

# Selected Data on Water Quantity and Quality at Four Sites on Streams Draining Public Lands, Colorado River Basin, Southeastern Nevada, October 1988 - September 1991

By Gary C. Gortsema

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Robert M. Hirsch, *Acting Director*

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For additional information  
write to:

District Chief  
U.S. Geological Survey  
333 West Nye Lane, Room 203  
Carson City, NV 89706-0866

Copies of this report may be  
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## CONVERSION FACTORS AND VERTICAL DATUM

	Multiply	By	To obtain
acre-feet (acre-ft)		1,233	cubic meter
cubic feet per second (ft <sup>3</sup> /s)		0.02832	cubic meter per second
mile (mi)		1.609	kilometer
square mile (mi <sup>2</sup> )		2.590	square kilometer

For temperature, degrees Celsius (°C) can be converted to degrees Fahrenheit (°F) by using the formula °F=[1.8(°C)]+32.

**Sea Level:** In this report, "sea level" refers to the National Vertical Datum of 1929 (NGVD of 1929, formerly called "Sea-Level Datum of 1929"), which is derived from a general adjustment of the first order leveling networks of both the United States and Canada.

# Selected Data on Water Quantity and Quality at Four Sites on Streams Draining Public Lands, Colorado River Basin, Southeastern Nevada, October 1988 - September 1991

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## Abstract

Control of dissolved-solids concentrations (salinity) in the Colorado River Basin is an important water-quality management issue. Excessive dissolved-solids concentrations in the Colorado River economically affect public water supplies and irrigation. In addition, dissolved-solids concentrations are a political issue, because of the international agreement between the United States and Mexico on the quality of water in the Colorado River at the border.

The Nevada part of the Colorado River Basin encompasses about 12,000 square miles, of which 70 percent is public land. Water-quality monitoring stations existing before 1988 were at or near the mouths of tributaries flowing into Lake Mead on the Colorado River below multiple sources of dissolved solids. Thus, data were insufficient to assess what percentage of the overall dissolved-solids contribution to the Colorado River comes from public lands. To assess that contribution in southeastern Nevada, four streamflow and water-quality stations were established, one each on Pahrangat Wash, Muddy River, Meadow Valley Wash, and Las Vegas Wash. Streamflow data and specific-conductance data (an indirect, approximate measure of dissolved-solids concentration) were recorded half-hourly at Pahrangat Wash and Las Vegas Wash, and hourly at Muddy River and Meadow Valley Wash. In addition, water samples were collected during station

visits and analyzed for instantaneous specific conductance and dissolved-solids concentration. Additional water samples were collected during selected periods of storm runoff.

Data collected at the four sites from October 1988 through September 1991 are presented in tabular format in this report. These data provide information for characterizing the dissolved-solids contribution from public lands in southeastern Nevada to the Colorado River.

## INTRODUCTION

Control of dissolved solids<sup>1</sup> (salinity) in the Colorado River Basin is an important water-quality management issue. Excessive dissolved-solids concentrations in the Colorado River economically affect public water supplies and irrigation. In addition, dissolved-solids concentrations are a political issue, because of the international agreement between the United States and Mexico on the quality of water in the Colorado River at the International Boundary (U.S. Bureau of Reclamation, 1991).

The Nevada part of the Colorado River basin encompasses about 12,000 mi<sup>2</sup>, of which 70 percent is public land. The U.S. Bureau of Land Management (USBLM) is responsible for managing large tracts of public land in Nevada. Water-quality monitoring stations existing before 1988 were at or near the mouths of tributaries to Lake

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<sup>1</sup>For the purpose of this report, dissolved solids and salinity are synonymous.

Mead on the Colorado River (fig. 1), below multiple sources of dissolved solids. Data collected at these sites were insufficient to assess what percentage of the overall dissolved-solids contribution to the river comes from public lands.

The U.S. Geological Survey (USGS), in cooperation with the USBLM, began a 5-year program in October 1988 to assess the contribution of dissolved solids from public lands in the Colorado River basin of southeastern Nevada. As part of this study, four gaging stations were established, one each on Pahranaagat Wash, Muddy River, Meadow Valley Wash, and Las Vegas Wash (fig. 1). All but the Muddy River gage are above major urban and agricultural developments.

The Pahranaagat Wash gage is in an ephemeral channel about 9 mi northwest of Moapa and about 4 mi northwest of the Muddy River gage. Flow in Pahranaagat Wash at the gage is primarily storm related. Surface runoff past the gage may not reach the Muddy River because of infiltration and evaporation.

The Muddy River gage is about 5 mi northwest of Moapa. Perennial springs are the source of the Muddy River, and flow continuously reaches Lake Mead.

The Meadow Valley Wash gage is about 14 mi north of Moapa. The flow is perennial at the gage, but it is intermittent at some reaches of the wash upstream and downstream of the gage. Flow infiltrates about 3 mi downstream, and only during extreme snowmelt runoff or intense storms does surface flow reach the Muddy River.

The Las Vegas Wash gage is about 4 mi northwest of North Las Vegas, above urban development. The channel is ephemeral, and small flows may be contained in a manmade detention basin about 1/2 mi below the gage. Larger flows reach and pass through the detention-basin outlet.

The purpose of this report is to present tabulations of selected water-quantity and water-quality data collected at the four sites from October 1988 through September 1991. The data include daily mean streamflow, daily mean specific conductance, miscellaneous measurements of

streamflow and specific conductance, and laboratory determinations of dissolved-solids concentration. At completion of the 5-year study, the accumulated data can be used to estimate the magnitude of dissolved-solids contributions from public lands. These estimates, in turn, may help form a basis for development of salinity-control programs.

## BASIC DATA

Data-collection instruments at the four sites include continuous streamflow and specific-conductance recorders. Streamflow data and specific-conductance data were recorded half-hourly at Pahranaagat Wash and Las Vegas Wash, and hourly at Muddy River and Meadow Valley Wash. The four sites were visited about once a month.

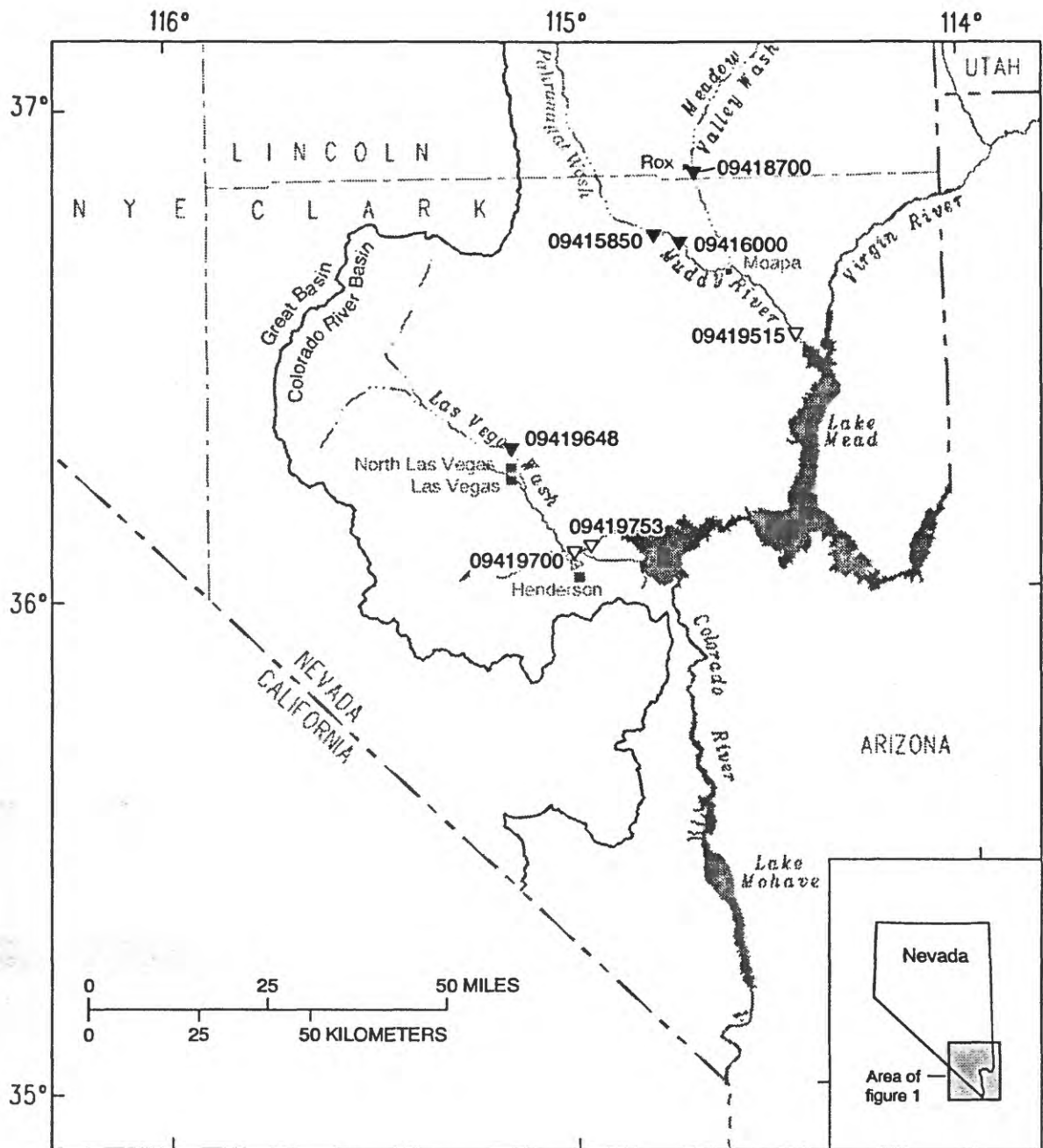
Daily mean streamflow at the four sites is listed in tables 2-5. Pahranaagat Wash and Las Vegas Wash sites are ephemeral channels, and days of no flow are recorded as 0.00 ft<sup>3</sup>/s. Missing values of daily mean streamflow are estimated and noted with an 'e'.

