

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SURFACE WATER AND CLIMATOLOGIC DATA, SALT LAKE
COUNTY, UTAH, WATER YEAR 1981, WITH SELECTED
DATA FOR WATER YEARS 1980 AND 1982

By H. F. McCormack, R. C. Christensen, D. W. Stephens, G. E. Pyper,
J. F. Weigel, and L. S. Conroy

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CONVERSION FACTORS AND RELATED INFORMATION

Most values in this report are given in inch-pound units. For those readers who prefer to use International System of Units (SI), the conversion factors for the terms used in this report are listed below.

<u>Multiply</u>	<u>By</u>	<u>To obtain</u>
Acre-foot (acre-ft)	0.001233	Cubic hectometer (hm ³)
Cubic foot per second (ft ³ /s)	0.02832	Cubic meter per second (m ³ /s)
Foot (ft)	0.3048	Meter (m)
Inch (in.)	25.40	Millimeter (mm)
Mile (mi)	1.609	Kilometer (km)
Square mile (mi ²)	2.590	Square kilometer (km ²)
Ton (short)	0.9072	Metric ton

Chemical concentration and water temperature are given in metric units. Chemical concentration is given in milligrams per liter (mg/L) or micrograms per liter (ug/L). Milligrams per liter is a unit expressing the concentration of chemical constituents in solution as weight (milligrams) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter. For concentrations less than 7,000 milligrams per liter, the numerical value is about the same as for concentrations in parts per million.

Dustfall concentration is given in milligrams per kilogram (mg/kg) or micrograms per kilogram (ug/kg). These terms express concentration on a weight per weight basis and are numerically equivalent to parts per million and parts per billion, respectively.

Water temperature is given in degrees Celsius (°C), which can be converted to degrees Fahrenheit (°F) by the following equation:
 $^{\circ}\text{F} = 1.8(^{\circ}\text{C}) + 32$.

Altitudes or datum in this report are referenced to the National Geodetic Vertical Datum of 1929 (NGVD of 1929). The NGVD of 1929 is a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called mean sea level.

The time of day shown in this report is by the 24-hour military time system. In the military time system, the time of day usually is given by a four-digit number. The first two digits represent the hour of the day (00 to 24) beginning and ending at midnight, and the second two digits represent the minute of the hour (00 to 59). By this system 2400 is midnight, 2359 is one minute before midnight, and 0001 is one minute after midnight; 1030 is 10:30 A.M., 1200 is noon, and 1330 is 1:30 A.M. To show more accurate time, two digits may be added to show the seconds (00 to 59) in the minute of the hour (for example 133010).

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INTRODUCTION

This report contains precipitation, atmospheric-deposition, water-discharge and water-quality data collected in Salt Lake County as part of two investigations by the U.S. Geological Survey. The purpose of this report is to release data collected mainly during the 1981 water year. Selected data collected during the 1980 water year not previously published or revised and the 1982 water year also are included in this report.

The first investigation, which was carried out from September 1979 to August 1982, was an urban-runoff study done in cooperation with the Salt Lake County Division of Flood Control and Water Quality. The objectives of the urban-runoff study were to identify the impact of urban runoff on the quantity and quality of the water in the canals east of the Jordan River and on the major tributaries to the river.

The second investigation, which was carried out from December 1979 to September 1983, is a study of water-quality problems in the Jordan River. The study was done primarily to provide information about toxic substances, dissolved-oxygen depletion, sanitary quality, and turbidity and suspended sediment in the Jordan River. It also was funded in part by the Salt Lake County Division of Flood Control and Water Quality.

Several Salt Lake County employees assisted in the collection of water-quality samples from storm runoff. Of those employees, Lee R. Armstrong, Gilbert H. Heal, Steven J. Mitckes, and Ben Santistevan worked on a daily basis with the authors and made a significant contribution in the collection of the data contained in this report. Organizations that furnished data are acknowledged in the station descriptions in tables 1 and 4.

Information for previously published water-discharge, water-quality, atmospheric-deposition, and precipitation data for Salt Lake County are reported by Pyper and others (1981); Dustin (1977); Hely and others (1971) and references that they cited; and Feth and others (1964). Additional water-discharge and water-quality data, published annually by the U.S. Geological Survey, and climatologic data, published monthly by the National Oceanic and Atmospheric Administration, are available for Salt Lake County. (See for example, U.S. Geological Survey, 1982 and National Oceanic and Atmospheric Administration, 1982.)

DATA-SITE NUMBERING SYSTEMS

Climatologic stations listed in this report have been assigned numbers preceded by the letter "P." The sites are identified on plate 1 and in tables 1, 2, and 3 by precipitation symbol and site number. Precipitation gages and atmospheric-deposition collectors operated at the same site are assigned the same number.

All but five surface-water stations listed in this report have been assigned eight-digit numbers according to the U.S. Geological Survey's nationwide system of numbering streamflow stations. The numbers are assigned by major river basin and in downstream order. Thus, the first two digits of each eight-digit station number indicate the major river basin in which the station is located and the last six digits indicate the relative downstream order of that station in the basin.

The other five surface-water stations have been assigned 15-digit numbers based on the grid system of latitude and longitude. The system provides the geographic location and a unique number for the site. The 15-digit number consists of the first 6 digits denoting the degrees, minutes, and seconds north latitude, the next 7 digits denoting degrees, minutes, and seconds west longitude, and the last 2 digits are a sequential number within a 1-second grid. The complete 8- or 15-digit number for each streamflow and water-quality station, such as 10167149 or 404432111550201, is used as a site-identification number on plate 1 and in tables 4, 5, and 6. Streamflow and water-quality stations operated at the same site are assigned the same number.

CLIMATOLOGIC DATA

Climatologic data listed in tables 1, 2, and 3 consist of records for daily precipitation, selected storm rainfall, and atmospheric deposition.

Daily Precipitation Records

Records of daily precipitation listed in table 1 were collected at 22 sites, of which 16 contained recording gages and 6 contained nonrecording gages. These data were collected according to National Weather Service standards.

Selected Storm-Rainfall Records

Records of storm rainfall at continuous-record sites were computed at 5- or 15-minute intervals for selected storms. The data for those storms are listed in table 2, which gives the depth of rainfall in inches that occurred during the indicated time interval.

Atmospheric-Deposition Records

Atmospheric deposition, as dustfall and wet deposition, was monitored at six sites to determine the magnitude of atmospheric deposition on water-quality constituents found in storm runoff. Aerochem-Metrics¹ model 301 wet-dry collectors were utilized at all sites. Dustfall was monitored as monthly accumulation with samples being collected generally on the first Tuesday of each month. Wet deposition was monitored by individual storm with samples collected and processed immediately following the storm. The data are listed in table 3.

SURFACE-WATER DATA

The surface-water data listed in tables 4, 5 and 6 consist of water-discharge and water-quality data from continuous record sites, selected storm-runoff data from continuous-record sites, and miscellaneous data from nonrecording sites. Methods of collection and analysis of surface-water data and terms used in the tables are described by the U.S. Geological Survey (1982, p. 15-35).

Water-Discharge Records

Water-discharge records are given in table 4 for 48 continuous-record sites that comprise a complex system of natural streams, canals, and storm conduits as shown on plate 1. Miscellaneous discharge measurements and the locations at which they were made are given in table 6.

Water-Quality Records

Water samples for analysis were collected during base flow prior to storm runoff, and during selected storms; samples of streamflow also were collected monthly at all Jordan River sites. Water-quality data are listed in table 4 for 33 streamflow sites. A double date in table 4 indicates a composite sample initiated at the time given with the completion time given in the column titled "ending time." Miscellaneous water-quality data and the locations at which the data were collected are given in table 6.

Selected Storm-Runoff Records

Records of storm runoff at continuous-record sites were computed at 5- or 15-minute intervals for selected storms. The data for those storms are listed in table 5, which gives the storm runoff in cubic feet per second that occurred at the indicated time.

¹The use of brand names in this report is for identification only and does not constitute endorsement by the U.S. Geological Survey.

REFERENCES CITED

- Dustin, J. D., 1977, Trace metals in Wasatch Front snow and their effect on water quality: Master of Science Thesis, Department of Civil Engineering, Brigham Young University, Provo, Utah, 79 p.
- Feth, J. M., Rogers, S. M., and Roberson, C. E., 1964, Chemical composition of snow in the northern Sierra Nevadas and other areas: U.S. Geological Survey Water Supply Paper 1535-J, 39 p.
- Hely, Allen G., Mower, R. W., and Harr, C. Albert, 1971, Water resources of Salt Lake County, Utah: Utah Department of Natural Resources Technical Publication 31, 244 p., 5 pl.
- National Oceanic and Atmospheric Administration, 1981, Climatological data--Utah, daily and monthly data: Asheville, North Carolina, National Climatic Center. (A monthly publication.)
- Pyper, G. E., Christensen, R. C., Stephens, D. W., McCormack, H. F., and Conroy, L. S., 1981, Surface-water and climatologic data. Salt Lake County, Utah, water year 1980: U.S. Geological Survey Open-File Report 81-1111, 167 p., 1 pl. (Also duplicated as Utah Hydrologic-Data Report 36.)
- U.S. Geological Survey, 1982, Water resources data for Utah, water year 1981: U.S. Geological Survey Water-Data Report UT-81-1. (An annual publication.)

TABLE 1.--DAILY PRECIPITATION DATA

P-1 SALT LAKE CITY, WSO, AP

LOCATION.--Lat 40°46'36", long 111°57'28", in SE¼SE¼NW¼ sec.33, T.1 N., R.1 W., Salt Lake County.

PERIOD OF RECORD.--October 1979 to September 1981.

GAGE.--Precipitation-recording gage. Altitude of gage is 4,222 ft (1,287 m) from records furnished by the National Oceanic and Atmospheric Administration.

COOPERATION.--Records were furnished by the National Oceanic and Atmospheric Administration.

REMARKS.--Dash (-), no precipitation recorded; T, trace, an amount too small to measure.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	—	—	0.04	T	T	T	—	—	—	T	—	—
2	—	—	—	T	—	0.03	0.11	0.07	0.33	0.11	—	—
3	—	—	—	T	—	.22	T	.52	.08	—	—	T
4	—	—	.13	0.10	—	—	.02	—	—	—	—	—
5	—	—	.12	T	—	—	—	.04	—	—	—	0.17
6	—	—	.01	—	T	—	—	.04	—	.04	—	.24
7	—	—	T	—	—	—	—	—	—	—	—	.01
8	—	0.02	—	T	—	—	—	.29	—	—	—	.02
9	—	—	—	—	T	—	—	—	—	.13	—	T
10	—	—	—	—	—	T	.03	.19	T	T	T	.03
11	—	T	—	—	T	—	.02	—	—	—	—	—
12	0.21	.47	—	T	0.08	—	—	—	.09	—	—	—
13	.03	—	T	T	—	T	—	—	.24	—	—	—
14	.03	T	T	T	T	—	—	—	.29	—	—	—
15	.46	—	T	T	—	—	.12	.76	—	—	—	—
16	.62	—	T	—	—	.16	—	.26	—	T	—	—
17	T	—	T	—	.08	T	—	.10	—	.02	—	—
18	—	—	T	—	—	—	.02	—	—	.02	—	—
19	—	—	T	T	—	T	.03	—	—	—	0.02	—
20	—	—	T	T	.07	.13	T	.17	—	—	T	—
21	—	—	.06	T	—	T	.04	.67	—	—	T	—
22	—	.06	T	T	—	—	—	—	T	—	—	—
23	—	.35	.01	—	—	—	—	—	—	—	T	—
24	—	.27	—	.02	—	T	—	T	—	T	.14	—
25	—	—	T	—	T	—	—	.03	T	.01	—	.01
26	.39	—	—	—	.51	.55	—	.10	—	T	—	—
27	T	—	—	T	.07	.50	.06	.40	—	—	—	—
28	—	—	—	T	—	.06	—	T	T	—	.01	—
29	—	—	T	.09	—	.33	—	—	—	—	.06	T
30	—	T	—	.23	—	.13	—	.04	T	—	—	—
31	—	—	T	.20	—	—	—	T	—	—	—	—
Total	1.74	1.17	.37	.64	.81	2.11	.45	3.68	1.03	.33	.23	.48

TABLE 1.--Continued

P-2 UNIVERSITY OF UTAH

LOCATION.--Lat 40°46'00", long 111°50'50", in SE¼NE¼NW¼ sec.4, T.1 S., R.1 E., Salt Lake County.

PERIOD OF RECORD.--October 1979 to September 1981.

GAGE.--Precipitation-nonrecording gage. Altitude of gage is 4,800 ft (1,463 m) from records furnished by the National Oceanic and Atmospheric Administration.

COOPERATION.--Records were furnished by the National Oceanic and Atmospheric Administration.

REMARKS.--Dash (—), no precipitation recorded; T, trace, an amount too small to measure.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	—	—	0.05	T	0.11	—	—	—	—	T	—	—
2	—	—	—	T	—	0.01	T	0.05	—	0.80	—	—
3	—	—	—	T	—	.38	0.15	.96	0.72	—	—	—
4	—	—	T	0.26	—	—	.03	—	—	—	—	—
5	—	—	.30	T	—	—	—	—	—	—	—	0.41
6	—	—	.02	—	—	—	—	.16	—	.14	—	.22
7	—	—	—	—	—	—	—	—	—	—	—	.02
8	—	0.02	—	—	—	—	—	.53	—	—	—	.01
9	—	—	—	—	—	—	—	—	—	T	—	T
10	—	—	—	T	.03	T	—	—	—	.04	0.08	—
11	—	—	—	—	T	—	.11	.66	—	—	—	—
12	—	1.06	—	—	.09	T	—	T	—	—	—	—
13	0.09	.03	—	T	—	—	—	—	.10	—	—	—
14	.07	.02	—	—	T	T	—	—	.51	—	—	—
15	.84	—	—	—	—	—	.22	.84	—	—	—	—
16	.92	—	—	—	—	.18	—	1.12	—	—	—	—
17	.06	—	—	—	.19	.12	—	.38	—	—	—	—
18	—	—	—	T	—	T	—	—	—	T	—	—
19	—	—	—	—	—	—	.10	—	—	—	T	—
20	—	—	T	T	.17	.32	—	.39	—	—	T	—
21	—	—	T	T	—	.01	.03	.75	—	—	.02	—
22	—	.13	.08	—	—	—	—	.05	—	—	—	—
23	—	.07	.04	T	—	—	—	—	T	—	—	—
24	—	.28	—	.07	—	.05	—	—	—	—	.19	—
25	—	—	.02	—	—	—	—	.01	—	.03	—	.03
26	.18	—	—	—	.41	.45	—	.14	—	T	—	—
27	.01	—	—	T	.54	.85	.08	.31	—	—	—	—
28	—	—	—	T	—	.11	—	.15	—	—	—	—
29	—	—	—	.03	—	—	—	—	—	—	.09	—
30	—	—	—	.21	—	.55	—	T	—	—	.02	T
31	—	—	—	.22	—	.01	—	.01	—	—	—	—
Total	2.17	1.61	.51	.79	1.54	3.04	.72	6.51	1.33	1.01	.40	.69

TABLE 1.--Continued

P-3 FOOTHILL POST OFFICE

LOCATION.--Lat 40°43'55", long 111°50'01", in NE¼NE¼SE¼ sec.16. T.1 S., R.1 E., Salt Lake County.

PERIOD OF RECORD.--October 1979 to September 1981.

GAGE.--Precipitation-nonrecording gage. Altitude of gage is 4,560 ft (1,390 m) from topographic map.

COOPERATION.--Records were furnished by Utah State Climatologist.

REMARKS.--Dash (—), no precipitation recorded; T, trace, an amount too small to measure.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	—	—	0.06	—	0.09	—	—	—	—	—	—	—
2	—	—	—	—	—	T	—	0.03	—	0.12	—	—
3	—	—	—	—	—	0.35	0.31	1.24	1.09	—	—	—
4	—	—	—	0.29	—	.01	—	—	—	—	—	—
5	—	—	.28	—	—	—	—	.02	—	—	—	0.48
6	—	—	—	—	—	—	—	.16	—	.10	—	.20
7	—	—	—	—	—	—	—	—	—	—	—	.01
8	—	0.01	—	—	—	—	—	.53	—	—	—	.02
9	—	—	—	—	—	—	—	—	—	.05	—	—
10	—	—	—	—	.03	—	—	—	—	.06	0.01	—
11	—	—	—	—	—	—	.36	.32	—	—	—	—
12	—	.98	—	—	.11	.01	—	—	—	—	—	—
13	0.17	.11	—	—	—	—	—	—	.05	—	—	—
14	.11	.03	—	—	—	.03	—	—	.53	—	—	—
15	.94	—	—	—	—	—	.25	1.08	—	—	—	—
16	.65	—	—	—	—	.23	—	.99	—	—	—	—
17	.05	—	—	—	.13	.14	—	.34	—	—	—	—
18	—	—	—	—	—	—	—	—	—	.05	—	—
19	—	—	—	—	—	—	.11	—	—	—	—	—
20	—	—	—	—	.14	.27	.02	.36	—	—	—	—
21	—	—	—	—	—	—	—	.72	—	—	.15	—
22	—	.14	.09	—	—	—	—	.08	—	—	—	—
23	—	.05	.07	—	—	—	—	—	—	—	—	—
24	—	1.51	—	.13	—	.08	—	—	—	.06	.10	—
25	—	—	.02	.02	—	—	—	—	—	—	—	.08
26	.22	—	—	—	.46	.58	—	.30	—	—	—	—
27	—	—	—	—	.45	.63	.07	.23	—	—	—	—
28	—	—	—	—	—	.10	—	.02	—	—	—	—
29	—	—	—	.05	—	—	—	—	—	—	.06	—
30	—	—	—	.47	—	.47	—	.01	—	—	.02	—
31	—	—	—	.73	—	.02	—	.07	—	—	—	—
Total	2.14	2.83	.52	1.69	1.41	2.92	1.12	6.50	1.67	.44	.34	.79

TABLE 1.--Continued

P-4 SALT LAKE CITY NO. 42 NEAR 3200 SOUTH AND 1900 EAST

LOCATION.--Lat 40°42'05", long 111°50'06", in SE¼NE¼SE¼ sec.28, T.1 S., R.1 E., Salt Lake County.

PERIOD OF RECORD.--October 1979 to March 1981 (discontinued).

GAGE.--Precipitation-nonrecording gage. Altitude of gage is 4,520 ft (1,378 m) from topographic map.

COOPERATION.--Records were furnished by Utah State Climatologist.

REMARKS.--Dash (—), no precipitation recorded; T, trace, an amount too small to measure.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	—	—	0.03	—	0.05	0.02						
2	—	—	—	—	—	—						
3	—	—	—	—	—	.37						
4	—	—	—	0.24	—	—						
5	—	—	.27	—	—	—						
6	—	—	.06	—	—	—						
7	—	—	—	—	—	—						
8	—	T	—	—	—	—						
9	—	—	—	—	—	—						
10	—	—	—	—	.50	.01						
11	—	—	—	—	T	—						
12	0.23	0.87	—	—	.02	—						
13	—	—	—	—	—	.02						
14	.21	.05	—	—	—	—						
15	.73	—	—	—	—	—						
16	.50	—	—	—	—	.23						
17	—	—	—	—	.06	.10						
18	—	—	—	—	—	—						
19	—	—	—	—	—	—						
20	—	—	—	—	.09	.27						
21	—	—	—	—	—	—						
22	—	.07	.08	—	—	—						
23	—	.09	.06	—	—	—						
24	—	1.30	—	.10	—	—						
25	—	—	.01	.01	—	—						
26	.25	—	—	—	.63	.51						
27	—	—	—	—	.21	.57						
28	—	—	—	T	—	.10						
29	—	—	—	—	—	—						
30	—	—	—	.45	—	.58						
31	—	—	—	.56	—	—						
Total	1.92	2.38	.51	1.36	1.56	2.78						

TABLE 1.--Continued

P-5 INTERSTATE 215 AT MILL CREEK

LOCATION.--Lat 40°41'39", long 111°47'43", in SE¼NE¼NE¼ sec.35, T.1 S., R.1 E., Salt Lake County.

PERIOD OF RECORD.--March 1980 to September 1981.

GAGE.--Precipitation-recording gage. Altitude of gage is 4,880 ft (1,487 m) from topographic map.

COOPERATION.--Records were furnished by Utah State Department of Transportation and Salt Lake County Division of Flood Control and Water Quality.

REMARKS.--Dash (—), no precipitation recorded.

REVISIONS.--Revised figures of daily precipitation for the water year 1980, superseding those published in the report for 1980 (Pyper and others, 1981, p. 8) are given here.

PRECIPITATION, IN INCHES, OCTOBER 1979 TO SEPTEMBER 1980

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							—	—		0.72	—	—
2							—	—		—	—	—
3							—	0.03		.26	—	—
4							—	—	—	—	—	—
5							0.03	—	—	—	—	—
6							—	.06	—	—	—	—
7							.17	.09	—	—	—	0.32
8							—	.06	—	—	—	—
9							—	.94	—	—	—	—
10							—	.14	—	—	—	—
11							—	.06	—	—	—	—
12							—	.20	—	—	—	—
13							—	.03	—	—	—	—
14							—	.14	—	—	—	—
15							—	—	—	—	—	—
16						0.06	—	—	—	—	—	—
17						—	—	—	—	—	—	—
18						—	—	—	—	—	—	—
19						—	—	—	—	—	0.26	—
20						—	—	—	—	—	—	—
21						.03	—	—	—	—	—	.06
22						.74	—	—	—	—	—	—
23						—	.29	—	—	—	—	—
24						.11	—	—	—	—	—	—
25						.46	—	—	—	—	.43	—
26						—	—	—	—	—	—	—
27						.20	—	—	—	—	—	—
28						.03	—	—	—	—	—	—
29						—	.18	—	—	.09	—	—
30						.17	.40	—	—	.11	—	—
31						.23	—	—	—	.03	—	—
Total						—	1.07	—	—	1.21	—	1.10

Note: No record May 15-June 3, Aug. 10-18.

TABLE 1.--Continued

P-5 INTERSTATE 215 AT MILL CREEK--Continued

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		—						—	—	—	—	—
2		—						0.11	0.26	0.20	—	—
3								.86	.34	—	—	—
4								—	—	—	—	—
5								.03	—	—	—	0.49
6								.17	—	—	—	.20
7	—							—	—	—	—	—
8	—							.69	—	—	—	—
9	—							—	—	.03	—	—
10	—							.31	—	—	0.06	—
11	—							.03	—	—	—	—
12	0.26							—	—	—	—	—
13	.08							.03	.09	—	—	—
14	.43							—	.54	—	—	—
15	.94							1.54	—	—	—	—
16	.51							.77	—	—	—	—
17	—							.26	—	—	—	—
18	—							—	—	.06	—	—
19	—							—	—	—	—	—
20	—						—	.31	—	—	—	—
21	—						—	.89	—	—	.09	—
22	—						—	.03	—	—	—	—
23	—						—	—	—	—	—	—
24	—						—	—	—	—	—	—
25	—						—	.11	—	—	—	—
26	.63						—	.17	—	—	—	—
27	—						.11	.14	—	—	—	—
28	—						—	—	—	—	—	—
29	—						—	—	—	—	—	—
30	—						—	—	—	—	—	—
31	—						—	—	—	—	—	—
Total	—						—	6.45	1.23	.29	.15	.69

Note: No record Oct. 1-6, Nov. 3 to April 19.

TABLE 1.--Continued

P-6 OLYMPUS COVE NEAR 4200 EAST AND 4400 SOUTH

LOCATION.--Lat 40°40'34", long 111°46'37", in SE¼SE¼NE¼ sec.1, T.2 S., R.1 E., Salt Lake County.

PERIOD OF RECORD.--October 1979 to September 1981.

GAGE.--Precipitation-nonrecording gage. Nonrecording gage prior to July 1980. Altitude of gage is 4,530 ft (1,686 m) from topographic map.

COOPERATION.--Records were furnished by Lloyd Magar.

REMARKS.--Dash (—), no precipitation recorded; T, trace, an amount too small to measure.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	—	—	0.16	—	0.12	T	—	—	0.01	—	—	—
2	—	—	T	—	—	0.03	T	0.08	.11	0.14	—	—
3	—	—	—	—	—	.42	0.88	1.06	.43	—	—	—
4	—	—	T	0.35	—	—	.03	—	.15	—	—	—
5	—	—	1.25	T	—	—	.08	T	.18	—	—	0.41
6	—	—	.03	—	T	.04	—	.23	.03	.07	—	.20
7	—	—	.04	—	—	—	—	—	—	—	—	—
8	—	T	T	—	—	T	—	.66	—	—	—	.04
9	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	.29	—	T	—	—	.02	0.09	—
11	—	—	—	—	T	.01	.19	.38	—	—	—	.01
12	—	0.71	—	—	—	T	—	T	—	—	—	—
13	0.24	.21	—	—	—	—	—	—	.36	—	—	—
14	.34	.10	—	—	—	.08	—	—	.48	—	—	—
15	1.27	—	—	—	—	—	.04	1.20	—	—	—	—
16	.58	—	—	—	—	.31	—	1.17	—	—	—	—
17	.04	—	—	—	—	.27	—	.31	—	—	—	—
18	—	—	—	.02	—	—	—	—	—	—	—	—
19	—	—	—	—	—	T	.15	—	—	—	—	—
20	—	—	—	—	—	.48	.01	.44	—	—	—	—
21	—	—	—	—	.20	.23	.06	.97	—	—	.03	—
22	—	.12	.14	—	—	—	—	.08	—	—	—	—
23	—	T	.04	—	—	T	—	—	—	—	—	—
24	—	1.58	—	.13	—	.11	—	T	—	—	—	—
25	—	—	T	T	—	—	—	.01	—	—	—	.03
26	.38	—	.01	—	.76	.66	—	.32	—	.04	—	—
27	.02	—	—	T	.62	.64	.12	.16	—	—	—	—
28	—	—	—	.06	—	.11	—	.06	—	—	—	—
29	—	—	—	.05	—	—	—	—	—	—	—	—
30	—	—	—	.95	—	.83	—	—	—	—	.03	—
31	—	—	—	.97	—	.02	—	.03	—	—	—	—
Total	2.87	2.72	1.67	2.53	1.99	4.24	1.56	7.16	1.77	.27	.15	.69

TABLE 1.--Continued

P-7 INTERSTATE 215 AT 1050 WEST

LOCATION.--Lat 40°38'13", long 111°54'40", in NE¼NE¼NW¼ sec.23, T.2 S., R.1 W., Salt Lake County.

PERIOD OF RECORD.--March 1980 to September 1981.

GAGE.--Precipitation-recording gage. Altitude of gage is 4,270 ft (1,301 m) from topographic map.

COOPERATION.--Records were furnished by Utah State Department of Transportation and Salt Lake County Division of Flood Control and Water Quality.

REMARKS.--Dash (—), no precipitation recorded.

REVISIONS: Revised figures of daily precipitation for the water year 1980, superseding those published in report for 1980 (Pyper and others, 1981, p. 10) are given here.

PRECIPITATION, IN INCHES, OCTOBER 1979 TO SEPTEMBER 1980

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							—	—			—	
2							—	—			—	
3							—	—			—	
4							—	—	—		—	
5							—	—	—		—	
6							0.06	—	—		—	0.29
7							.14	—	—		—	.34
8							—	—	—		—	—
9							—	0.60	—	—	—	—
10							—	.14	—	—	—	—
11							—	.17	—	—	—	—
12							—	—	—	—	—	—
13							—	—	—	—	—	—
14							—	—	—	—	—	—
15							—	—	—	—	—	—
16							—	—	—	—	—	—
17							—	—	—	—	—	—
18							—	—	—	—	—	—
19							—	—	—	—	0.29	—
20							—	—	—	—	—	—
21						0.60	—	—	—	—	—	—
22						—	—	—	—	—	—	—
23						—	.46	—	—	—	—	—
24						.34	—	—	—	—	—	—
25						.23	—	—	—	—	.40	—
26						—	—	—	—	—	—	—
27						.09	—	—	—	—	—	—
28						—	—	—	—	—	—	—
29						—	.29	—	—	—	—	—
30						—	.11	—	—	.06	—	—
31						—	—	—	—	—	—	—
Total						—	—	—	—	—	—	—

Note: No record April 8-22, May 13-June 3, June 10-24, June 26-July 8, July 21-23, Aug. 31-Sept. 5, Sept. 10-13.

TABLE 1.--Continued

P-7 INTERSTATE 215 AT 1050 WEST--Continued

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981												
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	—							—	—	—	—	—
2	—							—	0.31	—	—	—
3	—							0.74	.03	—	—	—
4	—							—	.03	—	—	—
5	—							.06	—	—	—	0.91
6	—							.09	—	0.06	—	.23
7	—							—	—	—	—	.06
8	—							.46	—	—	—	.29
9	—							—	—	.63	—	.03
10	—							.34	—	—	—	—
11	—							—	—	—	—	—
12	0.23							—	—	—	—	—
13	—							—	—	—	—	—
14	.06							—	.20	—	—	—
15	.51							1.69	—	—	—	—
16	.26							.31	—	—	—	—
17	—							.11	—	—	—	—
18	—							—	—	—	—	—
19	—							—	—	—	—	—
20	—						—	.31	—	—	—	—
21	—						—	.51	—	—	—	—
22	—						—	—	—	—	—	—
23	—						—	—	—	—	—	—
24	—						—	—	—	—	0.09	—
25	—						—	.26	—	—	—	—
26							—	.09	—	—	—	—
27							0.03	.26	—	—	—	—
28							—	—	—	—	—	—
29							—	—	—	—	—	—
30							—	.09	—	—	—	—
31								.06	—	—	—	—
Total	—						—	5.38	.57	.69	.09	1.52

Note: No record Oct. 26-Apr. 19.

TABLE 1.--Continued

P-8 COTTONWOOD WEIR

LOCATION.--Lat 40°37'08", long 111°46'58", in NE¼SW¼NW¼ sec.25, T.2 S., R.1 E., Salt Lake County.

PERIOD OF RECORD.--October 1979 to September 1981.

GAGE.--Precipitation-nonrecording gage. Altitude of gage is 4,960 ft (1,512 m) from records furnished by the National Oceanic and Atmospheric Administration.

COOPERATION.--Records were furnished by the National Oceanic and Atmospheric Administration.

REMARKS.--Dash (—), no precipitation recorded; T, trace, an amount too small to measure.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	—	—	0.08	—	0.10	—	—	—	—	—	—	—
2	—	—	—	—	—	T	—	0.08	—	0.19	—	—
3	—	—	—	—	—	0.23	0.83	1.00	0.78	—	—	0.05
4	—	—	—	0.32	—	—	.14	.02	—	—	—	—
5	—	—	.85	T	—	—	—	—	—	—	—	.58
6	—	—	T	—	T	—	—	.12	—	.09	—	—
7	—	—	.14	.02	—	.24	T	.03	—	—	—	.22
8	—	—	T	—	—	.02	—	.67	—	—	—	T
9	—	—	T	—	—	—	—	—	—	—	—	.21
10	—	—	T	—	.28	—	—	—	—	.06	T	.02
11	—	—	—	—	T	—	.03	.48	—	—	0.05	—
12	—	0.80	—	—	T	T	—	T	—	—	.04	—
13	0.31	.26	—	—	—	T	—	—	.35	—	—	—
14	.34	.10	—	—	—	.23	—	—	.35	—	—	—
15	.68	—	—	—	—	—	—	.80	—	—	—	—
16	.75	—	—	—	—	T	—	1.28	—	—	—	—
17	—	—	—	T	.12	.37	—	.21	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	.01	—	—
20	—	—	T	—	.22	.23	.13	.66	—	—	.05	—
21	—	—	—	—	—	—	.04	.50	—	—	.05	—
22	—	.07	—	—	—	—	T	—	—	—	—	—
23	—	—	.11	—	—	—	—	—	—	—	—	—
24	—	1.62	—	.08	—	.32	—	—	—	—	.14	.02
25	.01	T	—	T	—	—	—	T	—	—	—	.02
26	—	—	—	—	.42	.39	—	.34	—	T	—	—
27	.39	—	—	T	.63	.69	.22	.20	—	—	—	—
28	—	—	—	T	—	.18	—	.12	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	T	—
30	—	—	—	.29	—	1.17	—	—	—	—	—	—
31	—	—	—	.91	—	T	—	—	—	—	—	—
Total	2.48	2.85	1.18	1.62	1.77	4.07	1.39	—	1.48	.35	.33	—

TABLE 1.--Continued.

P-9 LITTLE COTTONWOOD WATER TREATMENT PLANT

LOCATION.--Lat 40°35'12", long 111°47'56", NW¼NE¼SW¼ sec.2, T.3 S., R.1 E. Salt Lake County.

PERIOD OF RECORD.--October 1979 to September 1981.

GAGE.--Precipitation-nonrecording gage. Altitude of gage is 5,020 ft (1,530 m) from topographic map.

COOPERATION.--Records were furnished by Metropolitan Water District.

REMARKS.--Dash (—), no precipitation recorded, T, trace, an amount too small to measure.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	—	—	—	—	—	—	—	0.01	—	—	—	—
2	—	—	—	—	—	0.02	0.60	.15	0.83	0.32	—	—
3	—	—	—	—	—	.01	.22	1.06	.08	—	—	—
4	—	—	—	—	—	—	.10	—	—	—	—	—
5	—	—	0.64	—	—	—	—	.11	—	—	—	0.75
6	—	—	—	—	—	.15	—	—	—	.10	—	.19
7	—	—	—	—	—	—	—	—	—	—	—	.04
8	—	—	—	—	—	—	—	.63	—	—	—	.10
10	—	—	—	—	.03	—	—	.10	—	.05	0.10	—
11	—	—	—	—	—	—	—	.35	—	—	—	—
12	0.29	0.20	—	—	—	—	—	—	.20	—	—	—
13	.13	.03	—	—	—	.06	—	—	.09	—	—	—
14	.57	—	—	—	—	—	—	—	.17	—	—	—
15	.77	—	—	—	—	—	—	1.11	—	—	—	—
16	.16	—	—	—	—	.39	—	1.10	—	—	—	—
17	—	—	—	0.04	.02	—	—	.21	—	—	—	—
18	—	—	—	—	—	—	.03	—	—	.02	—	—
19	—	—	—	—	—	—	.04	—	—	—	.07	—
20	—	—	—	—	—	—	—	.53	—	—	—	—
21	—	—	.02	—	—	—	T	.45	—	—	.03	—
22	—	.03	—	—	—	—	—	.01	—	—	—	—
23	—	.34	—	—	—	—	—	—	—	—	0.8	—
24	—	1.09	—	.10	—	—	—	—	—	—	.12	—
25	.09	—	—	—	—	—	—	.23	—	—	—	—
26	—	—	—	—	.12	.90	.04	.18	—	.05	—	—
27	—	—	—	—	.02	.43	—	.45	.03	—	—	—
28	—	—	—	—	—	.40	—	.03	—	—	—	—
29	—	—	—	—	—	.45	—	—	—	—	—	—
30	—	—	—	T	—	.40	—	.10	—	—	—	—
31	—	—	—	.93	—	—	—	.73	—	—	—	—
Total	2.01	1.69	.66	1.07	.27	3.21	1.03	7.54	1.40	.64	.40	1.10

TABLE 1.--Continued

P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS

LOCATION.--Lat 40°46'32", long 111°55'10" in NE¼NE¼SW¼ sec.35, T.1 N., R.1 W., Salt Lake County.

