.04*	*<.03*	*104*	*<.06*
14...	*<.4*	*<.06*	*<.5*	*<.03*	*<.07*	*<.07*	*<.2*	*<.1*	*<.07*	*<.04*	*<.03*	*104*	*<.06*
14...	*<.4*	*<.06*	*<.5*	*<.03*	*<.07*	*<.07*	*<.2*	*<.1*	*<.07*	*<.04*	*<.03*	*105*	*<.06*
14...	<.4	<.06	<.5	<.03	<.07	<.07	<.2	<.1	<.07	<.04	E.01	104	<.06
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
06...	<.4	E.06	<.5	<.03	E.04	<.07	<.2	<.1	<.07	E.01	E.02	103	E.01
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<.4	E.08	<.5	<.03	E.05	<.07	<.2	<.1	<.07	E.01	E.02	98.2	E.01
JAN													
09...	<.4	E.09	<.5	<.03	E.06	<.07	<.2	<.1	<.07	E.01	E.02	101	E.01
09...	*<.4*	*E.10*	*E.2*	*<.03*	*E.07*	*<.07*	*<.2*	*<.1*	*<.07*	*E.01*	*E.02*	*103*	*E.02*
22...	*<.4*	*<.06*	*<.5*	*<.03*	*<.07*	*<.07*	*<.2*	*<.1*	*<.07*	*<.04*	*<.03*	*97.6*	*<.06*
22...	<.4	E.08	<.5	<.03	E.05	<.07	<.2	<.1	<.07	<.04	E.02	98.0	E.01
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
12...	<.4	E.09	<.5	<.03	E.06	<.07	<.2	<.1	<.07	<.04	E.04	99.4	<.06
28...	<.4	E.07	<.5	<.03	E.04	<.07	<.2	<.1	<.07	<.04	E.02	105	<.06
MAR													
12...	*<.4*	*<.06*	*<.5*	*<.03*	*<.07*	*<.07*	*<.2*	*<.1*	*<.07*	*<.04*	*<.03*	*100*	*<.06*
12...	*<.4*	*<.06*	*<.5*	*<.03*	*<.07*	*<.07*	*<.2*	*<.1*	*<.07*	*<.04*	*<.03*	*99.5*	*<.06*
12...	<.4	E.05	<.5	<.03	<.07	<.07	<.2	<.1	<.07	<.04	E.02	104	<.06
25...	<.7	<.12	<1.0	<.05	<.14	<.14	<.5	<.2	<.14	<.08	E.03	99.8	<.12
APR													
11...	<.4	<.06	<.5	<.03	<.07	<.07	<.2	<.1	<.07	<.04	E.01	98.2	<.06
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
08...	<.4	<.06	<.5	<.03	<.07	<.07	<.2	<.1	<.07	<.04	<.03	99.0	<.06
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<.4	E.02	<.5	<.03	<.07	<.07	<.2	<.1	<.07	<.04	E.01	99.4	<.06
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	*5.1*	*1.16*	*4.3*	*.45*	*.61*	*1.01*	*2.4*	*1.2*	*1.33*	*.41*	*.94*	*100*	*.90*
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
10...	<.4	<.06	<.5	<.03	<.07	<.07	<.2	<.1	<.07	<.04	<.03	101	<.06
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
20...	<.4	<.06	<.5	<.03	<.07	<.07	<.2	<.1	<.07	<.04	<.03	104	<.06
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Date	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	TOLUENE TOTAL (UG/L) (34010)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	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									
11...	<.06	E.09	<.09	<.04	<.09	<.1	54	20	.49
17...	--	--	--	--	--	--	46	17	.48
24...	<.05	E.01	<.09	<.04	<.09	<.1	32	15	.39
NOV									
14...	*<.05*	*E.01*	*<.09*	*<.04*	*<.09*	*<.1*	--	--	--
14...	*<.05*	*E.01*	*<.09*	*<.04*	*<.09*	*<.1*	--	--	--
14...	*<.05*	*E.01*	*<.09*	*<.04*	*<.09*	*<.1*	--	--	--
14...	<.05	E.01	<.09	<.04	<.09	<.1	63	11	E.39
27...	--	--	--	--	--	--	52	20	.69
DEC									
06...	<.05	.11	<.09	<.04	<.09	<.1	43	41	1.2
13...	--	--	--	--	--	--	23	35	E1.2
20...	<.05	.16	<.09	<.04	<.09	<.1	21	40	1.2
JAN									
09...	<.05	.18	<.09	<.04	<.09	<.1	41	20	E.64
09...	*<.05*	*.17*	*<.09*	*<.04*	*<.09*	*<.1*	*38*	*14*	--
22...	*<.05*	*<.05*	*<.09*	*<.04*	*<.09*	*<.1*	--	--	--
22...	<.05	.14	<.09	<.04	<.09	<.1	58	22	.64
22...	--	--	--	--	--	--	17	2	--
FEB									
12...	<.05	.13	<.09	<.04	<.09	<.1	28	24	.71
28...	<.05	.11	<.09	<.04	<.09	<.1	28	25	.81
MAR									
12...	*<.05*	*<.05*	*<.09*	*<.04*	*<.09*	*<.1*	--	--	--
12...	*<.05*	*<.05*	*<.09*	*<.04*	*<.09*	*<.1*	--	--	--
12...	<.05	E.07	<.09	<.04	<.09	<.1	40	11	.29
25...	<.10	<.10	<.18	<.08	<.18	<.2	87	38	1.2
APR									
11...	<.05	E.03	<.09	<.04	<.09	<.1	84	5	.12
25...	--	--	--	--	--	--	78	5	.11
MAY									
08...	<.05	<.05	<.09	<.04	<.09	<.1	58	21	.68
28...	--	--	--	--	--	--	46	6	.13
JUN									
13...	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--
13...	<.05	E.05	<.09	<.04	<.09	<.1	28	10	.27
13...	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--
13...	*.54*	*.51*	*1.30*	*.43*	*1.56*	*.8*	--	--	--
20...	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	45	9	.19
20...	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--
JUL									
10...	<.05	E.01	<.09	<.04	<.09	<.1	50	32	.84
23...	--	--	--	--	--	--	72	20	--
AUG									
20...	<.05	E.01	<.09	<.04	<.09	<.1	33	20	.61
SEP									
12...	--	--	--	--	--	--	67	31	1.8
23...	--	--	--	--	--	--	23	27	.66
30...	--	--	--	--	--	--	--	--	--

LAS VEGAS VALLEY

094196783 LAS VEGAS WASH BELOW FLAMINGO WASH CONFLUENCE NEAR LAS VEGAS, 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
		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	---	---	---	---	---	---	---	---	---	3740	3590	3670
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3690	3590	3630	3760	3220	3520	3720	3650	3680	3890	3770	3830
2	3720	3600	3650	3780	3680	3740	3720	3670	3700	3850	3650	3800
3	3670	3620	3650	3690	3510	3590	3760	3530	3650	3840	3740	3800
4	3710	3610	3660	3580	3330	3480	3740	3680	3720	3870	3720	3820
5	3740	3560	3660	3510	3220	3340	3830	3560	3720	3880	3690	3790
6	3700	3560	3630	3500	3120	3320	3790	3600	3690	3940	3270	3770
7	3680	3380	3560	3650	3160	3430	3830	3780	3810	3920	3760	3890
8	3700	3510	3580	3690	3290	3570	3880	3680	3840	3960	3860	3920
9	3700	3580	3660	3730	3520	3630	3740	3580	3660	3970	3490	3890
10	3720	3640	3680	3800	3690	3750	3910	3740	3850	3950	3570	3850
11	3780	3670	3730	3840	3690	3780	3870	3680	3770	3810	3520	3640
12	3750	3640	3680	3780	3680	3730	3790	3690	3730	3940	3810	3900
13	3720	3640	3680	3840	3470	3700	3800	3680	3740	3950	3880	3910
14	3740	3640	3690	3790	3480	3630	3800	3720	3760	9510	3540	4480
15	3760	3570	3670	3840	3750	3790	3910	3640	3810	3990	3640	3890
16	3790	3540	3630	3860	3780	3820	3900	3750	3820	3930	3400	3840
17	3760	3660	3690	3900	3760	3830	4020	3770	3890	3880	3630	3790
18	3740	3680	3710	3870	3760	3800	3960	3580	3870	3880	3520	3780
19	3760	3680	3720	3820	3680	3750	3940	3840	3890	3920	3300	3800
20	3770	3700	3740	3770	3710	3740	4020	3930	3970	4030	3830	3910
21	3810	3720	3760	3840	3700	3770	4040	3740	3950	3980	3830	3910
22	3800	3700	3750	3830	3710	3790	4020	3860	3960	3930	3740	3850
23	3840	3720	3780	3910	3800	3860	3900	3210	3650	3880	3310	3550
24	3850	3760	3810	3960	1990	2980	3930	3530	3820	3810	3680	3740
25	3880	3780	3830	3440	2580	3130	3940	3860	3900	3840	3750	3790
26	4310	3780	3890	3580	3440	3510	3860	3060	3730	3880	3780	3840
27	3860	3760	3810	3620	3380	3530	3810	3470	3760	3880	3790	3840
28	3890	3250	3760	3680	3380	3560	3850	3760	3820	3850	3720	3790
29	---	---	---	3680	3470	3610	3940	3800	3860	3820	3380	3700
30	---	---	---	3700	3470	3570	3930	3800	3850	3660	3290	3470
31	---	---	---	3720	3610	3680	---	---	---	3620	3410	3510
MONTH	4310	3250	3700	3960	1990	3610	4040	3060	3800	9510	3270	3820

094196783 LAS VEGAS WASH BELOW FLAMINGO WASH CONFLUENCE NEAR LAS VEGAS, NV--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	3630	3520	3580	3490	3170	3420	4090	3800	3920
2	---	---	---	3750	3630	3690	3580	3100	3400	4150	3850	4000
3	---	---	---	3780	3570	3680	3630	3500	3550	4210	3910	4040
4	3810	3600	3670	3770	3540	3660	3640	3510	3590	4140	3860	4010
5	4300	3390	3680	3800	3600	3720	3920	3530	3610	4020	3810	3920
6	3500	2800	3070	3800	3610	3690	3940	3350	3510	3980	3630	3790
7	3840	3460	3690	3760	3580	3680	3590	3410	3490	3830	3560	3650
8	3980	3590	3860	3820	3680	3740	3570	3230	3410	3830	3670	3720
9	3980	3870	3910	3770	3540	3660	3750	3280	3540	3870	3690	3780
10	3950	3760	3860	3770	3520	3650	4050	3280	3750	3820	3700	3770
11	3880	3610	3800	3720	3540	3620	3810	3180	3610	3740	1710	2430
12	3850	3770	3810	3720	3460	3580	3780	3500	3690	2990	1980	2330
13	3880	3790	3840	3710	3530	3620	4020	3630	3860	3620	2990	3370
14	3920	3670	3830	3700	3080	3570	4000	3840	3900	3820	3600	3690
15	3930	3630	3830	3730	3080	3670	3890	3470	3810	3820	3660	3740
16	3910	3760	3820	3690	3410	3570	3950	3460	3710	3920	3760	3820
17	3910	3610	3800	3850	1760	3380	3930	3660	3790	3900	3560	3720
18	3930	3800	3860	2480	1620	1930	3950	3720	3840	3870	3670	3750
19	3920	3760	3840	2960	2480	2690	3950	3840	3910	3870	3740	3800
20	3900	3690	3810	3340	2960	3150	4260	3780	3950	3930	3650	3770
21	3770	2510	3490	3620	3340	3470	4100	3770	3980	3850	3090	3680
22	2950	2120	2550	3610	3480	3550	3870	3700	3770	4190	3700	3830
23	3100	2160	2750	3840	3480	3650	3950	3670	3810	3970	3830	3910
24	3240	3100	3180	3590	3260	3470	4050	3750	3850	4020	3810	3880
25	3310	3190	3230	3500	3240	3380	4240	3950	4070	3880	3800	3840
26	3340	3300	3320	3710	3380	3490	4180	3900	4040	3910	3590	3730
27	3340	3080	3180	3690	3410	3600	4140	3780	3880	3880	3540	3660
28	3300	3180	3220	3640	3450	3550	4890	3580	3850	3820	3550	3690
29	3430	3300	3370	9070	3500	4150	3760	3630	3720	3870	3720	3810
30	3520	3430	3470	3730	3550	3630	3790	3620	3700	3860	3720	3800
31	---	---	---	3550	3040	3290	3910	3650	3770	---	---	---
MONTH	---	---	---	9070	1620	3510	4890	3100	3730	4210	1710	3700

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	---	---	---	---	---	---	---	---	---	10.5	4.0	7.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