Daily mean specific conductances are listed in tables 6-9. Conductance is the ability of a solution to conduct an electrical current due to the presence of dissolved, ionized constituents. As the concentration of dissolved constituents increases, the conductance of the solution also increases. The specific-conductance measurement, therefore, is an indirect, approximate measure of dissolved-solids concentration (Hem, 1985, p. 66-69). No specific conductance was recorded at the Pahranaagat Wash gage during water year<sup>2</sup> 1989, and the Las Vegas Wash gage during water years 1989 and 1991, even though flow occurred. Missing values of specific conductance are not estimated; instead, they are noted as "not determined."

Table 1 summarizes the data on daily mean streamflow and specific conductance listed in tables 2-9 for October 1988 through September 1991.

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<sup>2</sup>Water year is the 12-month period from October 1 through September 30, designated by the calendar year in which it ends.



**EXPLANATION**

- BOUNDARY BETWEEN COLORADO RIVER BASIN AND GREAT BASIN
- 09419753 ▽ STATION EXISTING AT START OF STUDY
- 09419648 ▼ STATION ESTABLISHED FOR THIS STUDY

FIGURE 1.--Streamflow and water-quality stations, southeastern Nevada.

Instantaneous measurements of streamflow and specific conductance made during routine and storm-related visits are listed in tables 10-13. Water samples that were collected during the visits were analyzed for dissolved-solids concentration, in terms of milligrams per liter, at the

U.S. Geological Survey National Water-Quality Laboratory in Arvada, Colo. These data are listed in tables 10-13. These and other water-quality data collected as part of this project are presented in the U.S. Geological Survey annual water-resources data reports for Nevada (U.S. Geological Survey, 1990-92).

**Table 1.** Summary of data on streamflow and specific conductance at study sites, October 1988-September 1991

[Abbreviations: e, estimated; microsiemens, microsiemens per centimeter at 25 degrees Celsius]

Stream site	Streamflow				Specific conductance			
	Number of days of flow	Cubic feet per second			Number of days of record	Microsiemens		
		Mean for period of flow	Maximum instantaneous	Minimum daily		Mean for period of record	Maximum recorded	Minimum recorded
Pahranagat Wash near Moapa	19	38.3	e3,350	0.00	16	237	550	112
Muddy River near Moapa	1,095	35.4	e5,760	26	704	1,000	1,470	496
Meadow Valley Wash near Rox	1,095	1.26	e550	.20	972	1,470	7,460	368
Las Vegas Wash above detention basin near North Las Vegas	11	1.26	e278	.00	2	162	225	128

**Table 2.** Daily mean streamflow, Pahrnagat Wash near Moapa (station 09415850)

LOCATION.--Lat 36°43'46", long 114 46'09", in NE 1/4 SE 1/4 sec. 12, T. 14 S., R. 64 E., Clark County, Hydrologic Unit 15010012, on left bank, 2.0 mi downstream of Arrow Canyon Dam, and 9.0 mi northwest of Moapa.

DRAINAGE AREA.--252 mi<sup>2</sup>.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum streamflow, 3,350 ft<sup>3</sup>/s, September 6, 1991, on basis of indirect measurement of peak flow; no flow most days.

ABBREVIATIONS.--AC-FT, acre-feet; E, east; e, estimated; ft<sup>3</sup>/s, cubic feet per second; lat, latitude; long, longitude; MAX, maximum; mi, mile; mi<sup>2</sup>, square mile; MIN, minimum; NE, northeast; R., range; S., south; SE, southeast; sec, section; T., township

Daily mean streamflow (cubic feet per second), Water Year October 1988 to September 1989												
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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	e4.3	.00	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.30	0.00	0.00
MEAN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.14	.000	.000
MAX	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.3	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.5	.00	.00



**Table 2. Daily mean streamflow, Pahrnagat Wash near Moapa (09415850)--Continued**

Daily mean streamflow (cubic feet per second), Water Year October 1989 to September 1990												
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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	67	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	15	84	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.62	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.0	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.19	151.62	0.00
MEAN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.62	4.89	.000
MAX	.00	.00	.00	.00	.00	.00	.00	.00	.00	15	84	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.00	.00	.00	38	301	.00

Table 2. Daily mean streamflow, Pahranagat Wash near Moapa (09415850)--Continued

Daily mean streamflow (cubic feet per second), Water Year October 1990 to September 1991												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00
2	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e394
7	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e17.0
8	.00	e.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	e.02
9	.00	e.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	e.00
10	.00	e.00	.00	e.00	.00	.00	.00	.00	.00	.00	4.5	e.00
11	.00	e.00	.00	e.00	.00	.00	.00	.00	.00	.00	72	e.00
12	.00	e.00	.00	e.00	.00	.00	.00	.00	.00	.00	9.7	e.00
13	.00	e.00	.00	e.00	.00	.00	.00	.00	.00	.00	.01	e.00
14	.00	e.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	e.00
15	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	e.00
16	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	e.00
17	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	e.00
18	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	e.00
19	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	e.00
20	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	47	.00
27	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	6.5	.00
28	.00	.00	.00	e.00	1.6	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	e.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	e.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	1.60	0.12	0.00	0.00	0.00	0.00	139.71	411.02
MEAN	.000	.000	.000	.000	.057	.004	.000	.000	.000	.000	4.51	13.7
MAX	.00	.00	.00	.00	1.6	.12	.00	.00	.00	.00	72	394
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	3.2	.2	.00	.00	.00	.00	277	815

**Table 3. Daily mean streamflow, Muddy River near Moapa (09416000)**

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<sup>2</sup>, approximately, of which about 40 mi<sup>2</sup> 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. Monthly streamflow only for some periods, published by U.S. Geological Survey (1954). Records for January 1904 to December 1906 (gage heights only), 1908-9 (streamflow measurements only), and April to October 1910 not equivalent owing to large difference in drainage area.

EXTREMES FOR PERIOD OF RECORD.--Maximum streamflow, 5,760 ft<sup>3</sup>/s, August 16, 1990, on basis of slope-area measurement of peak flow; minimum daily, 20 ft<sup>3</sup>/s, October 13, 1985, and August 21, 1986.

ABBREVIATIONS.--AC-FT, acre-feet; E., east; e, estimated; ft<sup>3</sup>/s, cubic feet per second; lat, latitude; long, longitude; MAX, maximum; mi, mile; mi<sup>2</sup>, square mile; MIN, minimum; R., range; S., south; SE, southeast; sec., section; T., township