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Precipitation-recording gage. Altitude of gage is 4,223 ft (1,287 m) from topographic map.

REMARKS.--Dash (—), no precipitation recorded.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	—	—	0.07	—	0.03	—	—	—	—	—	—	—
2	—	—	—	—	.02	—	0.16	0.08	0.33	0.06	—	—
3	—	—	—	—	—	0.27	.02	.70	.08	—	—	—
4	—	—	.16	0.21	—	—	.02	—	—	—	—	—
5	—	—	.15	—	—	—	—	—	—	—	—	0.33
6	—	—	—	—	—	—	—	.09	—	.08	—	.23
7	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	.38	—	—	—	—
9	—	—	—	—	—	—	—	—	—	.13	—	—
10	—	—	—	—	—	—	.02	.24	—	—	0.25	—
11	—	—	—	—	—	—	.04	.02	—	—	—	—
12	0.22	0.67	—	—	.07	—	—	—	—	—	—	—
13	.11	—	—	—	—	—	—	—	.09	—	—	—
14	.02	—	—	—	—	—	—	—	.46	—	—	—
15	.65	—	—	—	—	—	.29	.90	—	—	—	—
16	.74	—	—	—	—	.18	—	.43	—	—	—	—
17	—	—	—	—	.10	—	—	.15	—	—	—	—
18	—	—	—	—	—	—	.02	—	—	—	—	—
19	—	—	—	—	—	—	.04	—	—	—	—	—
20	—	—	—	—	.10	.14	—	.11	—	—	.09	—
21	—	—	.06	—	—	—	.03	.70	—	—	—	—
22	—	.09	—	—	—	—	—	—	—	—	—	—
23	—	.34	.02	—	—	—	—	—	—	—	—	—
24	—	.52	—	.06	—	—	—	—	—	—	.15	—
25	—	.04	—	—	—	—	—	.05	—	.02	—	—
26	.42	—	—	—	.65	.65	—	.09	—	—	—	—
27	—	—	—	—	.12	.65	.08	.52	—	—	—	—
28	—	—	—	—	—	—	—	.04	—	—	—	—
29	—	—	—	.08	—	.23	—	—	—	—	.03	—
30	—	.01	—	.27	—	.33	—	—	—	—	—	—
31	—	—	—	.38	—	—	—	—	—	—	—	—
Total	2.16	1.67	.46	—	—	2.45	.72	4.50	.96	.29	.52	.56

Note: No record Jan.12-14, Feb. 3-11.

TABLE 1.--Continued

P-11 SALT LAKE DOWNTOWN

LOCATION.--Lat 40°46'07", long 111°53'07", in NW¼NE¼NW¼ sec.6, T.1 S., R.1 E., Salt Lake County.

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Precipitation-recording gage. Altitude of gage is 4,320 ft (1,317 m).

COOPERATION.--Records were furnished by National Oceanic and Atmospheric Administration.

REMARKS.--Dash (—), no precipitation recorded; daily precipitation less than 0.10 inch not recorded. Daily totals are recorded in tenths of an inch.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	—	—	0.1	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	0.1	0.1	0.2	0.5	0.1	—	—
3	—	—	—	—	—	.3	—	.7	—	.1	—	—
4	—	—	.1	0.3	—	—	.1	—	—	—	—	—
5	—	—	.1	—	—	—	—	—	—	—	—	0.4
6	—	—	—	—	—	—	—	.1	—	.5	—	.2
7	—	—	—	—	—	—	—	.1	—	—	—	—
8	—	—	—	—	—	—	—	.5	—	—	—	—
9	—	—	—	—	0.1	—	—	—	—	—	—	.1
10	—	—	—	—	—	—	—	.3	—	—	—	—
11	—	—	—	—	—	—	.1	—	—	—	—	—
12	0.1	0.8	—	—	—	—	—	—	—	—	—	—
13	.1	—	—	—	—	—	—	—	.1	—	—	—
14	—	—	—	—	—	—	—	—	.4	—	—	—
15	.7	—	—	—	—	—	.2	.9	—	—	—	—
16	.8	—	—	—	—	.1	—	.6	—	—	—	—
17	—	—	—	—	.2	.1	—	.2	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	.1	—	—	—	—	—
20	—	—	—	—	.1	.1	—	.2	—	.1	0.1	—
21	—	—	.1	—	—	—	—	.7	—	—	—	—
22	—	.1	—	—	—	—	—	—	—	—	—	—
23	—	.4	—	—	—	—	—	—	—	—	—	—
24	—	.8	—	—	—	—	—	—	—	—	.3	—
25	—	—	—	—	—	—	—	—	—	—	—	—
26	.3	—	—	—	.7	.7	—	.1	—	—	—	—
27	—	—	—	—	.1	.8	.1	.4	—	—	—	—
28	—	—	—	—	—	.1	—	.1	—	—	—	—
29	—	—	—	.1	—	.3	—	—	—	—	—	—
30	—	—	—	.4	—	.1	—	—	—	—	—	—
31	—	—	—	.5	—	.2	—	—	—	—	—	—
Total	2.0	2.1	.4	1.3	1.2	2.9	.7	5.1	1.0	.8	.4	.7

TABLE 1.--Continued

P-12 FORT DOUGLAS

LOCATION.--Lat 40°46'00", long 111°49'38", in SW¼NE¼NW¼ sec.3, T.1 S., R.1 E., Salt Lake County.

PERIOD OF RECORD.--March to September 1981.

GAGE.--Precipitation-recording gage. Altitude of gage is 5,000 ft (1,524 m) from topographic map.

REMARKS.--Dash (—), no precipitation recorded.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							—	—	—	—	—	—
2							0.14	0.32	0.36	0.66	—	—
3							—	.94	.21	—	—	—
4							.01	—	—	—	—	—
5							—	—	—	—	—	0.46
6							—	.11	—	.04	—	.21
7							—	—	—	—	—	—
8							—	.53	—	—	—	.01
9						—	—	—	—	.02	—	—
10						—	.07	.64	—	—	—	—
11						—	.09	—	—	—	—	—
12						—	—	—	—	—	—	—
13						—	—	—	.13	—	—	—
14						—	—	—	.50	—	—	—
15						—	.33	.84	—	—	—	—
16						0.27	—	1.10	—	—	—	—
17						.01	—	.36	—	—	—	—
18						—	.02	—	—	—	—	—
19						—	.01	—	—	—	—	—
20						.31	—	.36	—	—	—	—
21						—	.01	.73	—	—	0.02	—
22						—	—	.05	—	—	—	—
23						—	—	—	—	—	—	—
24						.03	—	—	—	—	.20	—
25						—	—	—	—	.04	—	.03
26						.50	—	.11	—	—	—	—
27						.63	.05	.23	—	—	—	—
28						.07	—	.01	—	—	—	—
29						.29	—	—	—	—	.06	—
30						.11	—	—	—	—	—	—
31						—	—	—	—	—	—	—
Total						—	.73	6.33	1.20	.76	—	.71

Note: No record Aug. 7-13.

TABLE 1.--Continued

P-13 EIGHTH SOUTH CONDUITS AT JORDAN RIVER

LOCATION.--Lat 40°45'16", long 111°55'18", in NW¼NE¼NW¼ sec.11, T.1 S., R.1 W., Salt Lake County.

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Precipitation-recording gage. Altitude of gage is 4,224 ft (1,287 m) from topographic map.

REMARKS.--Dash (—), no precipitation recorded.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		—	0.05	—	—	—	—	—	—	—	—	—
2		—	—	—	—	—	0.12	0.45	—	0.01	—	—
3		—	—	—	—	0.23	—	.58	—	—	—	—
4		—	.16	0.16	—	—	—	—	—	—	—	—
5		—	.09	—	—	—	—	—	—	—	—	0.41
6		—	—	—	—	—	—	.09	—	.20	—	.15
7		—	—	—	—	—	—	—	—	—	—	.02
8		0.01	—	—	—	—	—	.39	—	—	—	.01
9		—	—	—	0.01	—	—	—	—	—	—	—
10		—	—	—	—	—	.04	.26	—	—	—	—
11		—	—	—	—	—	—	.01	—	—	—	—
12		.80	—	—	.04	—	—	—	—	—	—	—
13		—	—	—	—	.01	—	—	0.13	—	—	—
14		—	—	—	—	—	—	—	.33	—	—	—
15		—	—	—	—	—	.10	1.16	—	—	—	—
16		—	—	—	—	.16	—	.55	—	—	—	—
17		—	—	—	.12	—	—	.13	—	—	—	—
18		—	—	—	—	—	.01	—	—	—	—	—
19		—	—	—	—	—	.04	—	—	—	0.02	—
20	—	—	—	—	.02	.11	—	.19	—	—	.18	—
21	—	—	.07	—	—	—	.02	.67	—	—	—	—
22	—	.07	—	—	—	—	—	—	—	—	—	—
23	—	.35	.02	—	—	—	—	—	—	—	—	—
24	—	—	—	.02	—	.01	—	—	—	—	.22	—
25	—	.07	.01	—	—	—	—	.03	—	.03	—	—
26	.40	.04	—	—	.46	.54	—	.08	—	—	—	—
27	—	.02	—	—	.12	.72	.07	.60	—	—	—	—
28	—	.08	—	—	—	.08	—	.01	—	—	.01	—
29	—	.12	—	.08	—	.32	—	—	—	—	.12	—
30	—	—	—	.20	—	.16	—	.01	—	—	—	—
31	—	—	—	.28	—	—	—	—	—	—	—	—
Total	—	1.56	.40	.74	.77	2.34	.40	5.21	—	.24	.55	.59

Note: No record Oct. 1-19, June 1-2.

TABLE 1.--Continued

P-14 LIBERTY PARK

LOCATION.--Lat 40°44'42", long 111°52'30", in SW¼NE¼SE¼ sec.7, T.1 S., R.1 E., Salt Lake County.

PERIOD OF RECORD.--January to September 1981.

GAGE.--Precipitation-recording gage. Altitude of gage is 4,257 ft (1,298 m) from topographic map.

REMARKS.--Dash (—), no precipitation recorded.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					0.05	—	—	—	—	—	—	—
2					—	—	0.13	1.09	0.29	—	—	—
3					—	0.33	—	.80	.32	—	—	—
4					—	—	—	—	—	—	—	—
5					—	—	—	.04	—	—	—	0.47
6					—	—	—	.09	—	0.22	—	.18
7					—	—	—	.02	—	—	—	.05
8					—	—	—	.49	—	—	—	—
9					—	—	—	—	—	—	—	—
10					.04	—	—	.36	—	—	—	—
11					—	—	.08	—	—	—	—	—
12					.08	—	.03	—	—	—	—	—
13					—	—	—	—	.08	—	—	—
14					—	—	—	—	.34	—	—	—
15					—	.02	.18	1.18	—	—	—	—
16					—	.23	—	.52	—	—	—	—
17					.14	—	—	.13	—	—	—	—
18					—	—	.03	.02	—	—	—	—
19					—	—	.03	—	—	—	—	—
20					.09	.17	—	.29	—	—	—	—
21					—	—	.02	.67	—	—	—	—
22					—	—	—	—	—	—	—	—
23					—	—	—	—	—	—	—	—
24					—	.05	—	—	—	—	0.19	—
25					—	—	—	.05	—	.04	—	—
26					.58	.65	—	.07	—	.02	—	—
27					.16	.67	.08	.34	—	—	—	—
28					—	.08	—	.14	—	—	.12	—
29				0.22	—	.36	—	—	—	—	.01	—
30				.48	—	.16	—	.02	—	—	—	—
31				.46	—	—	—	—	—	—	—	—
Total				—	1.14	2.72	.58	6.32	1.03	.28	.32	.70

TABLE 1.--Continued

P-15 ADMINISTRATION BUILDING NEAR 1700 SOUTH AND REDWOOD ROAD

LOCATION.--Lat 40°43'56", long 111°56'24", in NE¼NE¼SW¼ sec.15, T.1 S., R.1 W., Salt Lake County.

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Precipitation-recording gage. Altitude of gage is 4,240 ft (1,292 m) from topographic map.

REMARKS.--Dash (—), no precipitation recorded.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	—	—	—	—	0.01	—	—	—	—	—	—	—
2	—	—	—	—	—	—	0.06	0.15	0.35	0.01	—	—
3	—	—	—	—	—	0.14	—	.58	.07	—	—	—
4	—	—	—	0.25	—	—	—	—	—	—	—	—
5	—	—	0.32	—	—	—	—	—	—	—	—	0.36
6	—	—	—	—	—	—	—	.02	—	.08	—	.18
7	—	—	—	—	—	—	—	—	—	—	—	.01
8	—	—	—	—	—	—	—	.49	—	—	—	.05
9	—	—	—	—	—	—	—	.03	—	—	—	—
10	—	—	—	—	—	—	.02	.30	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—
12	—	0.80	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	.09	—	—	—
14	0.01	—	—	—	—	—	—	—	.23	—	—	—
15	.47	—	—	—	—	—	.07	.73	—	—	—	—
16	.60	—	—	—	—	.15	—	.52	—	—	—	—
17	—	—	—	—	.10	—	—	.09	—	.06	—	—
18	—	—	—	—	—	—	.02	—	—	—	—	—
19	—	—	—	—	—	—	.02	—	—	—	0.04	—
20	—	—	—	—	—	.12	—	.18	—	—	.08	—
21	—	—	.15	—	—	—	.02	.56	—	—	—	—
22	—	—	.04	—	—	—	—	—	—	—	—	—
23	—	.38	—	—	—	—	—	—	—	—	—	—
24	—	.24	—	—	—	—	—	—	—	—	.15	—
25	—	—	—	—	—	—	—	.03	—	.03	—	—
26	.38	—	—	—	.37	.43	—	.06	—	—	—	—
27	—	—	—	—	.07	.56	.08	.47	—	—	—	—
28	—	—	—	—	—	.06	—	.04	—	—	—	—
29	—	—	—	.04	—	.27	—	—	—	—	.26	—
30	—	—	—	.35	—	.07	—	.03	—	—	—	—
31	—	—	—	.34	—	—	—	—	—	—	—	—
Total	1.46	1.42	.51	.98	—	1.80	.29	4.28	.74	.18	.53	.60

Note: No record Feb. 18-25.

TABLE 1.--Continued

**P-16 SUBURBAN SANITARY DISTRICT NO. 1 NEAR 700 WEST
AND 3100 SOUTH**

LOCATION.--Lat 40°42'16", long 111°54'42", in SE¼SE¼NE¼ sec.26, T.1 S., R.1 W., Salt Lake County.

PERIOD OF RECORD.--November 1980 to September 1981.

GAGE.--Precipitation-recording gage. Altitude of gage is 4,234 ft (1,289 m) from topographic map.

REMARKS.--Dash (—), no precipitation recorded.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			—	—	0.01	—	—	—	—	—	—	—
2			—	—	—	—	0.19	0.05	0.23	0.15	—	—
3			—	—	—	0.25	—	.65	.05	—	—	—
4			—	0.19	—	—	.02	—	—	—	—	—
5			—	—	—	—	—	.03	—	—	—	0.46
6			—	—	—	—	—	.04	—	.14	—	.18
7			—	—	—	—	—	—	—	—	—	.02
8			—	—	—	—	—	.40	—	—	—	.03
9			—	—	—	—	—	—	—	.02	—	—
10			—	—	.04	—	.02	.31	—	—	—	—
11			—	—	—	—	.05	—	—	—	0.03	—
12			—	—	.02	—	—	—	—	—	—	—
13		—	—	—	—	—	—	—	.11	—	—	—
14		—	—	—	—	—	—	—	.28	—	—	—
15		—	—	—	—	—	.09	1.23	—	—	—	—
16		—	—	—	—	.29	—	.52	—	—	—	—
17		—	—	—	.06	—	—	.11	—	—	—	—
18		—	—	—	—	—	.02	—	—	—	—	—
19		—	—	—	—	—	.05	—	—	—	—	—
20		—	—	—	.09	.14	—	.20	—	—	.02	—
21		0.02	—	—	—	—	—	.56	—	—	—	—
22		.03	0.10	—	—	—	—	—	—	—	—	—
23		.38	.01	—	—	—	—	—	—	—	—	—
24		—	—	.06	—	—	—	—	—	—	.10	—
25		—	—	—	—	—	—	.04	—	—	—	—
26		—	—	—	.47	.53	—	.05	—	—	—	—
27		—	—	—	.09	.64	1.09	.48	—	—	—	—
28		—	—	—	—	.10	—	.03	—	—	—	—
29		—	—	.10	—	.21	—	—	—	—	—	—
30		—	—	.27	—	.18	—	—	—	—	—	—
31		—	—	.34	—	—	—	—	—	—	—	—
Total		—	.11	.96	.78	2.34	1.53	4.70	.64	.31	.15	.69

TABLE 1.--Continued

P-17 MURRAY SEWAGE TREATMENT PLANT NEAR JORDAN RIVER AND 4500 SOUTH

LOCATION.--Lat 40°40'24", long 111°54'13", in NW¼NE¼SW¼ sec. 1, T.2 S., R.1 W., Salt Lake County.

PERIOD OF RECORD.--November 1980 to September 1981.

GAGE.--Precipitation-recording gage. Altitude of gage is 4,244 ft (1,294 m) from topographic map.

REMARKS.--Dash (—), no precipitation recorded.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0.05	—	0.04	—	—	—	—	—	—	—
2			—	—	—	—	0.20	0.05	0.24	0.07	—	—
3			—	—	—	0.22	.05	.75	.03	—	—	—
4			.08	0.20	—	—	—	—	—	—	—	—
5			.13	—	—	—	—	—	—	—	—	0.50
6			.09	—	—	—	—	.03	—	.18	—	.18
7			—	—	—	—	—	.02	—	—	—	.02
8			—	—	—	—	—	.41	—	—	—	.10
9			—	—	—	—	—	—	—	.15	—	—
10			—	—	—	—	.04	.29	—	—	—	—
11			—	—	.03	—	.13	.01	—	—	—	—
12			—	—	—	—	—	—	—	—	—	—
13		—	—	—	—	—	—	—	—	—	—	—
14		0.05	—	—	—	—	—	—	.25	—	—	—
15		—	—	—	—	—	.15	1.15	—	—	—	—
16		—	—	—	—	.37	—	.46	—	—	—	—
17		—	—	—	.04	—	—	.10	—	—	—	—
18		—	—	—	—	—	—	—	—	—	—	—
19		—	—	—	—	—	.07	—	—	—	—	—
20		—	—	—	.08	.15	—	.20	—	—	—	—
21		—	—	—	—	—	—	.45	—	—	0.04	—
22		.08	.07	—	—	—	—	—	—	—	—	—
23		.33	.02	—	—	—	—	—	—	—	—	—
24		.02	—	.03	—	.02	—	—	—	—	.10	—
25		—	—	—	—	—	—	.04	—	—	—	—
26		—	—	—	.46	.50	—	.07	—	—	—	—
27		—	—	—	.08	.52	.07	.23	—	—	—	—
28		—	—	—	—	.11	—	—	—	—	—	—
29		—	—	.08	—	.20	—	—	—	—	—	—
30		—	—	.21	—	.25	—	—	—	—	—	—
31		—	—	.28	—	—	—	.03	—	—	—	—
Total		—	.44	.80	.73	2.34	.71	4.29	.52	.40	.14	.80

TABLE 1.--Continued

P-18 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK

LOCATION.--Lat 40°39'55", long 111°50'22", in SE¼NW¼NE¼ sec. 9, T.2 S., R.1 E., Salt Lake County.

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Precipitation-recording gage. Altitude of gage is 4,345 ft (1,324 m) from topographic map.

REMARKS.--Dash (—), no precipitation recorded.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		—	0.05	—	—	0.01	—	—	—	—	—	—
2		—	—	—	—	—	0.30	0.05	0.32	0.43	—	—
3		—	—	—	—	.33	.03	.73	.24	—	—	—
4		—	.10	0.21	—	—	.02	—	—	—	—	—
5		—	.11	—	—	—	—	.03	—	—	—	0.46
6		—	.04	—	—	—	—	.16	—	.12	—	.18
7		—	.01	—	—	—	.01	—	—	—	—	.01
8		—	—	—	—	—	—	.58	—	—	—	.04
9		—	—	—	0.04	—	—	—	—	.07	—	—
10		—	—	—	.02	—	.10	.28	—	.01	—	—
11		—	.01	—	—	—	.13	.04	—	—	—	—
12		0.76	—	—	—	—	—	—	.02	—	0.01	—
13		.01	—	—	—	.03	—	—	.08	—	—	—
14		—	—	—	—	—	—	—	.35	—	—	—
15		—	—	—	—	—	.04	1.15	—	.01	—	—
16	0.48	—	—	—	—	.30	—	.64	—	—	—	—
17	.01	—	—	—	.02	—	—	.11	—	.02	—	—
18	—	—	—	—	—	—	.02	—	—	.03	—	—
19	—	—	—	—	—	—	.03	—	—	—	—	—
20	—	—	—	—	.06	.20	—	.26	—	—	—	—
21	—	—	.06	—	—	—	.01	.38	—	—	—	—
22	—	.06	.01	—	—	—	—	—	—	—	.04	—
23	—	.16	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	.03	—	—	—	—	—	—
25	—	—	—	—	—	—	—	.10	—	—	—	.01
26	.25	—	—	—	.67	.51	—	.12	—	—	—	—
27	—	—	—	—	.10	.42	.06	.07	—	—	—	—
28	—	—	—	.01	—	.06	—	.01	—	—	—	—
29	—	—	—	.06	—	.30	—	—	—	—	—	—
30	—	—	—	.21	—	.28	—	.04	—	—	.01	—
31	—	—	—	.57	—	—	—	—	—	—	—	—
Total	—	—	.39	1.06	.91	2.47	.75	4.75	1.01	.69	.06	.70

Note: No record Oct. 1-15, Nov. 24-30.

TABLE 1.--Continued

P-19 MURRAY PUMPING PLANT NEAR VINE STREET AND 900 EAST

LOCATION.--Lat 40°38'29", long 111°51'45", in NE¼SE¼SW¼ sec. 17, T.2 S., R.1 E., Salt Lake County.

PERIOD OF RECORD.--March to September 1981.

GAGE.--Precipitation-recording gage. Altitude of gage is 4,358 ft (1,328 m) from topographic map.

REMARKS.--Dash (—), no precipitation recorded.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							—	—	—	—	—	—
2							0.31	0.05	0.20	—	—	—
3							.05	.69	.18	0.04	—	—
4							.08	—	—	—	—	—
5							—	—	—	—	—	0.72
6							—	.15	—	.22	—	.15
7							—	—	—	—	—	.02
8							—	.44	—	—	—	.06
9							—	—	—	.05	—	—
10						—	—	.30	—	—	—	—
11						—	.09	—	—	—	—	—
12						—	—	—	—	—	—	—
13						0.05	—	—	.02	—	—	—
14						—	—	—	.30	—	—	—
15						—	.03	1.12	—	—	—	—
16						.24	—	.53	—	—	—	—
17						—	—	.11	—	—	—	—
18						—	.07	—	—	—	—	—
19						—	—	—	—	—	—	—
20						.22	—	.22	—	—	—	—
21						—	—	.32	—	—	—	—
22						—	—	—	—	0.03	—	—
23						—	—	—	—	—	—	—
24						.03	—	—	—	.14	—	—
25						—	—	.14	—	—	—	—
26						.50	—	.10	—	—	—	—
27						.40	.05	.07	—	—	—	—
28						.10	—	—	—	—	—	—
29						.31	—	—	—	—	—	—
30						.32	—	—	—	—	—	—
31						—	—	.09	—	—	—	—
Total						—	.67	4.33	.70	—	.17	.95

Note: No record July 10-30.

TABLE 1.--Continued

P-20 DIXIE VALLEY DETENTION BASIN OUTFALL NEAR 3600 WEST AND 6500 SOUTH

LOCATION.--Lat 40°37'58", long 111°58'35", in SW¼SW¼NE¼ sec.20, T.2 S., R.1 W., Salt Lake County.

PERIOD OF RECORD.--June to September 1981.

GAGE.--Precipitation-recording gage. Altitude of gage is 4,515 ft (1,376 m) from topographic map.

REMARKS.--Dash (—), no precipitation recorded.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1										—	—	—
2									0.14	0.10	—	—
3									.01	—	—	—
4									—	—	—	—
5									—	—	—	0.74
6									—	.02	—	.31
7									—	—	—	.04
8									—	—	—	.15
9									—	.20	—	—
10									—	—	—	—
11									—	—	—	—
12									.01	—	—	—
13									—	—	—	—
14									.13	—	—	—
15									—	—	—	—
16									—	—	—	—
17									—	—	—	—
18									—	—	—	—
19									—	—	0.02	—
20									—	—	—	—
21									—	—	.09	—
22									—	—	.02	—
23									—	—	—	—
24									—	—	.03	—
25									—	—	—	—
26									—	—	—	—
27									—	—	—	—
28									—	—	—	—
29									—	—	—	—
30									.03	—	—	—
31									—	—	—	—
Total									—	.32	.16	1.24

TABLE 1.--Continued

P-21 SANDY CITY NEAR 1300 EAST AND 8000 SOUTH

LOCATION.--Lat 40°36'02", long 111°51'06", in NW¼SW¼NW¼ sec.33, T.2 S., R.1 E., Salt Lake County.

PERIOD OF RECORD.--January to September 1981.

GAGE.--Precipitation-nonrecording gage. Altitude of gage is 4,635 ft (1,413 m) from topographic map.

COOPERATION.--Records furnished by Rex Hess.

REMARKS.--Dash (—), no precipitation recorded; T, trace, an amount too small to measure.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				—	0.09	—	—	—	—	—	—	—
2				—	.02	0.18	—	0.12	—	—	—	—
3				—	—	—	0.46	.74	0.56	0.08	—	—
4				—	—	—	.09	.06	—	—	—	—
5				0.22	—	—	.03	—	—	—	—	0.12
6				—	—	—	—	.08	—	—	—	.42
7				—	—	.03	.06	.07	—	.15	—	.18
8				—	—	—	—	.11	—	—	—	—
9				—	—	—	—	.33	—	—	—	.28
10				—	—	—	—	—	—	T	—	—
11				—	.03	—	.14	.31	—	.08	—	—
12				—	—	—	.02	—	—	—	—	—
13				—	.09	—	—	—	.05	—	T	—
14				—	—	.03	—	—	.24	—	—	—
15				—	—	—	.01	.21	.05	—	—	—
16				—	—	—	.02	1.33	—	—	—	—
17				—	.09	.23	—	.28	—	—	—	—
18				—	.08	—	—	—	—	T	—	—
19				—	—	—	.03	—	—	—	—	—
20				—	—	.16	.21	.11	—	.02	0.06	—
21				—	.17	.23	—	.75	—	—	.03	T
22				—	—	—	.04	.04	—	—	.04	—
23				—	—	—	—	—	—	—	—	—
24				.12	—	.03	—	—	—	—	.16	—
25				—	—	—	—	.01	—	—	—	.01
26				—	.24	.54	—	.28	—	T	—	T
27				—	.56	.35	.07	.33	T	.02	—	—
28				—	—	.16	—	.06	T	—	—	—
29				—	—	—	—	—	—	—	—	—
30				.03	—	.40	—	—	—	—	—	T
31				.33	—	.09	—	.47	—	—	—	—
Total				.70	1.37	2.43	1.18	5.69	.90	.35	.29	1.01

TABLE 1.--Continued

P-22 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH

LOCATION.--Lat 40°33'07", long 111°51'41", in SW¼SW¼SE¼ sec.17, T.3 S., R.1 E., Salt Lake County.

PERIOD OF RECORD.--March to September 1981.

GAGE.--Precipitation-recording gage. Altitude of gage is 4,597 ft (1,401 m) from topographic map.

REMARKS.--Dash (—), no precipitation recorded.

PRECIPITATION, IN INCHES, OCTOBER 1980 TO SEPTEMBER 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							—	—	—	—	—	—
2							0.49	0.14	0.21	0.09	—	—
3							.03	.67	.05	—	—	—
4							.11	—	—	—	—	—
5							—	—	—	—	—	1.00
6							—	.01	—	.03	—	.25
7							—	—	—	—	—	.06
8							—	.34	—	—	—	.02
9							—	—	—	—	—	.01
10							.02	.31	—	.11	—	—
11							—	.04	—	—	—	—
12							—	—	.12	—	—	—
13							—	—	.03	—	—	—
14							—	—	.12	—	—	—
15							.05	1.06	—	—	—	—
16							—	.63	—	—	—	—
17							—	.05	—	.01	—	—
18							—	—	—	—	—	—
19							.17	—	—	—	0.13	—
20						0.28	—	.35	—	—	—	—
21						—	.05	.48	—	—	.19	—
22						—	—	—	—	—	—	—
23						—	—	—	—	—	—	—
24						.01	—	—	—	—	.06	.11
25						—	—	.02	—	—	—	—
26						.25	—	.28	—	.10	—	—
27						.43	.06	.26	.01	—	—	—
28						.11	—	.01	—	—	—	—
29						.30	—	—	—	—	—	—
30						.27	—	.14	—	—	—	—
31						.07	—	.11	—	—	—	—
Total						—	.98	4.90	.54	.34	.38	1.45

TABLE 2.--SELECTED STORM-RAINFALL DATA AT CONTINUOUS-RECORD SITES

[See table 1 for location of sites. Depth of rainfall, in inches, that occurred during the indicated time interval. Zero values are not shown.]