LAS VEGAS VALLEY

094196783 LAS VEGAS WASH BELOW FLAMINGO WASH CONFLUENCE NEAR LAS VEGAS, NV--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.0	5.0	8.0	16.0	7.5	11.5	25.5	14.5	19.5	24.5	12.5	17.5
2	14.0	5.5	9.5	15.0	7.0	10.5	26.0	14.5	20.0	25.5	15.0	19.5
3	14.5	6.0	10.0	16.0	6.5	10.5	26.0	15.0	20.0	26.5	15.5	20.5
4	15.0	6.5	10.5	18.0	6.5	12.0	26.0	15.5	20.0	27.5	16.0	21.0
5	15.0	7.5	10.5	17.5	8.0	12.5	23.5	15.5	19.0	28.0	16.5	21.5
6	15.5	6.5	10.5	16.5	9.0	13.0	24.5	16.0	19.5	28.0	17.5	22.0
7	15.5	7.0	11.0	19.0	11.0	14.0	26.0	15.5	20.5	27.0	17.0	21.5
8	16.5	8.0	11.5	17.5	8.5	12.5	25.0	16.0	20.0	26.0	15.5	20.0
9	14.0	7.5	10.0	18.0	8.0	12.5	24.0	16.0	20.0	26.5	15.5	20.5
10	15.5	7.0	10.5	18.0	9.5	13.5	26.0	16.5	20.5	24.0	15.5	19.5
11	16.0	6.5	11.0	21.0	10.5	15.5	27.0	17.0	21.5	25.5	14.5	19.0
12	16.5	8.0	12.0	20.0	11.5	15.5	27.0	18.5	22.0	27.0	15.5	21.0
13	15.5	8.5	12.0	19.0	10.5	14.5	28.0	18.0	22.5	27.5	16.5	21.5
14	18.5	10.5	14.0	18.0	8.5	12.5	25.5	18.0	21.5	29.0	17.5	23.0
15	16.5	10.0	13.0	18.5	8.5	13.0	21.5	14.5	18.5	29.5	18.5	23.5
16	18.0	9.5	13.5	17.0	10.0	12.5	23.0	12.0	16.5	29.0	18.0	23.0
17	14.5	10.0	12.0	17.5	8.0	12.0	20.5	12.5	16.0	29.0	18.5	23.0
18	15.5	8.5	11.5	17.0	10.0	13.0	22.0	11.5	16.0	27.0	18.5	22.0
19	17.0	8.5	12.5	20.0	9.0	14.0	21.0	12.5	16.5	26.0	18.0	21.5
20	18.0	9.5	13.5	21.0	10.5	15.5	23.0	12.0	17.0	24.0	15.5	19.5
21	18.5	10.5	14.0	21.0	12.0	16.0	24.5	13.0	18.5	24.5	13.0	18.5
22	19.0	10.0	14.5	22.5	12.5	17.0	26.0	14.5	19.5	26.5	15.0	20.0
23	18.0	10.5	14.0	20.0	11.5	15.5	24.5	15.5	20.0	27.0	16.0	21.0
24	19.5	10.5	14.5	18.0	12.5	14.5	24.0	15.5	19.5	28.0	17.0	22.0
25	18.5	10.0	14.0	22.0	11.0	16.0	27.0	18.0	21.5	29.0	17.5	22.5
26	17.0	9.5	13.0	23.0	12.5	17.5	24.0	16.0	19.5	27.5	18.5	22.5
27	17.5	9.0	13.0	23.5	12.5	17.5	23.0	13.5	17.5	29.5	18.0	23.0
28	19.0	9.0	13.5	21.5	13.0	17.0	25.0	14.0	19.0	30.0	19.0	24.0
29	---	---	---	24.5	14.0	19.0	25.0	16.0	20.0	31.5	19.5	25.0
30	---	---	---	25.0	14.5	19.5	22.5	14.0	17.5	31.5	20.0	25.0
31	---	---	---	25.0	14.0	19.5	---	---	---	29.0	20.5	24.5
MONTH	19.5	5.0	12.1	25.0	6.5	14.5	28.0	11.5	19.3	31.5	12.5	21.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	33.0	22.0	27.0	30.5	23.5	26.5	31.0	22.0	25.5
2	---	---	---	31.5	22.5	26.5	31.0	23.0	26.5	30.0	21.5	25.0
3	---	---	---	30.5	22.0	26.0	32.0	21.0	25.5	31.0	21.0	25.0
4	30.0	19.5	24.5	33.5	22.0	27.0	29.5	20.0	24.0	30.5	21.0	25.0
5	31.5	20.0	25.5	31.5	22.0	26.0	30.5	20.0	25.0	26.0	22.5	24.0
6	31.0	20.5	25.5	32.0	22.0	26.5	30.5	20.5	24.5	27.0	22.0	24.0
7	29.0	20.5	24.5	32.5	22.0	26.5	31.5	20.0	25.0	27.0	21.0	23.0
8	28.0	19.5	23.0	34.5	22.0	28.0	30.5	19.5	24.5	27.5	20.5	23.5
9	26.5	17.5	21.5	34.5	23.0	28.5	33.0	20.0	26.0	29.0	17.5	23.0
10	29.0	16.0	22.0	35.5	24.0	28.5	32.5	20.5	26.0	27.5	20.0	23.0
11	30.0	17.5	23.5	33.5	25.0	29.0	33.5	20.5	26.5	29.0	21.5	24.5
12	31.0	19.0	24.5	36.0	24.5	29.0	34.0	22.0	27.5	29.5	21.0	25.0
13	32.0	19.5	25.5	34.5	24.0	28.5	34.0	22.5	27.5	30.0	21.0	25.0
14	31.0	20.0	25.0	32.5	25.0	28.5	34.0	22.5	27.5	29.5	20.5	24.5
15	32.0	19.5	25.0	26.5	23.0	25.5	33.5	22.5	27.5	29.5	20.0	24.0
16	32.5	20.0	25.5	33.5	23.0	27.0	33.0	23.0	27.0	27.0	20.5	23.5
17	32.5	20.0	26.0	29.5	23.5	26.0	33.0	23.0	27.0	27.5	18.5	22.5
18	32.5	20.5	26.0	34.0	24.0	28.0	32.0	23.0	27.0	26.5	19.0	22.0
19	33.0	21.5	26.5	34.0	24.5	28.5	30.0	22.5	25.5	26.0	17.5	21.5
20	29.5	22.0	25.5	34.5	23.0	28.0	30.5	22.5	25.5	28.0	18.0	22.5
21	26.0	21.0	23.0	34.0	23.0	27.5	29.5	19.5	23.5	28.5	18.5	23.0
22	31.5	19.5	25.0	33.0	22.5	27.5	30.0	19.5	24.0	29.0	19.0	23.5
23	31.5	19.5	25.0	33.5	23.0	27.5	27.5	19.5	23.0	28.5	19.0	23.5
24	31.0	20.5	25.5	30.5	24.5	27.0	31.0	19.0	24.0	27.0	19.0	23.0
25	33.0	20.5	26.0	34.5	24.0	28.5	30.5	19.5	24.5	28.5	20.5	24.0
26	32.0	21.0	26.0	33.5	23.0	27.5	31.0	19.5	25.0	27.5	19.5	23.0
27	33.0	21.0	26.0	33.0	22.0	26.5	31.0	20.0	24.5	25.5	18.5	21.5
28	32.0	21.0	26.0	33.5	21.0	26.5	29.0	20.0	24.0	25.0	17.5	20.5
29	32.0	20.5	26.0	34.5	21.5	27.5	31.0	19.0	24.5	26.0	18.0	21.5
30	33.0	21.0	26.5	34.0	22.5	28.0	30.5	19.5	24.5	25.0	17.5	21.0
31	---	---	---	33.5	23.5	27.5	28.5	20.0	24.0	---	---	---
MONTH	---	---	---	36.0	21.0	27.4	34.0	19.0	25.4	31.0	17.5	23.4

Remark codes used in this report:
< -- Less than
E: Estimated (see introductory text section titled "Long-Term Method Detection Levels and Laboratory Reporting Levels").
M -- Presence verified, not quantified
[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.

094196784 LAS VEGAS WASH AT VEGAS VALLEY DRIVE NEAR LAS VEGAS, NV

LOCATION.--Lat 36°08'13", long 115°02'16", in NE $^1/_4$ SW $^1/_4$ sec.10, T.21 S., R.62 E., Clark County, Hydrologic Unit 15010015, at junction of Las Vegas Wash and Vegas Valley Drive.

DRAINAGE AREA.--1,019 mi^2.

PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Water stage recorder. Elevation of gage is 1,690 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,000 ft^3/s, July 8, 1999, gage height, 11.22 ft; minimum daily, 7.0 ft^3/s, January 2, 2000. Maximum daily precipitation, 0.98 inches, July 8, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 356 ft^3/s, September 11, gage height, 4.10 ft; minimum daily, 8.3 ft^3/s, June 30, July 2, 5, and 7. Maximum daily precipitation, 0.12 inches, November 24 and March 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	e12	12	11	11	14	12	13	12	8.4	9.3	10
2	13	e12	12	11	11	12	12	13	12	8.3	9.8	10
3	13	e13	12	11	11	13	13	13	12	9.0	9.7	10
4	13	14	12	11	12	13	12	13	12	9.0	9.6	10
5	12	17	12	11	12	14	12	13	12	8.3	9.8	11
6	12	e13	13	11	12	13	13	13	15	8.4	10	12
7	12	e13	13	11	12	12	12	13	12	8.3	10	13
8	11	e13	12	11	12	11	12	13	11	8.8	9.8	11
9	11	e13	12	11	11	11	12	14	11	9.0	9.6	11
10	10	e13	13	11	11	12	11	14	11	8.9	9.4	12
11	10	12	12	11	12	12	12	13	11	9.0	9.7	e47
12	10	12	13	11	12	11	12	12	11	11	9.9	25
13	e9.8	13	13	11	12	13	12	13	11	9.3	9.7	12
14	e8.6	14	19	10	12	13	11	12	11	8.9	9.9	10
15	e8.9	14	21	10	12	13	11	12	11	9.3	10	9.8
16	e10	e11	12	10	12	13	11	12	10	9.4	10	9.6
17	e11	e10	12	9.8	12	13	12	12	10	e22	10	10
18	e11	e9.7	12	9.8	12	13	12	12	9.7	e27	10	9.6
19	13	e9.1	12	9.9	12	14	12	12	9.3	13	10	9.6
20	11	e9.5	11	10	12	14	12	12	9.4	9.9	10	9.9
21	11	e9.8	12	10	12	14	12	11	13	9.8	10	10
22	11	e10	11	9.9	12	13	12	12	e16	9.9	10	10
23	e11	13	11	9.4	13	13	15	13	10	9.6	9.7	10
24	e11	e41	11	9.6	12	e37	13	11	9.2	9.6	9.6	10
25	e11	e35	11	10	12	17	13	12	8.8	9.7	10	10
26	e11	13	11	10	13	14	13	12	8.9	9.2	10	11
27	e11	13	11	10	13	14	13	12	10	9.2	11	10
28	e11	12	11	10	15	13	12	12	9.3	9.2	9.8	9.9
29	e11	13	11	10	---	13	13	13	8.6	9.3	10	9.6
30	e12	13	11	10	---	13	13	12	8.3	9.2	10	9.8
31	e12	---	11	11	---	13	---	12	---	11	10	---
TOTAL	346.3	420.1	382	322.4	337	428	367	386	325.5	320.9	306.3	362.8
MEAN	11.2	14.0	12.3	10.4	12.0	13.8	12.2	12.5	10.8	10.4	9.88	12.1
MAX	13	41	21	11	15	37	15	14	16	27	11	47
MIN	8.6	9.1	11	9.4	11	11	11	11	8.3	8.3	9.3	9.6
AC-FT	687	833	758	639	668	849	728	766	646	637	608	720
†	0.00	0.16	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.04

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

MEAN	15.7	11.4	10.7	15.1	52.0	17.3	11.2	11.0	11.6	40.5	22.3	13.0
MAX	26.5	14.0	12.3	26.5	73.8	19.1	12.2	12.5	13.7	125	40.2	14.0
(WY)	2001	2002	2002	2001	2000	2001	2002	2002	2000	1999	2000	1999
MIN	9.34	9.62	9.15	8.36	12.0	13.8	9.63	9.92	10.1	10.2	9.88	12.0
(WY)	2000	2000	2000	2000	2002	2002	2001	2001	2001	2000	2002	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1999 - 2002	
ANNUAL TOTAL	6779.8		4304.3			
ANNUAL MEAN	18.6		11.8		16.7	
HIGHEST ANNUAL MEAN					19.5	2001
LOWEST ANNUAL MEAN					11.8	2002
HIGHEST DAILY MEAN	845	Feb 28	47	Sep 11	1600	Jul 8 1999
LOWEST DAILY MEAN	8.2	Jan 22	8.3	Jun 30	7.0	Jan 2 2000
ANNUAL SEVEN-DAY MINIMUM	8.4	Jun 13	8.5	Jun 30	7.7	Dec 30 1999
MAXIMUM PEAK FLOW			356	Sep 11	11000	Jul 8 1999
MAXIMUM PEAK STAGE			4.10	Sep 11	11.22	Jul 8 1999
ANNUAL RUNOFF (AC-FT)	13450		8540		12120	
10 PERCENT EXCEEDS	15		13		15	
50 PERCENT EXCEEDS	11		11		11	
90 PERCENT EXCEEDS	9.1		9.6		8.9	

e Estimated
† Precipitation total, in inches

09419679 LAS VEGAS WASTEWAY NEAR EAST LAS VEGAS, NV

LOCATION.--Lat 36°06'22", long 115°01'07", in NW $^1/_4$ SE $^1/_4$ sec.23, T.21 S., R.62 E., Clark County, Hydrologic Unit 15010015, on left bank, 500 ft west of Hollywood Boulevard, and 1.5 mi northeast of East Las Vegas Civic Center.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1979 to September 1983, November 1983 to May 1984, and September 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,650 ft above NGVD of 1929, from topographic map. See WDR NV-97-1 for history of changes prior to 1997 water year. Prior to November 21, 1997, at same site at datum 1.0 ft higher.