Daily mean streamflow (cubic feet per second), Water Year October 1988 to September 1989												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	33	39	36	37	34	32	35	36	35	29	34
2	36	31	39	37	37	34	36	38	36	34	30	31
3	33	31	39	33	37	34	35	39	37	32	29	30
4	33	33	39	36	38	34	32	39	36	32	e29	30
5	31	32	39	34	38	33	33	38	36	31	e29	30
6	31	31	39	37	38	34	30	38	36	32	e29	29
7	31	30	39	35	41	35	33	38	35	32	e29	29
8	32	33	39	31	41	36	33	36	35	31	e29	29
9	32	34	37	32	41	34	32	36	34	31	e29	29
10	29	35	40	36	40	33	30	35	34	32	e29	30
11	29	34	43	36	40	29	34	36	35	30	e29	29
12	31	35	42	32	40	31	33	37	34	33	e36	29
13	26	34	42	33	39	31	29	36	33	32	e34	30
14	28	31	41	35	38	32	31	36	33	30	e32	30
15	30	32	38	36	40	32	31	35	33	30	e30	29
16	31	34	37	37	41	33	32	35	33	31	28	29
17	33	34	38	e38	41	32	31	35	33	30	30	32
18	35	36	38	e38	37	32	29	34	33	30	31	31
19	32	35	37	e38	35	33	28	35	32	31	30	32
20	29	37	38	e38	34	32	29	34	33	31	30	32
21	28	35	37	e37	34	32	30	35	33	30	29	31
22	30	36	38	e37	37	31	30	34	33	30	31	30
23	31	38	38	e37	41	32	31	34	32	31	31	31
24	33	38	38	e37	41	32	30	35	31	29	30	31
25	32	38	39	e37	39	33	31	35	33	29	30	32
26	32	38	41	e37	39	35	31	35	33	29	30	34
27	32	38	40	e36	39	35	30	35	31	30	32	33
28	32	38	37	e36	38	33	30	35	31	34	31	33
29	33	31	37	e36	---	33	31	35	31	31	31	31
30	33	35	37	e36	---	33	31	36	33	29	33	31
31	33	---	37	36	---	32	---	35	---	29	34	---
TOTAL	978	1,030	1,202	1,110	1,081	1,019	938	1,109	1,008	961	943	921
MEAN	31.5	34.3	38.8	35.8	38.6	32.9	31.3	35.8	33.6	31.0	30.4	30.7
MAX	37	38	43	38	41	36	36	39	37	35	36	34
MIN	26	30	37	31	34	29	28	34	31	29	28	29
AC-FT	1,940	2,040	2,380	2,200	2,140	2,020	1,860	2,200	2,000	1,910	1,870	1,830

Table 3. Daily mean streamflow, Muddy River near Moapa (09416000)--Continued

Daily mean streamflow (cubic feet per second), Water Year October 1989 to September 1990												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	37	33	35	40	36	39	39	37	34	34	35
2	31	37	34	36	38	34	39	40	37	34	33	35
3	28	38	33	36	36	33	38	41	36	32	32	35
4	27	37	32	36	37	33	38	41	36	33	32	34
5	26	39	32	36	37	32	36	41	36	34	30	33
6	27	40	32	36	36	31	36	40	35	34	30	32
7	27	36	35	36	35	31	36	40	35	34	30	32
8	27	32	35	35	35	32	36	40	37	32	30	31
9	27	33	35	35	34	32	33	40	38	31	29	32
10	28	30	35	35	34	31	36	39	41	33	28	31
11	28	30	34	35	34	31	39	39	39	33	29	32
12	28	31	34	36	34	32	37	38	38	33	29	31
13	27	31	35	36	35	32	39	38	37	33	28	30
14	27	31	36	36	35	31	38	39	36	33	28	30
15	26	30	38	35	33	31	38	40	36	33	29	30
16	28	31	35	35	32	30	36	40	36	38	e930	31
17	29	31	34	40	32	31	35	40	36	34	e35	30
18	28	31	33	39	33	32	38	39	35	35	35	31
19	32	33	35	37	33	30	37	38	35	34	34	32
20	31	35	36	36	33	31	35	39	35	33	33	30
21	27	35	36	36	33	33	33	38	35	33	34	31
22	29	34	34	34	32	35	34	38	36	34	35	33
23	28	35	35	37	32	33	33	38	36	33	35	34
24	27	34	35	39	32	32	35	37	34	32	35	34
25	28	34	35	38	33	33	34	39	34	32	35	33
26	31	34	34	37	36	30	34	39	33	33	34	33
27	34	35	34	38	37	30	33	39	33	33	33	33
28	35	36	35	40	37	30	33	39	33	34	33	32
29	34	35	35	39	---	32	33	40	33	34	35	33
30	36	35	36	39	---	32	35	38	33	34	34	33
31	37	---	36	39	---	33	---	38	---	34	34	---
TOTAL	912	1,020	1,071	1,137	968	989	1,076	1,214	1,071	1,036	1,895	966
MEAN	29.4	34.0	34.5	36.7	34.6	31.9	35.9	39.2	35.7	33.4	61.1	32.2
MAX	37	40	38	40	40	36	39	41	41	38	930	35
MIN	26	30	32	34	32	30	33	37	33	31	28	30
AC-FT	1,810	2,020	2,120	2,260	1,920	1,960	2,130	2,410	2,120	2,050	3,760	1,920

**Table 3.** Daily mean streamflow, Muddy River near Moapa (09416000)--Continued

Daily mean streamflow (cubic feet per second), Water Year October 1990 to September 1991												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	31	35	36	36	38	37	42	39	34	32	35
2	30	30	34	37	36	37	35	42	38	34	31	35
3	27	30	34	39	36	37	35	42	38	33	31	35
4	27	31	35	40	35	37	34	41	38	32	31	35
5	27	32	36	39	37	36	36	41	38	32	31	36
6	27	31	36	37	37	37	35	41	37	31	32	85
7	28	33	36	36	36	36	35	41	37	32	32	86
8	27	32	36	36	37	36	36	40	36	33	31	66
9	28	32	35	36	37	37	40	41	36	33	31	39
10	28	31	35	36	37	38	37	40	35	33	32	39
11	28	31	38	36	37	40	37	41	35	32	68	39
12	29	31	38	37	37	38	37	41	37	32	45	39
13	30	34	38	36	36	37	38	41	36	31	33	40
14	31	38	38	36	36	38	40	41	35	32	32	39
15	29	36	39	36	36	38	38	40	34	31	32	38
16	29	34	37	36	36	39	38	40	34	33	31	39
17	29	33	38	37	37	39	38	40	34	33	31	39
18	30	34	39	39	36	39	38	39	34	33	32	39
19	29	33	39	39	36	40	39	40	34	32	31	40
20	30	35	39	37	37	41	39	39	34	32	31	40
21	30	33	38	36	35	40	40	39	34	32	31	39
22	30	34	36	36	36	39	39	39	33	32	31	39
23	29	36	37	36	36	39	37	39	34	32	32	39
24	30	35	37	37	36	40	41	38	34	32	32	39
25	31	33	37	40	36	40	39	37	35	32	31	39
26	30	32	37	37	36	38	37	37	34	32	49	39
27	32	34	38	37	37	41	36	35	34	32	45	39
28	33	35	40	37	40	40	37	36	34	33	32	40
29	31	36	39	37	---	40	37	37	34	32	33	40
30	31	36	38	36	---	39	37	37	34	31	33	39
31	31	---	36	36	---	40	---	39	---	32	35	---
TOTAL	914	996	1,148	1,146	1,020	1,194	1,122	1,226	1,059	1,000	1,064	1,275
MEAN	29.5	33.2	37.0	37.0	36.4	38.5	37.4	39.5	35.3	32.3	34.3	42.5
MAX	33	38	40	40	40	41	41	42	39	34	68	86
MIN	27	30	34	36	35	36	34	35	33	31	31	35
AC-FT	1,810	1,980	2,280	2,270	2,020	2,370	2,230	2,430	2,100	1,980	2,110	2,530

**Table 4. Daily mean streamflow, Meadow Valley Wash near Rox (09418700)**

LOCATION.--Lat 36°52'11", long 114°39'55", 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<sup>2</sup>.

PERIOD OF RECORD.--February 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum streamflow, 550 ft<sup>3</sup>/s, September 24, 1990, on basis of slope-conveyance measurement; minimum daily, 0.14 ft<sup>3</sup>/s, August 9, 1987.

ABBREVIATIONS.--AC-FT, acre-feet; E., east; e, estimated; ft<sup>3</sup>/s, cubic feet per second; lat, latitude; long, longitude; MAX, maximum; mi, mile; mi<sup>2</sup>, square mile; MIN, minimum; NW, northwest; R., range; sec, section; S., south; T., township