P-5 INTERSTATE 215 AT MILL CREEK

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
JULY 1, 1980							
1430	0.03	1900	0.03	2000	0.03	2045	0.03
1830	0.03	1915	0.09	2015	0.09	2100	0.11
1845	0.06	1930	0.02	2030	0.17	2115	0.03
AUGUST 19, 1980							
0800	0.03	0845	0.05	1030	0.03	1545	0.03
0830	0.03	0945	0.06	1400	0.03		
AUGUST 25, 1980							
1315	0.03	1415	0.03	1500	0.08	1545	0.03
1330	0.03	1430	0.03	1515	0.03	1630	0.03
1400	0.08	1445	0.03	1530	0.03	2145	0.03
OCTOBER 14, 15, 16, 1980							
1215	0.03	0030	0.03	0630	0.03	0145	0.03
1330	0.03	0045	0.03	0800	0.03	0215	0.02
1345	0.03	0100	0.03	0845	0.03	0330	0.03
1645	0.05	0115	0.06	0945	0.03	0445	0.03
1700	0.03	0130	0.03	1115	0.03	0500	0.03
1715	0.03	0145	0.03	1145	0.03	0600	0.03
1730	0.03	0200	0.06	1300	0.02	0645	0.06
1745	0.03	0215	0.02	1345	0.03	0715	0.02
1800	0.03	0230	0.03	1430	0.03	0730	0.03
1815	0.02	0245	0.03	1530	0.03	0800	0.03
1830	0.03	0300	0.03	2330	0.03	0830	0.03
2315	0.03	0330	0.06	2345	0.03	0845	0.03
2345	0.03	0415	0.03	2400	0.02	0900	0.03
2400	0.03	0430	0.03			0930	0.03
		0500	0.02	0045	0.03	2130	0.02
0015	0.02	0530	0.03	0115	0.03		

TABLE 2.--Continued

P-5 INTERSTATE 215 AT MILL CREEK--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
OCTOBER 26, 1980							
1100	0.02	1215	0.02	1315	0.02	1430	0.01
1115	0.03	1230	0.02	1330	0.01	1445	0.01
1130	0.02	1245	0.03	1345	0.02	1500	0.01
1145	0.04	1300	0.01	1415	0.01	1530	0.01
1200	0.02						
APRIL 2-3, 1981							
1645	0.01	1930	0.01	2130	0.02	2330	0.01
1700	0.01	1945	0.01	2145	0.01	2345	0.01
1715	0.02	2000	0.01	2200	0.01	2400	0.01
1730	0.02	2015	0.01	2215	0.01		
1745	0.03	2030	0.02	2230	0.02	0015	0.01
1800	0.04	2045	0.02	2245	0.01	0030	0.02
1815	0.02	2100	0.01	2300	0.02	0130	0.01
1915	0.01	2115	0.01	2315	0.01	0300	0.01
MAY 2-3, 1981							
1545	0.02	0030	0.05	0230	0.06	0345	0.03
1730	0.03	0100	0.03	0245	0.09	0400	0.05
2345	0.03	0145	0.03	0300	0.11	0500	0.03
2400	0.03	0200	0.06	0315	0.09	0630	0.03
		0215	0.08	0330	0.03	0715	0.03
0015	0.06						
MAY 8, 1981							
0700	0.06	0830	0.03	1015	0.02	1200	0.09
0730	0.03	0845	0.03	1115	0.09	1215	0.03
0745	0.05	0915	0.03	1130	0.03	1345	0.03
0800	0.03	0945	0.03	1145	0.11		
MAY 10-11, 1981							
2230	0.03	2315	0.03	2345	0.06		
2300	0.03	2330	0.02	2400	0.14	0015	0.03
MAY 15-16, 1981							
0645	0.03	1400	0.06	2345	0.03	0515	0.03
0700	0.11	1415	0.03	2400	0.05	0600	0.03
0715	0.06	1430	0.05			0830	0.03

TABLE 2.--Continued

P-5 INTERSTATE 215 AT MILL CREEK--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MAY 15-16, 1981--CONTINUED							
0730	0.03	1445	0.06	0015	0.03	0900	0.03
0830	0.08	1500	0.06	0030	0.06	0930	0.02
1115	0.03	1515	0.03	0045	0.02	0945	0.03
1130	0.03	1545	0.02	0100	0.03	1015	0.03
1215	0.03	2215	0.03	0115	0.03	1045	0.06
1230	0.11	2230	0.06	0130	0.03	1100	0.03
1245	0.06	2245	0.09	0145	0.03	1130	0.03
1300	0.09	2300	0.05	0215	0.03	1745	0.03
1315	0.08	2315	0.03	0400	0.03	1830	0.02
1330	0.03	2330	0.06	0500	0.08	1915	0.03
1345	0.06						
MAY 17, 1981							
0145	0.03	0415	0.03	0515	0.03	0615	0.02
0230	0.03	0445	0.03	0600	0.03	1530	0.03
0330	0.03						
MAY 20, 1981							
0630	0.06	0730	0.03	1200	0.03	1245	0.03
0645	0.03	0915	0.03	1215	0.03	1345	0.02
0700	0.02	1130	0.03				
MAY 21, 1981							
0145	0.03	0500	0.02	0700	0.03	1500	0.02
0200	0.03	0515	0.06	0715	0.03	1600	0.03
0230	0.03	0530	0.06	0815	0.03	1700	0.03
0315	0.08	0545	0.06	1330	0.03	1830	0.03
0400	0.03	0600	0.02	1415	0.03	1845	0.03
0430	0.06	0630	0.03	1430	0.03	1900	0.03
0445	0.03						
JUNE 2, 1981							
2000	0.09	2030	0.06	2045	0.06	2100	0.03
2015	0.02						
JUNE 3, 1981							
0545	0.03	1045	0.03	1115	0.03	1145	0.03
1030	0.08	1100	0.12	1130	0.02		

TABLE 2.--Continued

P-5 INTERSTATE 215 AT MILL CREEK--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
JUNE 14, 1981							
0030	0.06	0230	0.03	0430	0.02	0845	0.03
0045	0.03	0245	0.03	0530	0.06	0900	0.05
0200	0.02	0300	0.03	0645	0.03	1130	0.03
0215	0.06	0315	0.03	0830	0.03		
SEPTEMBER 5, 1981							
0400	0.03	1130	0.02	1330	0.17	1400	0.06
0515	0.03	1315	0.06	1345	0.06	1700	0.03
0745	0.03						
SEPTEMBER 6, 1981							
0700	0.03	0900	0.05	1000	0.03	1030	0.03
0815	0.03	0930	0.03				

TABLE 2.--Continued

P-6 OLYMPUS COVE NEAR 4200 EAST AND 4400 SOUTH

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
OCTOBER 26, 1980							
1045	0.01	1200	0.05	1315	0.01	1500	0.01
1100	0.01	1215	0.04	1330	0.01	1530	0.01
1115	0.02	1230	0.02	1345	0.01	1600	0.03
1130	0.04	1245	0.02	1415	0.01	1730	0.03
1145	0.05	1300	0.01	1445	0.01		
MARCH 26, 1981							
1230	0.04	1430	0.01	1630	0.02	1845	0.01
1245	0.05	1445	0.03	1645	0.02	1900	0.01
1300	0.05	1500	0.03	1715	0.01	1930	0.01
1315	0.04	1515	0.01	1730	0.01	2030	0.01
1330	0.05	1530	0.03	1745	0.01	2045	0.01
1345	0.04	1545	0.02	1800	0.01	2115	0.01
1400	0.03	1600	0.03	1815	0.01	2200	0.01
1415	0.05	1615	0.02	1830	0.01	2215	0.01
MARCH 29-30, 1981							
1830	0.01	0015	0.02	0245	0.02	0900	0.03
1845	0.02	0030	0.02	0300	0.01	0915	0.03
2230	0.01	0045	0.04	0715	0.01	0930	0.04
2245	0.01	0100	0.04	0730	0.01	0945	0.03
2300	0.02	0115	0.01	0745	0.01	1000	0.03
2315	0.03	0130	0.02	0800	0.01	1015	0.02
2330	0.06	0145	0.02	0815	0.04	1030	0.04
2345	0.05	0200	0.02	0830	0.04	1045	0.03
2400	0.03	0215	0.02	0845	0.03	1100	0.02
APRIL 2-3, 1981							
1645	0.01	2000	0.01	2245	0.02	0115	0.01
1700	0.01	2015	0.01	2300	0.01	0130	0.02
1715	0.01	2030	0.05	2315	0.02	0145	0.01
1730	0.04	2045	0.01	2330	0.03	0200	0.01
1745	0.06	2100	0.02	2345	0.05	0215	0.01
1800	0.04	2115	0.04	2400	0.02	0330	0.01
1830	0.01	2130	0.03			0500	0.01
1845	0.01	2145	0.04	0015	0.05	0630	0.01
1915	0.01	2200	0.02	0030	0.03	1100	0.01
1930	0.01	2215	0.02	0045	0.01	1230	0.03
1945	0.02	2230	0.02	0100	0.01	2245	0.01

TABLE 2.--Continued

P-6 OLYMPUS COVE NEAR 4200 EAST AND 4400 SOUTH--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
APRIL 11, 1981							
1830	0.02	1915	0.01	2100	0.01	2130	0.02
1845	0.01	2030	0.01	2115	0.02	2215	0.01
1900	0.01	2045	0.01				
MAY 2-3, 1981							
1600	0.02	0130	0.01	0430	0.04	0730	0.01
1645	0.02	0200	0.02	0445	0.01	0945	0.03
1700	0.02	0215	0.07	0500	0.01	1015	0.01
1715	0.01	0230	0.07	0515	0.03	1315	0.01
2400	0.01	0245	0.04	0530	0.01	1330	0.01
		0300	0.04	0545	0.01	1345	0.02
0015	0.05	0315	0.10	0615	0.01	1415	0.01
0030	0.07	0330	0.05	0630	0.01	1430	0.01
0045	0.08	0345	0.05	0645	0.01	1600	0.01
0100	0.06	0400	0.02	0715	0.01	1615	0.01
0115	0.01	0415	0.06				
MAY 8, 1981							
0700	0.03	0830	0.01	1015	0.03	1145	0.06
0715	0.01	0900	0.01	1030	0.03	1200	0.01
0730	0.02	0915	0.03	1045	0.09	1245	0.01
0745	0.02	0930	0.03	1100	0.05	1400	0.01
0800	0.05	0945	0.05	1115	0.02	1545	0.01
0815	0.06	1000	0.05	1130	0.03	1600	0.01
MAY 10-11, 1981							
2300	0.03	2345	0.02	0015	0.09	0100	0.02
2315	0.03	2400	0.03	0030	0.06	0115	0.01
2330	0.03			0045	0.05		
MAY 15-16, 1981							
0715	0.07	1530	0.05	0230	0.01	0930	0.05
0730	0.15	1545	0.05	0245	0.02	0945	0.03
0745	0.08	1600	0.05	0300	0.02	1000	0.04
0830	0.02	1715	0.02	0315	0.01	1015	0.01
0845	0.01	1730	0.03	0400	0.01	1030	0.02
1015	0.03	2300	0.01	0415	0.01	1045	0.02
1130	0.03	2315	0.04	0430	0.01	1100	0.01

TABLE 2.--Continued

P-6 OLYMPUS COVE NEAR 4200 EAST AND 4400 SOUTH--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
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MAY 15-16, 1981--CONTINUED

1145	0.04	2330	0.07	0445	0.01	1115	0.02
1200	0.02	2345	0.05	0500	0.01	1130	0.03
1230	0.01	2400	0.04	0515	0.01	1145	0.02
1245	0.01			0530	0.01	1200	0.01
1300	0.08	0015	0.04	0545	0.01	1215	0.01
1315	0.02	0030	0.04	0600	0.01	1600	0.01
1330	0.13	0045	0.09	0615	0.01	1615	0.01
1345	0.07	0100	0.08	0645	0.01	1630	0.01
1400	0.05	0115	0.06	0815	0.01	1900	0.01
1415	0.03	0130	0.08	0830	0.01	1915	0.01
1430	0.02	0145	0.04	0845	0.01	1930	0.01
1445	0.03	0200	0.03	0900	0.02	2000	0.01
1500	0.02	0215	0.02	0915	0.02	2145	0.01
1515	0.08						

MAY 20-21, 1981

0600	0.01	1215	0.02	0300	0.01	0715	0.01
0615	0.02	1245	0.02	0315	0.02	0730	0.01
0630	0.03	1300	0.03	0330	0.02	0745	0.01
0645	0.03	1315	0.03	0345	0.01	1345	0.01
0700	0.02	1330	0.05	0400	0.05	1400	0.02
0715	0.01	1515	0.01	0415	0.05	1415	0.02
0730	0.01	2030	0.01	0430	0.05	1430	0.02
0745	0.01	2115	0.01	0445	0.05	1445	0.01
0800	0.01	2130	0.01	0500	0.10	1500	0.01
0900	0.01	2145	0.01	0515	0.08	1530	0.01
0930	0.01			0530	0.06	1630	0.03
1015	0.01	0130	0.02	0545	0.01	1645	0.04
1100	0.01	0145	0.03	0600	0.02	1700	0.01
1115	0.01	0200	0.04	0615	0.02	1815	0.01
1130	0.01	0215	0.01	0630	0.01	1830	0.02
1145	0.03	0230	0.02	0645	0.01	1845	0.04
1200	0.02	0245	0.02	0700	0.01		

MAY 25-26, 1981

1630	0.01			0715	0.01	1245	0.01
1645	0.05	0515	0.01	0730	0.01	1315	0.01
1700	0.04	0545	0.01	0745	0.02	1400	0.01
2100	0.01	0645	0.01	0800	0.03	1415	0.01
2200	0.01	0700	0.01	0815	0.01	1445	0.01

TABLE 2.--Continued

P-6 OLYMPUS COVE NEAR 4200 EAST AND 4400 SOUTH--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
JUNE 2-3, 1981							
1745	0.01	1945	0.01			1115	0.10
1800	0.01	2000	0.10	0715	0.01	1130	0.01
1815	0.01	2015	0.04	1030	0.04	1145	0.02
1830	0.01	2030	0.09	1045	0.04	1200	0.01
1900	0.02	2045	0.04	1100	0.03	1230	0.01
1930	0.04	2100	0.01				
JUNE 14, 1981							
0015	0.02	0145	0.02	0530	0.01	0730	0.01
0030	0.02	0200	0.01	0545	0.01	0745	0.02
0045	0.04	0230	0.01	0600	0.01	0800	0.05
0100	0.03	0245	0.01	0615	0.01	0815	0.03
0115	0.02	0445	0.02	0630	0.01	0830	0.01
0130	0.02	0500	0.01				
JULY 2, 1981							
0815	0.08	0830	0.06	1000	0.02		
JULY 6, 1981							
1445	0.02	1500	0.02	1515	0.03		
SEPTEMBER 5, 1981							
1115	0.01	1300	0.02	1345	0.08	1415	0.02
1130	0.01	1315	0.07	1400	0.02	1515	0.01
1145	0.02	1330	0.08				
SEPTEMBER 6, 1981							
0715	0.01	0815	0.02	0900	0.02	0945	0.01
0730	0.01	0830	0.03	0915	0.02	1000	0.01
0745	0.02	0845	0.02	0930	0.01	1015	0.01
0800	0.01						

TABLE 2.--Continued

P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
OCTOBER 12, 1980							
1830	0.01	1900	0.05	1915	0.04	1930	0.03
1845	0.09						
OCTOBER 13, 1980							
1615	0.01	1645	0.02	1945	0.03	2015	0.01
1630	0.01	1930	0.01	2000	0.01	2030	0.01
OCTOBER 15-16, 1980							
0045	0.01	0700	0.02	2400	0.01	0700	0.01
0100	0.01	0715	0.01			0715	0.01
0115	0.01	0745	0.01	0030	0.01	0745	0.01
0200	0.01	0800	0.01	0115	0.01	0830	0.01
0215	0.01	0815	0.01	0145	0.01	0915	0.02
0230	0.01	0845	0.01	0230	0.02	0930	0.01
0245	0.01	0900	0.01	0245	0.01	0945	0.01
0300	0.01	0930	0.01	0300	0.02	1000	0.02
0315	0.02	1045	0.01	0315	0.05	1015	0.03
0330	0.01	1130	0.01	0330	0.05	1030	0.03
0345	0.01	1445	0.01	0345	0.04	1100	0.01
0400	0.01	1500	0.02	0400	0.03	1115	0.02
0415	0.02	1515	0.01	0415	0.01	1130	0.02
0430	0.03	1530	0.01	0430	0.01	1145	0.01
0445	0.03	1600	0.01	0445	0.01	1200	0.01
0500	0.02	1615	0.01	0500	0.02	1215	0.02
0515	0.01	1645	0.01	0515	0.02	1230	0.02
0530	0.02	1715	0.01	0530	0.03	1245	0.01
0545	0.03	1730	0.01	0545	0.01	1400	0.01
0600	0.02	1745	0.02	0600	0.02	1445	0.01
0615	0.02	1800	0.02	0615	0.01	1500	0.02
0630	0.02	1815	0.01	0630	0.01	1515	0.01
0645	0.02	2345	0.01	0645	0.01		
OCTOBER 26, 1980							
0945	0.04	1100	0.02	1215	0.03	1345	0.01
1000	0.03	1115	0.03	1230	0.03	1400	0.01
1015	0.03	1130	0.04	1245	0.01	1415	0.01
1030	0.03	1145	0.03	1300	0.02	1545	0.01
1045	0.02	1200	0.03	1315	0.01		

TABLE 2.--Continued

P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
NOVEMBER 12, 1980							
0445	0.01	0815	0.03	1000	0.04	1130	0.05
0500	0.01	0830	0.07	1015	0.07	1145	0.01
0515	0.01	0845	0.06	1030	0.05	1200	0.01
0530	0.01	0900	0.02	1045	0.02	1445	0.01
0545	0.01	0915	0.01	1100	0.02	1900	0.01
0600	0.01	0930	0.01	1115	0.08	1945	0.01
0800	0.01	0945	0.02				
NOVEMBER 22, 1980							
0915	0.01	1000	0.01	1130	0.01	1200	0.01
0930	0.01	1030	0.01	1145	0.01	1230	0.01
0945	0.01						
NOVEMBER 23, 1980							
1700	0.01	1800	0.01	2215	0.05	2300	0.01
1715	0.01	2100	0.01	2230	0.07	2315	0.01
1730	0.01	2145	0.03	2245	0.05	2345	0.01
1745	0.01	2200	0.05				
DECEMBER 4-5, 1980							
2100	0.01	2245	0.01	0130	0.02	0545	0.01
2115	0.01	2300	0.01	0145	0.01	0630	0.01
2145	0.01	2315	0.02	0400	0.01	0645	0.01
2200	0.03	2330	0.02	0445	0.01	0715	0.01
2215	0.02			0515	0.01	0745	0.01
2230	0.02	0115	0.02	0530	0.01	0830	0.01
JANUARY 4, 1981							
0815	0.05	0915	0.01	1045	0.01	1145	0.01
0830	0.01	0930	0.01	1100	0.01	1200	0.01
0845	0.01	0945	0.01	1115	0.02	1300	0.01
0900	0.02	1000	0.01	1130	0.01		
JANUARY 29,30,31, 1981							
1945	0.01	0545	0.01	0330	0.01	0700	0.02
2015	0.02	0600	0.01	0345	0.01	0715	0.01
2030	0.01	0615	0.01	0400	0.01	0730	0.01
2045	0.01	0830	0.01	0430	0.01	0745	0.01

TABLE 2.--Continued

P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
JANUARY 29,30,31,1981--CONTINUED							
2100	0.01	0845	0.01	0445	0.01	0815	0.02
2330	0.01	0930	0.01	0500	0.02	0830	0.02
2400	0.01	1300	0.02	0515	0.01	0845	0.02
		1315	0.02	0530	0.02	0900	0.01
0415	0.01	1330	0.01	0545	0.01	0915	0.02
0430	0.01	1400	0.01	0600	0.02	0930	0.02
0445	0.04	1415	0.01	0615	0.02	0945	0.02
0500	0.03	1930	0.01	0630	0.01	1000	0.01
0515	0.01	1945	0.01	0645	0.02	1030	0.01
0530	0.02						
FEBRUARY 26-27, 1981							
0045	0.01	0530	0.02	1045	0.01	2330	0.01
0100	0.01	0545	0.01	1130	0.01	2345	0.01
0115	0.01	0600	0.01	1645	0.04		
0145	0.01	0615	0.01	1700	0.04	0015	0.01
0200	0.01	0630	0.01	1800	0.01	0030	0.03
0215	0.01	0700	0.01	1815	0.01	0130	0.01
0230	0.01	0745	0.01	1845	0.01	0145	0.01
0245	0.01	0800	0.01	2115	0.01	0300	0.01
0315	0.01	0815	0.02	2130	0.01	0315	0.01
0400	0.01	0830	0.01	2215	0.02	0515	0.01
0430	0.01	0845	0.01	2230	0.02	0530	0.01
0445	0.03	0900	0.01	2245	0.01	0615	0.01
0500	0.07	0945	0.01	2300	0.02	0700	0.01
0515	0.03	1030	0.01	2315	0.01		
MARCH 3, 1981							
0015	0.01	0300	0.01	0445	0.01	0615	0.01
0045	0.01	0315	0.01	0500	0.01	0630	0.01
0115	0.01	0330	0.01	0515	0.01	0645	0.01
0200	0.01	0345	0.01	0530	0.01	0715	0.01
0215	0.01	0400	0.02	0545	0.01	0815	0.01
0230	0.01	0415	0.01	0600	0.01	0845	0.01
0245	0.01	0430	0.01				
MARCH 16, 1981							
1530	0.02	1615	0.01	1715	0.01	2045	0.01
1545	0.03	1630	0.03	2015	0.02	2100	0.01
1600	0.02	1645	0.01	2030	0.01		

TABLE 2.--Continued

P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MARCH 20, 1981							
1415	0.02	1445	0.04	1530	0.01	1600	0.01
1430	0.03	1500	0.01	1545	0.01	1900	0.01
MARCH 26-27, 1981							
1115	0.03	1615	0.01	0115	0.01	0600	0.06
1130	0.04	1630	0.02	0130	0.02	0715	0.01
1145	0.03	1645	0.01	0145	0.03	0745	0.01
1200	0.01	1700	0.01	0200	0.02	0800	0.01
1215	0.02	1715	0.01	0215	0.01	0815	0.02
1230	0.03	1800	0.01	0230	0.01	0830	0.01
1245	0.04	1845	0.01	0245	0.02	0845	0.01
1300	0.03	1930	0.01	0300	0.04	0900	0.02
1315	0.02	2030	0.02	0315	0.02	0915	0.02
1330	0.03	2045	0.01	0330	0.02	0930	0.02
1345	0.03	2130	0.01	0345	0.01	1000	0.01
1400	0.04	2145	0.01	0400	0.02	1100	0.01
1415	0.04	2330	0.01	0415	0.02	1200	0.01
1430	0.03	2400	0.01	0430	0.02	1245	0.01
1500	0.01			0445	0.02	1315	0.01
1515	0.02	0030	0.02	0500	0.01	1330	0.02
1530	0.02	0045	0.02	0530	0.02	1430	0.01
1545	0.01	0100	0.01	0545	0.01	1445	0.01
1600	0.01						
MARCH 29-30, 1981							
1800	0.02	2215	0.01	0500	0.01	0915	0.01
1930	0.01	2300	0.01	0515	0.01	0930	0.01
2000	0.01	2315	0.01	0530	0.01	0945	0.01
2015	0.01	2330	0.01	0545	0.03	1000	0.01
2045	0.01	2400	0.02	0815	0.02	1015	0.01
2115	0.03			0830	0.02	1030	0.01
2130	0.03	0245	0.01	0845	0.10	1045	0.01
2145	0.02	0445	0.01	0900	0.03	1730	0.01
2200	0.03						

TABLE 2.--Continued

P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
APRIL 2-3, 1981							
1715	0.01	1945	0.01	2115	0.01	2315	0.01
1730	0.01	2000	0.01	2130	0.01		
1745	0.01	2030	0.01	2145	0.01	0530	0.01
1800	0.01	2045	0.01	2200	0.01	0600	0.01
1930	0.01	2100	0.01	2245	0.01		
APRIL 15, 1981							
1115	0.03	1200	0.02	1245	0.03	1330	0.01
1130	0.04	1215	0.02	1300	0.05	1345	0.01
1145	0.03	1230	0.03	1315	0.02		
MAY 2-3, 1981							
1600	0.01	0200	0.09	0400	0.02	0815	0.01
1615	0.02	0215	0.09	0500	0.01	0915	0.01
2400	0.05	0230	0.04	0515	0.01	0945	0.01
		0245	0.02	0530	0.02	1230	0.01
0015	0.07	0300	0.04	0545	0.01	1245	0.01
0115	0.01	0315	0.03	0600	0.01	1515	0.01
0130	0.05	0330	0.04	0615	0.01	1615	0.01
0145	0.04	0345	0.01	0700	0.01		
MAY 8, 1981							
0530	0.01	0700	0.01	0900	0.01	1000	0.06
0600	0.01	0715	0.04	0930	0.02	1015	0.05
0630	0.01	0830	0.04	0945	0.04	1030	0.02
0645	0.01	0845	0.05				
MAY 10, 1981							
2230	0.01	2300	0.03	2330	0.06	2400	0.03
2245	0.02	2315	0.04	2345	0.02		
MAY 15-16, 1981							
0630	0.01	1430	0.01	0030	0.04	0615	0.02
0645	0.04	1515	0.01	0045	0.03	0630	0.01
0700	0.07	2145	0.06	0100	0.01	0645	0.01
0715	0.04	2200	0.06	0115	0.02	0915	0.01
0830	0.01	2215	0.07	0130	0.01	0930	0.01

TABLE 2.--Continued

P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MAY 15-16, 1981--CONTINUED							
1100	0.01	2230	0.03	0400	0.01	1000	0.01
1115	0.01	2245	0.03	0415	0.01	1045	0.01
1130	0.17	2300	0.04	0430	0.02	1645	0.01
1200	0.01	2315	0.04	0445	0.01	1715	0.01
1245	0.01	2330	0.01	0500	0.01	1730	0.01
1300	0.03	2345	0.05	0515	0.01	1745	0.02
1315	0.02	2400	0.03	0530	0.01	1800	0.02
1330	0.01			0545	0.02	1815	0.01
1345	0.01	0015	0.04	0600	0.01	1830	0.01
1415	0.01						
MAY 17, 1981							
0200	0.01	0400	0.01	0515	0.01	0600	0.01
0215	0.01	0415	0.01	0530	0.02	0615	0.01
0230	0.01	0445	0.01	0545	0.01	0645	0.01
0300	0.01	0500	0.01				
MAY 20, 1981							
0630	0.01	0730	0.01	1230	0.01	1345	0.01
0645	0.02	1200	0.01	1300	0.01	1400	0.02
0700	0.01	1215	0.01	1330	0.01		
MAY 21, 1981							
0145	0.01	0515	0.05	1330	0.02	1545	0.01
0200	0.01	0530	0.03	1345	0.01	1600	0.01
0245	0.01	0545	0.04	1400	0.02	1615	0.01
0315	0.01	0600	0.06	1415	0.01	1630	0.03
0345	0.01	0615	0.03	1430	0.03	1645	0.03
0400	0.01	0630	0.01	1445	0.02	1745	0.01
0415	0.01	0645	0.02	1500	0.01	1800	0.01
0430	0.01	0715	0.01	1515	0.01	1815	0.01
0445	0.04	1315	0.02	1530	0.01	1915	0.01
0500	0.04						
MAY 27, 1981							
0330	0.01	0445	0.01	0715	0.06	0830	0.01
0345	0.01	0500	0.01	0730	0.11	0845	0.02
0400	0.05	0530	0.01	0745	0.06	0900	0.03
0415	0.02	0600	0.01	0800	0.01	0915	0.02
0430	0.03	0700	0.02	0815	0.01	0930	0.01

TABLE 2.--Continued

P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
JUNE 2-3, 1981							
1730	0.04	1915	0.01	2015	0.03	0600	0.01
1745	0.06	1930	0.03	2030	0.02	0615	0.02
1800	0.02	1945	0.07			0630	0.03
1815	0.01	2000	0.04	0545	0.01	0700	0.01
JUNE 13-14, 1981							
0615	0.01			0400	0.01	0630	0.01
0630	0.01	0015	0.01	0415	0.01	0730	0.01
0915	0.01	0030	0.09	0445	0.01	0745	0.01
1030	0.01	0045	0.07	0500	0.01	0800	0.03
2315	0.01	0100	0.04	0530	0.02	0815	0.01
2330	0.01	0115	0.04	0545	0.01	0830	0.01
2345	0.02	0130	0.02	0600	0.02	0900	0.01
2400	0.01	0145	0.01				
JULY 2, 1981							
0715	0.01	0745	0.01	0800	0.01	0815	0.02
0730	0.01						
JULY 6, 1981							
1515	0.08						
JULY 9, 1981							
1615	0.02	1700	0.01	1730	0.03	2030	0.01
1630	0.01	1715	0.01	1900	0.01	2045	0.01
1645	0.02						
AUGUST 10, 1981							
1500	0.01	1600	0.03	1645	0.02	1730	0.01
1515	0.03	1615	0.02	1700	0.02	1745	0.01
1530	0.04	1630	0.02	1715	0.01	1800	0.01
1545	0.02						
AUGUST 20, 1981							
0030	0.02	0045	0.04	0100	0.02	0115	0.01

TABLE 2.--Continued

P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
AUGUST 24, 1981							
0525	0.01	0555	0.01	0730	0.01	0805	0.01
0540	0.02	0605	0.01	0740	0.01	0815	0.01
0545	0.01	0620	0.01	0800	0.02	0820	0.01
0550	0.01						
SEPTEMBER 5, 1981							
0530	0.01	1255	0.05	1310	0.03	1325	0.04
0555	0.01	1300	0.06	1315	0.02	1340	0.01
0630	0.01	1305	0.03	1320	0.04	1355	0.01
1130	0.01						
SEPTEMBER 6, 1981							
0515	0.01	0615	0.01	0850	0.01	1020	0.01
0525	0.01	0625	0.01	0930	0.01	1025	0.01
0545	0.01	0630	0.01	0950	0.01	1045	0.01
0555	0.01	0635	0.01	1000	0.01	1105	0.01
0605	0.01	0650	0.01	1005	0.01	1500	0.01
0610	0.01	0830	0.01	1015	0.01		
OCTOBER 3, 1981							
0830	0.01	1000	0.01	1905	0.01	2305	0.01
0840	0.01	1005	0.01	1910	0.01	2310	0.02
0850	0.01	1010	0.01	2205	0.01	2315	0.03
0855	0.01	1020	0.01	2210	0.03	2320	0.01
0905	0.01	1025	0.01	2215	0.02	2325	0.01
0910	0.01	1035	0.01	2230	0.01	2330	0.01
0920	0.01	1040	0.01	2235	0.01	2335	0.01
0930	0.01	1050	0.01	2240	0.01	2340	0.02
0940	0.01	1135	0.01	2245	0.01	2345	0.02
0945	0.01	1205	0.01	2250	0.01	2350	0.02
0950	0.01	1220	0.01	2255	0.01	2355	0.02
0955	0.01	1900	0.01	2300	0.02	2400	0.01

TABLE 2.--Continued

P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
OCTOBER 4, 1981							
0005	0.01	0030	0.01	0120	0.01	1730	0.01
0010	0.01	0045	0.01	0200	0.01	1745	0.01
0015	0.01	0100	0.01	0400	0.01	1755	0.01
0020	0.01	0115	0.01	1510	0.01	1805	0.01
0025	0.01						
OCTOBER 7-8, 1981							
2400	0.01	0055	0.02	0155	0.01	0320	0.01
		0100	0.02	0200	0.02	0325	0.01
0005	0.01	0105	0.02	0205	0.02	0330	0.01
0010	0.01	0110	0.01	0210	0.02	0340	0.01
0015	0.01	0115	0.03	0215	0.01	0350	0.01
0020	0.01	0120	0.02	0225	0.01	0405	0.01
0025	0.02	0125	0.02	0235	0.01	0440	0.01
0030	0.01	0130	0.02	0245	0.01	0520	0.01
0035	0.03	0135	0.02	0250	0.04	0610	0.01
0040	0.02	0140	0.02	0255	0.02	0725	0.01
0045	0.04	0145	0.01	0305	0.01	0755	0.01
0050	0.03	0150	0.01	0310	0.02	0810	0.01
OCTOBER 10, 1981							
1055	0.01	1155	0.02	1625	0.06	1645	0.01
1115	0.01	1205	0.01	1630	0.09	1725	0.01
1135	0.01	1220	0.01	1635	0.05	1750	0.01
1145	0.01	1620	0.01	1640	0.04	2345	0.01
OCTOBER 11, 1981							
0015	0.01	0830	0.01	1140	0.02	1405	0.02
0255	0.01	1005	0.01	1145	0.03	1410	0.01
0755	0.01	1010	0.03	1150	0.02	1655	0.02
0820	0.02	1020	0.01	1155	0.01	1700	0.01
0825	0.05	1025	0.01	1350	0.05		

TABLE 2.--Continued

P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
OCTOBER 28-29, 1981							
2130	0.01	2250	0.01	2345	0.01	0035	0.02
2155	0.01	2255	0.02	2350	0.02	0040	0.01
2200	0.01	2300	0.01	2355	0.02	0050	0.01
2205	0.02	2305	0.01	2400	0.02	0120	0.01
2210	0.01	2310	0.02			0125	0.01
2215	0.01	2315	0.02	0005	0.02	0130	0.02
2220	0.01	2320	0.02	0010	0.02	0135	0.01
2225	0.01	2325	0.02	0015	0.02	0140	0.01
2230	0.02	2330	0.02	0020	0.02	0240	0.01
2235	0.02	2335	0.02	0025	0.01	0245	0.01
2240	0.01	2340	0.02	0030	0.02	0250	0.01
2245	0.01						
NOVEMBER 17-18, 1981							
1835	0.01	1930	0.01	2005	0.04		
1840	0.01	1935	0.01	2010	0.01	0020	0.02
1900	0.01	1940	0.01	2015	0.01	0025	0.01
1905	0.02	1945	0.02	2315	0.01	0045	0.01
1910	0.01	1950	0.02	2335	0.01	0100	0.01
1915	0.01	1955	0.04	2345	0.01	0105	0.01
1920	0.01	2000	0.02	2355	0.01	0110	0.01
1925	0.01						
NOVEMBER 24-25, 1981							
2230	0.01	2340	0.01	0010	0.01	1300	0.01
2250	0.01	2350	0.01	0015	0.01	1310	0.01
2305	0.01	2400	0.01	0025	0.01	1325	0.01
2320	0.01			0120	0.01	1340	0.01
2325	0.01	0005	0.01	1245	0.01	1400	0.01

TABLE 2.--Continued

P-11 SALT LAKE DOWNTOWN

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
JULY 1-2, 1980							
1745	0.10	1830	0.10	1945	0.10	0800	0.10
1800	0.30	1900	0.20				
AUGUST 19, 1980							
1200	0.10						
AUGUST 25, 1980							
1145	0.10						
OCTOBER 15-16, 1980							
0200	0.10	0830	0.10	0230	0.10	0815	0.10
0345	0.10	1230	0.10	0330	0.10	1015	0.10
0445	0.10	1745	0.10	0415	0.10	1130	0.10
0530	0.10			0545	0.10	1345	0.10
OCTOBER 26, 1980							
1130	0.10	1300	0.10	1515	0.10		
NOVEMBER 12, 1980							
0215	0.10	0915	0.10	1045	0.10	1145	0.10
0830	0.10	1015	0.10	1115	0.10	1300	0.10
NOVEMBER 23-24, 1980							
1845	0.10			0330	0.10	1000	0.10
2245	0.10	0115	0.10	0500	0.10	1200	0.10
2315	0.10	0245	0.10	0615	0.10	1245	0.10
2400	0.10						
JANUARY 29,30,31, 1981							
1730	0.10	0345	0.10			0545	0.10
		1115	0.10	0230	0.10	0700	0.10
0230	0.10	1600	0.10	0415	0.10	0845	0.10

TABLE 2.--Continued

P-11 SALT LAKE DOWNTOWN--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
FEBRUARY 26-27, 1981							
0130	0.10	0915	0.10	2015	0.10		
0400	0.10	1715	0.10	2145	0.10	0145	0.10
0515	0.10						
MARCH 2-3, 1981							
2100	0.10	0315	0.10	0515	0.10	0745	0.10
MARCH 26-27, 1981							
1145	0.10	1445	0.10	0030	0.10	0800	0.10
1230	0.10	1615	0.10	0230	0.10	0915	0.10
1315	0.10	1845	0.10	0400	0.10	1400	0.10
1345	0.10			0545	0.10	1615	0.10
MARCH 29-30, 1981							
1845	0.10	2230	0.10			2345	0.10
2145	0.10						
MAY 2-3, 1981							
2300	0.10	0030	0.10	0200	0.10	1030	0.10
2315	0.10	0100	0.10	0300	0.10	1115	0.10
		0130	0.10				
MAY 8, 1981							
0745	0.10	1000	0.10	1030	0.10	1145	0.10
0900	0.10						
MAY 10, 1981							
2330	0.10	2345	0.10	2400	0.10		
MAY 15, 16, 17, 1981							
0715	0.10	2200	0.10	0030	0.10	1815	0.10
0830	0.10	2215	0.10	0100	0.10		
1145	0.10	2300	0.10	0415	0.10	0300	0.10
1230	0.10	2400	0.10	0630	0.10	0645	0.10
1345	0.10			1100	0.10		

TABLE 2.--Continued

P-11 SALT LAKE DOWNTOWN--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MAY 20-21, 1981							
0715	0.10	0215	0.10	0615	0.10	1500	0.10
1245	0.10	0500	0.10	1330	0.10	1800	0.10
		0545	0.10				
MAY 27, 1981							
0445	0.10	0800	0.10	0815	0.10	0915	0.10
JUNE 2, 1981							
1745	0.10	1945	0.10	2000	0.10	2045	0.10
1800	0.10						
JUNE 13-14, 1981							
2400	0.10	0100	0.10	0630	0.10	0830	0.10
		0145	0.10				
JULY 6, 1981							
1530	0.30	1545	0.20				
AUGUST 24, 1981							
0800	0.10	0815	0.10	0900	0.10		
SEPTEMBER 5, 1981							
0500	0.10	1315	0.10	1330	0.10	1345	0.10
SEPTEMBER 6, 1981							
0615	0.10	1015	0.10				

TABLE 2.--CONTINUED

P-12 FORT DOUGLAS

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MARCH 26-27, 1981							
1100	0.01	1730	0.02	0300	0.03	0930	0.01
1130	0.01	1800	0.01	0345	0.03	0945	0.02
1145	0.01	1815	0.01	0415	0.01	1045	0.01
1200	0.01	1930	0.01	0430	0.02	1245	0.01
1215	0.01	1945	0.02	0500	0.02	1300	0.01
1300	0.03	2015	0.02	0515	0.01	1315	0.01
1330	0.04	2100	0.01	0545	0.03	1330	0.02
1415	0.07	2115	0.01	0615	0.02	1345	0.01
1430	0.02	2130	0.01	0630	0.01	1400	0.03
1445	0.01			0700	0.03	1415	0.02
1500	0.03	0030	0.01	0730	0.01	1500	0.01
1530	0.04	0100	0.02	0745	0.01	1530	0.01
1545	0.01	0130	0.02	0800	0.01	1545	0.01
1615	0.03	0145	0.02	0815	0.03	1600	0.01
1630	0.01	0215	0.01	0900	0.05	1615	0.01
1700	0.03	0230	0.01	0915	0.01	1715	0.01
1715	0.01						
MARCH 29-30, 1981							
1830	0.07	2215	0.02	2345	0.01	0700	0.01
1845	0.01	2230	0.03			0745	0.01
2130	0.01	2300	0.02	0015	0.04	0815	0.01
2145	0.04	2315	0.01	0045	0.01	1015	0.01
2200	0.05	2330	0.02	0615	0.01	1045	0.01
MAY 2-3, 1981							
1530	0.01	0015	0.17	0300	0.06	0630	0.01
1600	0.01	0030	0.01	0315	0.04	0900	0.01
1615	0.01	0100	0.01	0330	0.03	1000	0.01
1630	0.02	0145	0.07	0345	0.06	1145	0.05
2330	0.03	0200	0.08	0400	0.01	1200	0.01
2345	0.05	0215	0.08	0415	0.01	1230	0.02
2400	0.19	0230	0.08	0500	0.01	1245	0.01
		0245	0.08	0530	0.01	1300	0.01
MAY 8, 1981							
0645	0.03	0815	0.02	0930	0.03	1045	0.03
0700	0.02	0830	0.02	0945	0.02	1100	0.03
0715	0.03	0845	0.01	1000	0.03	1115	0.04
0730	0.02	0900	0.02	1015	0.02	1130	0.06