REMARKS.--Records fair. Flow regulated by sewage treatment plant. At higher flows, some water can bypass the gage due to overbank flow upstream. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 734 ft^3/s, July 2, 1980, gage height, 5.15 ft, datum then in use; maximum gage height, 6.81 ft, November 21, 1996; minimum daily, 45 ft^3/s, August 22, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 420 ft^3/s, November 24, gage height, 3.92 ft; minimum daily, 164 ft^3/s, November 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	195	190	267	246	220	221	216	200	243	225	220	222
2	181	194	254	230	230	221	203	205	233	226	223	226
3	197	198	249	232	233	228	199	207	233	227	223	216
4	194	202	254	232	229	228	211	213	224	231	221	214
5	186	205	239	241	223	226	211	220	222	231	219	212
6	194	196	241	248	221	226	207	229	227	231	225	217
7	198	196	237	237	221	218	207	217	223	227	221	228
8	196	188	242	241	217	221	208	213	224	228	218	223
9	191	192	244	223	224	225	212	216	227	226	222	221
10	187	199	246	216	222	233	188	214	232	228	227	215
11	187	200	235	227	224	229	210	219	228	232	223	261
12	190	203	226	231	226	221	202	216	225	241	221	235
13	194	205	221	232	231	235	202	221	236	250	218	224
14	195	184	215	223	227	213	207	227	226	231	220	232
15	198	199	248	219	209	222	203	227	214	234	218	225
16	193	198	235	211	234	228	198	e226	214	229	219	223
17	184	198	234	212	236	242	200	227	220	234	223	209
18	191	205	222	213	232	236	201	230	235	261	219	199
19	184	204	204	227	222	220	204	227	225	245	219	216
20	190	196	238	227	231	226	210	219	227	239	216	226
21	192	193	221	232	207	218	214	220	226	229	217	221
22	196	202	229	233	222	230	223	228	244	234	216	208
23	191	203	230	209	223	228	218	214	237	230	218	228
24	191	243	244	231	234	260	201	230	228	230	223	246
25	188	297	235	212	232	231	223	231	230	235	226	224
26	203	258	221	225	222	228	206	235	226	236	226	211
27	194	241	230	222	220	227	204	228	227	242	221	214
28	192	164	244	226	214	225	204	225	228	238	212	222
29	194	264	232	221	---	220	222	220	228	247	215	222
30	196	266	245	208	---	216	216	229	225	242	215	216
31	193	---	250	222	---	211	---	222	---	222	221	---
TOTAL	5955	6283	7332	7009	6286	7013	6230	6855	6837	7261	6825	6656
MEAN	192	209	237	226	224	226	208	221	228	234	220	222
MAX	203	297	267	248	236	260	223	235	244	261	227	261
MIN	181	164	204	208	207	211	188	200	214	222	212	199
AC-FT	11810	12460	14540	13900	12470	13910	12360	13600	13560	14400	13540	13200

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

MEAN	154	156	154	161	161	159	153	149	151	155	158	157
MAX	217	224	237	233	253	226	209	221	228	236	220	237
(WY)	1998	1997	2002	1995	1998	2002	2000	2002	2002	1999	2002	1997
MIN	79.0	83.2	85.5	91.7	94.7	86.4	80.8	79.1	70.3	73.3	66.8	75.0
(WY)	1980	1980	1980	1982	1981	1980	1981	1979	1979	1979	1979	1979

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1979 - 2002	
ANNUAL TOTAL	77188		80542			
ANNUAL MEAN	211		221		158	
HIGHEST ANNUAL MEAN					221	2002
LOWEST ANNUAL MEAN					87.3	1981
HIGHEST DAILY MEAN	414	Feb 28	297	Nov 25	500	Jul 8 1999
LOWEST DAILY MEAN	164	Nov 28	164	Nov 28	45	Aug 22 1979
ANNUAL SEVEN-DAY MINIMUM	190	Oct 17	190	Oct 17	50	Aug 19 1979
MAXIMUM PEAK FLOW			420	Nov 24	734	Jul 2 1980
MAXIMUM PEAK STAGE			3.92	Nov 24	6.81	Nov 21 1996
ANNUAL RUNOFF (AC-FT)	153100		159800		114800	
10 PERCENT EXCEEDS	235		240		216	
50 PERCENT EXCEEDS	206		222		160	
90 PERCENT EXCEEDS	192		196		93	

e Estimated

09419696 DUCK CREEK AT BROADBENT BOULEVARD AT EAST LAS VEGAS, NV

LOCATION.--Lat 36°05'27", long 115°01'23", in NE $^1/_4$ SW $^1/_4$ sec.26, T.12 S., R.62 E., Clark County, Hydrologic Unit 15010005, at Broadbent Boulevard, and 1.2 mi upstream from Las Vegas Wash.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1988-September 2000, miscellaneous measurements and annual peak flow; October 2000 to current year. Previously published as "at Tropicana Avenue".

GAGE.--Water-stage recorder. Elevation of gage is 1,605 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,100 ft^3/s, July 8.1999, from slope-area determination of peak flow, minimum daily, 3.2 ft^3/s, December 5, 6, and 8.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 75 ft^3/s, July 17, gage height, 4.33 ft; minimum daily, 3.2 ft^3/s, December 5, 6, and 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	6.1	4.9	3.5	4.7	6.3	6.4	6.5	6.2	5.5	4.9	e5.1	4.8
2	6.1	4.8	3.6	4.7	6.3	6.2	6.6	6.0	5.3	4.8	e5.1	4.4
3	6.0	4.8	3.6	4.9	6.3	6.1	6.6	6.0	5.3	4.9	e5.1	4.3
4	6.0	4.6	3.4	4.8	6.4	6.2	6.6	6.0	5.3	4.9	e5.1	4.2
5	5.8	4.6	3.2	4.8	6.5	6.3	6.6	6.0	5.3	4.8	e5.1	4.2
6	5.8	4.6	3.2	4.9	6.3	6.4	6.6	6.0	5.3	4.8	e5.1	4.4
7	5.8	4.6	3.3	5.2	6.4	6.6	6.6	6.0	5.3	4.8	e5.1	4.4
8	5.8	4.5	3.2	5.2	6.6	6.5	6.5	6.0	5.3	4.9	e5.1	4.3
9	5.8	4.4	3.4	5.3	6.6	6.3	6.3	5.9	5.3	4.9	e5.1	3.9
10	5.7	4.5	3.5	5.1	6.4	6.4	6.4	5.8	5.3	4.9	e5.1	4.0
11	5.6	4.5	3.5	5.0	6.4	6.5	6.3	5.8	5.3	4.9	e5.2	6.6
12	5.7	4.4	3.5	5.1	6.5	6.5	6.4	5.7	5.3	4.9	e5.1	6.1
13	5.4	4.4	3.6	5.3	6.6	6.6	6.5	5.9	5.3	4.9	e5.1	6.1
14	5.4	4.3	3.7	5.3	6.6	6.4	6.5	6.0	5.3	4.8	e5.1	6.1
15	5.4	4.3	3.6	5.7	6.4	6.3	6.6	6.0	5.0	4.7	e5.1	5.7
16	5.4	4.3	3.6	5.7	6.3	6.5	6.4	6.0	5.0	4.5	e5.2	5.6
17	5.4	4.3	3.6	5.5	6.4	6.5	6.3	5.9	5.0	36	e5.1	5.7
18	5.5	4.3	3.7	5.6	6.4	6.5	6.4	5.7	5.0	e5.8	e5.1	5.6
19	5.4	3.8	3.8	5.8	6.4	6.3	6.3	5.7	5.0	e5.5	e5.1	5.6
20	5.1	3.9	3.8	5.9	6.3	6.3	6.3	5.7	5.0	e5.2	e5.2	5.6
21	5.1	4.2	4.1	5.9	6.5	6.3	6.2	5.7	5.1	e5.1	e5.1	5.6
22	5.2	4.1	4.1	6.1	6.4	6.3	6.2	5.6	5.1	e5.1	e5.1	5.1
23	5.1	4.1	4.1	5.8	6.4	6.4	6.3	5.6	5.1	e5.1	e4.8	5.1
24	5.1	4.2	4.1	5.8	6.5	7.2	6.2	5.6	5.1	e5.1	4.7	5.1
25	4.9	4.0	4.2	6.0	6.3	6.2	6.0	5.6	5.1	e5.1	4.8	5.4
26	4.9	3.6	4.3	6.1	6.3	6.4	6.0	5.6	5.1	e5.1	4.7	5.4
27	5.0	3.5	4.3	6.4	6.3	6.4	6.0	5.6	5.1	e5.1	4.5	5.8
28	4.9	3.5	4.5	6.5	6.3	6.5	6.3	5.5	5.1	e5.1	4.5	6.1
29	5.0	3.6	4.6	6.4	---	6.6	6.4	5.5	5.0	e5.1	4.6	6.4
30	4.9	3.4	4.5	6.5	---	6.6	6.3	5.3	5.0	e5.1	4.6	6.5
31	5.0	---	4.7	6.2	---	6.6	---	5.4	---	e5.1	4.7	---
TOTAL	168.3	127.0	117.8	172.2	179.4	199.3	191.2	179.3	155.2	185.9	154.4	158.1
MEAN	5.43	4.23	3.80	5.55	6.41	6.43	6.37	5.78	5.17	6.00	4.98	5.27
MAX	6.1	4.9	4.7	6.5	6.6	7.2	6.6	6.2	5.5	36	5.2	6.6
MIN	4.9	3.4	3.2	4.7	6.3	6.1	6.0	5.3	5.0	4.5	4.5	3.9
AC-FT	334	252	234	342	356	395	379	356	308	369	306	314

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2002, BY WATER YEAR (WY)

MEAN	5.43	4.23	3.80	5.55	16.2	7.60	8.90	6.22	5.82	10.4	5.37	5.33
MAX	5.43	4.23	3.80	5.55	26.0	8.77	11.4	6.65	6.46	14.7	5.76	5.38
(WY)	2002	2002	2002	2002	2001	2001	2001	2001	2001	2001	2001	2001
MIN	5.43	4.23	3.80	5.55	6.41	6.43	6.37	5.78	5.17	6.00	4.98	5.27
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2002 WATER YEAR		WATER YEARS 2001 - 2002	
ANNUAL TOTAL	1988.1			
ANNUAL MEAN	5.45		5.45	
HIGHEST ANNUAL MEAN			5.45	2002
LOWEST ANNUAL MEAN			5.45	2002
HIGHEST DAILY MEAN	36	Jul 17	339	Feb 28 2001
LOWEST DAILY MEAN	3.2	Dec 5	3.2	Dec 5 2001
ANNUAL SEVEN-DAY MINIMUM	3.3	Dec 4	3.3	Dec 4 2001
MAXIMUM PEAK FLOW	75	Jul 17	3100	Jul 8 1999
MAXIMUM PEAK STAGE	4.33	Jul 17	8.70	Jul 6 2001
ANNUAL RUNOFF (AC-FT)	3940		3950	
10 PERCENT EXCEEDS	6.5		6.5	
50 PERCENT EXCEEDS	5.3		5.3	
90 PERCENT EXCEEDS	4.2		4.2	

e Estimated

09419700 LAS VEGAS WASH AT PABCO ROAD NEAR HENDERSON, NV

LOCATION.--Lat 36°05'15", long 114°59'06", in NW $^1/_4$ SE $^1/_4$ sec.23, T.21 S., R.62 E., Clark County, Hydrologic Unit 15010015, on right bank, at low-head dam, 3.5 mi north of Henderson and 6.0 mi upstream from Lake Mead.

DRAINAGE AREA.--2,125 mi^2, of which 1,518 mi^2 contribute directly to surface runoff. Prior to April 4, 1961, 2,179 mi^2, of which 1,571 mi^2 contributed directly to surface runoff.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1957 to September 1983 and, October 1984 to September 1988 (published as "near Henderson"), October 2000 to current year.

GAGE.--Water-stage recorder and low-head concrete dam. Elevation of gage is 1,540 ft above NGVD of 1929, from topographic map. Prior to October 4, 2000, at several sites and datums within 2.5 mi of current location.