Daily mean streamflow (cubic feet per second), Water Year October 1988 to September 1989												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.52	0.90	1.2	1.3	1.3	1.7	1.9	2.3	1.0	0.82	0.50	0.33
2	.52	.91	1.2	1.3	1.3	1.6	1.8	2.4	.97	.82	.46	.34
3	.49	.92	1.2	1.3	1.3	1.6	1.8	2.3	.98	.79	.44	.35
4	.50	.93	1.2	1.4	1.3	1.6	1.8	2.3	.96	.76	.42	.34
5	.51	.93	1.2	1.4	1.3	1.6	1.8	2.3	.94	.74	.40	.34
6	.52	.96	1.2	1.4	1.3	1.7	1.8	2.3	.95	.75	.38	.34
7	.52	.97	1.2	1.3	1.3	1.7	1.8	2.3	.99	.78	.36	.33
8	.52	.98	1.2	1.3	1.3	1.6	1.8	2.3	1.0	.78	.35	.35
9	.50	.99	1.2	1.3	1.4	1.6	1.8	2.4	1.0	.79	.33	.35
10	.50	1.0	1.2	1.3	1.4	1.6	1.7	2.5	1.0	.77	.33	.35
11	.49	1.0	1.2	1.3	1.4	1.6	1.7	2.6	.96	.76	.28	.37
12	.49	1.0	1.2	1.3	1.4	1.6	1.7	2.7	.95	.79	.28	.37
13	.52	1.0	1.2	1.3	1.4	1.7	1.6	2.8	.95	.81	.27	.37
14	.54	1.0	1.2	1.3	1.4	1.7	1.5	2.8	.96	.80	.27	.37
15	.58	1.0	1.2	1.3	1.4	1.7	1.5	2.7	.95	.78	.26	.38
16	.60	1.0	1.3	1.3	1.4	1.7	1.5	2.5	.94	.79	.24	.42
17	.67	1.1	1.3	1.3	1.5	1.7	1.5	2.4	.94	.82	.25	.44
18	.71	1.1	1.3	1.3	1.5	1.7	1.6	2.2	.94	.77	.26	.45
19	.76	1.1	1.3	1.3	1.5	1.7	1.6	2.1	.93	.72	.26	.46
20	.77	1.1	1.3	1.3	1.5	1.7	1.7	2.0	.94	.72	.26	.49
21	.80	1.1	1.3	1.3	1.5	1.7	1.7	1.6	.97	.70	.25	.50
22	.82	1.1	1.3	1.4	1.6	1.8	1.9	1.7	.96	.68	.27	.50
23	.85	1.1	1.3	1.4	1.6	1.8	1.8	1.7	.97	.73	.27	.53
24	.86	1.1	1.3	1.4	1.6	1.8	1.9	1.7	.86	.69	.28	.54
25	.88	1.1	1.3	1.3	1.6	1.8	2.0	1.6	.85	.65	.28	.58
26	.87	1.1	1.3	1.3	1.6	1.8	2.1	1.4	.84	.63	.30	.60
27	.88	1.1	1.3	1.3	1.6	1.8	2.3	1.6	.83	.63	.31	.63
28	.88	1.1	1.3	1.3	1.6	1.8	2.3	1.3	.81	.63	.32	.64
29	.88	1.1	1.3	1.3	---	1.9	2.2	1.1	.80	.61	.33	.66
30	.90	1.1	1.3	1.3	---	1.9	2.3	1.1	.80	.57	.33	.66
31	.90	---	1.3	1.3	---	1.9	---	1.1	---	.52	.32	---
TOTAL	20.75	30.89	38.8	40.9	40.3	53.1	54.4	64.1	27.94	22.60	9.86	13.38
MEAN	.67	1.03	1.25	1.32	1.44	1.71	1.81	2.07	.93	.73	.32	.45
MAX	.90	1.1	1.3	1.4	1.6	1.9	2.3	2.8	1.0	.82	.50	.66
MIN	.49	.90	1.2	1.3	1.3	1.6	1.5	1.1	.80	.52	.24	.33
AC-FT	41	61	77	81	80	105	108	127	55	45	20	27

Table 4. Daily mean streamflow, Meadow Valley Wash near Rox (09418700)--Continued

Daily mean streamflow (cubic feet per second), Water Year October 1989 to September 1990												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.67	0.67	1.4	2.1	1.4	1.5	2.2	1.3	1.0	e0.47	0.26	1.0
2	.70	.68	1.4	2.0	1.5	1.5	2.2	1.3	.97	e.46	.28	1.1
3	.67	.69	1.4	1.8	1.4	1.5	2.1	1.2	.93	e.45	.28	.99
4	.70	.72	1.5	1.7	1.5	1.5	2.1	1.2	.86	e.44	.31	.99
5	.72	.75	1.5	1.8	1.6	1.6	2.3	1.2	.78	e.43	.33	.81
6	.70	.74	1.6	1.6	1.5	1.5	2.3	1.2	.85	e.42	.36	.83
7	.67	.75	1.6	1.8	1.6	1.5	2.2	1.2	.92	e.41	.39	.85
8	.69	.76	1.6	1.8	1.5	1.5	2.1	1.2	1.0	e.40	.42	.80
9	.67	.78	1.6	1.7	1.4	1.7	2.0	1.2	1.0	e1.4	.44	.80
10	.67	.78	1.6	1.7	1.4	1.7	1.9	1.3	1.4	.39	.38	.70
11	.67	.75	1.6	1.7	1.4	1.6	1.8	1.4	1.2	.34	.39	.82
12	.70	.77	1.6	1.7	1.5	1.7	1.7	1.4	.83	.32	.42	.80
13	.66	.79	1.7	1.7	1.5	1.7	1.7	1.5	.80	.32	.42	.80
14	.70	.89	1.8	1.7	1.4	1.7	1.5	1.9	.73	.31	.44	.80
15	.81	.90	1.9	1.6	1.4	1.8	1.5	2.0	.66	.32	.82	.78
16	.70	.93	1.9	1.7	1.3	1.7	1.5	1.9	.66	.36	3.1	.79
17	.71	.97	2.0	2.7	1.4	1.9	1.6	2.0	.61	.31	.62	.75
18	.71	.95	2.1	1.9	1.4	1.9	1.4	1.9	.57	.28	.61	.71
19	.60	.95	2.2	1.5	1.4	2.0	1.1	1.9	.54	.26	.63	.70
20	.61	1.0	2.3	1.4	1.3	2.1	1.1	1.9	.53	.25	.66	.68
21	.69	1.1	2.4	1.4	1.3	2.3	1.5	1.9	.54	.23	.71	.66
22	.71	1.1	2.4	1.4	1.3	2.2	1.3	1.8	.50	.23	.75	.66
23	.68	1.2	2.4	1.3	1.3	2.2	1.2	1.8	.47	.22	.72	32
24	.68	1.3	2.5	1.3	1.3	2.2	1.9	1.6	.47	.20	.74	12
25	.66	1.3	2.6	1.3	1.4	2.3	1.5	1.3	.42	.20	.75	.67
26	.66	1.2	2.6	1.3	1.4	2.4	1.4	1.1	.41	.21	.76	.62
27	.66	1.2	2.8	1.2	1.5	2.5	1.2	.98	.43	.22	.81	.58
28	.64	1.2	2.6	1.2	1.4	2.5	1.2	1.1	.47	.25	.87	.58
29	.61	1.3	2.2	1.3	---	2.5	1.2	1.1	.49	.24	.94	.55
30	.62	1.3	2.0	1.4	---	2.4	1.3	1.0	e.48	.24	.96	.54
31	.66	---	1.9	1.4	---	2.4	---	1.0	---	.25	.97	---
TOTAL	21.00	28.42	60.7	50.1	39.7	59.5	50.0	44.78	21.52	10.83	20.54	65.36
MEAN	.68	.95	1.96	1.62	1.42	1.92	1.67	1.44	.72	.35	.66	2.18
MAX	.81	1.3	2.8	2.7	1.6	2.5	2.3	2.0	1.4	1.4	3.1	32
MIN	.60	.67	1.4	1.2	1.3	1.5	1.1	.98	.41	.20	.26	.54
AC-FT	42	56	120	99	79	118	99	89	43	21	41	130