TABLE 2.--Continued

P-12 FORT DOUGLAS--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MAY 8, 1981--CONTINUED							
0745	0.03	0915	0.02	1030	0.02	1145	0.01
0800	0.02						
MAY 10, 1981							
2245	0.10	2315	0.11	2345	0.11	2400	0.11
2300	0.10	2330	0.11				
MAY 20, 1981							
0630	0.05	0900	0.01	1145	0.01	1300	0.02
0645	0.03	0915	0.01	1200	0.01	1315	0.02
0700	0.02	0930	0.01	1215	0.02	1330	0.02
0715	0.01	1015	0.01	1230	0.02	1345	0.02
0730	0.01	1100	0.01	1245	0.02	1400	0.01
0845	0.01	1130	0.01				
MAY 27, 1981							
0445	0.01	0530	0.02	0915	0.03	1000	0.01
0500	0.02	0845	0.01	0930	0.02	1015	0.02
0515	0.02	0900	0.02	0945	0.05		
JUNE 2, 1981							
1745	0.06	1815	0.03	1945	0.06	2015	0.04
1800	0.05	1830	0.01	2000	0.07	2030	0.04
JUNE 14, 1981							
0015	0.02	0215	0.01	0615	0.01	0800	0.04
0030	0.03	0415	0.02	0630	0.02	0815	0.01
0045	0.03	0430	0.01	0645	0.01	0830	0.02
0100	0.04	0445	0.01	0715	0.01	0845	0.03
0115	0.04	0545	0.01	0730	0.04	0900	0.01
0130	0.03	0600	0.01	0745	0.04		
SEPTEMBER 5, 1981							
0430	0.01	0545	0.01	1015	0.01	1345	0.07
0500	0.03	0600	0.01	1145	0.01	1400	0.02
0515	0.02	0615	0.01	1315	0.09	1415	0.01
0530	0.01	0630	0.02	1330	0.13		

TABLE 2.--Continued

P-13 EIGHTH SOUTH CONDUITS AT JORDAN RIVER

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
OCTOBER 26, 1980							
1040	0.02	1135	0.01	1245	0.01	1335	0.01
1045	0.01	1145	0.01	1250	0.01	1340	0.01
1050	0.01	1155	0.01	1255	0.01	1355	0.01
1055	0.01	1210	0.01	1300	0.01	1410	0.01
1100	0.01	1215	0.01	1305	0.01	1420	0.01
1105	0.01	1220	0.01	1310	0.01	1430	0.01
1110	0.01	1225	0.01	1315	0.01	1500	0.01
1115	0.01	1230	0.01	1320	0.01	1525	0.01
1120	0.01	1235	0.01	1325	0.01	1620	0.01
1130	0.01	1240	0.01	1330	0.01		
NOVEMBER 12, 1980							
0040	0.01	0820	0.01	1000	0.01	1110	0.01
0135	0.01	0825	0.02	1005	0.01	1115	0.02
0220	0.01	0830	0.01	1010	0.03	1120	0.03
0505	0.01	0835	0.03	1015	0.02	1125	0.03
0515	0.01	0840	0.04	1020	0.03	1130	0.03
0520	0.01	0845	0.02	1025	0.03	1135	0.02
0530	0.01	0850	0.02	1030	0.02	1140	0.01
0535	0.01	0855	0.01	1035	0.02	1150	0.01
0550	0.01	0900	0.01	1040	0.02	1155	0.01
0610	0.01	0910	0.01	1045	0.01	1215	0.01
0615	0.01	0940	0.01	1050	0.01	1440	0.01
0620	0.01	0945	0.01	1100	0.01	1525	0.01
0630	0.01	0950	0.01	1105	0.01	1830	0.01
0810	0.01	0955	0.01				
NOVEMBER 22, 1980							
0635	0.01	1155	0.01	1225	0.01	1315	0.01
1145	0.01	1210	0.01				
FEBRUARY 26, 27, 1981							
0040	0.01	0455	0.03	1030	0.01	2355	0.01
0055	0.01	0500	0.01	1040	0.01		
0105	0.01	0505	0.01	1100	0.01	0055	0.02
0140	0.01	0510	0.01	1740	0.01	0100	0.01
0200	0.01	0520	0.01	1755	0.01	0105	0.01
0210	0.01	0535	0.01	2045	0.01	0110	0.01
0220	0.01	0610	0.01	2125	0.01	0120	0.01

TABLE 2.--Continued

P-13 EIGHTH SOUTH CONDUITS AT JORDAN RIVER--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
FEBRUARY 26, 27, 1981--CONTINUED							
0235	0.01	0710	0.01	2155	0.01	0135	0.01
0245	0.01	0735	0.01	2215	0.01	0140	0.01
0400	0.01	0815	0.01	2245	0.01	0145	0.01
0430	0.01	0825	0.01	2255	0.01	0150	0.01
0440	0.01	0850	0.02	2305	0.01	0210	0.01
0445	0.01	1005	0.01	2345	0.01	0245	0.01
0450	0.01	1010	0.01	2350	0.01		
MARCH 3, 1981							
0020	0.01	0330	0.01	0440	0.01	0650	0.01
0135	0.01	0345	0.01	0505	0.01	0715	0.01
0200	0.01	0355	0.01	0525	0.01	0745	0.01
0230	0.01	0405	0.01	0545	0.01	0805	0.01
0250	0.01	0420	0.01	0615	0.01	0830	0.01
0310	0.01	0425	0.01	0635	0.01		
MARCH 16, 1981							
1510	0.01	1530	0.02	1555	0.01	2040	0.01
1515	0.01	1535	0.01	2025	0.01	2045	0.01
1520	0.01	1540	0.02	2030	0.02	2110	0.01
1525	0.01						
MARCH 20, 1981							
0850	0.01	1425	0.01	1440	0.01	1455	0.01
1410	0.01	1430	0.02	1445	0.01	1525	0.01
1420	0.01	1435	0.01				
MARCH 26, 27, 28, 1981							
1105	0.01	1540	0.03	0545	0.01	1015	0.01
1110	0.01	1545	0.01	0555	0.01	1245	0.01
1115	0.01	1550	0.01	0610	0.01	1305	0.01
1120	0.01	1625	0.01	0630	0.01	1320	0.02
1130	0.01	1635	0.01	0645	0.02	1325	0.01
1140	0.01	1655	0.01	0650	0.02	1330	0.01
1200	0.01	1735	0.01	0655	0.01	1335	0.01
1215	0.01	1750	0.01	0700	0.01	1345	0.01
1225	0.01	1910	0.01	0710	0.01	1400	0.01
1235	0.02	2020	0.01	0725	0.01	1455	0.01
1245	0.01	2035	0.01	0750	0.01	1530	0.01

TABLE 2.--Continued

P-13 EIGHTH SOUTH CONDUITS AT JORDAN RIVER--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MARCH 26,27,28,1981--CONTINUED							
1320	0.01	2100	0.01	0755	0.01	1535	0.01
1325	0.02	2145	0.01	0800	0.01	1540	0.02
1330	0.01	2250	0.01	0805	0.01	1545	0.02
1335	0.01	2355	0.01	0815	0.01	1550	0.02
1340	0.01			0825	0.01	1555	0.01
1345	0.01	0010	0.01	0835	0.01	1600	0.02
1355	0.01	0030	0.01	0850	0.01	1610	0.01
1405	0.04	0045	0.01	0900	0.01	1615	0.01
1410	0.02	0125	0.01	0905	0.02	2310	0.01
1415	0.01	0130	0.01	0910	0.01		
1420	0.01	0255	0.01	0915	0.01	0020	0.01
1425	0.01	0435	0.01	0920	0.01	0105	0.01
1430	0.01	0440	0.01	0930	0.01	0120	0.01
1435	0.01	0445	0.01	0935	0.01	0125	0.01
1440	0.01	0500	0.01	0940	0.01	0135	0.01
1445	0.01	0515	0.01	0950	0.01	0140	0.01
1450	0.02	0535	0.02	0955	0.01	0155	0.01
1455	0.01	0540	0.02	1005	0.01	0220	0.01
1505	0.01						
MARCH 29-30,1981							
1820	0.05	2155	0.01	2335	0.01	0655	0.02
1825	0.01	2200	0.01	2350	0.03	0705	0.01
2010	0.01	2210	0.02	2400	0.01	0720	0.01
2110	0.01	2215	0.02			0740	0.01
2130	0.01	2220	0.01	0035	0.02	0745	0.01
2135	0.01	2300	0.04	0040	0.01	0750	0.01
2140	0.01	2305	0.01	0625	0.01	0800	0.01
2145	0.01	2310	0.01	0640	0.01	0825	0.01
2150	0.01	2320	0.01	0650	0.01	1030	0.01
MAY 2-3,1981							
1510	0.01	0005	0.01	0135	0.02	0330	0.01
1515	0.02	0015	0.01	0140	0.01	0420	0.01
1520	0.01	0035	0.01	0150	0.02	0425	0.01
2245	0.03	0040	0.04	0155	0.02	0445	0.01
2250	0.10	0045	0.02	0200	0.02	0455	0.01
2255	0.13	0050	0.02	0205	0.01	0505	0.01
2300	0.07	0055	0.01	0215	0.01	0525	0.01
2305	0.03	0100	0.01	0220	0.01	0700	0.01
2310	0.01	0105	0.02	0230	0.01	0725	0.01

TABLE 2.--Continued

P-13 EIGHTH SOUTH CONDUITS AT JORDAN RIVER--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MAY 2-3, 1981--CONTINUED							
2320	0.01	0110	0.03	0235	0.01	0810	0.01
2345	0.01	0115	0.02	0240	0.01	0835	0.01
2355	0.01	0120	0.03	0245	0.01	0850	0.01
2400	0.01	0125	0.01	0250	0.01	1105	0.01
		0130	0.02	0300	0.01	1140	0.01
MAY 8, 1981							
0635	0.01	0820	0.02	0925	0.01	1000	0.02
0640	0.01	0825	0.03	0930	0.02	1005	0.02
0655	0.01	0830	0.01	0935	0.01	1010	0.02
0710	0.02	0845	0.01	0940	0.01	1015	0.01
0715	0.01	0855	0.01	0945	0.01	1020	0.02
0720	0.01	0900	0.01	0950	0.01	1030	0.02
0725	0.01	0915	0.01	0955	0.01	1040	0.01
0735	0.01						
MAY 10-11, 1981							
2240	0.01	2305	0.01	2330	0.02	2355	0.01
2245	0.01	2310	0.01	2335	0.03	2400	0.01
2250	0.01	2315	0.02	2340	0.02		
2255	0.01	2320	0.01	2345	0.02	0005	0.01
2300	0.01	2325	0.03	2350	0.02		
MAY 15-16, 1981							
0630	0.01	1315	0.01	2340	0.01	0505	0.01
0635	0.02	1330	0.01	2345	0.02	0520	0.01
0640	0.01	1350	0.01	2350	0.01	0555	0.01
0645	0.02	1420	0.01	2355	0.01	0600	0.01
0650	0.02	2140	0.01	2400	0.02	0610	0.01
0655	0.02	2145	0.01			0620	0.01
0700	0.01	2150	0.02	0005	0.02	0625	0.02
0705	0.02	2155	0.03	0010	0.02	0630	0.01
0710	0.03	2200	0.02	0015	0.01	0635	0.01
0715	0.01	2205	0.03	0020	0.02	0815	0.01
0735	0.01	2210	0.04	0025	0.01	0900	0.01
0815	0.01	2215	0.04	0030	0.01	0915	0.01
0830	0.01	2220	0.07	0035	0.02	0920	0.03
1100	0.01	2225	0.04	0040	0.02	0930	0.01
1110	0.01	2230	0.02	0045	0.02	0945	0.01

TABLE 2.--Continued

P-13 EIGHTH SOUTH CONDUITS AT JORDAN RIVER--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MAY 15-16, 1981--CONTINUED							
1135	0.09	2235	0.02	0050	0.01	0950	0.01
1140	0.08	2240	0.03	0100	0.01	0955	0.01
1145	0.01	2245	0.02	0105	0.01	1000	0.01
1205	0.01	2250	0.01	0110	0.01	1625	0.01
1235	0.01	2255	0.01	0120	0.01	1700	0.01
1240	0.01	2300	0.01	0130	0.01	1720	0.01
1245	0.01	2305	0.02	0150	0.01	1750	0.01
1250	0.02	2310	0.01	0300	0.01	1800	0.01
1255	0.02	2315	0.01	0400	0.01	1805	0.01
1300	0.02	2325	0.02	0420	0.01	1815	0.01
1305	0.01	2330	0.01	0440	0.01	1835	0.01
1310	0.02	2335	0.02	0445	0.01		
MAY 17, 1981							
0020	0.01	0235	0.01	0435	0.01	0535	0.01
0200	0.01	0305	0.01	0505	0.01	0550	0.01
0210	0.01	0405	0.01	0525	0.01	0610	0.01
0215	0.01						
MAY 20, 1981							
0605	0.01	0900	0.01	1230	0.01	1335	0.01
0615	0.01	1145	0.01	1240	0.01	1345	0.01
0630	0.01	1200	0.01	1250	0.01	1350	0.01
0635	0.02	1205	0.01	1320	0.01	1400	0.01
0650	0.01	1215	0.01				
MAY 21, 1981							
0135	0.01	0510	0.01	0705	0.01	1450	0.01
0150	0.01	0515	0.01	0715	0.01	1500	0.01
0210	0.01	0520	0.02	1305	0.01	1505	0.01
0255	0.01	0525	0.01	1315	0.01	1515	0.01
0320	0.01	0530	0.01	1325	0.01	1540	0.01
0350	0.01	0535	0.01	1335	0.01	1605	0.01
0400	0.01	0540	0.01	1345	0.01	1620	0.01
0410	0.01	0545	0.02	1350	0.01	1635	0.02
0420	0.01	0550	0.02	1405	0.01	1645	0.01
0435	0.01	0555	0.01	1410	0.01	1750	0.01
0445	0.01	0600	0.01	1420	0.01	1755	0.01
0450	0.02	0605	0.01	1430	0.01	1800	0.02

TABLE 2.--Continued

P-13 EIGHTH SOUTH CONDUITS AT JORDAN RIVER--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MAY 21, 1981--CONTINUED							
0455	0.01	0610	0.02	1440	0.01	1815	0.01
0500	0.02	0625	0.01	1445	0.01	1825	0.01
0505	0.02	0645	0.01				
MAY 27, 1981							
0400	0.01	0505	0.01	0800	0.04	0850	0.01
0410	0.01	0510	0.01	0805	0.04	0900	0.01
0420	0.02	0525	0.01	0810	0.04	0905	0.01
0425	0.02	0545	0.01	0815	0.01	0910	0.01
0430	0.03	0725	0.01	0820	0.01	0915	0.01
0435	0.01	0745	0.01	0825	0.02	0920	0.02
0440	0.02	0750	0.07	0830	0.02	0925	0.01
0445	0.01	0755	0.05	0845	0.01	0955	0.01
0455	0.01						
JUNE 14, 1981							
0010	0.01	0120	0.01	0355	0.01	0740	0.01
0015	0.02	0125	0.02	0415	0.01	0745	0.01
0040	0.01	0135	0.01	0455	0.01	0750	0.03
0050	0.01	0145	0.01	0535	0.01	0755	0.01
0100	0.01	0155	0.01	0600	0.01	0805	0.01
0110	0.01	0210	0.01	0730	0.01	0815	0.01
0115	0.02	0225	0.01	0735	0.01	1105	0.01
JULY 6, 1981							
1500	0.01	1505	0.03	1510	0.12	1515	0.04
AUGUST 20, 1981							
0025	0.01	0045	0.01	0115	0.01	0135	0.03
0030	0.08	0110	0.01	0130	0.01	0140	0.01
0035	0.01						
AUGUST 24, 1981							
0525	0.07	0545	0.01	0610	0.01	0750	0.01
0530	0.01	0550	0.01	0740	0.02	0815	0.01
0540	0.04	0600	0.02	0745	0.01		
AUGUST 29, 1981							
1550	0.01	1600	0.10	1615	0.01		

TABLE 2.--Continued

P-14 LIBERTY PARK

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MARCH 26-27, 1981							
1100	0.01	1530	0.01			0445	0.02
1115	0.02	1545	0.02	0030	0.01	0500	0.02
1130	0.02	1600	0.02	0045	0.02	0515	0.06
1145	0.01	1615	0.01	0100	0.01	0845	0.02
1200	0.03	1630	0.02	0115	0.01	0900	0.02
1215	0.03	1645	0.01	0130	0.03	0915	0.01
1230	0.05	1700	0.01	0145	0.01	1315	0.04
1245	0.04	1730	0.01	0200	0.02	1330	0.02
1300	0.03	1815	0.01	0215	0.03	1345	0.01
1315	0.02	1900	0.01	0230	0.01	1400	0.03
1330	0.04	1915	0.01	0245	0.02	1415	0.01
1345	0.03	1945	0.01	0300	0.02	1530	0.04
1400	0.02	2030	0.01	0315	0.01	1545	0.01
1415	0.01	2100	0.01	0330	0.02	1600	0.03
1430	0.02	2145	0.01	0345	0.02	1615	0.01
1445	0.02	2300	0.01	0400	0.02	1715	0.01
1500	0.03	2330	0.01	0415	0.01	2330	0.01
1515	0.02	2400	0.01	0430	0.02	2400	0.01
MARCH 29-30, 1981							
1830	0.12	2245	0.01	0100	0.01	0615	0.01
2130	0.01	2300	0.02	0430	0.01	0830	0.01
2145	0.05	2330	0.02	0515	0.02	0945	0.01
2200	0.05	2345	0.02	0530	0.02	1030	0.01
2215	0.03	2400	0.01	0545	0.04	1045	0.01
2230	0.02			0600	0.01		
MAY 2-3, 1981							
1615	0.02	0045	0.01	0330	0.03	0830	0.01
1630	0.01	0130	0.03	0345	0.04	0945	0.02
1800	0.01	0145	0.08	0400	0.02	1000	0.01
2330	0.40	0200	0.07	0415	0.01	1145	0.01
2345	0.52	0215	0.06	0500	0.01	1215	0.03
2400	0.13	0230	0.08	0515	0.01	1230	0.02
		0245	0.03	0530	0.02	1615	0.01
0015	0.07	0300	0.06	0545	0.01	1700	0.01
0030	0.01	0315	0.02				

TABLE 2.--Continued

P-14 LIBERTY PARK--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MAY 8, 1981							
0615	0.01	0830	0.05	0945	0.05	1045	0.03
0645	0.03	0845	0.05	1000	0.05	2100	0.01
0715	0.03	0900	0.03	1015	0.04	2230	0.01
0730	0.05	0930	0.02	1030	0.04		
MAY 10, 1981							
2245	0.04	2315	0.06	2345	0.07	2400	0.03
2300	0.06	2330	0.09				
MAY 15-16, 1981							
0630	0.02	1330	0.02	0015	0.05	0645	0.02
0645	0.06	1415	0.02	0030	0.03	0930	0.02
0700	0.05	1430	0.01	0045	0.03	0945	0.03
0715	0.04	1445	0.01	0100	0.01	1015	0.01
0745	0.01	1500	0.01	0115	0.01	1030	0.01
0815	0.01	1815	0.01	0130	0.01	1045	0.01
0830	0.01	2130	0.02	0145	0.01	1100	0.01
0845	0.01	2145	0.06	0345	0.01	1115	0.01
1045	0.01	2200	0.04	0400	0.01	1645	0.01
1100	0.02	2215	0.06	0415	0.01	1700	0.01
1115	0.01	2230	0.06	0430	0.02	1730	0.01
1145	0.12	2245	0.07	0445	0.01	1800	0.02
1200	0.03	2300	0.07	0500	0.02	1815	0.02
1215	0.02	2315	0.04	0515	0.01	1830	0.02
1230	0.03	2330	0.03	0530	0.01	1845	0.01
1245	0.02	2345	0.05	0545	0.01	2030	0.01
1300	0.04	2400	0.06	0600	0.01	2130	0.01
1315	0.04			0615	0.01		
MAY 17, 1981							
0215	0.01	0315	0.01	0430	0.01	0530	0.01
0230	0.01	0330	0.01	0445	0.01	0545	0.03
0245	0.01	0400	0.01	0515	0.01		

TABLE 2.--Continued

P-14 LIBERTY PARK--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MAY 20, 1981							
0615	0.02	0830	0.01	1115	0.01	1315	0.01
0630	0.01	0845	0.02	1200	0.02	1330	0.02
0645	0.03	0900	0.02	1215	0.01	1345	0.02
0700	0.02	0915	0.01	1230	0.02	1400	0.01
0730	0.01	1030	0.01	1245	0.02		
MAY 21, 1981							
0130	0.01	0515	0.04	1330	0.02	1600	0.01
0145	0.01	0530	0.03	1345	0.03	1615	0.01
0200	0.01	0545	0.04	1400	0.02	1645	0.01
0330	0.01	0600	0.02	1415	0.01	1730	0.01
0345	0.01	0615	0.04	1430	0.01	1745	0.01
0400	0.01	0630	0.02	1445	0.04	1800	0.03
0415	0.02	0645	0.01	1500	0.01	1815	0.01
0430	0.01	0700	0.01	1515	0.01	1830	0.01
0445	0.03	1315	0.02	1530	0.01	2015	0.01
0500	0.05						
MAY 27, 1981							
0415	0.01	0530	0.01	0815	0.01	0915	0.04
0430	0.02	0545	0.01	0830	0.02	0930	0.04
0445	0.04	0645	0.01	0845	0.01	0945	0.02
0500	0.01	0800	0.01	0900	0.03	1000	0.02
0515	0.02						
JUNE 2, 1981							
1730	0.01	1915	0.01	1945	0.06	2015	0.03
1745	0.08	1930	0.02	2000	0.03	2030	0.03
1800	0.02						
JUNE 3, 1981							
0545	0.01	0830	0.01	1000	0.10	1030	0.10
0630	0.01	0845	0.01	1015	0.02	1045	0.02
0645	0.01	0945	0.03				

TABLE 2.--Continued

P-14 LIBERTY PARK--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
JUNE 14, 1981							
0015	0.02	0145	0.02	0430	0.01	0645	0.01
0030	0.02	0200	0.01	0500	0.01	0800	0.06
0045	0.01	0230	0.01	0545	0.01	0815	0.05
0100	0.02	0345	0.01	0600	0.02	0830	0.01
0115	0.01	0400	0.01	0615	0.01	0845	0.01
0130	0.02	0415	0.01				
SEPTEMBER 5, 1981							
0445	0.04	0615	0.02	1145	0.01	1330	0.11
0545	0.02	0630	0.01	1300	0.03	1345	0.03
0600	0.01	1115	0.01	1315	0.16	1415	0.01

TABLE 2.--Continued

P-15 ADMINISTRATION BUILDING NEAR 1700 SOUTH AND REDWOOD ROAD

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
JULY 1, 1980							
1415	0.02	1915	0.08	2015	0.08	2045	0.10
1830	0.06	1945	0.02	2030	0.08	2100	0.02
1845	0.02	2000	0.02				
AUGUST 19, 1980							
1430	0.05	1445	0.03				
AUGUST 25, 1980							
1300	0.05	1315	0.03				
OCTOBER 15, 1980							
0130	0.01	0430	0.01	0700	0.02	1030	0.02
0215	0.01	0445	0.03	0715	0.01	1445	0.01
0230	0.01	0500	0.01	0730	0.01	1500	0.01
0245	0.01	0515	0.03	0745	0.02	1545	0.01
0300	0.01	0530	0.01	0800	0.02	1700	0.01
0315	0.01	0545	0.02	0815	0.01	1715	0.01
0330	0.01	0600	0.01	0830	0.01	1800	0.01
0345	0.02	0615	0.01	0845	0.01	1815	0.01
0400	0.01	0630	0.01	0900	0.01	1830	0.01
0415	0.01	0645	0.01				
OCTOBER 16, 1980							
0300	0.01	0545	0.01	1015	0.03	1245	0.02
0315	0.01	0600	0.01	1030	0.03	1300	0.01
0330	0.01	0615	0.01	1045	0.01	1330	0.01
0345	0.02	0630	0.01	1100	0.01	1400	0.01
0400	0.02	0645	0.01	1115	0.01	1415	0.01
0415	0.01	0730	0.01	1130	0.04	1430	0.01
0430	0.01	0745	0.01	1145	0.03	1445	0.01
0445	0.02	0800	0.01	1200	0.03	1500	0.01
0500	0.01	0830	0.01	1215	0.02	1800	0.01
0515	0.02	0845	0.01	1230	0.02	1900	0.01
0530	0.03	1000	0.01				

TABLE 2.--Continued

P-15 ADMINISTRATION BUILDING NEAR 1700 SOUTH AND REDWOOD ROAD--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
OCTOBER 26, 1980							
0945	0.01	1100	0.02	1200	0.02	1300	0.01
1000	0.05	1115	0.01	1215	0.03	1330	0.01
1015	0.06	1130	0.03	1230	0.04	1445	0.01
1030	0.02	1145	0.02	1245	0.01	1545	0.01
1045	0.02						
FEBRUARY 26-27, 1981							
0045	0.02	0400	0.01	0600	0.01	2245	0.03
0145	0.01	0430	0.01	0700	0.01	2315	0.04
0200	0.01	0445	0.03	0815	0.01	2400	0.02
0215	0.02	0500	0.06	0900	0.02		
0230	0.02	0515	0.02	1015	0.01	0015	0.02
0245	0.01	0530	0.01	1030	0.01	0045	0.05
MARCH 3, 1981							
0245	0.01	0415	0.01	0600	0.01	0715	0.01
0330	0.01	0430	0.01	0630	0.01	0745	0.01
0345	0.01	0445	0.01	0645	0.01	0815	0.01
0400	0.01	0515	0.01				
MARCH 16, 1981							
1515	0.04	1545	0.02	1615	0.02	2015	0.03
1530	0.04						
MARCH 20, 1981							
1415	0.01	1430	0.07	1445	0.03	1515	0.01
MARCH 26, 1981							
1115	0.01	1315	0.06	1445	0.01	1630	0.02
1130	0.01	1330	0.02	1500	0.01	1645	0.01
1145	0.02	1345	0.03	1515	0.01	1715	0.01
1215	0.02	1400	0.02	1530	0.02	1800	0.01
1245	0.05	1415	0.02	1545	0.02	2130	0.01
1300	0.01	1430	0.02	1615	0.01		

TABLE 2.--Continued

P-15 ADMINISTRATION BUILDING NEAR 1700 SOUTH AND REDWOOD ROAD--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MARCH 27, 1981							
0045	0.02	0230	0.02	0430	0.01	1330	0.02
0100	0.01	0245	0.04	0445	0.02	1400	0.01
0115	0.01	0315	0.04	0600	0.02	1500	0.02
0130	0.01	0330	0.03	0715	0.02	1515	0.02
0145	0.04	0400	0.01	0815	0.02	1530	0.05
0215	0.03	0415	0.03	1315	0.03	1545	0.04
MARCH 28, 1981							
0115	0.02	0145	0.01	0200	0.03		
MARCH 29-30, 1981							
1815	0.01	2215	0.05	2330	0.01	0030	0.02
1830	0.02	2230	0.02	2345	0.04	0530	0.02
2145	0.03	2245	0.03	2400	0.01	0545	0.01
2200	0.03	2315	0.02			0600	0.02
MAY 2-3, 1981							
1600	0.03	0045	0.01	0245	0.03	0530	0.01
2315	0.01	0100	0.02	0300	0.04	0545	0.02
2330	0.01	0115	0.02	0315	0.02	0600	0.01
2345	0.05	0130	0.03	0330	0.04	0615	0.01
2400	0.05	0145	0.05	0345	0.02	0630	0.01
		0200	0.05	0400	0.01	0830	0.01
0015	0.01	0215	0.06	0415	0.01	0930	0.02
0030	0.01	0230	0.04	0515	0.01	1200	0.03
MAY 8, 1981							
0600	0.01	0715	0.04	0900	0.02	1000	0.04
0630	0.01	0730	0.02	0915	0.04	1015	0.02
0645	0.05	0745	0.02	0930	0.03	1030	0.05
0700	0.03	0830	0.01	0945	0.05		
MAY 10, 1981							
2245	0.01	2315	0.05	2345	0.05	2400	0.05
2300	0.03	2330	0.08				

TABLE 2.--Continued

P-15 ADMINISTRATION BUILDING NEAR 1700 SOUTH AND REDWOOD ROAD--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MAY 15-16, 1981							
0630	0.01	1315	0.01	2345	0.06	0630	0.04
0645	0.03	1330	0.01	2400	0.04	0645	0.04
0700	0.03	1345	0.02			0830	0.02
0715	0.08	1400	0.01	0015	0.05	0915	0.01
0730	0.01	1415	0.02	0030	0.05	0930	0.03
0830	0.01	2145	0.01	0045	0.04	0945	0.02
0845	0.01	2200	0.02	0100	0.02	1000	0.03
1115	0.02	2215	0.03	0115	0.02	1630	0.01
1200	0.03	2230	0.05	0145	0.02	1730	0.01
1215	0.01	2245	0.04	0500	0.02	1745	0.01
1230	0.01	2300	0.04	0515	0.01	1800	0.01
1245	0.03	2315	0.03	0600	0.02	1815	0.01
1300	0.01	2330	0.05	0615	0.02	1845	0.01
MAY 17, 1981							
0015	0.02	0430	0.02	0545	0.02	0615	0.01
0215	0.02						
MAY 20, 1981							
0615	0.01	0645	0.03	1215	0.02	1330	0.02
0630	0.03	1145	0.02	1230	0.02	1345	0.03
MAY 21, 1981							
0130	0.01	0515	0.04	1400	0.01	1700	0.01
0300	0.02	0530	0.03	1415	0.02	1715	0.01
0315	0.01	0545	0.04	1430	0.03	1730	0.01
0330	0.01	0600	0.04	1445	0.01	1745	0.02
0345	0.01	0615	0.01	1500	0.01	1800	0.02
0400	0.01	0630	0.01	1615	0.02	1815	0.03
0430	0.01	1330	0.01	1630	0.01	1830	0.01
0445	0.02	1345	0.01	1645	0.02	1845	0.01
0500	0.04						
MAY 27, 1981							
0415	0.03	0515	0.01	0745	0.01	0845	0.02
0430	0.08	0545	0.01	0800	0.05	0900	0.02
0445	0.04	0715	0.02	0815	0.08	0945	0.02
0500	0.03	0730	0.01	0830	0.04		

TABLE 2.--Continued

P-15 ADMINISTRATION BUILDING NEAR 1700 SOUTH AND REDWOOD ROAD--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
JUNE 2, 1981							
1730	0.02	1900	0.02	1945	0.02	2015	0.04
1745	0.14	1930	0.07	2000	0.02	2030	0.02
JUNE 3, 1981							
0515	0.01	0545	0.01	0930	0.01	1000	0.02
0530	0.01	0615	0.01	0945	0.02		
JUNE 14, 1981							
0115	0.01	0200	0.04	0445	0.02	0815	0.02
0130	0.03	0230	0.01	0545	0.02	0930	0.01
0145	0.03	0300	0.02	0800	0.02		
SEPTEMBER 5, 1981							
0545	0.02	1300	0.08	1330	0.07	1345	0.01
0615	0.02	1315	0.16				

TABLE 2.--Continued

P-16 SUBURBAN SANITARY DISTRICT NO. 1 NEAR 700 WEST AND 3100 SOUTH

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MARCH 26-27, 1981							
1115	0.01	1615	0.02	0215	0.01	0830	0.03
1130	0.01	1630	0.02	0230	0.01	0845	0.03
1145	0.01	1645	0.01	0245	0.01	0900	0.03
1215	0.01	1700	0.02	0300	0.01	0915	0.01
1230	0.03	1730	0.02	0315	0.02	0930	0.01
1245	0.02	2000	0.01	0345	0.01	1315	0.01
1300	0.03	2030	0.01	0415	0.01	1345	0.01
1315	0.03	2145	0.01	0445	0.01	1400	0.01
1330	0.04	2330	0.01	0515	0.01	1415	0.03
1345	0.03	2345	0.01	0545	0.01	1430	0.01
1400	0.03			0615	0.01	1445	0.01
1415	0.02	0015	0.01	0630	0.02	1500	0.01
1430	0.02	0030	0.01	0700	0.01	1515	0.04
1445	0.01	0045	0.01	0715	0.01	1530	0.02
1500	0.02	0100	0.02	0730	0.02	1545	0.01
1515	0.02	0115	0.01	0745	0.02	1600	0.01
1530	0.03	0130	0.02	0800	0.01	2330	0.01
1545	0.01	0145	0.01	0815	0.02	2345	0.01
1600	0.01	0200	0.02				
MARCH 29-30, 1981							
1800	0.01	2245	0.01	0215	0.01	0615	0.01
1815	0.01	2300	0.01	0400	0.01	0815	0.01
2015	0.01	2315	0.01	0445	0.01	0830	0.01
2130	0.04	2330	0.01	0500	0.02	0845	0.01
2145	0.04	2345	0.02	0515	0.02	1000	0.01
2200	0.01	2400	0.01	0530	0.01	1015	0.02
2215	0.01			0600	0.01	1030	0.01
2230	0.01	0115	0.01				
APRIL 2, 1981							
1730	0.03	1930	0.01	2045	0.01	2230	0.01
1745	0.03	2000	0.01	2100	0.01	2300	0.01
1800	0.01	2015	0.01	2130	0.01	2330	0.01
1915	0.01	2030	0.01	2200	0.01		
MAY 2-3, 1981							
2330	0.02	0115	0.10	0300	0.02	0530	0.01
2345	0.02	0130	0.09	0315	0.05	0545	0.01