REMARKS.--Records good except for estimated daily discharges, which are poor. Discharge includes treated sewage effluent from municipal treatment plants and some wastewater from industrial plants. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,510 ft^3/s, on basis of area-velocity computation to determine peak flow, July 4, 1975, gage height, 10.67 ft, datum then in use, from floodmarks and rating curve extension above 3,340 ft^3/s; minimum daily, 4.8 ft^3/s, August 17, 1960.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 18,000 ft^3/s, July 8, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 400 ft^3/s, November 24, gage height, 5.96 ft; minimum daily, 150 ft^3/s, November 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	241	224	249	254	247	261	225	201	e226	e226	250	220
2	225	228	236	238	260	251	212	203	235	226	250	224
3	247	228	230	248	263	255	207	207	235	223	248	216
4	243	236	231	241	254	247	221	204	224	224	244	214
5	238	242	220	241	249	244	216	198	226	228	243	212
6	249	234	216	251	253	244	204	211	230	225	248	217
7	256	233	222	252	246	236	208	199	232	213	245	218
8	255	225	228	236	255	237	215	198	236	219	241	196
9	249	227	228	244	268	237	223	202	236	219	247	196
10	244	234	226	236	257	235	199	194	231	225	252	192
11	244	229	213	245	261	231	210	197	222	229	247	228
12	253	236	212	246	263	221	203	206	223	245	246	208
13	254	241	210	243	268	239	196	214	236	252	240	199
14	243	211	206	237	261	220	198	220	230	229	245	207
15	241	231	237	236	241	220	191	215	218	223	244	203
16	235	230	227	227	258	215	186	e218	211	222	237	201
17	223	224	222	223	259	228	185	219	223	232	239	190
18	232	230	217	232	249	233	186	222	243	263	236	181
19	224	226	199	247	243	208	189	217	234	236	235	192
20	230	215	232	248	245	212	203	220	235	247	230	200
21	229	214	219	253	230	207	203	216	237	237	230	197
22	231	225	231	255	245	224	217	224	254	248	229	190
23	224	224	243	228	242	220	215	213	248	250	230	210
24	227	257	256	250	254	241	195	220	239	252	237	227
25	222	283	250	236	254	214	219	219	246	267	241	211
26	230	245	237	239	250	210	201	225	245	259	244	198
27	241	231	240	240	253	214	196	212	244	259	237	200
28	232	150	251	237	246	208	202	213	244	253	226	205
29	232	240	242	238	---	212	213	212	246	263	225	203
30	234	248	250	235	---	214	217	222	e230	258	227	198
31	224	---	250	245	---	212	---	e220	---	243	228	---
TOTAL	7352	6901	7130	7481	7074	7050	6155	6561	7019	7395	7421	6153
MEAN	237	230	230	241	253	227	205	212	234	239	239	205
MAX	256	283	256	255	268	261	225	225	254	267	252	228
MIN	222	150	199	223	230	207	185	194	211	213	225	181
AC-FT	14580	13690	14140	14840	14030	13980	12210	13010	13920	14670	14720	12200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2002, BY WATER YEAR (WY)

MEAN	68.0	73.3	73.5	76.0	78.6	72.5	67.7	63.8	60.7	62.1	67.3	65.9
MAX	239	248	256	288	344	266	242	233	241	239	245	213
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2002	2001	2001
MIN	17.3	19.5	22.5	22.1	21.8	20.9	18.2	14.5	8.76	7.54	8.19	13.2
(WY)	1962	1963	1961	1962	1962	1962	1962	1962	1958	1962	1962	1964

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1958 - 2002	
ANNUAL TOTAL	91156		83692			
ANNUAL MEAN	250		229		69.1	
HIGHEST ANNUAL MEAN					254	2001
LOWEST ANNUAL MEAN					16.9	1962
HIGHEST DAILY MEAN	1340	Feb 28	283	Nov 25	1430	Jul 4 1975
LOWEST DAILY MEAN	150	Nov 28	150	Nov 28	4.8	Aug 17 1960
ANNUAL SEVEN-DAY MINIMUM	208	Sep 12	190	Apr 13	6.6	Jul 7 1962
MAXIMUM PEAK FLOW			400	Nov 24	6510	Jul 4 1975
MAXIMUM PEAK STAGE			5.96	Nov 24	10.67	Jul 4 1975
ANNUAL RUNOFF (AC-FT)	180800		166000		50040	
10 PERCENT EXCEEDS	283		252		136	
50 PERCENT EXCEEDS	241		230		53	
90 PERCENT EXCEEDS	216		203		17	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957 to June 1992, January 2000 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1985 to September 1987.
WATER TEMPERATURE: November 1985 to September 1987.

REMARKS.--Discharge includes treated sewage effluent from municipal treatment plants and some wastewater from industrial plants. City and county sewage treatment plants implemented chemical removal of phosphorus from effluent during water year 1981. Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data".

EXTREMES FOR PERIOD OF DAILY RECORD:--
SPECIFIC CONDUCTANCE: Maximum daily, 3,150 microsiemens/cm, January 5, 1987; minimum daily, 1,470 microsiemens/cm, July 23, 1986.
WATER TEMPERATURE: Maximum daily, 29.0°C, August 4, 6, 1987; minimum daily, 11.5°C, February 11, 1986.

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

Date	Time	Sample type	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	UV ABSORB-ANCE 254 NM, WTR FLT (UNITS /CM) (50624)	UV ABSORB-ANCE 280 NM, WTR FLT (UNITS /CM) (61726)	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 WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV													
26...	0910	ENVIRONMENTAL	226	6.5	--	--	722	7.8	91	7.7	2190	20.0	129
FEB													
25...	0930	ENVIRONMENTAL	201	13	.108	.078	727	8.7	100	7.6	2030	19.5	129
MAY													
21...	0930	ENVIRONMENTAL	142	2.2	.105	.076	718	8.7	108	7.8	2260	22.5	136
AUG													
26...	0815	ENVIRONMENTAL	166	3.0	.093	.068	717	7.0	93	7.8	2170	26.5	127

Date	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	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)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
NOV													
26...	65.7	22.6	218	127	124	151	266	1.0	19.6	565	1520	1430	.09
FEB													
25...	70.0	21.1	227	131	116	142	265	1.0	18.9	579	1560	1440	.14
MAY													
21...	67.6	24.6	231	129	120	146	292	1.1	18.0	567	1600	1470	<.04
AUG													
26...	66.0	24.6	218	120	112	135	277	1.0	20.7	543	1500	1410	<.04

Date	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,PAR TICULTE WAT FLT SUSP (MG/L AS N) (49570)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	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)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)
NOV													
26...	.86	1.1	14.5	.021	.16	.25	.23	.32	1.1	<.1	8.4	1.1	700
FEB													
25...	1.1	1.2	13.5	.037	.10	.24	.20	.30	.8	.1	6.8	.7	150
MAY													
21...	.74	.88	13.8	.021	.03	.14	.13	.17	.5	<.1	6.4	.5	220
AUG													
26...	.60	.70	14.9	.022	.09	.06	.05	.08	.3	<.1	5.6	.3	--

LAS VEGAS VALLEY

09419700 LAS VEGAS WASH AT PABCO ROAD NEAR HENDERSON, NV--Continued

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

Date	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BORON, DIS-SOLVED (UG/L AS B) (01020)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV												
26...	1540	1380	5.1	585	43	81.9	3.2	2150	2.7	--	--	--
FEB												
25...	100	300	6.3	617	37	87.2	2.7	2270	3.6	5	58	2.7
MAY												
21...	150	--	7.6	581	30	85.1	3.8	2340	4.1	5	86	1.9
AUG												
26...	--	--	6.1	1000	38	82.6	3.0	2250	3.4	6	68	2.7

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

LAS VEGAS VALLEY

09419740 C-1 CHANNEL NEAR WARM SPRINGS ROAD AT HENDERSON, NV

LOCATION.--Lat 36°02'41", long 114°57'30" in SE $^1/_4$ SE $^1/_4$ sec.8, T.22 S., R.63 E., Clark County, Hydrologic Unit 15010015, on left bank, 0.8 mi east of Lake Mead Drive and 0.3 mi south of Warm Springs Road.

DRAINAGE AREA.--3.78 mi^2.

PERIOD OF RECORD.--October 1990 to September 1994 (published as "at Warm Springs Road near Henderson"), May 1995 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,870 ft above NGVD of 1929, from topographic map. Prior to May 24, 1995, water-stage recorder at site 0.3 mi downstream at different datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,700 ft^3/s, August 10, 1997, gage height, 18.44 ft; no flow most of time. Maximum daily precipitation, 2.36 inches, August 10, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 234 ft^3/s, April 27, gage height, 12.60 ft; no flow most days. Maximum daily precipitation, 0.24 inches, July 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	e10	0.00	0.00	17	37	30	75	0.00
2	0.0	0.00	0.00	0.00	0.0	0.00	0.00	0.41	4.5	29	71	0.00
3	0.0	0.00	0.00	0.00	0.0	0.00	0.27	0.00	0.0	52	71	0.00
4	0.00	0.00	0.00	34	0.0	0.00	1.5	0.00	0.0	32	71	0.00
5	0.00	0.00	18	16	0.0	0.00	1.2	0.00	0.0	46	71	0.00
6	0.00	10	29	7.4	0.0	0.00	0.0	0.00	0.28	46	72	0.00
7	0.00	7.2	3.9	49	0.0	0.00	0.0	3.2	4.1	50	70	0.00
8	0.00	0.00	0.0	9.7	0.0	0.00	0.66	5.1	0.0	49	76	0.00
9	12	0.00	0.0	3.3	0.0	0.00	4.0	5.6	0.0	48	73	0.00
10	11	0.00	0.0	0.61	0.0	0.00	3.9	8.2	11	46	74	27
11	4.8	0.00	0.0	0.00	0.0	0.00	3.3	6.3	8.7	49	73	35
12	0.00	0.00	0.00	0.00	0.0	0.00	13	3.0	8.7	46	73	34
13	0.00	0.00	0.00	0.00	0.0	0.00	14	11	16	45	76	29
14	0.00	0.00	0.00	0.00	e15	0.00	3.6	11	24	17	86	7.3
15	0.00	0.00	0.00	0.00	41	0.00	1.0	20	14	52	79	7.3
16	0.00	0.00	0.00	0.00	0.0	0.00	29	74	7.3	75	80	3.2
17	0.00	0.00	0.00	0.00	0.0	0.00	44	29	7.3	71	78	0.00
18	0.00	0.00	0.00	0.00	0.0	0.00	72	18	7.3	72	86	0.00
19	0.00	0.00	0.00	56	0.0	0.00	85	5.5	18	63	68	3.2
20	0.00	0.00	21	144	0.00	0.00	14	17	21	66	0.00	7.2
21	0.00	0.00	6.2	165	0.00	0.00	8.7	48	20	69	0.00	40
22	0.00	0.00	0.0	106	0.00	0.00	82	14	20	60	0.00	37
23	0.0	0.00	0.0	4.8	0.00	0.00	106	27	7.3	69	0.00	55
24	0.0	0.00	0.0	0.00	0.00	0.00	155	e15	19	55	0.00	81
25	0.00	0.00	0.0	6.3	0.00	0.00	172	0.0	45	71	0.00	72
26	0.00	0.00	0.0	0.0	17	0.00	158	0.0	62	79	0.00	29
27	0.00	0.00	0.00	0.0	0.0	0.00	130	0.0	59	77	0.00	31
28	0.00	0.00	0.00	0.0	0.0	0.00	136	16	52	76	0.00	83
29	0.00	0.00	0.00	0.0	---	0.00	102	21	35	64	0.00	88
30	0.00	0.00	0.00	0.0	---	0.00	109	0.0	19	70	0.00	83
31	0.00	---	0.00	25	---	0.00	---	0.0	---	68	0.00	---
TOTAL	27.80	17.20	78.10	627.11	83.00	0.00	1449.13	375.31	527.48	1742	1423.00	752.20
MEAN	0.90	0.57	2.52	20.2	2.96	0.000	48.3	12.1	17.6	56.2	45.9	25.1
MAX	12	10	29	165	41	0.00	172	74	62	79	86	88
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00
AC-FT	55	34	155	1240	165	0.00	2870	744	1050	3460	2820	1490
†	0.00	0.04	0.04	0.00	0.00	0.20	0.00	0.00	0.00	0.24	0.00	0.00

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

MEAN	0.11	0.064	0.25	1.93	0.59	0.95	4.39	1.10	1.47	4.81	5.12	2.53
MAX	0.90	0.57	2.52	20.2	2.96	8.24	48.3	12.1	17.6	56.2	45.9	25.6
(WY)	2002	2002	2002	2002	2002	1992	2002	2002	2002	2002	2002	2002
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)	1991	1991	1992	1994	1994	1994	1991	1991	1992	1991	1994	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1990 - 2002	
ANNUAL TOTAL	255.82		7118.33			
ANNUAL MEAN	0.70		19.5		2.06	
HIGHEST ANNUAL MEAN					19.5	2002
LOWEST ANNUAL MEAN					0.000	1994
HIGHEST DAILY MEAN	54	Mar 9	172	Apr 25	417	Aug 10 1997
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1 1990
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1 1990
MAXIMUM PEAK FLOW			234	Apr 27	2700	Aug 10 1997
MAXIMUM PEAK STAGE			12.60	Apr 27	18.44	Aug 10 1997
ANNUAL RUNOFF (AC-FT)	507		14120		1490	
10 PERCENT EXCEEDS	0.00		72		0.00	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated
† Precipitation total, in inches

09419756 LAS VEGAS WASH OVERFLOW AT LAKE LAS VEGAS INLET, NV

LOCATION.--Lat 36°06'09", long 114°56'01", in SE $^1/_4$ SW $^1/_4$ sec.22, T.21 S., R.63 E., Clark County, Hydrologic Unit 15010015, on right end of weir at Lake Las Vegas Inlet structure, about 3.5 mi northeast of Henderson.

DRAINAGE AREA.--2,190 mi^2, approximately.

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

GAGE.--Water-stage recorder. Elevation of gage is 1,400 ft above NGVD of 1929, from topographic map.