**Table 4.** Daily mean streamflow, Meadow Valley Wash near Rox (09418700)--Continued

Daily mean streamflow (cubic feet per second), Water Year October 1990 to September 1991												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.53	0.86	1.1	1.9	1.6	2.6	2.1	2.1	2.8	0.46	0.48	0.69
2	.56	.89	1.1	2.0	1.7	2.0	2.1	2.1	2.1	.44	.50	.66
3	.56	.87	1.1	2.1	1.6	1.8	2.2	2.2	1.9	.42	.49	.66
4	.57	.86	1.1	2.6	1.5	1.9	2.1	2.1	1.7	.41	.49	.67
5	.58	.89	1.2	2.2	1.5	1.8	2.2	2.0	1.4	.40	.48	.67
6	.59	.90	1.1	2.1	1.4	1.7	2.2	2.0	1.3	.39	.48	.74
7	.60	.90	1.1	2.1	1.4	1.7	2.3	1.9	1.2	14	.48	3.4
8	.59	.94	1.1	2.1	1.4	1.8	2.1	1.9	1.2	.50	.49	1.2
9	.62	.94	1.1	2.3	1.5	1.9	2.1	1.7	1.1	.41	.51	.79
10	.63	.95	1.2	2.3	1.4	1.9	2.1	1.8	1.1	.41	.50	.76
11	.63	.94	1.2	2.3	1.4	1.9	2.2	1.8	1.0	.41	.55	.79
12	.62	.98	1.3	2.4	1.5	1.9	2.3	1.7	.93	.39	.58	.80
13	.65	1.0	1.2	2.4	1.4	2.1	2.2	1.7	.87	.39	.58	.74
14	.66	1.0	1.2	2.5	1.4	2.7	2.0	1.7	.82	.39	.59	.73
15	.68	1.0	1.2	2.6	1.5	2.7	1.9	1.8	.81	.39	.56	.70
16	.69	1.0	1.2	2.6	1.5	2.3	1.9	1.9	.87	.39	.55	.69
17	.70	1.1	1.1	2.2	1.5	2.0	1.9	1.8	.82	.40	.56	.66
18	.72	1.1	1.2	1.8	1.5	1.9	2.0	1.8	.80	.40	.59	.63
19	.77	1.0	1.3	1.8	1.4	2.2	1.9	1.8	.77	.40	.58	.61
20	.77	1.0	1.4	1.7	1.5	2.4	2.0	1.9	.72	.44	.57	.62
21	.77	1.0	1.5	1.7	1.5	2.7	2.0	1.9	.71	.44	.58	.63
22	.80	1.0	1.5	1.7	1.5	2.4	2.0	1.9	.67	.45	.60	.64
23	.82	1.1	1.4	1.7	1.5	2.0	2.1	1.9	.64	.45	.59	.62
24	.82	1.1	1.5	1.8	1.5	1.9	2.1	1.9	.61	.46	.58	.60
25	.81	1.1	1.5	1.8	1.4	1.9	2.1	1.9	.59	.47	.56	.58
26	.86	1.1	1.5	1.8	1.5	2.1	2.0	1.7	.58	.47	.58	.60
27	.86	1.1	1.5	1.7	1.6	2.6	2.1	1.6	.61	.47	.59	.56
28	.86	1.1	1.6	1.6	8.6	2.5	2.0	1.6	.60	.47	.57	.56
29	.85	1.1	1.7	1.5	---	2.2	2.1	1.5	.51	.45	.59	.56
30	.86	1.1	1.8	1.5	---	2.0	2.0	1.5	.48	.45	.61	.55
31	.86	---	1.8	1.5	---	2.1	---	2.4	---	.47	.70	---
TOTAL	21.89	29.92	40.8	62.3	48.7	65.6	62.3	57.5	30.21	26.89	17.16	23.11
MEAN	.71	1.00	1.32	2.01	1.74	2.12	2.08	1.85	1.01	.87	.55	.77
MAX	.86	1.1	1.8	2.6	8.6	2.7	2.3	2.4	2.8	14	.70	3.4
MIN	.53	.86	1.1	1.5	1.4	1.7	1.9	1.5	.48	.39	.48	.55
AC-FT	43	59	81	124	97	130	124	114	60	53	34	46



**Table 5.** Daily mean streamflow, Las Vegas Wash above detention basin near North Las Vegas (09419648)

LOCATION.--Lat 36°18'09", long 115°08'18", in SE 1/4 NW 1/4 sec. 15, T. 19 S., R. 61 E., Clark County, Hydrologic Unit 15010015, on left bank, 0.5 mi upstream of North Las Vegas detention basin dam, 5.2 mi north of Craig Road, and 4.5 mi northwest of North Las Vegas.

DRAINAGE AREA--Not determined.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum streamflow, 278 ft<sup>3</sup>/s, July 15, 1990, on basis of indirect measurement of peak flow; no flow most days.

ABBREVIATIONS.--AC-FT, acre-feet; E., east; e, estimated; ft<sup>3</sup>/s, cubic feet per second; lat, latitude; long, longitude; MAX, maximum; mi, mile; mi<sup>2</sup>, square mile; MIN, minimum; NW, northwest; R., range; S., south; SE, southeast; sec, section; T., township

Daily mean streamflow (cubic feet per second), Water Year October 1988 to September 1989												
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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.2	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.71	0.00
MEAN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.22	.000
MAX	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.2	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	13	.00

**Table 5.** Daily mean streamflow, Las Vegas Wash above detention basin near North Las Vegas (09419648)--  
Continued

Daily mean streamflow (cubic feet per second), Water Year October 1989 to September 1990												
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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.5	.01	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.51	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.01	0.01	0.06
MEAN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.13	.000	.002
MAX	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.5	.01	.06
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.0	.02	.1

**Table 5.** Daily mean streamflow, Las Vegas Wash above detention basin near North Las Vegas (09419648)--  
Continued

Daily mean streamflow (cubic feet per second), Water Year October 1990 to September 1991												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	e0.01	0.00	0.00	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	e2.0	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	e.01	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	e1.0	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	3.00	0.00	0.00
MEAN	.000	.000	.000	.000	.000	.001	.000	.000	.000	.097	.00	.000
MAX	.00	.00	.00	.00	.00	.01	.00	.00	.00	2.0	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.04	.00	.00	.00	6.0	.00	.00

**Table 6.** Daily mean specific conductance, Pahrnagat Wash near Moapa (09415850)

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

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded, 550 microsiemens, July 16, 1990; minimum recorded, 112 microsiemens, August 16, 1990.

ABBREVIATIONS.--°C, degrees Celsius; MAX, maximum; microsiemens, microsiemens per centimeter at 25 degrees Celsius; MIN, minimum; ---, no flow; \*\*\*, flow occurred, but conductance not determined.

Daily mean specific conductance (microsiemens), Water Year October 1988 to September 1989												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

**Table 6.** Daily mean specific conductance, Pahrnat Wash near Moapa (09415850)--Continued

Daily mean specific conductance (microsiemens), Water Year October 1989 to September 1990												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	157	---
16	---	---	---	---	---	---	---	---	---	263	179	---
17	---	---	---	---	---	---	---	---	---	***	***	---
18	---	---	---	---	---	---	---	---	---	304	---	---
19	---	---	---	---	---	---	---	---	---	***	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

**Table 6.** Daily mean specific conductance, Pahrnagat Wash near Moapa (09415850)--Continued

Daily mean specific conductance (microsiemens), Water Year October 1990 to September 1991												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	***	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	205
7	---	---	---	---	---	---	---	---	---	---	---	159
8	---	---	---	---	---	---	---	---	---	---	---	204
9	---	---	---	---	---	---	---	---	---	---	---	228
10	---	---	---	---	---	---	---	---	---	---	328	---
11	---	---	---	---	---	---	---	---	---	---	255	---
12	---	---	---	---	---	---	---	---	---	---	220	---
13	---	---	---	---	---	---	---	---	---	---	232	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	325	---
27	---	---	---	---	---	---	---	---	---	---	246	---
28	---	---	---	---	232	---	---	---	---	---	250	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

**Table 7. Daily mean specific conductance, Muddy River near Moapa (09416000)**

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

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded (more than 20 percent missing record), 1,470 microsiemens, August 16, 1990; minimum recorded, 496 microsiemens, September 7, 1991.

ABBREVIATIONS.--°C, degrees Celsius; MAX, maximum; microsiemens, microsiemens per centimeter at 25 degrees Celsius; MIN, minimum; \*\*\*, flow occurred, but conductance not determined.

Daily mean specific conductance (microsiemens), Water Year October 1988 to September 1989												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	983	967	966	997	***	***	***	***	***	***	***	1,020
2	1,020	956	972	995	***	***	***	***	***	***	***	1,010
3	1,040	950	982	998	***	***	***	***	***	***	***	1,010
4	1,060	986	996	1,010	***	***	***	***	***	***	***	1,010
5	1,020	1,010	1,000	1,010	***	***	***	***	***	***	***	1,010
6	1,020	1,000	1,000	1,000	***	***	***	***	***	***	***	1,010
7	1,010	1,000	1,000	990	***	***	***	***	***	***	***	1,010
8	969	1,000	991	988	***	***	***	***	***	***	***	1,010
9	964	1,000	966	988	***	***	***	***	***	***	***	1,010
10	975	1,000	984	987	***	***	***	***	***	***	***	1,010
11	973	993	1,020	***	***	***	***	***	***	***	***	1,010
12	976	1,050	1,020	***	***	***	***	***	***	***	***	1,010
13	981	1,040	1,010	***	***	***	***	***	***	***	***	1,010
14	989	1,020	994	***	***	***	***	***	***	***	***	1,010
15	981	994	978	***	***	***	***	***	***	***	***	1,010
16	984	987	974	***	***	***	***	***	***	***	***	1,010
17	990	993	980	***	***	***	***	***	***	***	***	1,010
18	992	997	978	***	***	***	***	***	***	***	***	1,010
19	989	996	961	***	***	***	***	***	***	***	***	1,000
20	984	1,010	968	***	***	***	***	***	***	927	***	1,000
21	983	1,010	963	***	***	***	***	***	***	933	***	1,000
22	986	1,010	951	***	***	***	***	***	***	934	***	1,010
23	993	998	959	***	***	***	***	***	***	935	***	1,010
24	1,010	985	964	***	***	***	***	***	***	935	1,020	1,010
25	1,010	998	968	***	***	***	***	***	***	935	1,020	1,010
26	1,010	1,020	972	***	***	***	***	***	***	935	1,020	1,010
27	1,000	1,030	977	***	***	***	***	***	***	932	1,020	1,010
28	994	1,030	985	***	***	***	***	***	***	***	1,020	1,010
29	993	975	991	***	---	***	***	***	***	***	1,020	1,010
30	980	950	994	***	---	***	***	***	***	***	1,020	1,010
31	972	---	991	***	---	***	---	***	---	***	1,020	---
MEAN	995	998	982	---	---	---	---	---	---	---	---	1,010
MAX	1,060	1,050	1,020	---	---	---	---	---	---	---	---	1,020
MIN	964	950	951	---	---	---	---	---	---	---	---	1,000