TABLE 2.--Continued

P-16 SUBURBAN SANITARY DISTRICT NO. 1 NEAR 700 WEST AND 3100 SOUTH--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MAY 2-3, 1981--CONTINUED							
2400	0.01	0145	0.03	0330	0.03	0615	0.01
		0200	0.05	0345	0.02	0700	0.01
0015	0.01	0215	0.06	0400	0.01	0815	0.01
0030	0.01	0230	0.03	0445	0.01	0930	0.01
0045	0.01	0245	0.03	0515	0.01	0945	0.01
0100	0.01						
MAY 8, 1981							
0645	0.02	0745	0.02	0915	0.02	1015	0.03
0700	0.03	0800	0.03	0930	0.04	1030	0.01
0715	0.01	0845	0.03	0945	0.02	1045	0.03
0730	0.06	0900	0.02	1000	0.02	1100	0.01
MAY 10, 1981							
2245	0.05	2315	0.04	2345	0.07	2400	0.05
2300	0.03	2330	0.07				
MAY 15-16, 1981							
0615	0.02	1400	0.03			0615	0.02
0630	0.04	1415	0.03	0015	0.06	0630	0.01
0645	0.04	1430	0.01	0030	0.04	0645	0.02
0700	0.05	1445	0.02	0045	0.04	0700	0.01
1045	0.02	2130	0.01	0100	0.03	0930	0.02
1100	0.02	2145	0.03	0115	0.01	0945	0.01
1130	0.09	2200	0.03	0130	0.01	1000	0.06
1145	0.20	2215	0.03	0145	0.01	1015	0.03
1200	0.05	2230	0.06	0415	0.01	1700	0.01
1215	0.03	2245	0.02	0430	0.01	1715	0.01
1230	0.06	2300	0.04	0445	0.01	1730	0.01
1245	0.04	2315	0.05	0500	0.01	1745	0.01
1300	0.04	2330	0.06	0515	0.01	1815	0.01
1315	0.02	2345	0.04	0530	0.01	1830	0.01
1330	0.01	2400	0.04	0545	0.01	1845	0.01
MAY 17, 1981							
0200	0.01	0330	0.01	0515	0.01	0630	0.01
0215	0.01	0400	0.01	0545	0.01	0645	0.01
0230	0.01	0445	0.01	0615	0.01		

TABLE 2.--Continued

P-16 SUBURBAN SANITARY DISTRICT NO. 1 NEAR 700 WEST AND 3100 SOUTH--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MAY 20, 1981							
0615	0.03	0845	0.01	1200	0.02	1315	0.01
0630	0.03	0900	0.01	1215	0.03	1330	0.01
0645	0.01	1145	0.01	1245	0.01	1345	0.02
MAY 21, 1981							
0130	0.02	0500	0.06	1330	0.01	1515	0.02
0145	0.02	0515	0.03	1345	0.02	1630	0.01
0200	0.01	0530	0.04	1400	0.01	1700	0.01
0345	0.01	0545	0.04	1415	0.03	1830	0.02
0400	0.02	0600	0.04	1430	0.01	1845	0.02
0415	0.02	0615	0.02	1445	0.01	1900	0.01
0445	0.03	0630	0.01	1500	0.01		
MAY 27, 1981							
0445	0.01	0600	0.01	0830	0.11	0930	0.03
0500	0.03	0630	0.01	0845	0.08	0945	0.03
0515	0.01	0645	0.01	0900	0.03	1000	0.03
0530	0.02	0815	0.03	0915	0.04		
JUNE 2, 1981							
1745	0.13	1930	0.01	2000	0.02	2015	0.05
1915	0.01	1945	0.01				
JUNE 3, 1981							
0600	0.01	0800	0.01	1000	0.01	1015	0.02
JUNE 14, 1981							
0115	0.01	0215	0.01	0430	0.01	0745	0.01
0130	0.04	0230	0.02	0445	0.02	0800	0.03
0145	0.05	0245	0.01	0500	0.01	0815	0.03
0200	0.01	0315	0.01	0545	0.01		
SEPTEMBER 5, 1981							
0415	0.02	0500	0.01	0600	0.02	1330	0.02
0430	0.03	0530	0.01	1300	0.12	1345	0.01
0445	0.03	0545	0.03	1315	0.16		

TABLE 2.--Continued

P-16 SUBURBAN SANITARY DISTRICT NO. 1 NEAR 700 WEST AND 3100 SOUTH--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
SEPTEMBER 6, 1981							
0445	0.01	0630	0.01	0915	0.01	1015	0.01
0530	0.01	0700	0.01	0930	0.01	1030	0.01
0545	0.01	0715	0.01	0945	0.02	1100	0.01
0600	0.01	0830	0.01	1000	0.01	1600	0.01
0615	0.01						

TABLE 2.--Continued

P-17 MURRAY SEWAGE TREATMENT PLANT NEAR JORDAN RIVER AND 4500 SOUTH

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MARCH 26, 1981							
1145	0.01	1345	0.02	1545	0.01	1730	0.01
1200	0.01	1400	0.03	1600	0.02	1945	0.01
1215	0.02	1415	0.01	1615	0.02	2045	0.01
1230	0.03	1430	0.02	1630	0.01	2200	0.01
1245	0.02	1445	0.04	1645	0.01	2315	0.01
1300	0.02	1500	0.01	1700	0.01	2330	0.01
1315	0.02	1515	0.03	1715	0.01	2400	0.01
1330	0.04	1530	0.01				
MARCH 29-30, 1981							
1815	0.04	2300	0.01	0515	0.01	0845	0.01
2100	0.01	2330	0.01	0530	0.01	0900	0.01
2130	0.03			0545	0.01	0915	0.01
2145	0.06	0015	0.01	0600	0.01	0945	0.01
2200	0.01	0030	0.01	0615	0.01	1000	0.01
2215	0.02	0445	0.01	0815	0.01	1015	0.01
2230	0.01	0500	0.01	0830	0.07	1030	0.02
APRIL 2, 1981							
1715	0.03	1815	0.01	2030	0.01	2200	0.01
1730	0.04	1945	0.01	2045	0.01	2230	0.01
1745	0.01	2000	0.01	2115	0.01	2300	0.01
1800	0.01	2015	0.01	2130	0.01		
MAY 2-3, 1981							
1515	0.02	0130	0.09	0315	0.03	0600	0.01
1600	0.02	0145	0.03	0330	0.03	0615	0.01
2400	0.01	0200	0.05	0345	0.01	0815	0.02
		0215	0.08	0400	0.01	0830	0.01
0045	0.01	0230	0.03	0500	0.01	0900	0.01
0100	0.04	0245	0.02	0530	0.01	0945	0.01
0115	0.20	0300	0.02	0545	0.01		
MAY 8, 1981							
0630	0.01	0745	0.02	0900	0.06	1000	0.01
0645	0.03	0800	0.01	0915	0.04	1030	0.04
0700	0.01	0830	0.02	0930	0.03	1045	0.01
0715	0.04	0845	0.03	0945	0.01	1100	0.01
0730	0.03						

TABLE 2.--Continued

P-17 MURRAY SEWAGE TREATMENT PLANT NEAR JORDAN RIVER AND 4500 SOUTH--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MAY 10-11, 1981							
2215	0.04	2300	0.04	2330	0.04		
2230	0.03	2315	0.07	2345	0.04	0015	0.01
2245	0.03						
MAY 15-16, 1981							
0545	0.01	1315	0.05	2345	0.06	0515	0.01
0600	0.01	1330	0.02	2400	0.02	0545	0.01
0615	0.01	1345	0.04			0600	0.01
0630	0.05	1400	0.05	0015	0.04	0615	0.02
0645	0.05	1415	0.04	0030	0.04	0630	0.01
0700	0.07	1430	0.02	0045	0.05	0915	0.01
1100	0.02	1445	0.03	0100	0.04	0930	0.02
1115	0.01	2145	0.01	0115	0.01	0945	0.02
1130	0.01	2200	0.04	0300	0.01	1000	0.03
1145	0.02	2215	0.01	0330	0.01	1700	0.01
1200	0.08	2230	0.03	0400	0.02	1715	0.01
1215	0.12	2245	0.04	0415	0.01	1800	0.01
1230	0.05	2300	0.02	0430	0.01	1815	0.01
1245	0.03	2315	0.04	0445	0.01	1845	0.01
1300	0.04	2330	0.05	0500	0.02		
MAY 20, 1981							
0545	0.01	0900	0.01	1200	0.03	1315	0.01
0615	0.02	1130	0.02	1215	0.01	1330	0.02
0630	0.03	1145	0.01	1230	0.01	1345	0.01
0645	0.01						
MAY 21, 1981							
0130	0.01	0430	0.01	0615	0.01	1445	0.01
0145	0.01	0445	0.03	0630	0.01	1500	0.01
0200	0.01	0500	0.05	1330	0.01	1645	0.01
0330	0.01	0515	0.05	1345	0.01	1700	0.01
0345	0.01	0530	0.03	1400	0.01	1830	0.01
0400	0.01	0545	0.03	1415	0.01	1845	0.02
0415	0.01	0600	0.03	1430	0.01	1900	0.01

TABLE 2.--Continued

P-17 MURRAY SEWAGE TREATMENT PLANT NEAR JORDAN RIVER AND 4500 SOUTH--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
JUNE 2-3, 1981							
1730	0.05	1930	0.03	2030	0.01	1000	0.01
1745	0.05	1945	0.02			1015	0.01
1800	0.01	2000	0.02	0245	0.01	1030	0.01
1815	0.01	2015	0.04				
SEPTEMBER 5, 1981							
0345	0.01	0445	0.04	0545	0.02	1300	0.13
0400	0.01	0500	0.01	0600	0.01	1315	0.02
0415	0.01	0515	0.01	1230	0.01	1330	0.01
0430	0.02	0530	0.01	1245	0.18		

TABLE 2.--Continued

P-18 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
OCTOBER 26, 1980							
1040	0.01	1140	0.01	1235	0.01	1500	0.01
1055	0.01	1150	0.01	1250	0.01	1540	0.01
1100	0.01	1200	0.01	1315	0.01	1740	0.01
1115	0.01	1210	0.01	1350	0.01	1810	0.01
1120	0.01	1220	0.01	1415	0.01	1840	0.01
1125	0.01	1230	0.01	1430	0.01	1910	0.01
1130	0.01						
MARCH 26, 1981							
1115	0.01	1340	0.03	1455	0.01	1720	0.01
1125	0.01	1345	0.01	1520	0.01	1725	0.01
1155	0.01	1350	0.01	1525	0.02	1740	0.01
1220	0.01	1400	0.01	1530	0.01	1800	0.01
1225	0.01	1405	0.01	1540	0.01	1810	0.01
1235	0.01	1415	0.01	1620	0.01	1900	0.01
1250	0.03	1425	0.01	1625	0.01	1920	0.01
1255	0.01	1430	0.01	1650	0.01	1955	0.01
1315	0.01	1435	0.01	1705	0.01	2020	0.01
1320	0.01	1440	0.01	1710	0.02	2135	0.01
1325	0.01	1445	0.01	1715	0.01	2400	0.01
1335	0.01						
MARCH 29, 1981							
1835	0.01	2140	0.02	2210	0.01	2300	0.01
1855	0.01	2145	0.02	2215	0.01	2340	0.02
2045	0.01	2150	0.02	2220	0.01	2345	0.01
2120	0.01	2155	0.03	2225	0.01	2350	0.01
2130	0.01	2200	0.02	2255	0.02	2355	0.01
2135	0.01	2205	0.01				
APRIL 2-3, 1981							
1630	0.01	1800	0.01	2055	0.01	2250	0.01
1655	0.01	1820	0.01	2105	0.01	2305	0.01
1725	0.01	1835	0.01	2115	0.01	2320	0.01
1730	0.01	1855	0.01	2125	0.01	2345	0.01
1735	0.02	1910	0.01	2135	0.01		
1740	0.01	1940	0.01	2150	0.01	0005	0.01
1745	0.02	2020	0.01	2200	0.01	0010	0.01
1755	0.01	2045	0.01	2210	0.01	0120	0.01

TABLE 2.--Continued

P-18 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
APRIL 11, 1981							
0035	0.01	1245	0.02	1255	0.02	1305	0.02
0155	0.01	1250	0.01	1300	0.02	1310	0.02
MAY 8, 1981							
0640	0.01	0740	0.02	0905	0.01	1005	0.01
0645	0.01	0745	0.01	0910	0.02	1010	0.01
0655	0.01	0755	0.01	0915	0.02	1020	0.02
0700	0.01	0800	0.01	0920	0.01	1125	0.01
0710	0.01	0830	0.01	0940	0.01	1130	0.05
0715	0.01	0840	0.02	0945	0.02	1135	0.03
0720	0.01	0845	0.01	0950	0.01	1140	0.03
0725	0.02	0850	0.01	0955	0.01	1145	0.01
0730	0.03	0855	0.01	1000	0.02	1150	0.01
0735	0.02	0900	0.02				
MAY 10-11, 1981							
2235	0.02	2305	0.01	2335	0.02	2400	0.02
2240	0.01	2310	0.01	2340	0.02		
2245	0.01	2315	0.01	2345	0.02	0005	0.02
2250	0.02	2320	0.01	2350	0.02	0010	0.01
2255	0.01	2325	0.02	2355	0.01	0015	0.01
2300	0.02	2330	0.02				
MAY 15-16, 1981							
0640	0.02	1400	0.01	2325	0.01	0435	0.01
0645	0.02	1405	0.01	2335	0.01	0450	0.01
0650	0.04	1415	0.02	2340	0.01	0500	0.01
0655	0.02	1420	0.01	2345	0.01	0515	0.01
0700	0.01	1425	0.03	2350	0.01	0525	0.01
0705	0.02	1430	0.03	2355	0.02	0550	0.01
0710	0.01	1435	0.01	2400	0.01	0705	0.01
0715	0.01	1440	0.03			0835	0.01
0800	0.01	1445	0.03	0005	0.03	0845	0.01
1115	0.01	1450	0.03	0010	0.02	0850	0.02
1125	0.01	1455	0.03	0015	0.01	0900	0.01
1215	0.01	1500	0.02	0020	0.02	0910	0.01
1220	0.01	1505	0.01	0025	0.02	0920	0.01
1225	0.01	1515	0.01	0030	0.01	0930	0.01
1230	0.02	2155	0.01	0035	0.01	0935	0.01

TABLE 2.--Continued

P-18 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
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MAY 15-16, 1981--CONTINUED

1235	0.04	2200	0.01	0040	0.02	0940	0.01
1240	0.02	2205	0.01	0045	0.02	0945	0.01
1245	0.02	2210	0.01	0050	0.01	0955	0.01
1250	0.01	2215	0.02	0055	0.03	1000	0.01
1255	0.02	2220	0.01	0100	0.01	1015	0.01
1300	0.01	2225	0.02	0105	0.01	1030	0.01
1305	0.03	2230	0.01	0110	0.01	1040	0.01
1310	0.01	2235	0.01	0115	0.01	1055	0.01
1315	0.02	2240	0.02	0120	0.01	1110	0.01
1320	0.02	2245	0.01	0130	0.01	1145	0.01
1325	0.02	2250	0.01	0140	0.01	1430	0.01
1330	0.02	2255	0.02	0155	0.01	1815	0.01
1335	0.02	2300	0.01	0325	0.01	1830	0.01
1340	0.02	2305	0.02	0355	0.01	1840	0.01
1345	0.01	2310	0.02	0405	0.01	1910	0.01
1350	0.02	2315	0.01	0420	0.01	2340	0.01
1355	0.01	2320	0.01				

MAY 20-21, 1981

0630	0.01	1220	0.01	0500	0.01	0620	0.01
0635	0.03	1225	0.01	0505	0.01	0625	0.01
0645	0.01	1240	0.01	0510	0.01	0635	0.01
0710	0.01	1310	0.01	0515	0.02	0650	0.01
0720	0.01	1320	0.01	0520	0.01	0810	0.01
0830	0.01	1325	0.01	0525	0.01	1410	0.01
0835	0.01	1340	0.01	0530	0.01	1430	0.01
0840	0.01	2055	0.01	0535	0.01	1445	0.01
0845	0.01			0540	0.01	1500	0.01
0855	0.01	0155	0.01	0545	0.01	1525	0.01
0905	0.01	0210	0.01	0550	0.01	1655	0.02
0915	0.01	0420	0.01	0555	0.01	1700	0.01
1130	0.01	0430	0.01	0600	0.01	1840	0.01
1140	0.01	0440	0.01	0610	0.01	1855	0.01
1150	0.01	0450	0.01	0615	0.01	1900	0.01
1200	0.01						

MAY 25, 1981

1645	0.02	1655	0.01	1705	0.01	1750	0.01
1650	0.02	1700	0.01	1710	0.02		

TABLE 2.--Continued

P-18 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MAY 26, 1981							
0450	0.01	0715	0.01	0750	0.02	1325	0.01
0535	0.01	0730	0.01	0755	0.01	2350	0.01
0600	0.01	0745	0.01	0820	0.01		
JUNE 2, 1981							
1740	0.11	1940	0.02	1955	0.03	2020	0.03
1745	0.01	1945	0.02	2010	0.01	2025	0.02
1805	0.01	1950	0.01	2015	0.03	2030	0.01
1825	0.01						
JUNE 3, 1981							
0730	0.01	1030	0.02	1055	0.02	1120	0.01
1015	0.01	1035	0.02	1100	0.01	1130	0.01
1020	0.06	1040	0.02	1105	0.01	1135	0.01
1025	0.01	1045	0.01	1115	0.01		
JUNE 13-14, 1981							
0050	0.01	0035	0.01	0235	0.01	0520	0.01
0150	0.01	0150	0.02	0240	0.01	0540	0.01
2225	0.01	0155	0.02	0255	0.01	0600	0.01
2230	0.01	0200	0.01	0305	0.01	0705	0.01
2310	0.01	0205	0.01	0320	0.01	0810	0.01
2325	0.01	0210	0.01	0440	0.01	0830	0.01
2355	0.01	0215	0.01	0450	0.01	0835	0.01
2400	0.01	0220	0.02	0500	0.02	0840	0.01
		0225	0.02	0505	0.01	0845	0.01
0005	0.01	0230	0.01	0510	0.01		
JULY 2, 1981							
0755	0.11	0810	0.02	0835	0.06	0845	0.01
0800	0.10	0815	0.01	0840	0.02	0855	0.01
0805	0.06	0830	0.03				
JULY 6, 1981							
1440	0.02	1455	0.02	1505	0.03	1510	0.02
1445	0.01	1500	0.02				

TABLE 2.--Continued

P-18 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
SEPTEMBER 5, 1981							
0335	0.02	0545	0.01	1305	0.02	1330	0.02
0400	0.01	0605	0.01	1310	0.05	1335	0.01
0425	0.01	0950	0.01	1315	0.10	1345	0.01
0440	0.01	1055	0.01	1320	0.04	1350	0.01
0455	0.01	1125	0.01	1325	0.08	1400	0.01
SEPTEMBER 6, 1981							
0445	0.01	0715	0.01	0855	0.01	0940	0.01
0545	0.01	0745	0.01	0905	0.01	0950	0.01
0615	0.01	0820	0.01	0920	0.01	1000	0.01
0640	0.01	0835	0.01	0930	0.01	1015	0.01
0655	0.01	0845	0.01				

TABLE 2.--Continued

P-19 MURRAY PUMPING PLANT NEAR VINE STREET AND 900 EAST

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MARCH 26, 1981							
1215	0.04	1400	0.01	1545	0.02	1730	0.01
1230	0.03	1415	0.01	1600	0.02	1745	0.01
1245	0.03	1430	0.02	1615	0.02	2030	0.01
1300	0.04	1445	0.02	1630	0.02	2045	0.01
1315	0.02	1500	0.02	1645	0.02	2345	0.01
1330	0.01	1515	0.02	1700	0.01	2400	0.01
1345	0.04	1530	0.01	1715	0.01		
MARCH 29-30, 1981							
1830	0.01	2245	0.02	0515	0.01	0900	0.01
1845	0.01	2300	0.02	0530	0.02	0915	0.01
2045	0.01	2315	0.01	0545	0.02	0930	0.01
2100	0.01	2330	0.02	0600	0.01	0945	0.01
2115	0.02	2345	0.01	0615	0.03	1000	0.02
2130	0.04	2400	0.01	0630	0.01	1015	0.01
2145	0.06			0800	0.01	1030	0.02
2200	0.03	0015	0.01	0815	0.07	1045	0.01
2215	0.02	0030	0.01	0830	0.01	1100	0.01
2230	0.01						
APRIL 2-3, 1981							
1615	0.01	1900	0.01	2115	0.01	2330	0.01
1630	0.01	1915	0.01	2130	0.01		
1645	0.01	1930	0.01	2145	0.02	0300	0.01
1715	0.03	1945	0.01	2215	0.01	0500	0.01
1730	0.04	2030	0.01	2230	0.01	0530	0.01
1745	0.01	2045	0.02	2245	0.01	0600	0.01
1800	0.01	2100	0.02	2315	0.01	2045	0.01
1845	0.01						
MAY 2-3, 1981							
1500	0.01	0130	0.12	0315	0.01	0545	0.01
1515	0.01	0145	0.07	0330	0.02	0600	0.01
1545	0.01	0200	0.05	0345	0.01	0930	0.01
1600	0.01	0215	0.07	0400	0.01	0945	0.01
1615	0.01	0230	0.11	0500	0.01	1215	0.01
		0245	0.05	0515	0.01	1230	0.01
0115	0.03	0300	0.05	0530	0.01		

TABLE 2.--Continued

P-19 MURRAY PUMPING PLANT NEAR VINE STREET AND 900 EAST--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MAY 8, 1981							
0645	0.01	0745	0.02	0845	0.02	0945	0.02
0700	0.02	0800	0.02	0900	0.04	1000	0.01
0715	0.02	0815	0.03	0915	0.04	1045	0.05
0730	0.04	0830	0.02	0930	0.05	1100	0.03
MAY 10, 1981							
2215	0.02	2245	0.05	2315	0.05	2345	0.03
2230	0.05	2300	0.02	2330	0.05	2400	0.03
MAY 15-16, 1981							
0645	0.10	1445	0.06	0045	0.05	0600	0.01
0700	0.05	1500	0.03	0100	0.03	0800	0.01
0715	0.04	2145	0.02	0115	0.03	0815	0.01
0830	0.01	2200	0.02	0130	0.01	0915	0.01
1130	0.01	2215	0.02	0145	0.01	0930	0.01
1215	0.01	2230	0.05	0200	0.01	0945	0.04
1230	0.06	2245	0.04	0300	0.01	1000	0.02
1245	0.08	2300	0.03	0400	0.01	1015	0.02
1300	0.04	2315	0.03	0415	0.02	1030	0.01
1315	0.06	2330	0.03	0430	0.01	1145	0.01
1330	0.03	2345	0.03	0445	0.02	1800	0.01
1345	0.04	2400	0.05	0500	0.01	1815	0.01
1400	0.03			0515	0.02	1845	0.01
1415	0.05	0015	0.04	0530	0.01	1900	0.01
1430	0.09	0030	0.03	0545	0.01		
MAY 20-21, 1981							
0630	0.04	1200	0.01	0430	0.01	0630	0.01
0645	0.01	1215	0.01	0445	0.01	0645	0.02
0700	0.01	1315	0.01	0500	0.06	0700	0.01
0830	0.01	1330	0.03	0515	0.02	1415	0.01
0845	0.02	2100	0.01	0530	0.03	1445	0.01
0900	0.02			0545	0.02	1600	0.01
1115	0.01	0145	0.01	0600	0.02	1700	0.01
1130	0.01	0200	0.02	0615	0.02	1830	0.01
1145	0.02	0415	0.01				

TABLE 2.--Continued

P-19 MURRAY PUMPING PLANT NEAR VINE STREET AND 900 EAST--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
JUNE 2-3, 1981							
1745	0.06	2030	0.01	0645	0.01	1030	0.03
1945	0.02	2100	0.01	0730	0.01	1045	0.02
2000	0.03			0900	0.01	1100	0.02
2015	0.07	0600	0.01	1015	0.03		
SEPTEMBER 5, 1981							
0415	0.02	0530	0.01	1100	0.01	1330	0.05
0430	0.01	0545	0.01	1245	0.01	1345	0.01
0445	0.02	0615	0.01	1300	0.29	1415	0.01
0515	0.01	0930	0.01	1315	0.23	1445	0.01

TABLE 2.--Continued

P-22 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MARCH 20, 1981							
0740	0.01	0905	0.01	1650	0.01	1820	0.01
0755	0.01	0920	0.01	1655	0.01	1845	0.01
0800	0.01	0930	0.02	1705	0.01	1915	0.01
0810	0.01	1305	0.01	1715	0.01	2000	0.01
0820	0.01	1630	0.01	1725	0.01	2055	0.01
0835	0.01	1640	0.01	1740	0.01	2240	0.01
0850	0.01	1645	0.01	1755	0.01		
MARCH 26, 1981							
1200	0.01	1325	0.02	1445	0.01	1925	0.01
1225	0.01	1340	0.01	1535	0.01	2030	0.01
1300	0.01	1350	0.01	1805	0.01	2105	0.01
1305	0.01	1405	0.01	1835	0.01	2150	0.01
1310	0.01	1415	0.01	1900	0.01	2250	0.01
1315	0.02	1425	0.02				
MARCH 28, 1981							
0050	0.01	0240	0.01	0425	0.01	0725	0.01
0155	0.01	0245	0.01	0655	0.01	0745	0.02
0225	0.01	0415	0.01				
MARCH 29, 1981							
1835	0.01	2025	0.01	2100	0.01	2130	0.01
1840	0.01	2030	0.01	2105	0.01	2135	0.02
1845	0.05	2035	0.02	2110	0.01	2140	0.01
1850	0.04	2045	0.01	2120	0.01	2145	0.01
1855	0.01	2050	0.01	2125	0.01	2150	0.01
1900	0.01						
APRIL 2-3, 1981							
1705	0.01	1950	0.02	2140	0.02	2320	0.01
1710	0.01	1955	0.02	2145	0.01	2325	0.01
1715	0.01	2010	0.02	2150	0.01	2335	0.01
1725	0.02	2025	0.02	2155	0.02	2340	0.01
1800	0.02	2050	0.01	2230	0.01	2355	0.01
1845	0.01	2100	0.01	2235	0.01		
1905	0.02	2105	0.02	2245	0.01	0010	0.01
1915	0.02	2110	0.01	2250	0.01	0040	0.01
1925	0.02	2125	0.02	2255	0.01	0125	0.01
1935	0.02	2130	0.01	2305	0.01		

TABLE 2.--Continued

P-22 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
APRIL, 10, 1981							
2055	0.01	2105	0.01				
APRIL 19, 1981							
0725	0.02	1030	0.01	1110	0.01	1215	0.01
0845	0.01	1045	0.01	1115	0.01	1220	0.01
0850	0.01	1050	0.01	1140	0.01	1250	0.01
1020	0.01	1100	0.01	1205	0.02		
MAY 2, 1981							
1400	0.02	1600	0.02	1615	0.02	1725	0.01
1410	0.01	1605	0.02	1630	0.01	2140	0.01
1500	0.01	1610	0.01				
MAY 3, 1981							
0100	0.01	0215	0.02	0310	0.01	0555	0.01
0110	0.01	0220	0.02	0315	0.02	0600	0.01
0120	0.01	0225	0.02	0320	0.01	0610	0.01
0125	0.02	0230	0.02	0325	0.02	0735	0.01
0130	0.02	0240	0.03	0330	0.02	0955	0.01
0140	0.02	0245	0.03	0340	0.02	1240	0.01
0145	0.01	0250	0.02	0415	0.01	1245	0.03
0155	0.01	0255	0.02	0445	0.01	1250	0.02
0200	0.01	0300	0.03	0510	0.01	1255	0.01
0205	0.02	0305	0.02	0550	0.02	1300	0.01
0210	0.02						
MAY 10-11, 1981							
2250	0.01	2320	0.02	2345	0.08		
2255	0.01	2325	0.02	2350	0.03	0005	0.01
2300	0.01	2330	0.01	2355	0.02	0010	0.02
2305	0.02	2335	0.02	2400	0.01	0030	0.01
2310	0.01	2340	0.04				

TABLE 2.--Continued

P-22 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH--Continued

RAINFALL. IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MAY 15-16, 1981							
0630	0.01	1410	0.01	2350	0.02	0435	0.01
0635	0.03	1415	0.01	2355	0.02	0440	0.01
0640	0.09	1420	0.01	2400	0.01	0450	0.01
0645	0.09	1425	0.02			0505	0.01
0650	0.05	1430	0.01	0005	0.01	0515	0.01
0655	0.03	1435	0.02	0010	0.01	0525	0.01
0700	0.04	1440	0.01	0015	0.02	0540	0.01
0705	0.01	1445	0.01	0020	0.01	0545	0.01
0810	0.01	1450	0.01	0025	0.01	0555	0.01
1100	0.01	1455	0.02	0030	0.01	0605	0.01
1105	0.01	1500	0.02	0035	0.02	0630	0.01
1110	0.01	1505	0.02	0045	0.01	0710	0.01
1115	0.01	1510	0.03	0055	0.01	0715	0.01
1120	0.01	1515	0.02	0100	0.01	0730	0.01
1130	0.01	1520	0.01	0105	0.02	0750	0.01
1235	0.03	2235	0.01	0110	0.01	0755	0.02
1240	0.01	2240	0.01	0115	0.02	0805	0.01
1245	0.01	2245	0.01	0120	0.01	0815	0.01
1300	0.02	2250	0.01	0125	0.02	0825	0.01
1305	0.02	2255	0.01	0135	0.01	0840	0.01
1310	0.01	2300	0.01	0140	0.01	0940	0.01
1315	0.02	2305	0.01	0150	0.01	0950	0.01
1320	0.01	2310	0.02	0205	0.01	0955	0.01
1325	0.01	2315	0.01	0305	0.01	1000	0.01
1330	0.01	2320	0.01	0325	0.01	1005	0.01
1335	0.01	2325	0.01	0355	0.01	1010	0.02
1340	0.01	2330	0.01	0400	0.01	1025	0.01
1345	0.01	2335	0.01	0410	0.01	1030	0.01
1355	0.01	2340	0.01	0415	0.01	1035	0.01
1405	0.01	2345	0.01	0430	0.01	1325	0.01
MAY 20, 1981							
0610	0.01	0855	0.01	1155	0.01	1320	0.01
0620	0.01	0900	0.01	1200	0.01	1325	0.01
0655	0.01	1115	0.01	1205	0.01	1330	0.01
0815	0.01	1125	0.01	1215	0.01	1920	0.01
0825	0.01	1135	0.01	1225	0.01	1945	0.01
0835	0.01	1140	0.01	1255	0.01	2015	0.01
0840	0.01	1145	0.01	1310	0.02	2115	0.02
0850	0.01	1150	0.01	1315	0.01	2120	0.02

TABLE 2.--Continued

P-22 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
MAY 21, 1981							
0125	0.02	0500	0.01	0535	0.02	0610	0.01
0135	0.02	0505	0.01	0540	0.01	0615	0.01
0145	0.02	0510	0.03	0545	0.01	0625	0.01
0200	0.02	0515	0.03	0550	0.01	0635	0.01
0225	0.02	0520	0.04	0555	0.01	0640	0.01
0415	0.02	0525	0.03	0600	0.01	0700	0.01
0450	0.02	0530	0.03	0605	0.01	1705	0.01
0455	0.01						
JUNE 2, 1981							
1835	0.01	1945	0.03	2000	0.02	2020	0.01
1840	0.01	1950	0.03	2005	0.03	2035	0.01
1940	0.01	1955	0.02	2010	0.03		
JUNE 12-13, 1981							
2240	0.01	2300	0.01	2330	0.01	0050	0.01
2245	0.02	2305	0.01	2345	0.01	0105	0.01
2250	0.02	2310	0.01			2215	0.01
2255	0.01	2320	0.01				
JUNE 14, 1981							
0255	0.02	0305	0.01	0850	0.01	1100	0.02
0300	0.02	0430	0.01	0855	0.02	1350	0.01
JULY 2, 1981							
0815	0.01	0825	0.01	0835	0.03		
0820	0.02	0830	0.02				
JULY 10, 1981							
1700	0.01	1705	0.08	1710	0.02		
JULY 26, 1981							
1240	0.02	1250	0.03	1310	0.01	1315	0.01
1245	0.03						

TABLE 2.--Continued

P-22 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
AUGUST 19, 1981							
1500	0.04	1510	0.03	1520	0.02	1645	0.02
1505	0.01	1515	0.01				
AUGUST 21, 1981							
0100	0.04	0110	0.02	0140	0.02	0310	0.02
0105	0.09						
SEPTEMBER 5, 1981							
0330	0.01	1135	0.01	1315	0.23	1335	0.08
0340	0.01	1140	0.02	1320	0.06	1340	0.05
0420	0.02	1145	0.02	1325	0.09	1345	0.01
1025	0.01	1305	0.06	1330	0.09	1435	0.01
1115	0.01	1310	0.21				
SEPTEMBER 6, 1981							
0555	0.01	0705	0.02	0900	0.02	0945	0.02
0615	0.02	0715	0.02	0925	0.02	1005	0.02
0625	0.02	0745	0.02	0935	0.02	2215	0.02
0645	0.02						
SEPTEMBER 24, 1981							
1345	0.07	1350	0.02	1435	0.02		
OCTOBER 3-4, 1981							
0830	0.01	1155	0.01	2325	0.01	0220	0.02
0900	0.01	1225	0.01	2330	0.01	0225	0.01
0910	0.01	1235	0.01			0235	0.01
0915	0.01	1240	0.01	0005	0.01	0240	0.01
0920	0.01	1245	0.01	0015	0.01	0245	0.01
0925	0.01	1250	0.01	0025	0.01	0250	0.01
0935	0.01	1305	0.01	0105	0.01	0255	0.01
0940	0.01	1430	0.01	0115	0.01	0300	0.01
1005	0.01	1455	0.01	0125	0.01	0325	0.01
1015	0.01	2245	0.01	0140	0.01	0535	0.01
1020	0.01	2250	0.01	0145	0.01	0740	0.01
1035	0.01	2255	0.05	0150	0.01	1610	0.01
1040	0.01	2300	0.04	0155	0.01	1620	0.01

TABLE 2.--Continued

P-22 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
OCTOBER 3-4, 1981--CONTINUED							
1045	0.01	2305	0.04	0200	0.01	1800	0.01
1050	0.01	2310	0.03	0205	0.02	1815	0.01
1055	0.02	2315	0.02	0210	0.01	1835	0.01
1100	0.02	2320	0.03	0215	0.01		
OCTOBER 8, 1981							
0005	0.01	0100	0.02	0150	0.01	0340	0.01
0015	0.01	0105	0.04	0155	0.02	0350	0.01
0020	0.01	0110	0.03	0200	0.01	0415	0.01
0025	0.01	0115	0.02	0205	0.02	0420	0.01
0030	0.01	0120	0.03	0210	0.02	0435	0.01
0035	0.02	0125	0.01	0215	0.02	0600	0.01
0040	0.01	0130	0.01	0220	0.01	0730	0.01
0045	0.02	0135	0.02	0225	0.01	0810	0.01
0050	0.01	0140	0.01	0245	0.01	0845	0.01
0055	0.01	0145	0.01	0325	0.01	0915	0.01
OCTOBER 10-11, 1981							
1435	0.04	0155	0.02	0245	0.01	0520	0.01
1440	0.03	0205	0.02	0250	0.01	0605	0.01
1445	0.01	0210	0.04	0310	0.02	0630	0.01
1505	0.01	0215	0.05	0330	0.02	1325	0.01
2145	0.01	0220	0.03	0350	0.01	1330	0.01
2245	0.01	0225	0.04	0400	0.01	1345	0.02
2335	0.01	0230	0.01	0430	0.01	1350	0.01
		0235	0.02	0500	0.01	2140	0.01
0010	0.01	0240	0.02				
OCTOBER 13, 1981							
0715	0.01	1900	0.01	1915	0.01	1930	0.02
1850	0.02	1905	0.02	1920	0.02	1940	0.01
1855	0.01	1910	0.01	1925	0.01	2005	0.01