REMARKS.--Records excellent. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,000 ft^3/s, July 8, 1999, gage height, 40.04 ft; no flow most of time.

EXTREMES FOR CURRENT YEAR.--No flow this 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MAX	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

MEAN	0.001	0.36	0.000	2.43	14.6	5.04	0.000	0.000	0.000	15.1	0.18	7.58
MAX	0.012	3.97	0.000	23.5	64.4	46.2	0.000	0.000	0.000	146	1.13	75.1
(WY)	1993	1997	1992	1995	2000	1992	1992	1992	1992	1999	2000	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)	1992	1992	1992	1993	1995	1993	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1992 - 2002	
ANNUAL TOTAL		0.00		
ANNUAL MEAN		0.000	3.72	
HIGHEST ANNUAL MEAN			12.4	1999
LOWEST ANNUAL MEAN			0.000	1996
HIGHEST DAILY MEAN			4100	Jul 8 1999
LOWEST DAILY MEAN		0.00 Oct 1	0.00	Oct 1 1991
ANNUAL SEVEN-DAY MINIMUM		0.00 Oct 1	0.00	Oct 1 1991
MAXIMUM PEAK FLOW			17000	Jul 8 1999
MAXIMUM PEAK STAGE			40.04	Jul 8 1999
ANNUAL RUNOFF (AC-FT)		0.00	2690	
10 PERCENT EXCEEDS		0.00	0.00	
50 PERCENT EXCEEDS		0.00	0.00	
90 PERCENT EXCEEDS		0.00	0.00	

09419790 LAS VEGAS WASH BELOW LAKE LAS VEGAS BELOW HENDERSON, NV

LOCATION.--Lat 36°07'14", long 114°54'34", in NW $^1/_4$ SE $^1/_4$ sec.14, T.21 S., R.63 E., Clark County, Hydrologic Unit 15010015, at downstream side of Lake Las Vegas Dam, and about 4.0 mi northeast of Henderson.

DRAINAGE AREA--2,200 mi^2, approximately.

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

GAGE.--Water-stage recorder. Elevation of gage is 1,330 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Discharge is regulated by design capacity of outlet tube in dam and debris accumulations on trash racks during high flows. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,100 ft^3/s, February 7, 1998, gage height, 9.76 ft; maximum gage height, 10.12 ft, July 10, 1996; minimum daily, 107 ft^3/s, June 15, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 579 ft^3/s, June 18, gage height, 6.50 ft; minimum daily, 164 ft^3/s, November 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	254	e242	269	246	255	253	211	188	238	216	e301	e235
2	242	e244	258	243	263	251	202	190	227	215	e288	e237
3	254	e249	256	248	266	251	201	203	233	226	e290	e239
4	246	e257	253	244	264	e233	212	205	217	223	e287	e234
5	234	e259	246	234	258	e232	217	208	226	226	e290	e238
6	240	e256	245	254	264	e230	213	212	230	225	e291	e244
7	243	e251	244	258	257	e225	214	198	224	223	e283	e236
8	244	e245	234	252	242	225	219	207	230	232	e281	e229
9	238	e247	237	255	267	227	228	208	229	224	e281	e226
10	234	e250	240	246	257	225	213	229	225	e247	e293	236
11	236	e252	238	255	260	228	229	244	234	e253	e286	e270
12	239	e256	240	259	264	221	227	214	233	e259	e287	e259
13	245	e260	237	258	267	223	220	214	238	e265	e283	246
14	247	e228	228	263	265	209	221	218	230	e235	e293	e235
15	249	e249	250	258	262	221	213	213	222	e259	e287	e234
16	253	e248	243	253	269	222	214	e210	223	e279	e289	e233
17	238	e247	241	245	270	226	222	206	232	e280	e295	e228
18	245	e258	230	251	272	228	225	227	245	e303	e294	e215
19	236	e252	219	252	268	219	216	221	243	e287	e272	e228
20	242	e240	238	293	267	217	202	216	238	e276	e240	245
21	243	e240	231	299	251	214	200	215	239	e279	e219	258
22	e246	e248	234	298	264	222	216	216	244	e265	e220	248
23	e242	e247	243	241	259	219	221	222	225	e274	e221	271
24	e236	e250	248	262	271	223	230	215	223	e267	e224	e303
25	e231	e280	243	268	274	215	232	209	227	e280	e227	e295
26	e243	e236	237	267	e245	217	219	214	227	e292	e231	e226
27	e252	e241	236	265	e243	224	210	220	225	e297	e229	e230
28	e246	e164	243	264	242	219	222	221	230	e300	e221	e274
29	e245	e251	242	263	---	219	215	221	218	e282	e221	e281
30	e237	266	248	261	---	212	222	227	208	e295	e228	e270
31	e244	---	251	262	---	205	---	222	---	e278	e229	---
TOTAL	7524	7413	7502	8017	7306	6955	6506	6633	6883	8062	8181	7403
MEAN	243	247	242	259	261	224	217	214	229	260	264	247
MAX	254	280	269	299	274	253	232	244	245	303	301	303
MIN	231	164	219	234	242	205	200	188	208	215	219	215
AC-FT	14920	14700	14880	15900	14490	13800	12900	13160	13650	15990	16230	14680

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

MEAN	203	221	221	231	241	219	209	196	192	197	208	222
MAX	243	300	282	280	401	274	247	241	229	280	264	330
(WY)	2002	1998	1998	1995	1998	2001	2001	1999	2002	1999	2002	1997
MIN	171	170	163	185	183	185	180	166	165	157	166	168
(WY)	1994	1994	1992	1992	1992	1994	1994	1993	1993	1993	1992	1993

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1992 - 2002	
ANNUAL TOTAL	88226		88385			
ANNUAL MEAN	242		242		213	
HIGHEST ANNUAL MEAN					244	1998
LOWEST ANNUAL MEAN					178	1994
HIGHEST DAILY MEAN	633	Feb 26	303	Jul 18	1500	Feb 24 1998
LOWEST DAILY MEAN	164	Nov 28	164	Nov 28	107	Jun 15 1995
ANNUAL SEVEN-DAY MINIMUM	189	Jul 19	201	May 1	124	Jun 30 1998
MAXIMUM PEAK FLOW			579	Jun 18	2100	Feb 7 1998
MAXIMUM PEAK STAGE			6.50	Jun 18	10.12	Jul 10 1996
ANNUAL RUNOFF (AC-FT)	175000		175300		154300	
10 PERCENT EXCEEDS	270		278		259	
50 PERCENT EXCEEDS	240		240		205	
90 PERCENT EXCEEDS	201		215		170	

e Estimated

LAS VEGAS VALLEY

09419800 LAS VEGAS WASH BELOW LAKE LAS VEGAS NEAR BOULDER CITY, NV

LOCATION.--Lat 36°07'20", long 114°54'15", in NE $^1/_4$ SE $^1/_4$ sec.14, T.21 S., R.63 E., Clark County, Hydrologic Unit 15010015, in Lake Mead Recreation Area, on right bank, under bridge at North Shore Road, and 11.0 mi northeast of Boulder City.

DRAINAGE AREA--2,193 mi^2, of which 1,586 mi^2 contributes directly to surface runoff.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1969 to September 1984 (published as "near Boulder City"), July to September 2002.

GAGE.--Water-stage recorder. Elevation of gage is 1,280 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. Discharge includes treated sewage effluent. See schematic diagram of Colorado River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,760 ft^3/s, August 14, 1984, gage height, 11.32 ft, from slope-area measurement of peak flow; minimum daily, 17 ft^3/s, July 8, 30, 1971.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 10,800 ft^3/s, July 8, 1999, from slope-area measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period July to September, 657 ft^3/s, September 25, gage height, 6.19 ft, result of temporary regulation upstream; minimum daily, 217 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	---	---	---	---	---	---	---	---	---	e215	303	235
2	---	---	---	---	---	---	---	---	---	e215	289	238
3	---	---	---	---	---	---	---	---	---	e225	291	240
4	---	---	---	---	---	---	---	---	---	e225	288	235
5	---	---	---	---	---	---	---	---	---	e225	292	239
6	---	---	---	---	---	---	---	---	---	e225	293	245
7	---	---	---	---	---	---	---	---	---	e225	285	237
8	---	---	---	---	---	---	---	---	---	e230	282	230
9	---	---	---	---	---	---	---	---	---	e230	283	227
10	---	---	---	---	---	---	---	---	---	e245	295	234
11	---	---	---	---	---	---	---	---	---	255	288	272
12	---	---	---	---	---	---	---	---	---	260	288	261
13	---	---	---	---	---	---	---	---	---	267	285	251
14	---	---	---	---	---	---	---	---	---	236	295	236
15	---	---	---	---	---	---	---	---	---	260	288	235
16	---	---	---	---	---	---	---	---	---	277	291	234
17	---	---	---	---	---	---	---	---	---	278	297	229
18	---	---	---	---	---	---	---	---	---	305	295	217
19	---	---	---	---	---	---	---	---	---	289	277	231
20	---	---	---	---	---	---	---	---	---	276	243	242
21	---	---	---	---	---	---	---	---	---	279	220	256
22	---	---	---	---	---	---	---	---	---	264	221	248
23	---	---	---	---	---	---	---	---	---	272	222	277
24	---	---	---	---	---	---	---	---	---	267	224	304
25	---	---	---	---	---	---	---	---	---	281	228	298
26	---	---	---	---	---	---	---	---	---	294	232	226
27	---	---	---	---	---	---	---	---	---	299	229	230
28	---	---	---	---	---	---	---	---	---	302	222	276
29	---	---	---	---	---	---	---	---	---	285	222	283
30	---	---	---	---	---	---	---	---	---	296	228	272
31	---	---	---	---	---	---	---	---	---	278	230	---
TOTAL	---	---	---	---	---	---	---	---	---	8080	8226	7438
MEAN	---	---	---	---	---	---	---	---	---	261	265	248
MAX	---	---	---	---	---	---	---	---	---	305	303	304
MIN	---	---	---	---	---	---	---	---	---	215	220	217
AC-FT	---	---	---	---	---	---	---	---	---	16030	16320	14750

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

MEAN	84.9	84.6	89.5	89.2	93.7	88.2	78.4	74.5	67.2	89.5	91.0	88.7
MAX	122	115	126	116	133	122	120	109	102	261	265	248
(WY)	1977	1983	1984	1983	1976	1983	1983	1983	1984	2002	2002	2002
MIN	51.6	54.5	57.0	60.4	57.0	49.2	44.2	39.9	35.7	27.3	33.5	38.0
(WY)	1971	1970	1970	1970	1970	1972	1971	1972	1974	1971	1969	1970

SUMMARY STATISTICS WATER YEARS 1969 - 2002

ANNUAL MEAN	82.7		
HIGHEST ANNUAL MEAN	118		1984
LOWEST ANNUAL MEAN	48.6		1971
HIGHEST DAILY MEAN	1400	Jul 23	1984
LOWEST DAILY MEAN	17	Jul 8	1971
ANNUAL SEVEN-DAY MINIMUM	21	Jul 4	1971
MAXIMUM PEAK FLOW	7760	Aug 14	1984
MAXIMUM PEAK STAGE	11.32	Aug 14	1984
ANNUAL RUNOFF (AC-FT)	59910		
10 PERCENT EXCEEDS	111		
50 PERCENT EXCEEDS	82		
90 PERCENT EXCEEDS	47		

e Estimated

LAS VEGAS VALLEY

09419800 LAS VEGAS WASH BELOW LAKE LAS VEGAS NEAR BOULDER CITY, NV

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1964 to January 1965, September 1966 to February 1986, November 2001 to August 2002.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1975 to March 1976, November 1976 to April 1978, and August 1979 to February 1986.
WATER TEMPERATURE: November 1979 to February 1986.

REMARKS.--Discharge includes sewage effluent and wastewater from industrial plants. City and county sewage treatment plants implemented chemical removal of phosphorus from effluent during water year 1981.

EXTREMES MEASURED FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 6,140 microsiemens/cm February 7, 1976; minimum daily, 1,390 microsiemens/cm July 7, 1985.
WATER TEMPERATURE: Maximum, 30.5°C July 11, 12, 1985; minimum, 7.5°C February 8, 1982, January 19, 21, 1984.