Table 7. Daily mean specific conductance, Muddy River near Moapa (09416000)--Continued

Daily mean specific conductance (microsiemens), Water Year October 1989 to September 1990												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,000	1,000	1,020	1,000	1,010	1,000	1,010	***	***	***	977	***
2	1,000	1,000	1,010	1,010	1,010	1,010	1,010	***	***	***	976	***
3	1,000	1,010	1,010	1,000	1,010	1,010	1,010	***	***	***	979	***
4	1,000	1,010	1,010	1,000	1,010	1,000	1,010	***	***	***	981	***
5	999	1,010	1,010	1,000	1,010	1,000	1,010	***	1,000	963	983	***
6	1,000	1,010	1,010	1,000	1,010	1,000	1,010	***	1,010	951	982	***
7	1,000	1,010	1,010	1,000	1,000	997	1,010	***	1,010	947	985	***
8	1,000	1,010	1,010	1,000	999	999	1,010	***	1,010	953	984	***
9	1,000	1,010	1,010	1,000	997	999	1,010	***	1,020	988	988	***
10	1,000	1,010	1,010	1,000	997	1,000	1,010	***	1,040	998	995	***
11	1,010	1,020	1,010	1,000	1,000	998	1,010	***	1,020	992	996	***
12	1,010	1,030	1,010	1,000	1,000	998	1,010	***	1,010	987	998	***
13	1,010	1,030	1,010	1,000	997	995	1,000	***	1,020	988	997	***
14	1,010	1,030	1,010	1,000	993	993	1,000	***	1,020	988	996	***
15	1,010	1,020	1,010	1,010	996	999	999	***	1,020	982	989	***
16	1,010	1,030	1,000	1,010	994	996	996	***	1,030	960	1,090	***
17	1,000	1,030	1,010	1,120	998	1,000	996	***	***	983	1,080	***
18	997	1,020	1,010	1,100	1,010	1,010	998	***	***	977	1,100	***
19	994	1,020	1,010	1,030	1,010	1,010	999	***	***	974	1,070	***
20	995	1,020	1,000	1,020	1,010	1,010	***	***	***	970	1,050	***
21	997	1,020	1,010	1,010	1,010	1,000	***	***	***	970	1,050	***
22	998	1,020	1,010	1,020	1,010	1,010	***	***	***	971	1,040	***
23	997	1,020	1,000	1,010	1,010	1,010	***	***	***	971	1,040	***
24	994	1,020	1,000	1,010	1,010	1,010	***	***	***	973	1,040	***
25	999	1,020	1,000	1,010	1,010	1,010	***	***	***	973	1,040	***
26	1,000	1,030	1,000	1,010	1,010	1,010	***	***	***	971	1,030	***
27	1,000	1,030	999	1,010	1,000	1,020	***	***	***	972	1,030	***
28	1,000	1,030	1,000	1,010	1,010	1,020	***	***	***	973	1,030	***
29	1,000	1,020	1,000	1,010	---	1,020	***	***	***	974	1,030	***
30	1,000	1,020	999	1,020	---	1,020	***	***	***	973	1,030	***
31	1,000	---	1,000	1,010	---	1,020	---	***	---	975	1,030	---
MEAN	1,000	1,020	1,010	1,010	1,000	1,010	---	---	---	---	1,020	---
MAX	1,010	1,030	1,020	1,120	1,010	1,020	---	---	---	---	1,100	---
MIN	994	1,000	999	1,000	993	993	---	---	---	---	976	---



Table 7. Daily mean specific conductance, Muddy River near Moapa (09416000)--Continued

Daily mean specific conductance (microsiemens), Water Year October 1990 to September 1991												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	***	***	***	1,030	1,000	1,080	1,070	1,040	1,020	992	987	979
2	***	***	***	1,030	1,010	1,050	1,070	1,040	996	992	990	977
3	***	***	***	1,040	1,010	1,050	1,060	1,040	993	989	987	977
4	***	***	***	1,080	1,010	1,040	1,060	1,040	991	995	985	982
5	***	***	***	1,060	1,020	1,040	1,060	1,040	983	995	981	983
6	***	***	***	1,040	1,020	1,030	1,060	1,040	988	994	982	965
7	***	***	***	1,040	1,030	1,030	1,060	1,040	998	999	980	657
8	***	***	***	1,040	1,030	1,030	1,060	1,040	999	1,000	978	692
9	***	***	***	1,030	1,040	1,030	1,050	1,030	993	996	978	983
10	***	***	***	1,030	1,040	1,030	1,050	1,030	993	996	987	1,000
11	***	***	***	1,030	1,040	1,020	1,050	1,030	991	993	802	1,000
12	***	***	***	1,030	1,050	1,020	1,050	1,030	991	998	827	997
13	***	***	***	1,030	1,050	1,020	1,050	1,030	990	999	977	993
14	***	***	***	1,030	1,060	1,050	1,050	1,020	987	999	976	992
15	***	***	***	1,020	1,060	1,040	1,050	1,030	985	995	973	990
16	***	***	***	1,020	1,060	1,040	1,050	1,030	980	995	971	992
17	***	***	***	1,020	1,060	1,040	1,050	1,020	971	995	970	989
18	***	***	***	1,020	1,060	1,040	1,050	1,020	965	1,010	972	992
19	***	***	***	1,010	1,060	1,040	1,050	1,020	961	1,000	972	987
20	***	***	1,030	1,010	1,070	1,070	1,060	1,010	956	999	975	993
21	***	***	1,010	1,000	1,060	1,080	1,050	1,010	950	998	981	990
22	***	***	1,020	1,000	1,060	1,070	1,050	1,010	948	999	981	1,000
23	***	***	1,010	1,000	1,060	1,060	1,060	1,010	946	998	983	1,000
24	***	***	1,020	1,010	1,050	1,060	1,050	1,010	963	996	982	999
25	***	***	1,030	1,010	1,050	1,060	1,050	1,000	994	997	982	998
26	***	***	1,030	1,010	1,050	1,050	1,050	1,000	993	995	869	995
27	***	***	1,030	1,010	1,050	1,080	1,050	996	989	994	859	997
28	***	***	1,030	1,010	1,130	1,080	1,050	998	990	992	983	994
29	***	***	1,030	1,000	---	1,070	1,050	995	995	991	986	996
30	***	***	1,030	1,000	---	1,060	1,040	993	993	992	978	987
31	***	---	1,030	1,000	---	1,070	---	993	---	992	984	---
MEAN	---	---	---	1,020	1,050	1,050	1,050	1,020	983	996	962	969
MAX	---	---	---	1,080	1,130	1,080	1,070	1,040	1,020	1,010	990	1,000
MIN	---	---	---	1,000	1,000	1,020	1,040	993	946	989	802	657

**Table 8.--Daily mean specific conductance, Meadow Valley Wash near Rox (09418700)**

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

EXTREMES FOR PERIOD OF DAILY RECORD.--Maximum recorded, 7,460 microsiemens, January 18, 1990; minimum recorded, 368 microsiemens, September 23, 1990.

ABBREVIATIONS.--°C, degrees Celsius; MAX, maximum; microsiemens, microsiemens per centimeter at 25 degrees Celsius; MIN, minimum; \*\*\*, flow occurred, but conductance not determined.