TABLE 2.--Continued

P-22 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
OCTOBER 16, 1981							
0010	0.01	0250	0.01	0320	0.02	1530	0.01
0105	0.01	0255	0.01	0325	0.01	1545	0.01
0130	0.01	0300	0.02	0330	0.01	1650	0.01
0140	0.01	0305	0.02	0335	0.01	1710	0.01
0150	0.01	0310	0.02	0340	0.01	1740	0.01
0205	0.01	0315	0.02	1515	0.01	1805	0.01
0240	0.01						
OCTOBER 28-29, 1981							
2155	0.01	2325	0.01	0035	0.01	0215	0.01
2220	0.02	2330	0.01	0045	0.01	0230	0.01
2225	0.02	2340	0.01	0115	0.01	0250	0.01
2230	0.01	2345	0.02	0120	0.01	0305	0.01
2235	0.03	2350	0.01	0125	0.03	0310	0.01
2240	0.02	2355	0.01	0130	0.02	0320	0.01
2245	0.03	2400	0.01	0135	0.02	0355	0.01
2250	0.02			0140	0.04	1515	0.01
2255	0.02	0005	0.01	0145	0.03	1525	0.01
2300	0.01	0010	0.01	0150	0.01	1535	0.01
2305	0.01	0015	0.02	0155	0.04	1845	0.01
2310	0.02	0020	0.01	0200	0.01	1905	0.01
2315	0.03	0025	0.02	0205	0.02	2110	0.01
2320	0.03	0030	0.01	0210	0.02		
NOVEMBER 7, 1981							
0105	0.01	0435	0.01	0520	0.02	0540	0.02
0220	0.01	0445	0.01	0525	0.01	0550	0.01
0355	0.01	0500	0.01	0530	0.01	0605	0.01
0405	0.01	0510	0.01	0535	0.02	0625	0.01
0415	0.01						

TABLE 2.--Continued

P-22 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL	TIME	RAINFALL
NOVEMBER 17, 1981							
1915	0.01	1955	0.01	2020	0.01	2040	0.03
1925	0.01	2000	0.01	2025	0.02	2045	0.01
1940	0.01	2005	0.02	2030	0.02	2050	0.01
1945	0.02	2010	0.01	2035	0.03	2055	0.01
1950	0.01	2015	0.02				
NOVEMBER 24-25, 1981							
2125	0.01	0025	0.01	0210	0.04	0430	0.01
2155	0.01	0040	0.01	0255	0.02	0440	0.01
2210	0.01	0045	0.01	0305	0.01	0615	0.01
2335	0.01	0100	0.01	0340	0.01	0935	0.01
		0130	0.03	0345	0.01	0940	0.01
0010	0.01						

TABLE 3.—ATMOSPHERIC-DEPOSITION DATA

(See table 1 for location of all sites except P23, the location of which is given herein)

DUSTFALL DATA

BEGIN DATE	END DATE	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	CHLO- RIDE, DIS- SOLVED (MG/KG AS CL)	NITRO- GEN, NITRATE TOTAL (MG/KG AS N)	NITRO- GEN, NITRITE TOTAL (MG/KG AS N)	NITRO- GEN, AMMONIA TOTAL (MG/KG AS N)	PHOS- PHORUS, ORTHO, TOTAL (MG/KG AS P)	ALUM- INUM, TOTAL (MG/KG AS AL)	ANTI- MONY, TOTAL (UG/KG AS SB)	ARSENIC, TOTAL (UG/KG AS AS)
P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS											
JULY 16, 1981	AUG. 4, 1981	60	22	20,000	5,000	0	3,330	333	11,000	0	16,700
AUG. 4, 1981	SEPT. 1, 1981	95	46	5,260	4,320	0	1,470	947	9,680	10,500	31,600
SEPT. 1, 1981	OCT. 5, 1981	122	53	123,000	4,670	246	1,390	1,480	12,300	8,200	24,600
OCT. 5, 1981	NOV. 3, 1981	35	—	34,300	—	571	3,430	1,140	21,400	28,600	57,100
NOV. 3, 1981	DEC. 1, 1981	41	—	244,000	12,000	732	3,660	1,710	15,600	24,400	48,800
P-12 FORT DOUGLAS											
MAR. 9, 1981	APR. 8, 1981	146	—	—	6,710	69	1,230	479	—	—	—
APR. 8, 1981	MAY 5, 1981	128	40	6,250	5,080	0	1,250	313	9,380	7,810	15,600
MAY 5, 1981	JUNE 2, 1981	72	29	40,300	7,360	0	1,670	556	13,300	0	27,800
JUNE 2, 1981	JULY 7, 1981	149	32	7,380	4,700	0	1,140	872	15,400	0	20,100
JULY 7, 1981	AUG. 4, 1981	32	30	40,600	7,190	0	18,100	17,800	16,900	0	31,300
AUG. 4, 1981	SEPT. 1, 1981	53	22	9,430	5,090	0	2,450	566	17,400	0	37,700
SEPT. 1, 1981	OCT. 5, 1981	93	20	32,300	3,550	215	2,150	1,510	17,200	0	21,500
OCT. 5, 1981	NOV. 3, 1981	20	—	45,000	—	1,000	8,500	9,000	40,000	0	100,000
NOV. 3, 1981	DEC. 1, 1981	26	—	423,000	20,400	769	19,600	15,800	23,100	38,500	38,500
P-15 ADMINISTRATION BUILDING NEAR 1700 SOUTH AND REDWOOD ROAD											
JUNE 24, 1980	AUG. 5, 1980	79	106	—	11,400	0	3,670	3,160	—	—	—
OCT. 7, 1980	NOV. 4, 1980	182	62	—	418	0	258	495	—	—	—
NOV. 4, 1980	JAN. 6, 1981	249	181	—	14,100	40	15,700	361	—	—	—
JAN. 6, 1981	FEB. 3, 1981	198	92	—	10,600	101	8,590	455	—	—	—
FEB. 3, 1981	MAR. 3, 1981	97	113	—	8,450	1,240	9,280	515	—	—	—
MAR. 3, 1981	APR. 9, 1981	236	—	—	4,030	42	1,480	297	—	—	—
APR. 9, 1981	MAY 5, 1981	118	44	11,900	5,000	85	1,690	254	9,320	8,470	33,900
MAY 5, 1981	JUNE 2, 1981	115	54	32,200	4,700	87	1,650	696	11,300	8,700	34,800
JUNE 2, 1981	JULY 7, 1981	170	38	14,700	4,290	0	1,290	647	8,820	11,800	35,300
JULY 7, 1981	AUG. 4, 1981	55	34	25,500	5,820	182	5,270	4,550	16,500	0	18,200
AUG. 4, 1981	SEPT. 1, 1981	77	31	3,900	4,420	0	2,080	390	13,000	13,000	26,000
SEPT. 1, 1981	OCT. 6, 1981	85	29	30,600	5,760	235	2,940	1,760	14,100	11,800	35,300
OCT. 6, 1981	NOV. 3, 1981	17	—	82,400	18,800	1,180	20,600	1,760	47,100	58,800	118,000
NOV. 3, 1981	DEC. 1, 1981	27	—	481,000	14,800	741	12,200	1,850	23,700	37,000	74,100
P-20 DIXIE VALLEY DETENTION BASIN OUTFALL NEAR 3600 WEST AND 6500 SOUTH											
JULY 7, 1981	AUG. 3, 1981	30	23	50,000	11,300	0	9,670	1,670	25,700	0	33,300
AUG. 3, 1981	AUG. 31, 1981	101	50	9,900	4,460	0	2,480	2,570	10,900	0	29,700
AUG. 31, 1981	OCT. 6, 1981	101	30	53,500	5,640	297	3,370	2,770	14,900	0	29,700
OCT. 6, 1981	NOV. 3, 1981	13	—	123,000	—	1,540	23,100	6,920	61,500	0	154,000
NOV. 3, 1981	DEC. 1, 1981	22	—	45,500	18,200	909	15,000	3,640	24,100	45,500	90,900
P-22 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH											
MAY 19, 1981	JULY 7, 1981	168	50	16,700	7,140	0	1,190	774	31,500	5,950	47,600
JULY 7, 1981	AUG. 3, 1981	47	24	17,000	8,090	213	6,380	1,700	27,700	0	21,300
AUG. 3, 1981	SEPT. 1, 1981	60	29	5,000	7,330	0	2,670	500	16,000	0	33,300
SEPT. 1, 1981	OCT. 5, 1981	66	23	97,000	7,580	455	4,550	2,420	15,200	0	30,300
OCT. 5, 1981	NOV. 3, 1981	9	—	122,000	—	2,220	36,700	7,780	77,800	0	111,000
NOV. 3, 1981	DEC. 1, 1981	14	—	50,000	22,900	1,430	25,700	5,710	39,300	71,400	71,400
P-23 SANDY CITY PUBLIC WORKS NEAR 700 WEST AND 8800 SOUTH											
LOCATION.—Lat 40°35'29", long 111°54'31", in NW1/4NW1/4 sec. 1. T.3 S., R.1 W., Salt Lake County.											
MAY 28, 1981	JULY 7, 1981	550	77	7,640	0	0	18	1,070	14,500	9,090	87,300
JULY 7, 1981	AUG. 4, 1981	109	26	5,500	3,210	92	3,390	734	15,600	9,170	18,300
AUG. 4, 1981	SEPT. 1, 1981	96	30	2,080	3,330	0	2,080	938	10,400	10,400	41,700
SEPT. 1, 1981	OCT. 5, 1981	118	42	28,800	3,730	169	2,200	1,690	11,000	8,470	33,900
OCT. 5, 1981	NOV. 3, 1981	13	—	76,900	—	1,540	24,600	1,540	53,800	0	154,000
NOV. 3, 1981	DEC. 1, 1981	15	—	73,300	23,300	1,330	20,700	3,330	30,000	66,700	267,000

DUSTFALL DATA—Continued

BERY- LIUM, TOTAL (UG/KG AS BE)	CADMIUM TOTAL (UG/KG AS CD)	CHRO- MIUM, TOTAL (UG/KG AS CR)	COPPER, TOTAL (MG/KG AS CU)	IRON, TOTAL (MG/KG AS FE)	LEAD, TOTAL (MG/KG AS PB)	MANGA- NESE, TOTAL (MG/KG AS MN)	MERCURY, TOTAL (UG/KG AS HG)	NICKEL, TOTAL (UG/KG AS NI)	SELE- NIUM, TOTAL (UG/KG AS SE)	SILVER, TOTAL (UG/KG AS AG)	ZINC, TOTAL (MG/KG AS ZN)	CARBON, ORGANIC SUS- PENDED AS C)	CYANIDE, TOTAL (MG/KG AS CN)
P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS													
0	0	100,000	333	16,700	1,070	500	0	50,000	0	0	833	11,700	0
0	0	126,000	253	17,900	884	526	0	31,600	0	0	842	14,700	105
0	0	139,000	213	18,000	984	492	820	73,800	0	0	1,150	23,800	82
286,000	28,600	257,000	1,710	37,100	2,260	1,140	2,860	57,100	28,600	114,000	8,570	54,300	286
244,000	24,400	171,000	537	24,400	1,590	244	2,440	48,800	24,400	24,400	1,710	26,800	244
P-12 FORT DOUGLAS													
—	6,850	—	274	—	390	—	—	—	—	—	548	—	—
0	0	46,900	211	12,500	227	547	1,560	46,900	0	0	469	23,400	0
0	13,900	431,000	236	15,300	403	556	1,390	55,600	0	0	417	26,400	0
0	0	141,000	148	16,100	215	604	1,340	26,800	0	6,710	336	14,100	0
0	31,300	125,000	469	24,400	750	938	0	93,800	0	0	1,250	21,900	0
0	0	226,000	245	24,500	491	755	0	18,900	0	0	1,320	13,200	189
0	0	10,800	151	18,300	258	538	0	96,800	0	0	538	12,900	108
500,000	50,000	450,000	750	60,000	1,150	2,000	5,000	100,000	50,000	50,000	3,000	70,000	500
385,000	38,500	154,000	538	35,800	1,000	1,150	3,850	76,900	38,500	38,500	1,920	30,800	385
P-15 ADMINISTRATION BUILDING NEAR 1700 SOUTH AND REDWOOD ROAD													
—	25,300	—	759	—	6,580	—	—	—	—	—	3,290	—	—
—	11,000	—	659	—	1,150	—	—	—	—	—	1,370	—	—
—	8,030	—	723	—	1,410	—	—	—	—	—	1,410	—	—
—	5,050	—	556	—	152	—	—	—	—	—	1,010	—	—
—	10,300	—	825	—	928	—	—	—	—	—	2,370	—	—
—	8,470	—	466	—	847	—	—	—	—	—	847	—	—
0	0	76,300	593	16,900	805	508	4,240	59,300	0	0	1,020	35,600	0
0	8,700	287,000	609	20,000	809	522	1,740	60,900	0	8,700	1,130	11,300	0
0	5,880	176,000	412	15,300	647	471	588	29,400	0	0	882	8,240	0
0	18,200	145,000	636	23,600	1,240	727	1,820	90,900	0	0	1,450	16,400	0
0	0	182,000	351	24,700	844	519	0	39,000	13,000	0	1,040	23,400	130
0	11,800	188,000	494	21,200	906	588	1,180	94,100	82,400	0	1,290	11,800	118
588,000	58,800	529,000	2,290	82,400	4,060	2,350	5,880	58,800	58,800	58,800	5,290	129,000	588
370,000	37,000	222,000	1,220	37,000	2,330	1,110	3,700	222,000	37,000	37,000	2,960	29,600	370
P-20 DIXIE VALLEY DETENTION BASIN OUTFALL NEAR 3600 WEST AND 6500 SOUTH													
0	33,300	233,000	1,030	33,300	833	1,000	6,670	133,000	0	0	1,000	20,000	0
0	9,900	119,000	337	22,800	366	693	0	49,500	0	9,900	396	18,800	99
0	9,900	79,200	446	18,800	485	693	990	59,400	9,900	0	1,780	18,800	99
769,000	76,900	538,000	6,920	76,900	2,620	3,080	7,690	76,900	76,900	231,000	8,460	123,000	769
455,000	45,500	182,000	1,450	27,700	1,140	909	4,550	45,500	45,500	45,500	1,820	27,300	455
P-22 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH													
0	5,950	137,000	357	20,200	1,130	714	595	29,800	0	5,950	1,960	11,300	0
0	21,300	149,000	574	27,700	1,000	851	2,130	63,800	0	0	1,060	—	0
0	0	200,000	267	23,300	667	667	0	50,000	0	0	833	16,700	167
0	15,200	121,000	288	16,700	773	455	0	75,800	0	0	909	15,200	152
111,000	111,000	778,000	2,220	92,200	5,000	3,330	11,100	111,000	111,000	111,000	6,670	178,000	1,110
714,000	71,400	286,000	1,500	34,300	2,710	714	7,140	71,400	71,400	71,400	4,290	35,700	714
P-23 SANDY CITY PUBLIC WORKS NEAR 700 WEST AND 8800 SOUTH													
0	7,270	90,900	491	23,600	1,620	800	182	21,800	7,270	5,450	1,250	—	0
0	9,170	64,200	266	20,200	872	642	917	27,500	0	0	826	5,500	0
0	0	125,000	323	25,000	771	729	0	41,700	0	0	729	17,700	104
0	8,470	50,800	237	18,600	593	593	0	59,300	0	0	847	17,800	85
769,000	76,900	615,000	4,620	84,600	4,000	2,310	7,690	76,900	76,900	76,900	4,620	38,500	769
667,000	66,700	333,000	1,800	—	6,600	—	6,670	66,700	66,700	66,700	—	60,000	667

TABLE 3.—Continued

WET-DEPOSITION DATA												
DATE	TIME	END- ING TIME (2400 HOURS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	NITRO- GEN DIS- SOLVED (MG/L AS N)	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	CALCIUM, DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS												
SEPT. 1981												
05-06	0630	1500	43	3.9	—	3	3.0	1.0	.1	.2	.1	.1
OCT.												
02-04	1440	1100	—	4.6	—	2	.00	.8	.1	.2	.1	.2
07-08	1700	1040	—	5.1	—	1	.00	.4	.1	.3	.1	.1
09-12	1750	800	23	5.8	—	6	.00	1.9	.3	.6	.1	.1
28-30	1230	1010	—	5.1	—	—	—	.6	<.0	.9	—	<.1
NOV.												
24-25	1800	825	22	7.4	—	6	5.0	2.0	.2	1.7	.3	.3
P-12 FORT DOUGLAS												
MAR. 1981												
26-27	1150	1300	—	5.3	1.1	5	—	1.8	.2	1.3	.2	—
MAY												
06-11	1800	730	—	5.5	—	7	.00	2.5	.2	1.3	.2	.3
19-20	1900	2100	—	5.7	—	4	.00	1.3	.1	.9	.2	.3
AUG.												
04-11	1000	1030	55	6.3	—	12	1.0	3.8	.5	1.2	.2	2.3
SEPT.												
05-06	1000	1400	40	3.8	—	2	1.0	.7	.1	.4	.1	.2
OCT.												
02-04	1600	1130	—	4.3	—	—	—	.5	<.0	.3	—	.3
07-08	1730	1120	—	4.7	—	—	—	.9	<.0	.4	—	.1
09-12	1640	1030	26	5.7	—	6	.00	2.0	.3	.7	.1	.1
28-30	1200	1230	—	6.1	—	—	—	.7	<.0	.5	—	<.1
NOV.												
24-25	0850	850	25	6.9	—	7	7.0	2.3	.2	2.3	.4	.3
P-15 ADMINISTRATION BUILDING NEAR 1700 SOUTH AND REDWOOD ROAD												
OCT. 1980												
07-26	0900	900	—	5.4	—	8	—	1.7	.9	6.6	1.0	—
26-26	0915	1830	—	6.3	—	4	—	1.1	.4	3.3	.7	—
NOV.												
17-30	1000	1100	—	5.4	—	3	—	.7	.2	1.3	.4	—
DEC. 1981												
01-31	1000	1100	—	5.4	—	3	—	.7	.2	1.3	.4	—
JAN.												
01-06	1000	1100	—	5.4	—	3	—	.7	.2	1.3	.4	—
16-31	1400	900	—	5.0	—	3	—	.5	.4	1.3	.3	—
FEB.												
01-02	1400	900	—	5.0	—	3	—	.5	.4	1.3	.3	—
MAR.												
26-27	1000	1000	—	6.4	1.3	7	—	2.5	.3	2.2	.4	—
MAY												
07-11	0900	1000	—	5.9	—	5	5.0	1.5	.2	1.3	.3	.4
19-21	2130	1050	—	5.2	—	—	—	.5	<.0	.7	—	.1
SEPT.												
05-05	0500	1630	45	4.1	—	2	.00	.7	.1	.3	.1	.2
OCT.												
02-04	1400	1330	—	4.2	—	2	.00	.6	.0	.4	.1	.1
07-08	1600	1030	—	4.3	—	3	.00	1.0	.1	.7	.2	.1
09-12	1500	830	22	5.6	—	4	.00	1.5	.2	.5	.1	.0
28-30	1430	1100	—	4.8	—	2	2.0	.8	.1	1.1	.3	<.1
NOV.												
24-25	1530	930	35	6.8	—	8	8.0	2.6	.3	3.1	.5	.3
P-20 DIXIE VALLEY DETENTION BASIN OUTFALL NEAR 3600 WEST AND 6500 SOUTH												
MAY 1981												
19-20	2120	1900	—	6.3	—	3	.00	1.2	.1	.8	.2	.2
SEPT.												
05-05	1055	2130	47	4.4	—	—	—	.4	<.0	<.2	—	.1
OCT.												
02-04	1640	945	—	4.4	—	—	—	.2	<.0	.2	—	.2
07-08	1100	1040	—	4.7	—	2	.00	.7	.1	.3	.1	.1
10-12	1100	930	39	5.8	—	10	.00	3.0	.5	1.1	.2	.5
28-30	1530	1440	—	5.2	—	2	2.0	.7	.0	1.1	.4	<.1
NOV.												
24-25	1500	1300	40	7.4	—	10	.00	3.5	.2	3.7	.5	.6

TABLE 3.—Continued

WET-DEPOSITION DATA—Continued												
DATE	ALKA- LINTY LAB (MG/L AS CAO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)
P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS												
SEPT. 1981												
05-06	.00	<5.0	.2	.2	.00	.1	15	—	.50	.030	.520	—
OCT.												
02-04	7.0	<5.0	.5	.0	.00	.2	6	1	.19	.030	.530	—
07-08	3.0	<5.0	.4	.0	.00	.0	3	8	.17	.030	.320	—
09-12	7.0	<5.0	.6	.1	.00	.2	9	11	.50	.040	.910	—
28-30	1.0	<5.0	1.1	.1	.00	.2	8	0	—	<.020	.190	—
NOV.												
24-25	1.0	<5.0	1.5	.1	.00	.2	7	5	1.20	.030	.390	—
P-12 FORT DOUGLAS												
MAR. 1981												
26-27	—	.6	1.7	—	—	—	33	—	.31	.010	.330	—
MAY												
06-11	10	2.5	1.4	.1	.00	<.0	11	1	.21	.010	.520	—
19-20	4.0	.9	3.5	.0	.00	.2	5	11	.27	.000	.740	—
AUG.												
04-11	11	<5.0	3.9	.0	.00	.4	—	1	.32	.000	1.20	—
SEPT.												
05-06	1.0	<5.0	.5	.2	.00	<.0	10	—	.45	.020	.460	—
OCT.												
02-04	7.0	<5.0	.6	.0	.00	.0	3	—	.17	.030	.380	—
07-08	3.0	<5.0	.4	.0	.00	.0	5	1	.20	.030	.310	—
09-12	9.0	<5.0	1.0	.1	.00	.1	9	12	.59	.030	.970	—
28-30	7.0	<5.0	.2	<.1	.00	<.0	7	11	—	<.020	.170	—
NOV.												
24-25	.00	<5.0	1.6	.1	.00	.4	12	1	.27	.020	.370	—
P-15 ADMINISTRATION BUILDING NEAR 1700 SOUTH AND REDWOOD ROAD												
OCT. 1980												
07-26	—	4.6	3.0	—	—	—	11	—	—	—	—	.59
26-26	—	1.3	3.5	—	—	—	12	—	—	—	—	—
NOV.												
17-30	—	5.0	2.3	—	—	—	11	—	—	—	—	.42
DEC. 1981												
01-31	—	5.0	2.3	—	—	—	11	—	—	—	—	.42
JAN.												
01-06	—	5.0	2.3	—	—	—	11	—	—	—	—	.42
16-31	—	2.3	2.0	—	—	—	10	—	—	—	—	.51
FEB.												
01-02	—	2.3	2.0	—	—	—	10	—	—	—	—	.51
MAR.												
26-27	—	1.1	3.0	—	—	—	21	—	.36	.020	.510	—
MAY												
07-11	.00	2.1	1.8	.0	.00	.0	10	9	.23	.000	.540	—
19-21	5.0	.5	2.0	.0	.00	.1	1	—	.12	.000	.450	—
SEPT.												
05-05	4.0	<5.0	.2	.1	.00	<.0	2	—	.38	.020	.530	—
OCT.												
02-04	7.0	5.0	.6	.1	.00	.1	3	12	.18	.030	.510	—
07-08	3.0	<5.0	1.8	.0	.00	<.0	1	—	.15	.030	.310	—
09-12	8.0	<5.0	.6	.1	.00	.0	7	13	.44	.040	.880	—
28-30	.00	<5.0	1.6	<.1	.00	.2	0	9	—	<.020	.220	—
NOV.												
24-25	.00	<5.0	2.6	.1	.00	.6	20	15	.33	.030	.450	—
P-20 DIXIE VALLEY DETENTION BASIN OUTFALL NEAR 3600 WEST AND 6500 SOUTH												
MAY 1981												
19-20	7.0	2.0	1.9	.0	.00	.2	6	12	.28	.000	.470	—
SEPT.												
05-05	6.0	<5.0	.1	.1	.00	<.0	2	—	—	<.020	.380	—
OCT.												
02-04	7.0	<5.0	.5	.0	.00	.0	2	—	.15	.030	.400	—
07-08	2.0	<5.0	.8	.5	.00	.0	6	1	.22	.020	.380	—
10-12	13	<5.0	1.7	.1	.00	.2	9	22	.75	.050	1.50	—
28-30	.00	<5.0	2.0	<.1	.00	.0	6	9	—	<.020	.150	—
NOV.												
24-25	13	<5.0	2.5	.1	.00	.4	19	2	.33	.030	.410	—

TABLE 3.—Continued

WET-DEPOSITION DATA—Continued

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH ₄)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	BORON, DIS- SOLVED (UG/L AS B)	CADMIUM, DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECov- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDEd RECov. (UG/L AS CR)
P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS												
SEPT. 1981												
05-06	.67	—	—	—	—	.030	16	<1	0	<1	—	—
OCT.												
02-04	.68	—	—	—	—	.020	15	1	0	<1	—	—
07-08	.41	—	—	—	—	.070	6	<1	0	<1	—	—
09-12	1.2	—	—	—	—	<.010	12	<1	10	<1	—	—
28-30	.24	—	—	—	—	.030	10	<1	0	<1	—	—
NOV.												
24-25	.50	—	—	—	—	<.020	8	<1	<0	<1	—	—
P-12 FORT DOUGLAS												
MAR. 1981												
26-27	.43	.43	.76	.040	.020	—	—	—	—	<1	10	10
MAY												
06-11	.67	—	—	—	—	.020	20	<1	0	<1	—	—
19-20	.95	—	—	—	—	.050	10	<1	0	<1	—	—
AUG.												
04-11	1.5	—	—	—	—	.460	34	<1	10	1	—	—
SEPT.												
05-06	.59	—	—	—	—	.040	12	<1	0	<1	—	—
OCT.												
02-04	.49	—	—	—	—	.020	10	<1	0	<1	—	—
07-08	.40	—	—	—	—	.040	8	<1	10	<1	—	—
09-12	1.3	—	—	—	—	<.010	13	<1	20	<1	—	—
28-30	.22	—	—	—	—	.010	10	<1	0	<1	—	—
NOV.												
24-25	.48	—	—	—	—	.020	8	<1	10	<1	—	—
P-15 ADMINISTRATION BUILDING NEAR 1700 SOUTH AND REDWOOD ROAD												
OCT. 1980												
07-26	—	—	—	—	—	.000	—	—	—	—	—	—
NOV.												
17-30	—	—	—	—	—	.000	—	—	—	—	—	—
DEC. 1981												
01-31	—	—	—	—	—	.000	—	—	—	—	—	—
JAN.												
01-06	—	—	—	—	—	.000	—	—	—	—	—	—
16-31	—	—	—	—	—	—	—	—	—	<1	—	—
FEB.												
01-02	—	—	—	—	—	—	—	—	—	<1	—	—
MAR.												
26-27	.66	.36	.87	.040	.040	—	—	—	—	<1	20	20
MAY												
07-11	.70	—	—	—	—	.000	90	<1	0	<1	—	—
19-21	.58	—	—	—	—	.050	10	<1	0	<1	—	—
SEPT.												
05-05	.68	—	—	—	—	.020	21	<1	0	<1	—	—
OCT.												
02-04	.66	—	—	—	—	.020	90	1	10	<1	—	—
07-08	.40	—	—	—	—	.040	35	<1	0	2	—	—
09-12	1.1	—	—	—	—	<.010	20	<1	10	<1	—	—
28-30	.28	—	—	—	—	.020	30	<1	0	<1	—	—
NOV.												
24-25	.58	—	—	—	—	.030	13	<1	20	<1	—	—
P-20 DIXIE VALLEY DETENTION BASIN OUTFALL NEAR 3600 WEST AND 6500 SOUTH												
MAY 1981												
19-20	.61	—	—	—	—	.030	20	<1	170	<1	—	—
SEPT.												
05-05	.49	—	—	—	—	.020	9	<1	0	<1	—	—
OCT.												
02-04	.52	—	—	—	—	.020	7	<1	0	<1	—	—
07-08	.49	—	—	—	—	.080	9	<1	0	<1	—	—
10-12	1.9	—	—	—	—	.080	13	<1	30	<1	—	—
28-30	.19	—	—	—	—	.020	11	<1	0	<1	—	—
NOV.												
24-25	.53	—	—	—	—	.100	10	<1	0	<1	—	—

TABLE 3.—Continued

WET-DEPOSITION DATA--Continued									
DATE	CHROMIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOVERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOVERABLE (UG/L AS PB)
P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS									
SEPT. 1981									
05-06	—	<3	—	—	<10	170	24	—	—
OCT.									
02-04	—	<3	—	—	<10	60	<10	—	—
07-08	—	<3	—	—	<10	90	<10	—	—
09-12	—	<3	—	—	<10	380	<10	—	—
28-30	—	<3	—	—	<10	380	<10	—	—
NOV.									
24-25	—	<3	—	—	<10	230	19	—	—
P-12 FORT DOUGLAS									
MAR. 1981									
26-27	0	—	10	3	7	220	20	12	6
MAY									
06-11	—	<3	—	—	<10	560	15	—	—
19-20	—	<3	—	—	<10	150	10	—	—
AUG.									
04-11	—	2	—	—	<10	—	19	—	—
SEPT.									
05-06	—	<3	—	—	10	330	11	—	—
OCT.									
02-04	—	<3	—	—	<10	60	<10	—	—
07-08	—	<3	—	—	<10	140	<10	—	—
09-12	—	<3	—	—	<10	390	<10	—	—
28-30	—	<3	—	—	20	320	<10	—	—
NOV.									
24-25	—	<3	—	—	<10	320	38	—	—
P-15 ADMINISTRATION BUILDING NEAR 1700 SOUTH AND REDWOOD ROAD									
OCT. 1980									
07-26	—	—	—	—	26	—	—	—	—
26-26	—	—	—	—	11	—	—	—	—
NOV.									
17-30	—	—	—	—	8	—	—	—	—
DEC. 1981									
01-31	—	—	—	—	8	—	—	—	—
JAN.									
01-06	—	—	—	—	8	—	—	—	—
16-31	—	—	—	—	12	—	—	—	—
FEB.									
01-02	—	—	—	—	12	—	—	—	—
MAR.									
26-27	0	—	8	4	4	170	10	4	3
MAY									
07-11	—	<3	—	—	<10	240	22	—	—
19-21	—	<3	—	—	<10	60	<10	—	—
SEPT.									
05-05	—	<3	—	—	<10	240	<10	—	—
OCT.									
02-04	—	<3	—	—	<10	140	<10	—	—
07-08	—	<3	—	—	60	110	16	—	—
09-12	—	<3	—	—	<10	300	<10	—	—
28-30	—	<3	—	—	20	290	<10	—	—
NOV.									
24-25	—	<3	—	—	<10	410	62	—	—
P-20 DIXIE VALLEY DETENTION BASIN OUTFALL NEAR 3600 WEST AND 6500 SOUTH									
MAY 1981									
19-20	—	<3	—	—	<10	90	10	—	—
SEPT.									
05-05	—	<3	—	—	<10	1100	<10	—	—
OCT.									
02-04	—	<3	—	—	<10	40	<10	—	—
07-08	—	<3	—	—	<10	50	<10	—	—
10-12	—	<3	—	—	<10	580	<10	—	—
28-30	—	<3	—	—	20	330	<10	—	—
NOV.									
24-25	—	<3	—	—	<10	420	47	—	—

TABLE 3.—Continued

WET-DEPOSITION DATA—Continued

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY DIS- SOLVED (UG/L AS HG)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)
P-10 FIRE STATION NO. 7 AT STATE FAIRGROUNDS								
NOV. 24-25	<10	—	<6.0	—	—	8	1.0	—
SEPT. 1981 05-06	10	—	<6.0	—	—	29	3.1	—
OCT. 02-04	<10	—	<6.0	—	—	16	3.0	—
07-08	<10	—	<6.0	—	—	21	1.3	—
09-12	<10	—	<6.0	—	—	23	3.1	—
28-30	<10	—	<6.0	—	—	30	.8	—
NOV. 24-25	<10	—	<6.0	—	—	21	1.4	—
P-12 FORT DOUGLAS								
MAR. 1981 26-27	6	.0	—	60	0	60	1.3	—
MAY 06-11	<10	—	<6.0	—	—	59	2.4	—
19-20	<10	—	<6.0	—	—	41	2.3	—
AUG. 04-11	<10	—	<6.0	—	—	38	—	—
SEPT. 05-06	<10	—	<6.0	—	—	33	4.7	—
OCT. 02-04	<10	—	<6.0	—	—	19	2.0	—
07-08	<10	—	<6.0	—	—	39	1.7	—
09-12	<10	—	<6.0	—	—	21	3.4	—
28-30	<10	—	<6.0	—	—	36	.6	—
P-15 ADMINISTRATION BUILDING NEAR 1700 SOUTH AND REDWOOD ROAD								
OCT. 1980 07-26	37	—	—	—	—	50	—	.4
26-26	7	—	—	—	—	50	—	.4
NOV. 17-30	25	—	—	—	—	20	—	—
DEC. 1981 01-31	25	—	—	—	—	20	—	—
JAN. 01-06	25	—	—	—	—	20	—	—
16-31	8	—	—	—	—	30	—	—
FEB. 01-02	8	—	—	—	—	30	—	—
MAR. 26-27	1	.0	—	30	20	7	1.7	—
MAY 07-11	<10	—	<6.0	—	—	17	1.6	—
19-21	<10	—	<6.0	—	—	22	1.9	—
SEPT. 05-05	<10	—	<6.0	—	—	25	2.6	—
OCT. 02-04	<10	—	<6.0	—	—	18	9.6	—
07-08	120	—	<6.0	—	—	180	1.8	—
09-12	<10	—	<6.0	—	—	10	2.7	.5
28-30	<10	—	<6.0	—	—	48	.8	—
NOV. 24-25	<10	—	<6.0	—	—	14	1.5	—
P-20 DIXIE VALLEY DETENTION BASIN OUTFALL NEAR 3600 WEST AND 6500 SOUTH								
MAY 1981 19-20	<10	—	<6.0	—	—	27	2.6	—
SEPT. 05-05	<10	—	<6.0	—	—	10	1.8	—
OCT. 02-04	<10	—	<6.0	—	—	12	2.1	—
07-08	<10	—	<6.0	—	—	35	3.2	—
10-12	<10	—	<6.0	—	—	35	—	—
28-30	<10	—	<6.0	—	—	29	.6	—
NOV. 24-25	<10	—	<6.0	—	—	14	2.2	—