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

Date	Time	Sample type	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	UV ABSORB-ANCE 254 NM, WTR FLT (UNITS /CM) (50624)	UV ABSORB-ANCE 280 NM, WTR FLT (UNITS /CM) (61726)	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 WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV													
28...	0930	ENVIRONMENTAL	136	--	.130	.089	733	9.3	103	8.2	2420	17.8	155
FEB													
26...	0930	ENVIRONMENTAL	200	8.8	.107	.078	738	9.6	105	8.1	2380	17.5	140
MAY													
22...	0815	ENVIRONMENTAL	166	37	.103	.074	726	8.4	101	7.9	2320	21.5	145
AUG													
28...	0830	ENVIRONMENTAL	170	5.0	.090	.065	722	8.0	102	8.0	2330	24.5	150

Date	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	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)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
NOV													
28...	73.2	25.9	254	133	125	152	329	1.0	23.5	648	1770	1660	.10
FEB													
26...	70.6	24.3	241	128	124	151	311	1.0	18.5	616	1680	1560	<.04
MAY													
22...	66.8	23.9	239	126	113	138	305	1.2	17.6	581	1620	1520	<.04
AUG													
28...	68.9	24.4	242	124	107	129	303	.9	23.5	604	1660	1550	<.04

Date	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,PAR TICULTE WAT FLT SUSP (MG/L AS N) (49570)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	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)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)
NOV													
28...	.66	1.1	15.0	.024	.10	.25	.24	.41	1.9	.2	7.1	1.7	270
FEB													
26...	.83	1.1	14.1	.024	--	.26	.25	.35	--	--	6.1	--	150
MAY													
22...	.72	1.1	16.2	.025	.09	.17	.15	.39	1.1	<.1	5.5	1.0	150
AUG													
28...	.58	.66	15.0	.024	.12	.07	.06	.09	.3	<.1	4.6	.3	260

LAS VEGAS VALLEY

09419800 LAS VEGAS WASH BELOW LAKE LAS VEGAS NEAR BOULDER CITY, NV--Continued

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

Date	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BORON, DIS-SOLVED (UG/L AS B) (01020)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	2,4,5-T DIS-SOLVED (UG/L) (39742)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)
NOV													
28...	780	953	10.1	642	32	92.9	3.3	2800	4.9	<.24	<.16	<.25	<.002
FEB													
26...	40	60	9.1	663	37	96.9	3.3	2600	4.6	<.11	<.16	<.25	<.006
MAY													
22...	40	60	9.6	544	30	80.6	3.9	2490	5.2	<.07	<.16	<.25	<.006
AUG													
28...	386	340	9.9	535	33	89.9	2.6	2590	4.5	<.39	<1.20	<.25	<.006

Date	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	[a]BDMC, SURROG, WATER, UNFLTRD REC PERCENT (99835)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)
NOV													
28...	<5.24	<.004	<.05	<.002	<3.14	<.81	<6.83	<.007	<.030	E155	<.010	<.14	<1.75
FEB													
26...	<2.70	<.006	<.05	<.004	<9.20	<3.70	<4.30	<.005	<.007	E146	<.010	<.20	<1.60
MAY													
22...	<5.13	<.006	<.05	<.004	<5.66	<1.88	<.21	<.005	<.007	64.4	<.010	<.05	<.12
AUG													
28...	<1.50	<.006	<.69	<.004	<.46	<.86	<3.40	<.007	E.006	55.7	<.010	<.22	<.16

Date	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)
NOV													
28...	<.21	<.002	<.080	<.041	<.80	<.020	<.22	<.19	<.005	<.42	<.018	<.26	<.003
FEB													
26...	<.07	<.002	<.080	<.041	<1.05	<.020	<.21	<.25	<.005	<.42	<.018	<.40	<.003
MAY													
22...	<.07	<.002	<.080	<.041	<.15	<.020	<.21	<.54	<.005	<.42	<.018	<.07	<.003
AUG													
28...	<.13	<.002	<.080	<.041	<.54	<.020	<.21	<.25	.006	<.42	<.018	<.08	<.003

Date	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	[a]DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLO-BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
NOV													
28...	<.006	112	.008	<.33	<.09	<.60	<.005	<.14	<.02	<.12	<.25	<.002	<.009
FEB													
26...	<.006	115	.040	<.25	<.09	<.62	<.005	<.36	<.02	<.12	<.25	<.002	<.009
MAY													
22...	<.006	113	.075	<.11	<.16	<.12	<.005	<.09	<.02	<.73	<.25	<.002	<.009
AUG													
28...	<.006	105	.021	<.18	<.09	<.12	<.005	<.09	<.02	<.18	<.25	<.002	<.009

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

Date	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	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)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)
NOV													
28...	<.005	<2.14	<.61	<.003	88.2	<.004	<1.08	<.035	<.027	<.16	<.26	<1.15	<.12
FEB													
26...	<.005	<.07	<.15	<.003	91.0	<.004	<1.30	<.035	<.027	<.20	<.38	<1.40	<.39
MAY													
22...	<.005	<.21	<.70	<.003	104	<.004	<.74	<.035	<.027	<.20	<.26	<.07	<.63
AUG													
28...	<.005	<.07	<.36	<.003	115	<.007	<.21	<.035	<.027	<.42	<.40	<.46	<.26

Date	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)	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)	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	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)
NOV													
28...	<.050	<.006	<.013	<.006	<.002	<.007	<.19	<.04	<1.47	<.16	<.003	<.007	<.002
FEB													
26...	<.050	<.006	<.013	<.006	<.002	<.007	<.07	<.04	<.28	<.44	<.003	<.010	<.004
MAY													
22...	<.050	<.006	<.013	<.006	<.002	<.007	<.07	<.19	<.29	<.16	<.003	<.010	<.004
AUG													
28...	<.050	<.006	<.013	<.007	<.002	<.007	<.07	<.04	<.28	<.62	<.003	<.010	<.004

Date	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)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	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)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SILVEX, DIS-SOLVED (UG/L) (39762)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)
NOV													
28...	<.010	<.006	<.011	<.35	<.01	<.004	<.010	<.011	<.02	<.55	<.61	<.22	E.010
FEB													
26...	<.022	<.006	<.011	<.09	.03	<.004	<.010	<.011	<.02	<.27	<.24	<.20	.015
MAY													
22...	<.022	<.006	<.011	<.09	E.01	<.004	<.010	<.011	<.02	<.80	<.19	<.03	.008
AUG													
28...	<.022	<.006	<.011	<.10	.02	<.004	<.010	<.011	<.02	<.36	<.22	<.03	.011

Date	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-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV											
28...	<.02	<.034	<.02	E.3	<.005	<.002	<.20	<.009	--	--	--
FEB											
26...	<.02	<.034	<.02	M	<.005	<.002	<.12	<.009	25	69	13.5
MAY											
22...	<.02	<.034	<.02	--	<.005	<.002	<.21	<.009	394	85	177
AUG											
28...	<.02	<.034	<.02	--	<.005	<.002	<.98	<.009	14	53	6.4

Remark Codes Used in This report:
< -- Less than
E -- Estimated (see introductory text section titled "Long-Term Method Detection Levels and Laboratory Reporting Levels").

Null Value Remark Codes Used in This Report:
M -- Presence verified, not quantified

[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.

COLORADO RIVER MAIN STEM

09421000 LAKE MEAD AT HOOVER DAM, AZ-NV

LOCATION--Lat 36°00'58", long 114°44'13", in NE $^1/_4$ SW $^1/_4$ sec.3, T.30 N., R.23 W., Gila and Salt River meridian, Mohave-Clark Counties, Hydrologic Unit 15010005, in center of Hoover Dam on Colorado River.

DRAINAGE AREA.--171,700 mi^2, approximately, including 3,959 mi^2 in Great Divide basin in southern Wyoming, which is noncontributing (previously considered part of the Missouri River basin).

RESERVOIR-CONTENTS RECORDS

PERIOD OF RECORD.--Contents: February 1935 to current year. Diversions (monthly totals only): to Boulder City area, since October 1935; to Henderson and Las Vegas areas, since April 1942; combined diversions since October 1968. Prior to 1946 published as "at Boulder Dam."

REVISED RECORDS.--WSP 899: 1935-39.

GAGE.--Water-stage indicator read once daily at midnight, with supplementary water-stage recorder. Datum of gage is 0.00 ft to Local Powerhouse datum.

REMARKS.--Reservoir is formed by concrete arch-gravity dam; storage began February 1, 1935; dam completed March 1, 1936. Total capacity (based on 1963-64 resurvey by Coast and Geodetic Survey; capacity table put into use April 1, 1967), 29,755,000 acre-ft, consisting of the following: Dead storage, 2,378,000 acre-ft below gage height 895.0 ft--gate sills in outlet towers; usable contents, 26,159,000 acre-ft between gage heights 895.0 ft and 1,221.4 ft (top of automatic spillway gates in raised position); uncontrolled storage, 1,218,000 acre-ft between gage heights 1,221.4 ft and 1,229.0 ft (maximum water surface). Reservoir is used to store water for flood control, irrigation, municipal water supply, power development, and recreation. Figures given herein represent usable contents. See schematic diagram of Colorado River Basin.

DIVERSIONS FROM LAKE MEAD.--Diversions to Boulder City area at dam; diversions to Henderson and Las Vegas areas from intakes 6 mi upstream. Diversions measured by Venturi meters. Water used for municipal and industrial purposes.

COOPERATION.--Records of gage height and contents furnished by Bureau of Reclamation. Records of diversions from Lake Mead furnished by Bureau of Reclamation and Colorado River Commission of Nevada.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 27,790,000 acre-ft, July 29, 30, 1941 (on basis of original bathymetry), gage height, 1,220.45 ft; maximum gage height, 1,225.85 ft, July 24, 1983 (equivalent to 26,868,000 acre-ft on basis of resurveyed bathymetry of 1963-64); minimum contents (since 1940), 10,695,000 acre-ft, April 26, 1956, gage height, 1,083.21 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 19,923,000 acre-ft, November 13, gage height 1,178.34 ft; minimum, 17,209,000 acre-ft, September 30, gage height, 1,155.42 ft.

RESERVOIR STORAGE, IN THOUSANDS OF 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	19862	19881	19777	19786	19873	19670	19089	18529	17909	17511	17338	17200
2	19857	19883	19777	19792	19875	19656	19066	18513	17909	17502	17338	17204
3	19840	19890	19777	19805	19879	19647	19042	18492	17897	17496	17338	17195
4	19837	19896	19785	19805	19875	19627	19027	18478	17889	17505	17344	17172
5	19832	19895	19784	19818	19861	19609	19012	18466	17868	17512	17344	17175
6	19837	19896	19781	19826	19856	19589	19005	18449	17849	17518	17337	17171
7	19841	19896	19777	19833	19850	19558	18994	18426	17830	17517	17335	17166
8	19843	19885	19781	19835	19852	19549	18981	18406	17833	17525	17328	17166
9	19844	19892	19795	19832	19848	19546	18968	18380	17837	17515	17318	17165
10	19839	19902	19798	19841	19839	19540	18944	18356	17828	17486	17320	17161
11	19845	19912	19793	19843	19833	19511	18923	18355	17816	17484	17319	17150
12	19837	19908	19789	19844	19832	19493	18900	18341	17803	17474	17313	17145
13	19850	19923	19788	19852	19822	19467	18881	18321	17789	17474	17304	17147
14	19857	19921	19782	19857	19823	19440	18867	18295	17771	17469	17295	17147
15	19856	19906	19785	19853	19819	19420	18850	18272	17771	17465	17288	17138
16	19858	19891	19794	19853	19822	19395	18827	18248	17765	17460	17283	17130
17	19852	19882	19786	19857	19816	19381	18806	18228	17744	17452	17290	17134
18	19851	19874	19789	19857	19820	19350	18795	18214	17722	17453	17285	17139
19	19854	19860	19781	19860	19812	19335	18773	18197	17708	17451	17285	17135
20	19866	19845	19776	19864	19805	19307	18768	18181	17696	17456	17281	17130
21	19869	19839	19785	19864	19786	19283	18752	18149	17689	17461	17277	17134
22	19873	19851	19789	19865	19776	19259	18730	18119	17684	17454	17266	17130
23	19882	19847	19792	19868	19776	19249	18701	18091	17677	17443	17259	17125
24	19877	19837	19795	19869	19772	19236	18678	18068	17665	17432	17260	17122
25	19879	19832	19795	19866	19751	19216	18652	18048	17640	17408	17263	17108
26	19879	19822	19797	19875	19721	19192	18623	18035	17614	17397	17246	17108
27	19883	19802	19792	19875	19695	19173	18614	18018	17583	17399	17238	17104
28	19888	19789	19782	19877	19682	19150	18593	17988	17563	17399	17223	17107
29	19888	19778	19785	19874	---	19128	18567	17958	17547	17385	17213	17100
30	19891	19776	19792	19869	---	19125	18539	17935	17533	17368	17203	17093
31	19882	---	19795	19870	---	19118	---	17915	---	17343	17209	---
MAX	19891	19923	19798	19877	19879	19670	19089	18529	17909	17525	17344	17204
MIN	19832	19776	19776	19786	19682	19118	18539	17915	17533	17343	17203	17093
*	1178.03	1177.22	1177.37	1177.94	1176.50	1172.11	1167.49	1162.39	1159.19	1157.57	1156.42	1155.42
#	+9000	-106000	+19000	+75000	-188000	-564000	-579000	-624000	-382000	-190000	-134000	-116000
##	43273	32078	27067	26517	25646	34003	41265	47726	46452	49765	49519	42181

CAL YR 2001 MAX 22544 MIN 19776 # -2563000 ## 466603
WTR YR 2002 MAX 19923 MIN 17093 # -2780000 ## 465492

* Gage height, in feet, at end of month.
\# Change in contents, in acre-feet.
Diversions, in acre-feet.

COLORADO RIVER MAIN STEM

09421500 COLORADO RIVER BELOW HOOVER DAM, AZ-NV

LOCATION.--Lat 36°00'55", long 114°44'16", in NE $^1/_4$ SW $^1/_4$ sec.3, T.30 N., R.23 W., Gila and Salt River meridian, or SW $^1/_4$ NE $^1/_4$ sec.29, T.22 S., R.65 E., Mount Diablo meridian, Mohave-Clark Counties, Hydrologic Unit 15030101, in powerhouse at downstream side of Hoover Dam.