Daily mean specific conductance (microsiemens), Water Year October 1988 to September 1989												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,290	1,370	1,690	1,720	1,590	1,550	1,560	1,380	1,340	***	1,300	1,300
2	1,300	1,370	1,710	1,730	1,600	1,550	1,540	1,360	1,330	***	1,300	1,310
3	1,300	1,380	1,690	1,710	1,590	1,560	1,560	1,370	1,330	***	1,300	1,340
4	1,310	1,380	1,690	1,760	1,570	1,530	1,530	1,380	1,320	***	1,290	1,370
5	1,310	1,400	1,700	2,430	1,610	1,520	1,510	1,360	1,320	***	1,290	1,390
6	1,310	1,400	1,700	2,410	1,590	1,530	1,510	1,350	1,310	***	1,290	1,390
7	1,310	1,390	1,710	1,940	1,580	1,540	1,500	1,340	***	***	1,290	1,410
8	1,300	1,400	1,720	1,780	1,570	1,540	1,500	1,360	***	***	1,300	1,420
9	1,320	1,390	1,710	1,750	1,580	1,540	1,490	1,380	***	***	1,310	1,430
10	1,320	1,420	1,700	1,730	1,600	1,540	1,570	1,360	***	***	1,310	1,430
11	1,330	1,440	1,700	1,720	1,590	1,550	1,530	1,340	***	***	1,300	1,360
12	1,340	1,450	1,700	1,700	1,600	1,540	1,500	1,370	***	***	1,300	1,340
13	1,320	1,460	1,700	1,660	1,620	1,540	1,430	1,360	***	1,330	1,290	1,300
14	1,320	1,500	1,710	1,670	1,600	1,540	1,400	1,360	***	1,330	1,290	1,300
15	1,310	1,530	1,710	1,660	1,580	1,530	1,440	1,360	***	1,330	1,290	1,320
16	1,320	1,680	1,700	1,650	1,580	1,540	1,430	1,340	***	1,330	1,290	1,330
17	1,330	1,660	1,700	1,640	1,580	1,540	1,430	1,340	***	1,320	1,280	1,300
18	1,330	1,630	1,700	1,650	1,580	1,530	1,430	1,350	***	1,320	1,280	1,310
19	1,320	1,620	1,700	1,640	1,580	1,540	1,400	1,360	***	1,320	1,280	1,330
20	1,320	1,600	1,710	1,640	1,570	1,550	1,420	1,340	***	1,320	1,280	1,330
21	1,320	1,600	1,740	1,630	1,570	1,530	1,420	1,350	***	1,320	1,280	1,320
22	1,310	1,610	1,980	1,640	1,560	1,530	1,400	1,360	***	1,320	1,280	1,320
23	1,320	1,640	1,980	1,630	1,550	1,560	1,400	1,350	***	1,320	1,280	1,310
24	1,320	1,670	1,840	1,630	1,560	1,570	1,400	1,330	***	1,320	1,270	1,310
25	1,320	1,660	1,800	1,620	1,560	1,570	1,410	1,320	***	1,320	1,270	1,300
26	1,320	1,660	1,790	1,590	1,560	1,660	1,400	1,310	***	1,310	1,270	1,310
27	1,320	1,680	1,740	1,570	1,560	1,660	1,400	1,330	***	1,310	1,260	1,310
28	1,330	1,680	1,720	1,590	1,550	1,620	1,400	1,320	***	1,310	1,260	1,310
29	1,340	1,690	1,730	1,580	---	1,610	1,390	1,310	***	1,310	1,270	1,310
30	1,340	1,700	1,710	1,580	---	1,600	1,380	1,330	***	1,300	1,280	1,310
31	1,370	---	1,700	1,580	---	1,560	---	1,330	---	1,290	1,290	---
MEAN	1,320	1,540	1,730	1,720	1,580	1,560	1,460	1,350	---	---	1,290	1,340
MAX	1,370	1,700	1,980	2,430	1,620	1,660	1,570	1,380	---	---	1,310	1,430
MIN	1,290	1,370	1,690	1,570	1,550	1,520	1,380	1,310	---	---	1,260	1,300

**Table 8.** Daily mean specific conductance, Meadow Valley Wash near Rox (09418700)--Continued

Daily mean specific conductance (microsiemens), Water Year October 1989 to September 1990												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,320	1,350	1,600	1,540	1,600	1,510	1,450	1,380	1,430	***	1,180	1,250
2	1,320	1,370	1,600	1,540	1,600	1,500	1,440	1,390	1,410	***	1,180	1,250
3	1,320	1,380	1,600	1,560	1,590	1,510	1,440	1,390	1,370	***	1,180	1,250
4	1,320	1,400	1,590	1,530	1,580	1,500	1,440	1,390	1,360	***	1,180	1,250
5	1,310	1,450	1,610	1,530	1,590	1,500	1,440	1,380	1,350	***	1,180	1,240
6	1,320	1,480	1,610	1,540	1,580	1,490	1,440	1,370	***	***	1,170	1,230
7	1,320	1,500	1,610	1,540	1,580	1,480	1,430	1,370	***	***	1,180	1,230
8	1,320	1,530	1,600	1,550	1,580	1,480	1,430	1,370	***	***	1,170	1,120
9	1,310	1,530	1,600	1,550	1,570	1,480	1,420	1,360	***	***	1,180	1,220
10	1,310	1,540	1,610	1,540	1,560	1,480	1,410	1,360	***	1,270	1,180	1,220
11	1,310	1,550	1,600	1,550	1,550	1,480	1,400	1,360	2,120	1,340	1,190	1,210
12	1,310	1,560	1,590	1,550	1,570	1,480	1,400	1,360	1,760	1,440	1,190	1,200
13	1,310	1,570	1,590	1,550	1,570	1,470	1,400	1,360	1,520	1,450	1,200	1,190
14	1,310	1,600	1,590	1,560	1,550	1,460	1,540	1,350	1,370	1,410	1,200	1,190
15	1,310	1,590	1,590	1,580	1,530	1,460	1,440	1,350	1,260	1,370	1,220	1,190
16	1,310	1,590	1,590	1,570	1,530	1,460	1,390	1,350	***	1,340	1,130	1,180
17	1,310	1,600	1,600	2,570	1,530	1,460	1,380	1,340	***	1,360	1,420	1,180
18	1,310	1,600	1,590	5,680	1,530	1,470	1,390	1,330	***	1,380	1,420	1,180
19	1,310	1,580	1,580	2,750	1,640	1,470	1,390	1,330	***	1,300	1,380	1,180
20	1,310	1,600	1,590	2,090	1,590	1,460	1,380	1,330	***	1,280	1,380	1,180
21	1,310	1,620	1,580	1,840	1,570	1,460	1,590	1,330	***	1,270	1,350	1,180
22	1,320	1,620	1,580	1,760	1,550	2,380	1,520	1,330	***	1,260	1,330	1,180
23	1,320	1,620	1,580	1,730	1,530	1,530	1,460	1,330	***	1,250	1,310	1,120
24	1,320	1,620	1,570	1,680	1,530	1,470	1,810	1,330	***	1,240	1,290	925
25	1,330	1,610	1,560	1,670	1,520	1,460	1,740	1,330	***	1,210	1,280	1,400
26	1,330	1,650	1,550	1,640	1,520	1,450	1,540	1,330	***	1,220	1,270	1,710
27	1,330	1,640	1,560	1,630	1,520	1,460	1,460	1,330	***	1,210	1,270	1,680
28	1,330	1,610	1,550	1,610	1,510	1,840	1,410	1,330	***	1,210	1,260	1,580
29	1,340	1,610	1,550	1,600	---	1,480	1,390	1,390	***	1,200	1,260	1,490
30	1,330	1,610	1,540	1,600	---	1,570	1,370	1,500	***	1,200	1,260	1,420
31	1,330	---	1,540	1,610	---	1,460	---	1,410	---	1,200	1,260	---
MEAN	1,320	1,550	1,580	1,810	1,560	1,520	1,460	1,360	---	---	1,250	1,260
MAX	1,340	1,650	1,610	5,680	1,640	2,380	1,810	1,500	---	---	1,420	1,710
MIN	1,310	1,350	1,540	1,530	1,510	1,450	1,370	1,330	---	---	1,130	925