TABLE 3.—Continued

WET-DEPOSITION DATA—Continued												
DATE	TIME	END- ING TIME (2400 HOURS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	NITRO- GEN DIS- SOLVED (MG/L AS N)	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
P-22 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH												
MAY 1981												
16-16	0715	1130	36	4.4	—	3	1.0	1.1	.0	.8	.2	.6
19-23	1900	1300	—	7.3	—	4	2.0	1.6	.1	.9	.2	.2
23-31	1120	1020	—	5.6	—	5	.00	1.5	.2	.8	.2	.2
JUNE												
01-03	1120	1020	—	5.6	—	5	.00	1.5	.2	.8	.2	.2
03-13	1520	830	175	7.6	—	88	5.0	27	5.0	8.3	.4	1.4
JULY												
02-27	1330	1540	345	8.4	—	150	53	44	9.5	11	.4	2.5
SEPT.												
05-05	1200	1800	49	5.1	—	2	.00	.9	.0	<.2	—	.1
OCT.												
02-04	1720	1020	—	4.7	—	—	—	.5	<.0	<.2	—	.1
05-08	1050	930	—	4.3	—	3	.00	.8	.2	.4	.1	.1
10-12	0810	825	20	5.5	—	4	.00	1.3	.1	.4	.1	.1
28-29	1800	1550	—	6.0	—	1	.00	.3	.0	.7	.3	<.1
NOV.												
24-25	1800	940	23	6.8	—	7	7.0	2.3	.2	1.9	.3	.2
P-23 SANDY CITY PUBLIC WORKS NEAR 700 WEST AND 8800 SOUTH												
SEPT. 1981												
05-08	1130	1200	30	6.2	—	6	.00	1.9	.3	.5	.1	.0
OCT.												
02-05	1700	730	—	4.7	—	—	—	.3	<.0	<.2	—	.0
07-08	1450	1250	—	4.4	—	—	—	.3	<.0	.3	—	.1
10-12	0840	900	27	5.7	—	5	.00	1.4	.3	.5	.1	.2
28-30	1600	1400	—	5.1	—	1	.00	.4	.0	.7	.3	<.1
NOV.												
24-25	1500	1010	30	7.2	—	11	1.0	3.2	.8	4.7	.6	.4
DATE	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)
P-22 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH												
MAY 1981												
16-16	2.0	4.4	.9	.0	.00	.2	3	11	.36	.010	.780	—
19-23	2.0	.5	2.7	.0	.00	.3	2	9	.24	.000	.520	—
23-31	5.0	5.9	.9	.0	.10	.1	7	16	.56	.010	1.20	—
JUNE												
01-03	5.0	5.9	.9	.0	.10	.1	7	16	.56	.010	1.20	—
03-13	83	27	11	.2	.00	5.2	128	163	.52	.000	.250	—
JULY												
02-27	96	44	18	.2	.00	8.8	194	200	.78	.030	.190	—
SEPT.												
05-05	6.0	<5.0	<.1	.1	.00	<.0	1	2	.36	.030	.460	—
OCT.												
02-04	7.0	<5.0	.3	.1	.00	.1	2	1	.21	.030	.610	—
05-08	3.0	<5.0	.5	.0	.00	.0	4	—	.20	.030	.390	—
10-12	6.0	<5.0	.3	.0	.00	.1	3	12	.58	.030	1.20	—
28-29	1.0	<5.0	.5	.1	.00	.6	9	8	—	<.020	.220	—
NOV.												
24-25	.00	7.0	1.5	.1	.00	.2	5	15	.31	.030	.420	—
P-23 SANDY CITY PUBLIC WORKS NEAR 700 WEST AND 8800 SOUTH												
SEPT. 1981												
05-08	9.0	<5.0	.4	.1	.00	.1	9	2	.43	.050	1.60	—
OCT.												
02-05	7.0	<5.0	.3	.0	.00	.0	2	1	.21	.030	.790	—
07-08	2.0	<5.0	4.0	.0	.00	<.0	4	—	.16	.030	.410	—
10-12	8.0	<5.0	.4	.0	.00	.1	7	15	.71	.040	1.80	—
28-30	1.0	<5.0	1.0	<.1	.00	.8	4	9	—	<.020	.310	—
NOV.												
24-25	10	5.0	3.5	.1	.00	.4	—	24	—	—	—	—

TABLE 3.—Continued

WET-DEPOSITION DATA—Continued

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH ₄)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	BORON, DIS- SOLVED (UG/L AS B)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)
P-22 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH												
MAY 1981												
16-16	1.0	—	—	—	—	.030	10	<1	160	<1	—	—
19-23	.67	—	—	—	—	.010	20	<1	0	<1	—	—
23-31	1.5	—	—	—	—	—	70	<1	160	2	—	—
JUNE												
01-03	1.5	—	—	—	—	—	70	<1	160	2	—	—
03-13	.32	—	—	—	—	.030	100	<1	10	<1	—	—
JULY												
02-27	.24	—	—	—	—	.000	60	<1	20	<1	—	—
SEPT.												
05-05	.59	—	—	—	—	.020	9	<1	0	<1	—	—
OCT.												
02-04	.79	—	—	—	—	.020	11	<1	10	<1	—	—
05-08	.50	—	—	—	—	.040	11	<1	10	4	—	—
10-12	1.5	—	—	—	—	<.010	12	<1	10	<1	—	—
28-29	.28	—	—	—	—	<.010	10	<1	0	<1	—	—
NOV.												
24-25	.54	—	—	—	—	.070	8	<1	<0	<1	—	—

P-23 SANDY CITY PUBLIC WORKS NEAR 700 WEST AND 8800 SOUTH

SEPT. 1981												
05-08	2.1	—	—	—	—	<.010	16	<1	0	<1	—	—
OCT.												
02-05	1.0	—	—	—	—	.020	10	<1	0	<1	—	—
07-08	.53	—	—	—	—	.040	8	<1	0	<1	—	—
10-12	2.3	—	—	—	—	.010	11	<1	10	<1	—	—
28-30	.40	—	—	—	—	.020	11	<1	0	<1	—	—
NOV.												
24-25	—	—	—	—	—	—	17	<1	10	<1	—	—

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)
------	---	--	---	---	--	---	--	---	---

P-22 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH

MAY 1981									
16-16	—	<3	—	—	<10	60	18	—	—
19-23	—	<3	—	—	<10	1200	<10	—	—
23-31	—	<3	—	—	<10	330	10	—	—
JUNE									
01-03	—	<3	—	—	<10	330	10	—	—
03-13	—	<3	—	—	<10	330	<10	—	—
JULY									
02-27	—	<3	—	—	<10	510	<10	—	—
SEPT.									
05-05	—	<3	—	—	<10	130	<10	—	—
OCT.									
02-04	—	<3	—	—	<10	60	<10	—	—
05-08	—	<3	—	—	<10	140	<10	—	—
10-12	—	<3	—	—	<10	330	<10	—	—
28-29	—	<3	—	—	20	270	<10	—	—
NOV.									
24-25	—	<3	—	—	<10	260	16	—	—

P-23 SANDY CITY PUBLIC WORKS NEAR 700 WEST AND 8800 SOUTH

SEPT. 1981									
05-08	—	<3	—	—	<10	340	<10	—	—
OCT.									
02-05	—	<3	—	—	<10	30	<10	—	—
07-08	—	<3	—	—	<10	50	<10	—	—
10-12	—	<3	—	—	<10	510	<10	—	—
28-30	—	<3	—	—	30	260	<10	—	—
NOV.									
24-25	—	<3	—	—	<10	390	38	—	—

TABLE 3.--Continued

WET-DEPOSITION DATA--Continued

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY DIS- SOLVED (UG/L AS HG)	VANA- DIUM. DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)
P-22 BELLS CANYON CONDUIT AT 1000 EAST AND 1100 SOUTH								
MAY 1981								
16-16	<10	--	<6.0	--	--	35	2.7	--
19-23	<10	--	<6.0	--	--	22	1.9	--
23-31	14	--	<6.0	--	--	34	2.0	--
JUNE								
01-03	14	--	<6.0	--	--	34	2.0	--
03-13	11	--	<6.0	--	--	16	4.2	--
JULY								
02-27	13	--	<6.0	--	--	19	7.1	--
SEPT.								
05-05	<10	--	<6.0	--	--	13	1.8	--
OCT.								
02-04	<10	--	<6.0	--	--	16	2.1	--
05-08	10	--	<6.0	--	--	27	1.5	--
10-12	<10	--	<6.0	--	--	23	2.9	.6
28-29	<10	--	<6.0	--	--	62	.8	--
NOV.								
24-25	10	--	<6.0	--	--	9	1.7	--
P-23 SANDY CITY PUBLIC WORKS NEAR 700 WEST AND 88000 SOUTH								
SEPT. 1981								
05-08	<10	--	<6.0	--	--	24	3.2	--
OCT.								
02-05	<10	--	<6.0	--	--	10	3.0	--
07-08	<10	--	<6.0	--	--	20	1.5	--
10-12	<10	--	<6.0	--	--	23	--	--
28-30	<10	--	<6.0	--	--	100	.8	--
NOV.								
24-25	<10	--	<6.0	--	--	14	--	--

TABLE 4.--WATER-DISCHARGE AND WATER-QUALITY DATA AT CONTINUOUS-RECORD SITES

10167000 JORDAN RIVER AT NARROWS, NEAR LEHI, UTAH

LOCATION.--Lat 40°26'38", long 111°55'17", in NW¼SE¼NW¼ sec. 26, T.4 S., R.1 W., Salt Lake County. Hydrologic Unit 16020201, at narrows 5.5 mi (8.8 km) northwest of Lehi and 7.5 mi (12.1 km) downstream from Utah Lake.

DRAINAGE AREA.--3,010 mi² (7,796 km²), including 225 mi² (660 km²) in closed basin in Cedar Valley.

PERIOD OF RECORD.--May to December 1904, July 1913 to current year.

REVISED RECORD.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,469.44 ft (1,362.285 m) National Geodetic Vertical Datum of 1929. Prior to May 16, 1920, non-recording gage and May 16, 1920 to Sept. 30, 1934, water-stage recorder, at outlet of Utah Lake 7.5 mi (12.1 km) upstream at different datum.

REMARKS.--Records good. Figures given herein represent combined flow of Jordan River, Utah and Salt Lake Canal, and East Jordan Canal. In addition to the combined flow indicated below, 23,249 acre-ft (28.7 hm³) of Utah Lake water bypassed the Jordan River Narrows in the Utah Lake Distributing Company Canal. Flow may be regulated by gates and pumps at outlet of Utah Lake, pumps at Pelican Point, and diversion dam at narrows.

COOPERATION.--Records collected by the Jordan River Distribution System, under general supervision of the Geological Survey.

AVERAGE DISCHARGE.--68 years, 366 ft³/s (10.4 m³/s), 265,200 acre-ft/yr (327 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,410 ft³/s (39.9 m³/s) June 10, 1952; no flow at times when gates are closed.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 698 ft³/s (19.8 m³/s) July 11; minimum daily, 91 ft³/s (2.58 m³/s) November 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	362	350	434	506	533	585	606	463	277	657	633	588
2	355	350	465	523	554	578	502	540	265	670	633	583
3	347	362	499	526	571	585	529	564	272	671	617	589
4	327	365	523	526	571	592	557	542	304	673	628	585
5	328	365	443	516	585	589	592	540	310	675	646	564
6	325	371	482	547	557	568	547	527	308	664	661	524
7	325	386	462	568	575	582	540	499	342	660	686	475
8	326	356	478	536	575	582	578	498	359	697	687	444
9	320	374	489	536	571	585	571	494	407	696	684	380
10	303	371	506	533	437	579	533	503	459	683	691	348
11	306	401	506	533	578	561	568	486	496	698	679	334
12	309	374	502	523	575	571	557	478	512	693	653	337
13	294	368	502	529	571	568	519	492	517	676	638	341
14	212	386	506	533	561	564	544	495	515	660	634	339
15	211	383	516	533	571	568	576	463	514	674	635	339
16	356	392	516	533	575	564	563	388	528	669	638	395
17	347	401	509	533	543	509	512	299	521	669	640	446
18	341	395	519	526	575	568	549	222	541	637	636	445
19	341	196	523	536	578	578	581	236	553	627	638	443
20	341	117	529	536	459	582	521	275	584	621	646	442
21	341	91	526	543	526	571	528	277	591	626	596	424
22	318	193	523	543	578	571	508	273	598	635	597	406
23	336	318	523	540	585	564	526	266	602	609	588	411
24	338	317	529	540	613	550	530	267	612	634	569	412
25	344	392	519	536	603	575	529	268	623	634	537	409
26	297	401	533	547	589	536	541	241	629	643	546	373
27	271	422	533	543	582	582	439	215	626	620	551	357
28	319	434	523	557	585	509	449	216	624	653	561	357
29	344	422	536	557	---	554	434	219	627	636	576	329
30	344	434	533	564	---	526	432	217	624	624	574	306
31	347	---	536	512	---	592	---	225	---	644	584	---
TOTAL	9975	10487	15723	16614	15776	17588	15961	11688	14740	20328	19282	12725
MEAN	322	350	507	536	563	567	532	377	491	656	622	424
MAX	362	434	536	568	613	592	606	564	629	698	691	589
MIN	211	91	434	506	437	509	432	215	265	609	537	306
AC-FT	19790	20800	31190	32950	31290	34890	31660	23180	29240	40320	38250	25240

GAL YR 1980 TOTAL 165915 MEAN 453 MAX 791 MIN 11 AC-FT 329100
WTR YR 1981 TOTAL 180887 MEAN 496 MAX 698 MIN 91 AC-FT 358800

TABLE 4.--Continued

10167001 JORDAN RIVER STATION NO. 1 AT NARROWS, NEAR LEHI, UTAH

LOCATION.--Lat 40°26'38", long 111°55'17", in NW¼SE¼NW¼ sec. 26, T.4 S., R.1 W., Salt Lake County, Hydrologic Unit 16020201, at narrows 5.5 mi (8.8 km) northwest of Lehi and 7.5 mi (12.1 km) downstream from Utah Lake.

DRAINAGE AREA.--3,010 mi² (7,796 km²), including 255 mi² (660 km²) in closed basin in Cedar Valley.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,469.44 ft (1,362.285 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow is regulated by gates and pumps at outlet of Utah Lake, pumps at Pelican Point, and diversion dam at narrows.

COOPERATION.--Records collected by the Jordan River Distribution System, under general supervision of the Geological Survey.

AVERAGE DISCHARGE.--46 years, 141 ft³/s (3.993 m³/s), 102,200 acre-ft/yr (126 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 973 ft³/s (27.6 m³/s) May 23, 1952; no flow Jan. 3, 1943.

EXTREMES FOR CURRENT PERIOD.--Water year 1981: Maximum daily discharge, 616 ft³/s (17.4 m³/s) Apr. 1, minimum daily, 25 ft³/s (0.71 m³/s) Oct. 14.

Water year 1982: Maximum daily discharge, 621 ft³/s (17.6 m³/s) Apr. 25, minimum daily, 14 ft³/s (0.396 m³/s) Oct. 13, 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	350	405	503	543	584	616	105	62	158	116	123
2	58	350	479	489	573	579	514	141	60	156	116	122
3	56	352	492	503	567	584	537	153	61	154	118	123
4	38	356	522	499	567	595	562	140	61	152	117	117
5	36	361	443	492	574	588	602	131	61	154	126	97
6	35	364	476	516	554	563	552	129	61	152	140	97
7	34	372	453	519	568	582	548	129	62	150	138	88
8	34	355	472	523	572	582	583	127	60	154	138	83
9	34	361	492	523	582	578	586	127	82	148	137	82
10	34	364	499	523	445	566	533	127	98	129	138	68
11	37	381	499	523	580	567	573	114	108	129	136	59
12	37	355	496	509	578	578	558	108	115	129	119	60
13	29	364	496	519	578	579	528	111	127	127	113	63
14	25	375	496	526	562	567	553	112	125	127	113	63
15	127	372	499	530	571	574	497	102	126	129	113	63
16	344	378	506	533	577	568	498	68	125	127	113	64
17	344	384	503	530	547	515	463	59	125	127	112	64
18	341	375	499	523	577	570	438	61	127	112	112	64
19	341	181	503	540	583	584	467	58	127	102	112	63
20	341	95	509	540	467	590	414	61	131	104	111	65
21	344	65	509	540	521	576	417	61	141	112	102	65
22	325	171	503	547	578	578	392	61	143	118	88	64
23	338	295	503	547	579	565	293	59	150	116	92	64
24	344	295	513	547	610	554	268	59	156	116	95	65
25	344	369	503	543	602	578	250	61	156	116	93	64
26	319	384	509	557	583	523	243	61	158	118	94	65
27	301	387	509	561	580	591	249	61	158	116	95	64
28	330	390	503	578	582	518	149	61	156	118	111	65
29	344	390	516	571	---	584	131	60	158	116	123	41
30	347	393	513	582	---	532	101	59	158	116	122	30
31	347	---	513	543	---	603	---	60	---	118	121	---
TOTAL	6066	9984	15333	16479	15800	17695	13115	2826	3438	4000	3574	2215
MEAN	196	333	495	532	564	571	437	91.2	115	129	115	73.8
MAX	347	393	522	582	610	603	616	153	158	158	140	123
MIN	25	65	405	489	445	515	101	58	60	102	88	30
AC-FT	12030	19800	30410	32690	31340	35100	26010	5610	6820	7930	7090	4390
CAL YR 1980 TOTAL	98242		MEAN 268	MAX 592	MIN 11	AC-FT 194900						
WTR YR 1981 TOTAL	110525		MEAN 303	MAX 616	MIN 25	AC-FT 219200						

TABLE 4.--Continued

10167001 JORDAN RIVER STATION NO.1 AT NARROWS, NEAR LEHI, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	154	216	277	368	482	570	429	446	299	282	94
2	31	154	220	264	380	484	567	441	455	256	227	94
3	31	154	212	244	392	475	588	434	466	259	237	94
4	30	155	224	272	356	494	513	348	435	232	157	94
5	30	158	228	269	339	491	566	308	426	248	135	96
6	30	160	222	220	389	512	488	338	464	293	112	94
7	31	159	225	259	395	515	536	349	467	292	112	94
8	26	161	225	262	395	517	571	347	392	291	113	94
9	18	164	230	266	386	516	562	344	454	289	108	87
10	16	165	232	269	386	516	578	412	450	285	106	79
11	16	168	199	269	407	537	600	456	457	273	106	74
12	15	172	227	277	414	451	577	420	466	273	106	66
13	14	181	220	264	417	529	593	441	472	250	106	51
14	14	159	234	272	419	537	597	458	445	235	106	51
15	123	54	215	303	422	545	470	424	465	235	115	51
16	153	30	230	325	432	562	565	438	464	226	124	52
17	140	26	239	333	440	578	603	433	451	217	124	55
18	136	24	239	333	444	593	523	430	461	212	124	54
19	139	42	244	333	452	562	545	437	449	208	122	55
20	142	191	242	344	457	541	580	470	433	202	122	161
21	132	196	256	356	463	546	582	465	432	199	122	269
22	133	177	220	344	447	541	601	449	422	202	119	269
23	139	190	232	347	437	547	611	428	399	197	104	264
24	126	188	269	350	457	544	614	435	378	193	106	264
25	137	136	254	353	467	549	621	463	364	175	108	274
26	148	210	272	353	472	551	522	475	358	173	104	295
27	152	232	244	350	464	546	550	436	353	173	104	246
28	161	205	249	347	474	584	528	384	361	204	101	205
29	143	200	279	325	---	555	418	453	361	285	94	145
30	134	199	292	365	---	569	521	444	332	311	94	257
31	154	---	287	362	---	597	---	467	---	311	94	---
TOTAL	2725	4564	7377	9507	11771	16566	16760	13056	12778	7498	3894	4078
MEAN	87.9	152	238	307	420	534	559	421	426	242	126	136
MAX	161	232	292	365	474	597	621	475	472	311	282	295
MIN	14	24	199	220	339	451	418	308	332	173	94	51
AC-FT	5410	9050	14630	18860	23350	32860	33240	25900	25350	14870	7720	8090
CAL YR 1981	TOTAL	93808	MEAN 257	MAX 616	MIN 14	AC-FT 186100						
WTR YR 1982	TOTAL	110574	MEAN 303	MAX 621	MIN 14	AC-FT 219300						

TABLE 4.--Continued

10167001 JORDAN RIVER STATION NO. 1 AT NARROWS, NEAR LEHI, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1980 to September 1982.

WATER-QUALITY DATA

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT. 1980									
26...	1418	303	--	--	--	--	--	<1	--
DEC.									
03...	1420	479	13.5	4.0	--	--	--	K117	K100
JAN. 1981									
14...	1545	579	1.5	1.5	12.3	101	--	K4	K10
FEB.									
24...	1535	610	18.0	7.0	12.6	124	K10	K20	K1010
MAR.									
26...	0645	591	10.0	9.0	--	--	--	--	--
26...	1445	369	2.5	9.0	9.4	97	K10	<1	K10
26...	1800	410	1.0	9.0	9.3	96	K30	<1	K10
27...	0907	581	--	7.5	9.6	95	--	--	--
APR.									
28...	1550	159	16.5	15.0	9.1	106	K4	K40	55
MAY									
11...	0030	127	9.0	16.0	--	--	--	--	--
11...	1230	108	--	16.5	8.4	101	K12900	75	187
11...	1415	108	--	16.5	7.7	94	--	--	--
11...	1445	102	--	16.5	7.7	94	--	--	--
19...	2035	59	18.0	17.0	7.9	98	--	--	--
20...	0645	61	10.0	--	7.6	89	--	--	--
20...	0710	61	--	--	--	--	K500	280	870
20...	1415	62	10.5	15.0	8.0	93	K1200	200	590
20...	1600	61	8.0	14.5	7.9	93	K500	310	K1400
JUNE									
04...	0900	61	15.0	17.5	8.1	100	41000	K130	370
23...	0850	150	26.5	23.0	8.5	120	K120000	59	82
JULY									
15...	0915	130	20.5	22.0	7.6	101	--	K120	320
AUG.									
12...	0900	118	20.0	20.5	7.2	94	K140	K67	5600
31...	1400	122	--	--	--	--	--	--	--
SEPT.									
02...	0915	123	23.0	21.5	7.9	104	32	K13	8000
05...	0830	97	--	--	--	--	--	--	--
05...	0850	97	--	--	--	--	>80000	K10	K14800
05...	1720	97	--	--	--	--	1210	230	K1210
OCT.									
20...	1015	142	12.5	10.0	9.8	101	K60	35	760
NOV.									
17...	1015	22	15.0	9.0	4.6	98	K20	0	400
DEC.									
15...	0900	234	6.5	5.0	10.9	101	38	K30	520
JAN. 1982									
26...	0920	367	6.0	1.0	13.9	116	K70	51	470
FEB.									
24...	0915	466	.0	2.5	13.6	115	380	30	3800
APR.									
07...	0930	540	1.5	4.5	11.1	100	K80	28	460
27...	1100	575	18.0	13.0	9.2	102	200	K32	920
MAY									
25...	0815	476	13.0	16.0	8.4	100	K2000	K80	1700
JUNE									
22...	1430	424	26.5	22.5	7.2	103	K150	84	980
JULY									
20...	1030	201	26.5	24.0	6.9	97	K220	120	3500
AUG.									
24...	1400	107	29.0	24.0	6.6	93	K300	48	2400

K Results based on colony count outside the acceptable range (non-ideal colony count).

TABLE 4.--Continued

10167001 JORDAN RIVER STATION NO. 1 AT NARROWS, NEAR LEHI, UTAH--Continued

WATER-QUALITY DATA											
DATE	TIME	END- ING TIME (2400 HOURS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TUR- BID- ITY (FTU)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	ALKA- LITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)
OCT. 1980											
26...	1418	--	1380	8.5	--	30	200	230	220	877	882
DEC.											
03...	1420	--	1190	8.1	--	20	210	210	190	846	823
JAN. 1981											
14...	1545	--	1180	8.0	17	26	--	240	190	858	847
FEB.											
24...	1535	--	1480	8.4	44	24	190	240	200	831	848
MAR.											
26...	0645	--	1440	8.3	31	23	200	320	200	796	--
26-26	1100	1830	1300	8.4	37	22	190	250	210	835	--
APR.											
28...	1550	--	1380	8.2	97	150	210	230	220	889	--
MAY											
11...	0030	--	1370	8.0	10	22	220	240	200	859	--
11-11	0001	0900	1360	7.5	86	33	210	230	200	874	--
19...	2035	--	1380	8.1	63	110	230	250	220	915	--
20-20	0600	2030	1400	8.0	32	18	220	240	220	901	--
JUNE											
04...	0900	--	1150	7.8	49	0	310	190	180	727	--
23...	0850	--	1390	8.1	67	30	200	240	210	881	--
JULY											
15...	0915	--	1500	7.4	77	49	180	250	230	893	--
AUG.											
12...	0900	--	1590	8.3	130	99	170	240	250	893	--
31...	1400	--	--	--	--	--	--	--	--	--	--
SEPT.											
02...	0915	--	1480	8.9	87	130	160	260	240	941	--
05...	0830	--	1440	9.0	150	140	150	260	250	920	--
05-05	1200	1600	1470	8.7	140	<6	170	270	260	937	--
OCT.											
20...	1015	--	1470	8.4	64	64	190	260	220	955	--
NOV.											
17...	1015	--	1040	8.3	12	57	240	250	200	912	--
DEC.											
15...	0900	--	1430	8.5	18	--	--	--	--	--	--
JAN. 1982											
26...	0920	--	1450	8.5	12	--	--	--	--	944	--
FEB.											
24...	0915	--	1330	8.7	23	--	--	--	--	--	--
APR.											
07...	0930	--	1340	8.5	73	--	--	--	--	868	--
27...	1100	--	1300	8.6	71	--	--	--	--	--	--
MAY											
25...	0815	--	750	8.2	58	--	--	--	--	728	115
JUNE											
22...	1430	--	1210	8.4	44	18	207	190	170	771	79
JULY											
20...	1030	--	1230	8.5	67	39	196	200	190	811	96
AUG.											
24...	1400	--	1360	8.5	92	35	180	220	210	890	166

TABLE 4.--Continued

10167001 JORDAN RIVER STATION NO. 1 AT NARROWS, NEAR LEHI, UTAH--Continued

WATER-QUALITY DATA

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)
OCT. 1980										
26...	23	.20	.020	.090	.12	1.30	.30	1.0	.91	1.2
DEC.										
03...	45	.50	.010	.090	.12	1.50	.50	1.0	.91	1.5
JAN. 1981										
14...	51	.31	.010	.280	.36	1.40	.58	.82	.54	1.1
FEB.										
24...	65	.00	.000	.050	.06	1.50	.67	.83	.78	.83
MAR.										
26...	46	.02	.000	.090	.12	1.30	.48	.82	.73	.84
26-26	60	.02	.000	.090	.12	.77	.11	.66	.57	.68
APR.										
28...	138	1.20	.010	.260	.33	1.80	1.0	.77	.51	2.0
MAY										
11...	92	.34	.010	.160	.21	1.30	.00	1.4	1.2	1.8
11-11	88	.32	.010	.160	.21	1.10	.24	.86	.70	1.2
19...	67	.36	.020	.180	.23	1.30	.00	1.3	1.1	1.7
20-20	35	.37	.010	.130	.17	1.30	.20	1.1	.97	1.5
JUNE										
04...	143	.44	.020	.240	.31	1.30	.35	.95	.71	1.4
23...	97	.14	.000	.120	.15	1.90	.99	.91	.79	1.1
JULY										
15...	80	.04	.010	.180	.23	2.20	1.4	.76	.58	.81
AUG.										
12...	79	.00	.000	.090	.12	3.90	2.9	1.0	.91	1.0
31...	--	--	--	--	--	--	--	--	--	--
SEPT.										
02...	13	.05	.000	.140	.18	1.60	.30	1.3	1.2	1.4
05...	8	.08	<.020	.130	.17	3.60	2.6	1.0	.87	--
05-05	130	.08	.020	<.070	.09	3.10	2.3	.76	.69	--
OCT.										
20...	68	.47	.040	.070	.09	1.80	.60	1.2	1.1	1.7
NOV.										
17...	7	.64	.040	.200	.26	1.10	.18	.92	.72	1.6
DEC.										
15...	--	--	--	--	--	--	--	--	--	--
JAN. 1982										
26...	27	--	--	.100	.13	--	--	.80	.70	1.8
FEB.										
24...	--	--	--	--	--	--	--	--	--	--
APR.										
07...	110	--	--	.170	.22	--	--	1.3	1.1	1.9
27...	--	--	--	--	--	--	--	--	--	--
MAY										
25...	--	--	--	.200	.26	--	--	1.0	.80	1.6
JUNE										
22...	--	.30	.020	.110	.14	--	--	.90	.79	1.2
JULY										
20...	--	--	<.020	.060	.08	--	--	1.4	1.3	--
AUG.										
24...	--	--	<.020	.140	.18	2.40	1.5	.90	.76	--

TABLE 4.--Continued

10167001 JORDAN RIVER STATION NO. 1 AT NARROWS, NEAR LEHI, UTAH--Continued

WATER-QUALITY DATA										
DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE- RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT. 1980										
26...	.160	.070	<1	--	--	<10	52	--	--	<10
DEC.										
03...	.100	.020	<1	5	6	<10	<10	7	0	10
JAN. 1981										
14...	.070	.020	1	9	10	<10	<10	18	--	<10
FEB.										
24...	.150	.040	1	11	20	<10	<10	0	--	<10
MAR.										
26...	.130	.020	<1	10	4	4	10	0	0	0
26-26	.130	.020	<1	30	6	2	10	0	0	0
APR.										
28...	.170	.030	<1	10	5	2	20	0	0	0
MAY										
11...	.160	.060	<1	10	6	2	20	8	4	4
11-11	.170	.050	<1	10	5	2	10	15	0	15
19...	.160	.040	<1	20	7	0	10	4	0	4
20-20	.110	.050	<1	20	5	2	<10	2	0	2
JUNE										
04...	.120	.060	<1	10	7	2	20	16	4	12
23...	.120	.030	<1	0	6	2	10	5	5	0
JULY										
15...	.160	.060	<1	30	7	3	<10	2	2	0
AUG.										
12...	.310	.030	<1	10	8	2	16	6	5	1
31...	--	--	0	10	8	4	10	22	19	3
SEPT.										
02...	.280	.030	<1	0	12	5	<10	13	8	5
05...	.390	.030	<1	0	8	4	<10	7	2	5
05-05	.260	.010	<1	10	12	2	12	12	6	6
OCT.										
20...	.060	.030	<1	20	12	5	<10	8	5	3
NOV.										
17...	.040	.020	<1	<10	3	2	<10	2	--	<1
DEC.										
15...	--	--	--	--	--	--	--	--	--	--
JAN. 1982										
26...	.040	.020	<1	--	--	2	--	--	--	--
FEB.										
24...	--	--	--	--	--	--	--	--	--	--
APR.										
07...	.160	.070	<1	--	--	1	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
MAY										
25...	.090	.080	<1	--	--	1	--	--	--	--
JUNE										
22...	.110	.050	<1	10	4	1	4	1	--	<1
JULY										
20...	.130	.010	<1	10	3	2	10	3	--	<1
AUG.										
24...	.210	<.010	<1	10	5	1	<3	4	--	<1

TABLE 4.--Continued

10167001 JORDAN RIVER STATION NO. 1 AT NARROWS, NEAR LEHI, UTAH--Continued

WATER-QUALITY DATA

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT. 1980										
26...	--	--	--	--	--	13	1.5	35	--	--
DEC.										
03...	--	--	--	30	20	7	1.6	5.6	--	--
JAN. 1981										
14...	.2	.2	.0	10	0	10	.6	16	19	30
FEB.										
24...	.1	.1	.0	30	30	4	2.4	7.6	80	132
MAR.										
26...	.2	.1	.1	100	100	4	1.2	9.7	--	--
26-26	.1	.1	.0	50	40	10	1.7	5.8	--	--
APR.										
28...	.3	.3	.0	30	10	20	.9	8.9	256	110
MAY										
11...	.1	.1	.0	30	20	6	2.0	8.5	--	--
11-11	.0	.0	.0	30	20	10	1.8	10	260	--
19...	.1	.1	.0	10	0	10	.6	15	--	--
20-20	.1	.1	.0	10	6	4	.4	16	--	--
JUNE										
04...	.1	.1	.0	20	0	20	.7	23	67	11
23...	.2	.2	.0	160	110	50	1.4	7.6	228	92
JULY										
15...	.1	.1	.0	30	20	10	3.5	6.7	182	64
AUG.										
12...	.0	.0	.0	40	0	54	4.4	7.8	354	113
31...	.0	.0	.0	70	40	30	--	--	--	--
SEPT.										
02...	.0	.0	.0	40	30	8	6.7	8.3	196	65
05...	.0	.0	.0	40	40	5	4.4	8.1	350	92
05-05	.0	.0	.0	40	40	3	7.7	8.4	350	--
OCT.										
20...	.1	.1	.0	40	10	28	2.4	7.9	175	67
NOV.										
17...	.1	--	<.1	10	7	3	.7	27	213	13
DEC.										
15...	--	--	--	--	--	--	--	--	--	--
JAN. 1982										
26...	--	--	--	--	--	30	1.2	--	11	11
FEB.										
24...	--	--	--	--	--	--	--	--	80	101
APR.										
07...	--	--	--	--	--	10	1.3	--	238	347
27...	--	--	--	--	--	--	--	--	--	--
MAY										
25...	--	--	--	--	--	10	1.2	--	230	288
JUNE										
22...	.2	--	<.1	20	20	4	1.2	5.5	162	191
JULY										
20...	.1	--	<.1	20	10	8	>3.9	5.8	217	--
AUG.										
24...	<.1	--	<.1	30	10	18	2.6	6.6	--	--

TABLE 4.--Continued

10167001 JORDAN RIVER STATION NO. 1 AT NARROWS, NEAR LEHI, UTAH--Continued

WATER-QUALITY DATA							
DATE	TIME	END- ING TIME (2400 HOURS)	BOD OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)
FEB. 1981							
24...	1535	--	10	19	.16	.06	--
MAR.							
26...	0645	--	5.6	9.0	.19	.08	10
26-26	1100	1830	6.2	9.0	.25	.11	30
APR.							
28...	1550	--	2.8	5.6	.14	.06	10
MAY.							
11...	0030	--	2.8	5.0	.17	.07	10
11-11	0001	0900	2.2	5.0	.12	.06	10
19...	2035	--	2.6	4.4	.17	.08	20
20-20	0600	2030	2.6	4.6	.18	.08	20
JUNE							
04...	0900	--	1.6	4.6	.08	.04	0
23...	0850	--	3.2	7.6	.11	.04	0
JULY							
15...	0915	--	5.2	14	.10	.04	20
AUG.							
12...	0900	--	10	28	.01	.04	0
31...	1400	--	--	--	--	--	10
SEPT.							
02...	0915	--	8.0	19	.11	.04	0
05...	0830	--	4.4	14	.08	.03	0
05-05	1200	1600	6.6	25	.06	.02	8
OCT.							
20...	1015	--	5.6	11	.16	.06	--
NOV.							
17...	1015	--	2.7	7.2	.10	.04	--
DEC.							
15...	0900	--	13	23	.17	.08	--
JAN. 1982							
26...	0920	--	4.2	8.8	.13	.06	--
FEB.							
24...	0915	--	7.6	12	.20	.08	--
APR.							
07...	0930	--	3.4	6.0	.17	.08	--
27...	1000	--	4.2	--	--	--	--
27...	1100	--	4.0	7.1	.18	.08	--
MAY							
25...	0815	--	3.7	6.2	.18	.08	--
JUNE							
22...	1430	--	2.3	4.1	.16	.08	--
JULY							
20...	1030	--	17	37	.12	.06	--
AUG.							
24...	1400	--	5.2	11	.13	.06	9