DRAINAGE AREA.--171,700 mi^2, approximately, including 3,959 mi^2 in Great Divide basin in southern Wyoming, which is noncontributing (previously considered part of the Missouri River basin).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1933 to current year (prior to April 1934, monthly discharge only, published in WSP 1313). Published as "near Willow Beach" 1933-39 and as "below Boulder Dam" 1939-45.

GAGE.--Acoustical velocity meters on each turbine in Hoover Dam. Prior to November 1, 1939, water-stage recorder at site 9 mi downstream at datum 594.8 ft above NGVD of 1929. November 1, 1939, to June 30, 1958, water-stage recorder at site 0.8 mi downstream at datum 600.35 ft above NGVD of 1929. July 1, 1958, to November 7, 1979, totalizing flowmeter on each turbine.

REMARKS.--Flow regulated by Hoover Dam on Lake Mead since February 1, 1935. Many diversions above station for irrigation, industrial, and municipal use. See schematic diagram of Colorado River Basin.

COOPERATION.--Records furnished by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 50,800 ft^3/s, July 29, 1983, no flow at Hoover Dam part of February 10, 1935; minimum daily, 152 ft^3/s, February 10, 1935.

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	10400	10700	10000	12500	13400	16300	20300	16400	9720	22200	17500	17800
2	10400	8120	10000	9520	10900	16000	20100	18500	7390	18000	14700	13100
3	11400	5940	9130	10100	11300	14100	19700	19300	11900	14000	11600	16700
4	8160	7660	11300	11600	13800	20500	18800	15900	17500	8520	8280	15200
5	13500	9540	11300	8730	15700	18500	17500	16100	21000	11500	14200	9900
6	6830	10900	15000	10000	11900	17500	13200	17900	20000	9000	15900	11300
7	6790	9810	16100	9990	14000	19100	13100	21100	19400	12500	14500	7400
8	6880	12200	9910	10300	12400	19200	17900	18500	11100	12000	16400	7300
9	9220	8000	8810	10800	9640	13600	16500	22300	11200	18400	17300	12000
10	8220	4530	10400	11200	14800	14300	18600	19700	14400	21100	15700	13100
11	8400	5920	14100	12500	12400	20100	20900	10700	16100	17900	12400	14400
12	8080	8080	12600	10800	11000	19200	22500	16900	18700	20800	17000	13900
13	4090	4500	13800	11600	12700	20300	19200	20800	19400	15100	17500	14500
14	6100	9930	13800	10800	12200	22100	15300	20800	20700	14300	18700	11500
15	9000	16700	11500	12100	11800	20200	18400	20100	13100	13800	15900	12800
16	9130	17000	11500	12000	11800	20600	17300	21800	12500	17200	15700	12400
17	9460	13200	13400	11800	12700	19800	18800	19400	23400	15300	9270	8320
18	10000	15300	13300	12900	9060	20900	19300	17500	19900	17400	13700	7440
19	8450	14100	12900	11100	13600	19400	16600	15600	20500	16900	14200	10600
20	4840	17400	14600	13800	15600	22000	12600	18800	17800	11800	14600	10200
21	6250	13200	13100	10700	19100	21900	17100	21600	14400	7930	14000	7480
22	7450	7080	11200	11100	19000	20500	22400	24200	14000	17300	17400	8130
23	7460	8560	12200	11100	10000	16700	22900	23100	15000	20000	16600	11600
24	7660	11800	10900	12000	13300	17000	20400	22100	18400	19700	13100	9660
25	8070	13300	11200	13300	20400	20600	23600	18400	24000	23400	12200	12800
26	9840	14100	12600	9580	22300	20100	22300	14000	23800	20000	20800	9400
27	7530	18400	15200	10300	22800	19800	12200	16300	25400	12500	18500	7070
28	7230	14800	15100	11900	17900	21000	21200	23900	22700	12000	19800	8390
29	9720	14400	12600	13100	---	19200	21200	22900	20700	21300	18700	9010
30	9750	11100	12800	14400	---	15400	20700	18600	18000	21700	19200	11500
31	9650	---	11600	12300	---	12200	---	16800	---	24100	11100	---
TOTAL	259960	336270	381950	353920	395500	578100	560600	590000	522110	507650	476450	334900
MEAN	8386	11210	12320	11420	14120	18650	18690	19030	17400	16380	15370	11160
MAX	13500	18400	16100	14400	22800	22100	23600	24200	25400	24100	20800	17800
MIN	4090	4500	8810	8730	9060	12200	12200	10700	7390	7930	8280	7070
AC-FT	515600	667000	757600	702000	784500	1147000	1112000	1170000	1036000	1007000	945000	664300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2002, BY WATER YEAR (WY)

MEAN	11720	11620	12030	12300	12690	14890	16070	16310	15770	15660	15180	13330
MAX	34250	30530	33670	32700	30680	28790	26290	33330	34890	41870	39390	36750
(WY)	1984	1942	1942	1942	1984	1984	1984	1986	1984	1983	1983	1983
MIN	3109	3519	4444	3540	1106	5474	7297	8898	9786	10880	9961	6619
(WY)	1935	1935	1935	1979	1993	1993	1935	1937	1940	1937	1936	1982

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1935 - 2002	
ANNUAL TOTAL	5147040		5297410			
ANNUAL MEAN	14100		14510		13970	
HIGHEST ANNUAL MEAN					30590	1984
LOWEST ANNUAL MEAN					7674	1935
HIGHEST DAILY MEAN	27100	Jul 13	25400	Jun 27	50800	Jul 29 1983
LOWEST DAILY MEAN	4090	Oct 13	4090	Oct 13	152	Feb 10 1935
ANNUAL SEVEN-DAY MINIMUM	6440	Jan 19	7170	Oct 19	927	Feb 25 1980
ANNUAL RUNOFF (AC-FT)	10210000		10510000		10120000	
10 PERCENT EXCEEDS	20800		20800		21700	
50 PERCENT EXCEEDS	13900		14000		13400	
90 PERCENT EXCEEDS	8070		8400		6610	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1940 to current year.

PERIOD OF DAILY RECORD.--
CHEMICAL ANALYSES: October 1939 to September 1944, October 1950 to September 1957, October 1967 to March 1970.
SPECIFIC CONDUCTANCE: October 1939 to July 1957, October 1977 to September 1987.
WATER TEMPERATURE: October 1941 to July 1957, October 1977 to September 1987.

REMARKS.--Samples collected at gaging station 0.3 mi downstream from Hoover Dam. Unpublished chemical analyses for period October 1939 to September 1940 available from the U.S. Geological Survey in Tucson, Arizona. Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data."

COOPERATION.--Instantaneous-discharge data provided by Bureau of Reclamation, Boulder City, Nevada.

EXTREMES MEASURED FOR PERIOD OF DAILY RECORD SINCE OCTOBER 1977.--
SPECIFIC CONDUCTANCE: Maximum, 1,180 microsiemens/cm, June 10, 1980; minimum, 787 microsiemens/cm, April 20, 1987.
WATER TEMPERATURE: Maximum, 21.5°C, July 23, 1983; minimum, 9.0°C, January 10, 1978.

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

Date	Time	Sample type	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	UV ABSORB-ANCE 254 NM, WTR FLT (UNITS /CM) (50624)	UV ABSORB-ANCE 280 NM, WTR FLT (UNITS /CM) (61726)	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 WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
DEC													
04...	1030	ENVIRONMENTAL	7320	1.2	.045	.030	741	6.6	66	8.0	910	13.7	65.8
FEB													
22...	0900	ENVIRONMENTAL	30600	4.9	.055	.039	752	8.8	83	7.9	935	11.9	68.1
MAY													
23...	1000	ENVIRONMENTAL	30200	4.9	.039	.025	739	8.5	82	7.8	923	12.0	72.3
AUG													
29...	1015	ENVIRONMENTAL	15500	1.8	.043	.028	739	7.2	71	7.8	946	13.0	71.1

Date	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	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)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
DEC													
04...	24.3	3.90	75.1	137	129	157	69.6	.3	8.56	219	596	551	<.04
FEB													
22...	25.5	4.02	81.1	137	130	156	70.6	.4	8.55	224	600	568	<.04
MAY													
23...	25.8	4.02	80.8	137	122	149	71.9	.2	9.01	221	596	561	<.04
AUG													
29...	24.9	3.94	81.6	138	126	153	70.9	.3	8.73	222	607	559	<.04

Date	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,PAR TICULTE WAT FLT SUSP (MG/L AS N) (49570)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	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)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)
DEC													
04...	.11	.14	.35	<.008	.03	<.004	<.007	E.003	<.1	<.1	2.5	<.1	<1
FEB													
22...	.13	.16	.44	<.008	<.02	.005	<.007	.006	<.1	<.1	2.5	<.1	<1
MAY													
23...	.12	.11	.35	<.008	<.02	E.004	<.007	.005	<.1	<.1	2.4	<.1	<1
AUG													
29...	.14	.15	.33	E.004	<.02	E.002	<.007	.004	.2	<.1	5.2	.2	<1

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

Date	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
DEC													
04...	.19	2.3	89	<.06	105	<.04	<.8	.12	1.7	<10	<.08	38.3	.3
FEB													
22...	.16	2.8	77	<.06	108	<.04	<.8	.11	1.7	<10	.10	38.3	.3
MAY													
23...	.29	2.8	103	<.06	112	E.02	<.8	.18	1.8	<10	<.08	37.5	<.1
AUG													
29...	.25	2.5	104	<.06	106	<.04	<.8	.16	2.5	<10	<.08	36.8	.6

Date	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	2,4,5-T DIS-SOLVED (UG/L) (39742)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)
DEC													
04...	4.5	<.06	1.9	<1	944	2.4	1	<.07	<.16	<.25	<.002	<.11	<.004
FEB													
22...	5.0	.53	1.8	<1	1180	1.9	1	<.07	<.16	<.25	<.006	<.11	<.006
MAY													
23...	4.5	1.69	2.5	<1	961	2.7	2	<.07	<.16	<.25	<.006	<.11	<.006
AUG													
29...	4.8	1.10	1.9	<1	963	2.4	3	<.07	<.16	<.25	<.006	<.11	<.006

Date	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	[a]BDMC, SURROG, WATER, UNFLTRD REC PERCENT (99835)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)
DEC													
04...	<.05	<.002	<.70	<.27	<.21	<.005	<.007	E40.6	<.010	<.05	<.09	<.07	<.002
FEB													
22...	<.05	<.004	<.20	<.27	<.21	<.005	<.007	88.4	<.010	<.05	<.09	<.07	<.002
MAY													
23...	<.05	<.004	<.20	<.27	<.21	<.005	E.007	86.2	<.010	<.05	<.09	<.07	<.002
AUG													
29...	<.05	<.004	<.20	<.27	<.21	<.005	E.004	64.2	<.010	<.05	<.09	<.07	<.002

Date	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	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)
DEC													
04...	<.080	<.041	<.15	<.020	<.21	<.25	<.005	<.42	<.018	<.07	<.003	<.006	96.4
FEB													
22...	<.080	<.041	<.15	<.020	<.21	<.25	<.005	<.42	<.018	<.22	<.003	<.006	105
MAY													
23...	<.080	<.041	<.15	<.020	<.21	<.25	<.005	<.42	<.018	<.07	E.003	<.006	106
AUG													
29...	<.080	<.041	<.15	<.020	<.21	<.25	<.005	<.42	<.018	<.07	<.003	<.006	85.4

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

Date	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLO-BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	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)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)
DEC													
04...	<.005	<.11	<.09	<.12	<.005	<.09	<.02	<.12	<.25	<.002	<.009	<.005	<.07
FEB													
22...	<.005	<.11	<.09	<.12	<.005	<.09	<.02	<.12	<.25	<.002	<.009	<.005	<.07
MAY													
23...	<.005	<.11	<.09	<.12	<.005	<.09	<.02	<.12	<.25	<.002	<.009	<.005	<.07
AUG													
29...	<.005	<.11	<.09	<.12	<.005	<.15	<.02	<.12	<.25	<.002	<.009	<.005	<.07

Date	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	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)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	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)
DEC													
04...	<.06	<.003	89.3	<.004	<.06	<.035	<.027	<.20	<.26	<.07	<.22	<.050	<.006
FEB													
22...	<.06	<.003	97.4	<.004	<.06	<.035	<.027	<.20	<.26	<.07	<.26	<.050	<.006
MAY													
23...	<.06	<.003	105	<.004	<.06	<.035	<.027	<.20	<.26	<.07	<.22	<.050	<.006
AUG													
29...	<.06	<.003	92.1	<.004	<.06	<.035	<.027	<.20	<.26	<.07	<.22	<.050	<.006

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)	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	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)
DEC													
04...	<.013	<.006	<.002	<.007	<.07	<.04	<.28	<.16	<.003	<.007	<.002	<.010	<.006
FEB													
22...	<.013	<.006	<.002	<.007	<.07	<.04	<.28	<.16	<.003	<.010	<.004	<.022	<.006
MAY													
23...	E.007	<.006	<.002	<.007	<.07	<.04	<.28	<.16	<.003	<.010	<.004	<.022	<.006
AUG													
29...	<.013	<.006	<.002	<.007	<.32	<.04	<.28	<.16	<.003	<.010	<.004	<.022	<.006

Date	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	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)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SILVEX, DIS-SOLVED (UG/L) (39762)	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)
DEC													
04...	<.011	<.09	M	<.004	<.010	<.011	<.02	<.22	<.36	<.03	<.011	<.02	<.034
FEB													
22...	<.011	<.09	<.01	<.004	<.010	<.011	<.02	<.22	<.25	<.03	<.005	<.02	<.034
MAY													
23...	<.011	<.09	E.01	<.004	<.010	<.011	<.02	<.22	<.61	<.03	<.007	M	<.034
AUG													
29...	<.011	<.09	M	<.004	<.010	<.011	<.02	<.22	<.12	<.03	<.005	<.02	<.034

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

Date	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	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-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
DEC									
04...	<.02	<.005	<.002	<.07	<.009	3.58	--	--	--
FEB									
22...	<.02	<.005	<.002	<.07	<.009	3.10	1	44	82.6
MAY									
23...	<.02	<.005	<.002	<.07	<.009	3.47	<1	50	<42
AUG									
29...	<.02	<.005	<.002	<.07	<.009	3.86	1	75	41

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

[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.