**Table 8.** Daily mean specific conductance, Meadow Valley Wash near Rox (09418700)--Continued

Daily mean specific conductance (microsiemens), Water Year October 1990 to September 1991												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,370	1,310	1,800	***	***	3,940	1,680	1,470	1,780	1,340	1,310	1,320
2	1,350	1,330	1,800	***	***	2,780	1,680	1,480	1,990	1,350	1,310	1,300
3	1,340	1,340	1,800	***	***	2,060	1,650	1,470	1,600	1,350	1,310	1,300
4	1,330	1,360	1,790	***	***	1,880	1,650	1,490	1,540	1,350	1,310	1,290
5	1,330	1,370	1,810	***	***	1,820	1,640	1,490	1,450	1,350	1,310	1,300
6	1,320	1,400	1,810	***	***	1,760	1,640	1,470	1,420	1,350	1,310	1,300
7	1,310	1,430	***	***	***	1,720	1,620	1,440	1,400	882	1,300	1,240
8	1,310	1,440	***	***	***	1,690	1,570	1,460	1,390	811	1,300	803
9	1,300	1,470	***	***	***	1,680	1,590	1,460	1,380	1,160	1,290	1,130
10	1,300	1,500	***	***	***	1,670	1,590	1,440	1,380	1,320	1,310	1,250
11	1,300	1,520	***	***	***	1,660	1,590	1,440	1,380	1,340	1,320	1,310
12	1,300	1,510	***	***	***	1,640	1,570	1,440	1,370	1,350	1,310	1,320
13	1,300	1,550	***	***	***	1,630	1,550	1,440	1,370	1,290	1,300	1,300
14	1,300	1,610	***	***	1,650	1,980	1,550	1,440	1,370	1,340	1,300	1,290
15	1,290	1,620	***	***	1,640	2,090	1,560	1,430	1,370	1,340	1,300	1,290
16	1,300	1,630	***	***	1,630	2,140	1,570	1,440	1,360	1,330	1,290	1,280
17	1,300	1,640	***	***	1,630	1,800	1,560	1,430	1,340	1,320	1,300	1,280
18	1,300	1,660	***	***	1,620	1,710	1,540	1,420	1,360	1,320	1,300	1,280
19	1,300	1,660	1,800	***	1,600	1,690	1,520	1,400	1,350	1,320	1,300	1,280
20	1,300	1,700	1,810	***	1,600	1,940	1,540	1,410	1,360	1,320	1,300	1,270
21	1,300	1,730	1,780	***	1,600	2,140	1,530	1,400	1,350	1,310	1,300	1,280
22	1,300	1,710	1,750	***	1,630	1,930	1,520	1,400	1,350	1,320	1,300	1,280
23	1,290	1,710	1,710	***	1,630	1,830	1,530	1,400	1,350	1,320	1,300	1,280
24	1,300	1,750	1,660	***	1,620	1,790	1,510	1,360	1,350	1,310	1,300	1,280
25	1,300	1,750	1,670	***	1,610	1,750	1,510	1,380	1,350	1,310	1,310	1,270
26	1,300	1,770	1,670	***	1,600	1,730	1,510	1,400	1,350	1,310	1,310	1,270
27	1,300	1,820	1,710	***	1,600	1,750	1,500	1,390	1,340	1,310	1,300	1,270
28	1,300	1,770	1,730	***	2,150	1,900	1,480	1,380	1,340	1,310	1,310	1,270
29	1,290	1,760	1,710	***	---	1,740	1,480	1,380	1,350	1,300	1,300	1,270
30	1,290	1,790	***	***	---	1,710	1,490	1,390	1,350	1,310	1,290	1,270
31	1,300	---	***	***	---	1,660	---	1,390	---	1,320	1,320	---
MEAN	1,310	1,590	---	---	---	1,910	1,560	1,430	1,410	1,290	1,300	1,260
MAX	1,370	1,820	---	---	---	3,940	1,680	1,490	1,990	1,350	1,320	1,320
MIN	1,290	1,310	---	---	---	1,630	1,480	1,360	1,340	811	1,290	803

**Table 9.** Daily mean specific conductance, Las Vegas Wash above detention basin near North Las Vegas (09419648)

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

EXTREMES FOR PERIOD OF DAILY RECORD.--Maximum recorded, 225 microsiemens, August 15, 1990; minimum recorded, 128 microsiemens, September 23, 1990.

ABBREVIATIONS.--°C, degrees Celsius; MAX, maximum; microsiemens, microsiemens per centimeter at 25 degrees Celsius; MIN, minimum; ---, no flow; \*\*\*, flow occurred, but conductance not determined.

Daily mean specific conductance (microsiemens), Water Year October 1988 to September 1989												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

**Table 9.** Daily mean specific conductance, Las Vegas Wash above detention basin near North Las Vegas (09419648)--Continued

Daily mean specific conductance (microsiemens), Water Year October 1989 to September 1990												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	***	191	---
16	---	---	---	---	---	---	---	---	---	***	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	132
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

**Table 9.** Daily mean specific conductance, Las Vegas Wash above detention basin near North Las Vegas (09419648)--Continued

Daily mean specific conductance (microsiemens), Water Year October 1990 to September 1991												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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	---	---	---	---	---	---	---	---	---	***	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

**Table 10.** Miscellaneous measurements, Pahranaagat Wash near Moapa (09415850)

(Abbreviations: deg C, degrees Celsius; e, estimated; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; μS/cm, microsiemens per centimeter at 25 degrees Celsius)

Date	Time	Streamflow, instantaneous (ft <sup>3</sup> /s)	Specific conductance (μS/cm)	Dissolved solids, residue at 180 deg C (mg/L)
August 16, 1990	1100	45	184	102
August 13, 1991	1345	e80	230	161

**Table 11.** Miscellaneous measurements, Muddy River near Moapa (09416000)

(Abbreviations: deg C, degrees Celsius; e, estimated; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; μS/cm, microsiemens per centimeter at 25 degrees Celsius; --, data not available)

Date	Time	Streamflow, instantaneous (ft <sup>3</sup> /s)	Specific conductance (μS/cm)	Dissolved solids, residue at 180 deg C (mg/L)
July 06, 1989	1430	33	985	596
August 15, 1989	1100	33	1,000	578
September 20, 1989	1130	31	1,000	604
October 25, 1989	1230	27	1,000	609
November 22, 1989	1330	35	1,020	621
December 28, 1989	1230	33	996	---
February 06, 1990	1330	30	1,000	649
March 22, 1990	1030	39	1,010	652
April 19, 1990	1545	35	993	628
May 30, 1990	1615	35	1,010	611
July 11, 1990	1300	32	988	624
August 17, 1990	1300	31	1,180	732
October 02, 1990	1630	23	1,010	637
November 15, 1990	1130	34	1,030	638
December 19, 1990	1230	38	1,030	630
February 01, 1991	1330	34	1,000	624
March 14, 1991	1500	37	1,050	690
May 13, 1991	1315	41	1,030	624
June 24, 1991	1530	33	950	632
August 14, 1991	1230	e34	970	623



**Table 12.** Miscellaneous measurements, Meadow Valley Wash near Rox (09418700)

(Abbreviations: deg C, degrees Celsius; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter;  $\mu$ S/cm, microsiemens per centimeter at 25 degrees Celsius; --, data not available)

Date	Time	Streamflow, instantaneous (ft <sup>3</sup> /s)	Specific conductance ( $\mu$ S/cm)	Dissolved solids, residue at 180 deg C (mg/L)
October 12, 1988	1330	0.53	1,330	888
November 17, 1988	1400	1.0	1,660	1,150
December 13, 1988	1200	1.2	1,710	1,170
January 05, 1989	1600	1.4	2,450	1,740
February 07, 1989	1200	1.3	1,580	1,090
March 23, 1989	1330	1.7	1,570	1,050
May 31, 1989	1400	1.0	1,330	913
July 12, 1989	1100	.78	1,280	907
August 08, 1989	1200	.37	1,300	849
September 21, 1989	1215	.47	1,320	787
October 12, 1989	1100	.73	1,320	851
November 21, 1989	1130	1.0	1,640	1,140
December 27, 1989	1100	2.6	1,560	--
January 17, 1990	1500	4.1	2,370	1,730
February 05, 1990	1230	1.7	1,580	1,090
March 16, 1990	1530	1.9	1,460	1,040
April 18, 1990	1200	1.6	1,390	962
May 30, 1990	1115	.89	1,510	1,000
July 09, 1990	1430	.97	1,160	792
August 15, 1990	1400	.51	1,300	869
August 16, 1990	1330	.78	1,260	820
September 24, 1990	1415	1.1	890	623
October 02, 1990	1000	.55	1,360	912
November 14, 1990	1030	1.0	1,600	1,130
December 18, 1990	1015	1.2	1,820	1,220
January 30, 1991	1045	1.4	1,690	1,130
February 27, 1991	1230	1.5	1,590	1,110
February 28, 1991	1030	2.5	1,660	1,160
March 01, 1991	1500	2.8	3,210	2,330
March 14, 1991	1100	3.1	1,680	1,180
May 13, 1991	1100	1.8	1,450	993
June 25, 1991	1415	.60	1,350	916
August 13, 1991	1100	.58	1,310	892

**Table 13.** Miscellaneous measurements, Las Vegas Wash above detention basin near North Las Vegas (09419648)

(Abbreviations: ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; μS/cm, microsiemens per centimeter at 25 degrees Celsius; deg C, degrees Celsius; e, estimated; --, data not available)

Date	Time	Streamflow, instantaneous (ft <sup>3</sup> /s)	Specific conductance (μS/cm)	Dissolved solids, residue at 180 deg C (mg/L)
August 11, 1989	1515	e0.01	280	166
March 01, 1991	0800	--	165	106
March 27, 1991	0900	e.02	87	56
August 01, 1991	1030	e.20	218	140

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