COLORADO RIVER MAIN STEM

09422500 LAKE MOHAVE AT DAVIS DAM, AZ-NV

LOCATION.--Lat 35°11'50", long 114°34'07", in SW $^1/_4$ SW $^1/_4$ sec.18, T.21 N., R.21 W., Gila and Salt River meridian, Mohave County, Arizona, Hydrologic Unit 15030101, on forebay structure on Arizona side of Davis Dam on Colorado River, 29 mi west of Kingman, Az., and 67 mi downstream from Hoover Dam.

DRAINAGE AREA.--173,300 mi^2, approximately, including 3,959 mi^2 in Great Divide basin in southern Wyoming, which is noncontributing.

PERIOD OF RECORD.--January 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

REMARKS.--Reservoir is formed by earthfill and rockfill dam; dam completed in April 1949 and storage began Jan. 17, 1950. Usable capacity, 1,810,000 acre-ft between elevations 533.39 ft - lowest point of penstock outlet - and 647.0 ft - top of spillway gates. A small amount of additional storage is available through use of splashboards on the spillway gates.Dead storage, 8,530 acre-ft below elevation 533.39 ft. Lake is used for power development, regulation for irrigation demand, and to satisfy requirements of the Treaty of 1944 with Mexico. Figures given herein represent usable contents.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,811,000 acre-ft, May 24, 1958, May 29, 1963, May 29, 1982; maximum elevation, 647.04 ft, May 29, 1963, May 29, 1982; minimum contents (since 1952), 1,168,000 acre-ft, September 8, 1953, elevation, 622.15 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,742,000 acre-ft May 29-30, elevation, 644.58 ft; minimum, 1,440,000 acre-ft November 13, elevation, 633.23 ft.

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

628	1,309,000	641	1,644,000
632	1,409,000	644	1,726,000
635	1,486,000	647	1,810,000
638	1,564,000		

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	1606000	1478000	1528000	1660000	1672000	1634000	1711000	1675000	1720000	1725000	1696000	1703000
2	1605000	1474000	1527000	1658000	1669000	1633000	1712000	1673000	1700000	1727000	1694000	1701000
3	1601000	1470000	1528000	1658000	1668000	1631000	1713000	1675000	1689000	1723000	1685000	1702000
4	1595000	1467000	1523000	1664000	1670000	1635000	1712000	1671000	1686000	1710000	1674000	1704000
5	1597000	1470000	1525000	1660000	1671000	1636000	1709000	1670000	1692000	1700000	1667000	1695000
6	1590000	1473000	1530000	1660000	1668000	1636000	1698000	1670000	1696000	1683000	1669000	1687000
7	1583000	1475000	1542000	1662000	1667000	1638000	1688000	1677000	1700000	1679000	1668000	1676000
8	1572000	1481000	1539000	1660000	1664000	1640000	1684000	1679000	1689000	1669000	1672000	1665000
9	1567000	1475000	1539000	1662000	1653000	1635000	1679000	1684000	1680000	1668000	1675000	1665000
10	1555000	1464000	1537000	1662000	1654000	1629000	1678000	1685000	1672000	1675000	1677000	1665000
11	1552000	1457000	1541000	1667000	1653000	1634000	1683000	1669000	1667000	1676000	1676000	1676000
12	1549000	1452000	1543000	1670000	1646000	1634000	1691000	1668000	1667000	1682000	1677000	1680000
13	1538000	1440000	1548000	1671000	1643000	1641000	1694000	1671000	1667000	1682000	1683000	1684000
14	1530000	1441000	1555000	1666000	1637000	1649000	1689000	1675000	1672000	1678000	1688000	1686000
15	1528000	1454000	1562000	1670000	1629000	1654000	1688000	1676000	1663000	1671000	1691000	1691000
16	1525000	1470000	1563000	1670000	1623000	1660000	1681000	1683000	1656000	1678000	1693000	1691000
17	1523000	1480000	1570000	1670000	1620000	1667000	1680000	1685000	1667000	1676000	1679000	1682000
18	1522000	1492000	1573000	1672000	1611000	1676000	1680000	1689000	1668000	1678000	1674000	1671000
19	1516000	1497000	1574000	1669000	1612000	1681000	1674000	1685000	1670000	1680000	1669000	1666000
20	1506000	1505000	1583000	1674000	1620000	1691000	1661000	1687000	1672000	1671000	1666000	1656000
21	1501000	1506000	1591000	1671000	1629000	1700000	1660000	1693000	1666000	1655000	1661000	1643000
22	1493000	1498000	1593000	1672000	1633000	1706000	1663000	1707000	1659000	1655000	1665000	1632000
23	1484000	1489000	1601000	1672000	1629000	1704000	1669000	1718000	1658000	1663000	1666000	1624000
24	1477000	1484000	1604000	1670000	1622000	1703000	1668000	1726000	1660000	1666000	1664000	1613000
25	1474000	1489000	1608000	1675000	1630000	1711000	1677000	1728000	1673000	1676000	1660000	1615000
26	1475000	1496000	1614000	1671000	1637000	1715000	1679000	1720000	1685000	1678000	1673000	1606000
27	1468000	1509000	1624000	1670000	1644000	1716000	1671000	1720000	1701000	1670000	1678000	1593000
28	1465000	1516000	1635000	1665000	1641000	1720000	1676000	1733000	1712000	1664000	1689000	1588000
29	1466000	1526000	1643000	1671000	---	1725000	1679000	1742000	1718000	1672000	1697000	1585000
30	1470000	1530000	1649000	1675000	---	1718000	1679000	1742000	1720000	1678000	1705000	1577000
31	1472000	---	1654000	1673000	---	1707000	---	1735000	---	1694000	1695000	---
MAX	1606000	1530000	1654000	1675000	1672000	1725000	1713000	1742000	1720000	1727000	1705000	1704000
MIN	1465000	1440000	1523000	1658000	1611000	1629000	1660000	1668000	1656000	1655000	1660000	1577000
(*)	634.45	636.68	641.37	642.05	640.89	643.29	642.29	644.32	643.76	642.84	642.88	638.47
(**)	-136000	+58000	+124000	+19000	-32000	+66000	-28000	+56000	-15000	-26000	+1000	-118000

CAL YR 2001 MAX 1765000 MIN 1440000 (**) +53000
WTR YR 2002 MAX 1742000 MIN 1440000 (**) -31000

(*) Elevation, in feet, at end of month.
(**) Change in contents, in acre-feet.

COLORADO RIVER MAIN STEM

09423000 COLORADO RIVER BELOW DAVIS DAM, AZ-NV

LOCATION.--Lat 35°11'30", long 114°34'17", in SE $^1/_4$NE $^1/_4$ sec.1, T.32 S., R.66 E., Mount Diablo meridian, in Clark County, Nevada, Hydrologic Unit 15030101, on right bank, 0.5 mi downstream from Davis Dam, 29 mi west of Kingman, Az., and 68 mi downstream from Hoover Dam.

DRAINAGE AREA.--173,300 mi^2, approximately, including 3,959 mi^2 in Great Divide basin in southern Wyoming, which is noncontributing.

PERIOD OF RECORD.--June 1905 to September 1907 (published as "at Hardyville"), March 1949 to current year.

REVISED RECORDS.--WDR AZ-86-1: 1981.

GAGE.--Water-stage recorder. Datum of gage is 490.00 ft, NGVD of 1929; gage readings have been reduced to elevations NGVD of 1929 since October 1, 1967. 1905-7, nonrecording gage at site 4.8 mi downstream at datum about 3.4 ft lower. March 16 to May 3, 1949, water-stage recorder at site 0.5 mi downstream at datum 10.00 ft higher. May 4, 1949, to February 24, 1956, water-stage recorder at site 400 ft upstream at datum 10.00 ft higher. February 25, 1956, to September 30, 1967, water-stage recorder at present site at datum 10.00 ft higher.

REMARKS.--No estimated daily discharge. Records excellent. Flow regulated by Lake Mead since February l, 1935, and by Lake Mohave since January 17, 1950. Many diversions upstream for irrigation, industrial, and municipal uses.

EXTREMES FOR PERIOD OF RECORD.--1905-7: Maximum daily discharge, 116,000 ft^3/s, June 20, 1906; minimum daily, 2,850 ft^3/s, January 5, 1906. 1949-2002: Maximum discharge, 46,200 ft^3/s, July 2, 1983, elevation, 509.48 ft; maximum elevation, 513.91 ft, April 22, 1952; no flow at Davis Dam parts of several days July to September 1950 and December 27, 1950, when gates in dam were closed; minimum daily discharge, 285 ft^3/s, August 3, 1950.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,300 ft^3/s July 26, elevation, 505.06 ft; minimum daily, 8,990 ft^3/s November 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	12300	9000	10600	9880	13500	19200	19200	20200	18900	17900	16600	15400
2	12500	9460	10600	10100	12700	16700	19400	20900	18900	17400	17100	15400
3	12800	9100	10500	10000	12700	16800	19500	18700	19400	17300	16000	15300
4	12800	9020	12500	10300	13100	18500	19700	18300	18500	16500	15900	15400
5	12200	9050	12500	10300	13800	18300	19700	17300	18100	17800	16900	15200
6	11800	9230	11900	10400	15000	18700	19800	18300	18300	17000	16800	15300
7	11700	9580	11800	10700	15000	18600	19800	18300	18800	17200	15300	14400
8	11700	10000	10500	10600	15100	18500	19800	18200	17700	17200	15300	14400
9	13800	10800	10500	10600	14200	17300	20100	19000	17700	18400	15400	12800
10	13700	10500	10800	10700	14300	17200	20300	20100	17800	18500	14400	12100
11	11000	10600	12700	11500	13700	18400	18700	19400	19500	17400	14300	10900
12	10700	10800	11700	9760	14800	18700	19000	19400	19500	17300	15400	12500
13	10200	11900	11700	10400	14700	18600	18100	19500	19100	16700	15500	12300
14	10300	9790	10100	12100	16300	18100	18100	19400	19000	16700	15500	11300
15	11200	9420	9950	12200	16200	18000	19800	19400	17700	16800	14700	10900
16	11100	9450	9990	12400	14800	17200	20400	18700	17400	16300	17200	12100
17	11100	8990	10600	11300	14700	17200	20500	18300	18700	15900	16500	13000
18	11300	9980	11600	12400	14800	17200	20400	17400	18600	16300	16300	13600
19	11600	11500	11800	12400	13500	17200	20300	17800	19400	16400	17400	14200
20	10800	13100	11300	11600	13300	17600	19700	18200	18300	17500	17500	16000
21	10800	13200	9450	10900	14000	17000	19500	19100	18100	17300	16500	15100
22	12000	13300	9520	12800	16000	18000	19800	18300	17300	16700	16400	15900
23	12200	13300	9500	12000	15200	17800	20300	17600	17300	16600	12200	16200
24	11900	12600	9410	12100	15000	17600	21200	18200	17300	18300	15000	15500
25	10800	12600	9430	12000	17400	18300	20300	18700	16800	19000	15300	13100
26	9760	11700	9430	11800	19300	18700	20400	19200	17800	19000	14500	14400
27	11200	11600	9630	11700	19300	18800	19300	17000	17300	17600	15500	14600
28	10200	10700	9580	13100	19300	19200	18700	16800	17800	17600	15500	10900
29	9030	10100	9190	12600	---	19200	20200	18500	17700	16600	15500	12800
30	9040	10600	9410	12600	---	18400	20200	19300	18000	16800	15400	15400
31	9190	---	9630	13000	---	18300	---	19800	---	16700	15500	---
TOTAL	350720	320970	327820	354240	421700	559300	592200	579300	546700	534700	487300	416400
MEAN	11310	10700	10570	11430	15060	18040	19740	18690	18220	17250	15720	13880
MAX	13800	13300	12700	13100	19300	19200	21200	20900	19500	19000	17500	16200
MIN	9030	8990	9190	9760	12700	16700	18100	16800	16800	15900	12200	10900
AC-FT	695700	636600	650200	702600	836400	1109000	1175000	1149000	1084000	1061000	966600	825900

CAL YR 2001 TOTAL 5327650 MEAN 14600 MAX 22300 MIN 8670 AC-FT 10570000
WTR YR 2002 TOTAL 5491350 MEAN 15040 MAX 21200 MIN 8990 AC-FT 10890000