TABLE 4.--Continued

10167001 JORDAN RIVER STATION NO. 1 AT NARROWS, NEAR LEHI, UTAH--Continued

WATER-QUALITY DATA												
		CHROMIUM, DIS-SOLVED (UG/L AS CR)	COPPER, SUS-PENDED RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOVERABLE (UG/L AS FE)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)					
DATE												
MAR. 1981												
26...		0	0	570	560	--	--					
26-26		0	4	690	680	--	--					
APR.												
28...		0	3	1700	1700	--	--					
MAY												
11...		0	4	1300	1300	--	--					
11-11		0	3	1400	1400	--	--					
19...		0	7	1200	1200	--	--					
20-20		0	3	630	--	--	--					
JUNE												
04...		13	5	1000	980	6.60	.000					
23...		7	4	860	850	29.6	.000					
JULY												
15...		10	4	1200	--	39.5	.000					
AUG.												
12...		20	6	2600	2600	96.0	<.010					
31...		0	4	1800	1800	--	--					
SEPT.												
02...		3	7	1800	--	16.5	<.010					
05...		3	4	2800	--	--	--					
05-05		2	10	2700	2700	--	--					
OCT.												
20...		<1	7	1300	--	79.6	10.1					
NOV.												
17...		1	1	260	--	10.3	.240					
APR. 1982												
27...		--	--	--	--	--	--					
27...		--	--	--	--	41.0	<.100					
MAY												
25...		--	--	--	--	5.00	<.100					
JUNE												
22...		<1	3	950	950	7.00	<.100					
JULY												
20...		<1	1	1200	1200	92.0	<.100					
AUG.												
24...		1	4	2400	--	14.0	<.100					
DATE	TIME	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)
OCT. 1980												
26...	1418	360	160	--	53	55	160	4.2	15	.7	26	--
DEC.												
03...	1420	370	160	--	59	53	140	3.6	17	.7	23	180
JAN. 1981												
14...	1545	360	160	--	57	52	150	4.0	13	.8	21	220
FEB.												
24...	1535	350	160	--	54	52	150	4.0	13	.6	23	500
AUG.												
12...	0900	340	--	170	41	57	--	--	--	--	--	--
31...	1400	350	--	--	41	59	--	--	--	--	--	--
OCT.												
20...	1015	380	--	190	60	57	170	4.3	--	--	--	--
NOV.												
17...	1015	440	--	200	79	58	150	3.5	--	--	--	--
JUNE 1982												
22...	1430	330	--	120	57	45	130	3.5	12	--	--	--
JULY												
20...	1030	320	--	130	50	48	140	3.9	15	--	--	--
AUG.												
24...	1400	340	--	160	49	53	150	4.1	--	--	--	--

TABLE 4.--Continued

10167001 JORDAN RIVER STATION NO. 1 AT NARROWS, NEAR LEHI, UTAH--Continued

WATER-QUALITY DATA

DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE D RECOV- ERABLE (UG/L AS CD)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT. 1980												
26...	100	<1	--	--	--	<3	150	1	<10	--	1100	7.0
DEC.												
03...	100	<1	0	--	3	<3	140	2	<10	0	1100	<6.0
JAN. 1981												
14...	90	<1	0	0	0	<3	140	3	16	0	1100	<6.0
FEB.												
24...	80	<1	0	0	0	<3	140	2	15	0	1100	4.0
AUG.												
12...	--	--	--	--	--	--	--	--	--	--	--	--
31...	100	--	0	0	1	0	--	0	--	1	--	--
NOV.												
17...	80	--	<1	--	--	--	--	--	--	<1	--	--
JUNE 1982												
22...	85	--	1	--	--	--	--	--	--	<1	--	--
JULY												
20...	82	--	<1	--	--	--	--	--	--	<1	--	--
AUG.												
24...	93	--	<1	--	--	--	--	--	--	1	--	--
DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE D TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE D RECOV- ERABLE (UG/L AS BA)	BERYL- LIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	BORON, DIS- SOLVED (UG/L AS B)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)
AUG. 1981												
31...	1400	20	0	20	6	200	100	<1	340	1	3	7
NOV.												
17...	1015	11	--	--	--	100	20	--	280	--	--	--
JUNE 1982												
22...	1430	9	--	--	--	<100	--	--	240	--	--	--
JULY												
20...	1030	12	--	--	--	<100	--	--	280	--	--	--
AUG.												
24...	1400	15	--	--	6	<100	--	<1	310	1	2	10
DATE	TIME	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE D RECOV. (UG/L AS MN)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE D RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE D TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	SILVER, SUS- PENDE D RECOV- ERABLE (UG/L AS AG)
AUG. 1981												
31...	30	60	60	.02	6	6	0	1	0	1	0	1
NOV.												
17...	--	--	--	--	--	--	--	2	0	2	--	--
JUNE 1982												
22...	--	--	--	--	--	--	--	1	0	1	--	--
JULY												
20...	--	--	--	--	--	--	--	<1	--	<1	--	--
AUG.												
24...	40	--	--	.03	--	--	--	1	0	1	<1	--
DATE	TIME	SILVER, DIS- SOLVED (UG/L AS AG)	SILVER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS AG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)
AUG. 1981												
31...	0	--	--	35	.00	.00	--	.00	320	.00	.0	.00
NOV.												
17...	<1	--	--	--	<.01	--	1	--	--	--	--	--
JUNE 1982												
22...	<1	--	--	--	<.01	--	<1	--	--	--	--	--
JULY												
20...	<1	--	--	--	<.01	--	<1	--	--	--	--	--
AUG.												
24...	<1	<1	47	<.01	--	2	--	--	230	--	<.1	--

TABLE 4.--Continued

10167001 JORDAN RIVER STATION NO. 1 AT NARROWS, NEAR LEHI, UTAH--Continued

WATER-QUALITY DATA

	CHLOR-DANE, TOTAL IN BOT- TOM MA- TERIAL	DDD, TOTAL IN BOT- TOM MA- TERIAL	DDE, TOTAL IN BOT- TOM MA- TERIAL	DDT, TOTAL IN BOT- TOM MA- TERIAL	DI-ELDRIN, TOTAL IN BOT- TOM MA- TERIAL	ENDO-SULFAN, TOTAL IN BOT- TOM MA- TERIAL	DATE	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)
AUG. 1981	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
31... AUG. 1982	<1.0	--	<.1	--	<.1	--	<.1	--	<.1	--	<.1	--	<.1	--	<.1
	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL	HEPTA-CHLOR, TOTAL IN BOT- TOM MA- TERIAL	HEPTA-EPOXIDE TOT. IN BOT-TOM MA-MATL.	LINDANE EPOCHIDE TOT. IN BOT-TOM MA-MATL.	METH-OXY-CHLOR, TOT. IN BOTTOM MATL.	MIREX, TOTAL IN BOT- TOM MA- TERIAL	TOX-A-PHENE,	DATE	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)
AUG. 1981	.00	.0	.00	.0	.00	.0	.0	.00	.0	.00	.0	.00	.0	.00	.0
31... AUG. 1982	--	<.1	--	<.1	--	<.1	80	--	<.1	--	<.1	--	<.1	--	--
	TOXA-PHENE, TOTAL IN BOT- TOM MA- TERIAL	2,4-D, TOTAL IN BOT- TOM MA- TERIAL	2,4-DP, TOTAL IN BOT- TOM MA- TERIAL	2,4-DP, TOTAL IN BOT- TOM MA- TERIAL	2,4-DP, TOTAL IN BOT- TOM MA- TERIAL	PER-THANE TOTAL IN BOT- TOM MA- TERIAL	SILVEX, TOTAL IN BOT- TOM MA- TERIAL	DATE	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)
AUG. 1981	.0	.02	.0	.00	.0	.00	.0	.00	.00	.00	.00	.00	.00	.00	.0
31... NOV. 17...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 1982	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
22... JULY 20...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG. 24...	<10	--	<.1	--	<.1	--	<.1	--	<1.00	--	<.1	--	<.1	--	<.1
	PHYTO-PLANKTON, TOTAL CELLS PER ML	BENZENE TOTAL	BROMOFORM TOTAL	CARBON-TETRA-CHLO-RIDE TOTAL	CHLORO-BENZENE TOTAL	CHLORO-DI-BROMO-METHANE TOTAL	CHLORO-ETHANE TOTAL	CHLORO-FORMO-METHANE TOTAL	DI-CHLORO-BROMO-METHANE TOTAL	DATE	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
JUNE 1982	1430	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	22... AUG. 24...	1400	99000	--	<1.0	<1.0
	DI-CHLORO-DI-FLUORO-METHANE TOTAL	ETHYL-BENZENE TOTAL	METHYL-BROMIDE TOTAL	METHYL-ENE CHLO-RIDE TOTAL	TETRA-CHLORO-ETHYLENE TOTAL	TOLUENE TOTAL	TRI-CHLORO-ETHYLENE TOTAL	TRI-CHLORO-FLOURINE TOTAL	VINYLL-CHLO-RIDE TOTAL	1,1-DI-CHLORO-ETHYLENE TOTAL	DATE	(UG/L)	(UG/L)	(UG/L)	(UG/L)
JUNE 1982	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	22... AUG. 24...	<1.0	<1.0	<1.0	<1.0
	1,1-DI-CHLORO-ETHANE TOTAL	1,1,1-TRI-CHLORO-ETHANE TOTAL	1,1,2-TRI-CHLORO-ETHANE TOTAL	1,1,2,2-TETRA-CHLORO-ETHANE TOTAL	1,2-DI-CHLORO-ETHANE TOTAL	1,2-DI-CHLORO-PROPANE TOTAL	1,3-DI-CHLORO-PROPENE TOTAL	CHLORO-ETHYLENE TOTAL	2-CHLORO-ETHYL-VINYLL ETHER TOTAL	DATE	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
JUNE 1982	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	22... AUG. 24...	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 4.--Continued

10167001 JORDAN RIVER STATION NO. 1 AT NARROWS, NEAR LEHI, UTAH--Continued

		WATER-QUALITY DATA			
DATE	TIME	SED. TOTAL, FALL DIAM.	SED. TOTAL, FALL DIAM.	SED. TOTAL, FALL DIAM.	SED. TOTAL, FALL DIAM.
		% FINER THAN .002 MM	% FINER THAN .004 MM	% FINER THAN .016 MM	% FINER THAN .062 MM
APR. 1982					
27...	1100	41	67	83	99
MAY					
25...	0815	67	74	84	96
JUNE					
22...	1430	66	71	80	95
JULY					
20...	1030	53	67	81	90
AUG.					
24...	1400	4	7	11	13

10167001 JORDAN RIVER STATION NO. 1 AT NARROWS, NEAR LEHI, UTAH--Continued

PHYTOPLANKTON ANALYSES

DATE	AUG 24, 82
TIME	1400
TOTAL CELLS/ML	99000
DIVERSITY: DIVISION	0.2
.CLASS	0.2
..ORDER	1.2
...FAMILY	1.2
....GENUS	1.4

ORGANISM	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)		
.BACILLARIOPHYCEAE		
..ACHNANTHALES		
...ACHNANTHACEAE		
....COCCONEIS	*	0
..BACILLARIALES		
...NITZSCHIAEAE		
....NITZSCHIA	*	0
..EPITHEMIALES		
...EPITHEMIAEAE		
....EPITHEMIA	*	0
..EUPODISCALES		
...COSCINODISCACEAE		
....MELOSIRA	*	0
..FRAGILARIALES		
...FRAGILARIAEAE		
....DIATOMA	*	0
..NAVICULALES		
...CYMBELLACEAE		
....AMPHORA	*	0
..SURIRELLALES		
...SURIRELLACEAE		
....SURIRELLA	*	0
CHLOROPHYTA (GREEN ALGAE)		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....OOCYSTIS	*	0
...SCENEDESMACEAE		
....SCENEDESMUS	*	0
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	*	0
CHRYSOPHYTA		
.XANTHOPHYCEAE		
..MISCHOCOCCALES		
...SCIADACEAE		
....OPHIOCYTIUM	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)		
.CYANOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
....ANACYSTIS	40000#	40
..NOSTOCALES		
...NOSTOCACEAE		
....ANABAENA	53000#	54
....APHANIZOMENON	3600	4
PYRRHOPHYTA (FIRE ALGAE)		
.DINOPHYCEAE		
..DINOKONTAE		
...CERATIAEAE		
....CERATIUM	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

TABLE 4.--Continued

10167100 EAST JORDAN CANAL AT JORDAN NARROWS, NEAR BLUFFDALE, UTAH

LOCATION.--Lat 40°26'44", long 111°55'15", in NW¼SE¼NE¼ sec. 26, T.4 S., R.1 W., Salt Lake County, Hydrologic Unit 16020204, about 1,100 ft (335 m) below head, at narrows, 3 mi (5 km) south of Bluffdale, and 7.5 mi (12.1 km) downstream from Utah Lake.

PERIOD OF RECORD.--October 1979 to September 1981. Records beginning in 1901 are in annual reports of Jordan River Water Commissioners.

GAGE.--Water-stage recorder. Datum of gage is 4,480.16 ft (1,365.553 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow is regulated by diversion dam at narrows.

COOPERATION.--Records furnished by the Jordan River Distribution System.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 297 ft³/s (8.41 m³/s) Aug. 16, 1980; no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	153	16	10	.00	.00	.00	.00	149	100	232	268	255
2	152	16	.00	.00	.00	.00	.00	174	96	245	267	251
3	150	16	.00	.00	.00	.00	.00	182	98	249	268	255
4	149	16	.00	.00	.00	.00	.00	180	99	250	264	256
5	148	16	.00	.00	.00	.00	.00	182	132	251	263	254
6	148	16	.00	.00	.00	.00	.00	180	130	246	266	246
7	148	16	.00	.00	.00	.00	.00	179	134	246	282	237
8	147	16	.00	.00	.00	.00	.00	177	146	268	285	226
9	138	15	.00	.00	.00	.00	.00	177	158	272	283	180
10	125	15	.00	.00	.00	.00	.00	180	176	278	287	171
11	125	15	.00	.00	.00	.00	.00	179	177	286	279	172
12	126	15	.00	.00	.00	.00	.00	178	177	283	270	169
13	99	15	.00	.00	.00	.00	.00	181	175	278	268	169
14	40	15	.00	.00	.00	.00	.00	179	174	277	266	168
15	23	15	.00	.00	.00	.00	.00	158	174	283	269	168
16	16	15	.00	.00	.00	.00	.00	117	180	282	267	204
17	16	15	.00	.00	.00	.00	.50	38	178	282	268	225
18	16	15	.00	.00	.00	.00	.73	7.2	188	277	266	222
19	16	15	.00	.00	.00	.00	1.1	54	193	270	268	221
20	16	23	.00	.00	.00	.00	43	91	199	269	267	221
21	16	28	.00	.00	.00	.00	.53	91	198	267	270	205
22	16	24	.00	.00	.00	.00	.85	84	201	268	267	191
23	16	26	.00	.00	.00	.00	86	82	199	249	255	196
24	16	26	.00	.00	.00	.00	99	84	199	267	251	198
25	16	26	.00	.00	.00	.00	99	84	200	266	242	194
26	16	27	.00	.00	.00	.00	103	59	201	275	245	163
27	16	27	.00	.00	.00	.00	94	28	201	262	250	149
28	16	27	.00	.00	.00	.00	97	32	200	276	248	147
29	16	27	.00	.00	---	.00	111	33	203	268	253	147
30	16	27	.00	.00	---	.00	129	32	208	263	251	145
31	16	---	.00	.00	---	.00	---	43	---	273	251	---
TOTAL	2127	581	10.00	.00	.00	.00	864.71	3594.2	5094	8258	8204	6005
MEAN	68.6	19.4	.32	.000	.000	.000	28.8	116	170	266	265	200
MAX	153	28	10	.00	.00	.00	129	182	208	286	287	256
MIN	16	15	.00	.00	.00	.00	.00	7.2	96	232	242	145
AC-FT	4220	1150	20	.00	.00	.00	1720	7130	10100	16380	16270	11910
CAL YR 1980	TOTAL	32826.00	MEAN	89.7	MAX	297	MIN	.00	AC-FT	65110		
WTR YR 1981	TOTAL	34737.91	MEAN	95.2	MAX	287	MIN	.00	AC-FT	68900		

TABLE 4.--Continued

10167105 EAST JORDAN CANAL AT LITTLE COTTONWOOD CREEK, NEAR SANDY, UTAH (upstream station)

LOCATION.--Lat 40°37'18", long 111°51'23", in SW¼NE¼NE¼ sec. 29, T.2 S., R.1 E., Salt Lake County. Hydrologic Unit 16020204, on left bank 150 ft (46 m) upstream from diversion to Little Cottonwood Creek, 500 ft (152 m) upstream from 1300 East Street and 11 mi (18 km) southeast of Salt Lake City, Utah.

PERIOD OF RECORD.--January 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 4,450 ft (1,356 m) from topographic map.

REMARKS.--Records fair. Flow is regulated except for storm drains that dump into channel. Many diversions for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 148 ft³/s (4.19 m³/s) Aug. 26, 1980, gage height, 4.16 ft (1.268 m); no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 100 ft³/s (2.83 m³/s) Oct. 13; maximum gage height, 4.01 ft (1.222 m) Aug. 25; minimum discharge, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	.00	5.8	.00	.00	.00	.00	12	38	21	49	55
2	81	.00	1.4	.00	.00	.00	.17	14	25	25	50	54
3	76	.00	.00	.00	.00	.26	2.6	32	26	29	49	54
4	77	.00	.00	.00	.00	.00	.00	32	17	31	48	54
5	78	.00	1.6	.00	.00	.00	.00	41	34	26	47	52
6	72	.00	.43	.00	.00	.00	.00	40	27	28	43	53
7	73	.00	.00	.00	.00	.00	.65	33	26	34	51	52
8	69	.00	.00	.00	.00	.00	1.0	38	13	39	51	54
9	73	.00	.00	.00	.00	.00	1.1	43	10	44	53	57
10	69	.00	.00	.00	.00	.00	.75	39	22	46	55	55
11	68	.00	.00	.00	.00	.00	.00	44	24	51	51	56
12	73	2.5	.00	.00	.00	.00	.00	42	21	49	57	58
13	81	1.8	.00	.00	.00	.00	.00	43	26	47	55	56
14	69	.30	.00	.00	.00	.00	.00	49	24	45	56	57
15	22	.00	.00	.00	.00	.00	.79	49	26	43	58	58
16	5.7	.38	.00	.00	.00	.00	.17	38	18	44	51	59
17	1.9	.05	.00	.00	.00	.00	.54	15	13	42	58	58
18	.70	.00	.00	.00	.00	.00	.04	5.9	9.0	39	57	55
19	.26	.00	.00	.00	.00	.02	.11	1.6	4.0	46	53	54
20	.07	.00	.00	.00	.00	.56	4.4	22	4.4	45	56	55
21	.00	1.9	.00	.00	.00	.45	6.3	32	10	46	60	56
22	.00	4.2	.00	.00	.00	.00	.04	29	7.4	47	60	57
23	.00	2.3	.00	.00	.00	.00	.37	24	5.6	45	55	58
24	.00	5.5	.00	.00	.00	.00	3.8	39	1.2	45	56	56
25	.00	4.7	.00	.00	.00	.00	4.8	40	2.5	46	55	56
26	.00	4.2	.00	.00	.34	.87	34	48	1.7	49	51	57
27	.00	4.5	.00	.00	.79	2.3	37	26	6.9	46	55	60
28	.00	5.4	.00	.00	.00	.00	36	22	8.8	49	60	50
29	.00	5.5	.00	.00	---	.00	26	23	13	47	57	51
30	.00	5.7	.00	.00	---	4.7	25	23	14	47	55	51
31	.00	---	.00	.00	---	.28	---	26	---	48	56	---
TOTAL	1065.63	48.93	9.23	.00	1.13	9.44	185.63	965.5	478.5	1289	1668	1658
MEAN	34.4	1.63	.30	.000	.040	.30	6.19	31.1	16.0	41.6	53.8	55.3
MAX	81	5.7	5.8	.00	.79	4.7	37	49	38	51	60	60
MIN	.00	.00	.00	.00	.00	.00	.00	1.6	1.2	21	43	50
AC-FT	2110	97	18	.00	2.2	19	368	1920	949	2560	3310	3290

WTR YR 1981 TOTAL 7378.99 MEAN 20.2 MAX 81 MIN .00 AC-FT 14640

TABLE 4.--Continued

10167106 EAST JORDAN CANAL AT LITTLE COTTONWOOD CREEK, NEAR SANDY, UTAH (downstream station)

LOCATION.--Lat 40°37'20", long 111°51'19", in NW¼NE¼NE¼ sec. 29, T.2 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on left bank 150 ft (46 m) upstream from 1300 East Street, 200 ft (61 m) downstream from diversion to Little Cottonwood Creek, 350 ft (107 m) downstream from upstream station 10167105, and 11 mi (18 km) southeast of Salt Lake City.

PERIOD OF RECORD.--January 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 4,450 ft (1,356 m) from topographic map.

REMARKS.--Records fair. Flow is regulated by various gates and diversions upstream and downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 49 ft³/s (1.39 m³/s) Aug. 25, 1981; maximum gage height, 3.55 ft (1.082 m) Aug. 26, 1980; minimum discharge, no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 49 ft³/s (1.39 m³/s) Aug. 25, gage height, 3.36 ft (1.024 m); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	.00	.00	.00	.00	.00	.00	.00	.00	4.0	41	40
2	38	.00	.00	.00	.00	.00	.00	.00	.00	13	41	39
3	36	.00	.00	.00	.00	.00	.00	.00	.00	17	41	39
4	36	.00	.00	.00	.00	.00	.00	.00	.00	19	40	39
5	36	.00	.00	.00	.00	.00	.00	.00	.00	18	40	37
6	33	.00	.00	.00	.00	.00	.00	.00	.00	28	37	38
7	34	.00	.00	.00	.00	.00	.00	.00	.00	32	42	37
8	31	.00	.00	.00	.00	.00	.00	.00	.00	36	42	38
9	34	.00	.00	.00	.00	.00	.00	.00	.00	38	43	39
10	31	.00	.00	.00	.00	.00	.00	.00	.00	40	44	38
11	31	.00	.00	.00	.00	.00	.00	.00	.00	42	42	39
12	34	.00	.00	.00	.00	.00	.00	.00	.00	41	45	39
13	33	.00	.00	.00	.00	.00	.00	.00	.00	40	43	38
14	22	.00	.00	.00	.00	.00	.00	.00	.00	39	44	39
15	2.3	.00	.00	.00	.00	.00	.00	.00	.00	38	44	39
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	38	41	39
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	37	44	39
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	35	43	37
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	39	41	37
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	39	43	36
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	39	45	37
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	40	44	38
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	39	42	38
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	38	42	37
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	39	41	36
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	41	39	37
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	39	41	37
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	41	43	32
29	.00	.00	.00	.00	---	.00	.00	.00	.00	39	42	33
30	.00	.00	.00	.00	---	.00	.00	.00	.12	40	41	33
31	.00	---	.00	.00	---	.00	---	.00	---	40	41	---
TOTAL	466.30	.00	.00	.00	.00	.00	.00	.00	.12	1068.0	1302	1124
MEAN	15.0	.000	.000	.000	.000	.000	.000	.000	.004	34.5	42.0	37.5
MAX	38	.00	.00	.00	.00	.00	.00	.00	.12	42	45	40
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.0	37	32
AC-FT	925	.00	.00	.00	.00	.00	.00	.00	.2	2120	2580	2230
CAL YR 1980	TOTAL	3458.59	MEAN	9.45	MAX	44	MIN	.00	AC-FT	6860		
WTR YR 1981	TOTAL	3960.42	MEAN	10.9	MAX	45	MIN	.00	AC-FT	7860		

TABLE 4.--Continued

10167115 EAST JORDAN CANAL AT PUMPHOUSE, AT 6200 SOUTH, NEAR MURRAY, UTAH

LOCATION.--Lat 40°38'19", long 111°49'54", in NW1/4NW1/4NW1/4 sec. 22, T.2 S., R. 1 E., Salt Lake County, Hydrologic Unit 16020204, at 6200 South Street, 1300 ft (395 m) east of intersection of 2000 East and 6200 South and 3 mi (5 km) east of Murray.

PERIOD OF RECORD.--September 1981.

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	ALKA- LITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
SEPT. 1981										
05...	0620	--	37	1470	8.6	98	160	250	240	631
05-05	1300	1830	--	1280	8.4	110	160	230	220	791
DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)
SEPT. 1981										
05...	26	.00	.110	2.50	3.2	4.60	3.3	1.3	.00	1.4
05-05	200	.12	.020	<.070	.09	3.60	--	<.22	--	--
DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	
SEPT. 1981										
05...	.340	.030	<1	10	11	--	--	<10	19	
05-05	.380	.040	<1	10	26	24	2	<10	58	
DATE	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	
SEPT. 1981										
05...	--	--	50	40	6	>4.0	8.3	258	26	
05-05	56	2	90	80	9	3.8	9.6	332	--	
DATE	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C	CHRO- MIUM, SUS- PENDED RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
SEPT. 1981										
05...	7.8	21	.10	.04	7	3	1700	.1	.1	.0
05-05	6.4	37	.04	.02	9	1	5500	.1	.1	.0

TABLE 4.--Continued

10167122 UPPER CANAL AT 5800 SOUTH, NEAR MURRAY, UTAH

LOCATION.--Lat 40°38'46", long 111°48'25", in SE¼SE¼NW¼ sec. 14, T.2 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on left bank 20 ft (6 m) upstream from 5800 South Street (Tolcate Lane) bridge and 4 mi (6 km) east of Murray.

PERIOD OF RECORD.--January 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 4,610 ft (1,405 m) from topographic map.

REMARKS.--Records good except those below 2 ft³/s (0.057 m³/s), which are poor. Flow is regulated by headgates at Big Cottonwood Creek and pumping station upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37 ft³/s (1.05 m³/s) July 16, 1980; maximum gage height, 1.65 ft (0.503 m) July 3, 1981; minimum discharge, no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30 ft³/s (0.85 m³/s) July 3, gage height, 1.65 ft (0.503 m); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	.00	.00	.00	.00	.00	.00	17	9.8	14	17	15
2	13	.00	.00	.00	.00	.00	.00	18	12	16	16	16
3	13	.00	.00	.00	.00	.00	.00	11	7.7	16	15	16
4	13	.00	.00	.00	.00	.00	.00	7.7	11	9.8	16	15
5	12	.00	.00	.00	.00	.00	.00	6.9	17	8.1	17	15
6	11	.00	.00	.00	.00	.00	.00	9.8	18	5.6	18	15
7	10	.00	.00	.00	.00	.00	.00	11	18	8.7	18	14
8	10	.00	.00	.00	.00	.00	.00	15	14	14	17	14
9	10	.00	.00	.00	.00	.00	.00	12	13	16	16	15
10	9.3	.00	.00	.00	.00	.00	.00	12	14	17	17	16
11	8.3	.00	.00	.00	.00	.00	.00	18	15	22	17	16
12	7.1	.00	.00	.00	.00	.00	.00	14	16	17	18	16
13	6.9	.00	.00	.00	.00	.00	.00	12	21	15	18	16
14	6.1	.00	.00	.00	.00	.00	.00	9.1	20	15	18	15
15	1.1	.00	.00	.00	.00	.00	.00	20	17	15	17	14
16	.00	.00	.00	.00	.00	.00	.00	17	13	15	16	16
17	.00	.00	.00	.00	.00	.00	.00	16	13	15	16	16
18	.00	.00	.00	.00	.00	.00	.00	16	19	13	16	15
19	.00	.00	.00	.00	.00	.00	.00	17	20	18	17	15
20	.00	.00	.00	.00	.00	.00	.00	17	21	18	20	14
21	.00	.00	.00	.00	.00	.00	.00	15	20	17	19	14
22	.00	.00	.00	.00	.00	.00	.00	17	14	17	17	14
23	.00	.00	.00	.00	.00	.00	.00	18	14	18	16	14
24	.00	.00	.00	.00	.00	.00	1.4	16	19	18	16	14
25	.00	.00	.00	.00	.00	.00	8.2	14	19	18	16	14
26	.00	.00	.00	.00	.00	.00	7.4	15	19	20	16	14
27	.00	.00	.00	.00	.00	.00	12	16	18	18	16	13
28	.00	.00	.00	.00	.00	.00	15	17	18	18	16	13
29	.00	.00	.00	.00	---	.00	10	16	15	19	15	12
30	.00	.00	.00	.00	---	.00	13	17	15	18	14	15
31	.00	---	.00	.00	---	.00	---	13	---	18	14	---
TOTAL	143.80	.00	.00	.00	.00	.00	67.00	450.5	480.5	487.2	515	441
MEAN	4.64	.000	.000	.000	.000	.000	2.23	14.5	16.0	15.7	16.6	14.7
MAX	13	.00	.00	.00	.00	.00	15	20	21	22	20	16
MIN	.00	.00	.00	.00	.00	.00	.00	6.9	7.7	5.6	14	12
AC-FT	285	.00	.00	.00	.00	.00	133	894	953	966	1020	875

CAL YR 1980 TOTAL 2701.29 MEAN 7.38 MAX 27 MIN .00 AC-FT 5360
WTR YR 1981 TOTAL 2585.00 MEAN 7.08 MAX 22 MIN .00 AC-FT 5130

TABLE 4.--Continued

10167125 UPPER CANAL AT WILDE ROSE LANE, NEAR SALT LAKE CITY, UTAH

LOCATION.--Lat 40°41'22", long 111°49'54", in NW¼NW¼SW¼ sec. 34, T.1 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on left bank 500 ft (152 m) upstream from Siggard and 2000 East intersection, 1,200 ft (366 m) downstream from 3900 South Street, 1,700 ft (518 m) upstream from station 10167127, 1,900 ft (579 m) upstream from Mill Creek, and 6.5 mi (10.5 km) southeast of Salt Lake City.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 4,540 ft (1,384 m) from topographic map.

REMARKS.--Records fair. Flow regulated except for storm drains that dump into channel. Many diversions upstream for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42 ft³/s (1.19 m³/s) July 2, 1981, gage height, 2.52 ft (0.768 m); no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 42 ft³/s (1.19 m³/s) July 2, gage height, 2.52 ft (0.768 m); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	.00	.60	.00	.04	.00	.00	.00	6.9	17	7.1	7.2
2	10	.00	.03	.00	.16	.00	.41	.36	11	9.0	7.8	9.2
3	13	.00	.70	.00	.03	.83	.39	2.6	6.3	6.3	6.0	7.2
4	11	.00	.68	.31	.00	.00	.00	1.3	6.6	6.4	6.5	8.0
5	8.7	.00	2.5	.04	.00	.00	.00	.82	11	2.1	9.2	12
6	6.6	.00	.10	.00	.00	.00	.00	2.2	10	.72	11	8.5
7	8.0	.00	.00	.00	.00	.00	.00	4.0	11	4.2	10	9.0
8	9.0	.00	.00	.00	.00	.00	.00	11	11	7.4	7.0	10
9	11	.00	.00	.00	.00	.00	.00	8.2	9.3	7.8	6.1	11
10	8.4	.00	.00	.00	.00	.00	.00	9.5	10	9.0	5.2	12
11	6.2	.00	.00	.00	.00	.00	.25	10	8.9	8.0	7.6	12
12	5.7	.00	.00	.00	.00	.00	.00	11	8.9	6.6	9.2	11
13	6.3	.00	.00	.00	.00	.00	.00	10	11	7.2	9.3	10
14	6.2	.00	.00	.00	.00	.00	.00	5.6	13	5.6	8.6	10
15	5.3	.00	.00	.00	.00	.00	.00	12	13	6.0	8.3	9.9
16	1.1	.00	.00	.00	.00	.42	.00	11	10	5.4	8.6	9.7
17	.00	.00	.00	.00	.00	.03	.00	10	10	6.6	7.3	10
18	.00	.00	.00	.00	.00	.00	.00	9.8	10	4.8	7.7	10
19	.00	.00	.00	.00	.00	.00	.26	10	9.7	4.5	9.5	8.8
20	.00	.00	.00	.00	.00	.40	.12	9.6	10	7.6	10	9.5
21	.00	.00	.06	.00	.00	.00	.00	10	7.2	8.2	8.7	9.0
22	.00	.00	.36	.00	.00	.00	.00	8.5	7.2	8.2	10	9.3
23	.08	.00	.00	.00	.00	.00	.00	11	7.2	7.9	11	9.3
24	.16	.00	.00	.00	.00	.00	.03	11	11	8.6	11	9.8
25	.00	.00	.00	.00	.00	.00	.15	10	13	8.6	8.7	11
26	.43	.00	.00	.00	2.2	.89	.00	9.8	15	10	9.4	11
27	.03	.00	.00	.00	1.1	1.0	.14	10	14	9.2	9.9	8.6
28	.00	.00	.00	.00	.00	.10	.10	10	17	9.6	9.4	8.0
29	.00	.00	.00	.00	---	.22	.02	10	15	10	7.6	7.3
30	.00	1.2	.00	.72	---	.97	.00	10	7.2	9.8	8.4	8.7
31	.00	---	.00	.00	---	.00	---	9.2	---	10	8.4	---
TOTAL	130.20	1.20	5.03	1.07	3.53	4.86	1.87	248.48	311.4	232.32	264.5	287.0
MEAN	4.20	.040	.16	.035	.13	.16	.062	8.02	10.4	7.49	8.53	9.57
MAX	13	1.2	2.5	.72	2.2	1.0	.41	12	17	17	11	12
MIN	.00	.00	.00	.00	.00	.00	.00	.00	6.3	.72	5.2	7.2
AC-FT	258	2.4	10.0	2.1	7.0	9.6	3.7	493	618	461	525	569

WTR YR 1981 TOTAL 1491.46 MEAN 4.09 MAX 17 MIN .00 AC-FT 2960

TABLE 4.--Continued

10167125 UPPER CANAL AT WILDE ROSE LANE, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1980 to September 1981.

WATER-QUALITY DATA

								OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	ALKA- LINEITY LAB (MG/L AS CACO3)
DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)				
OCT. 1980											
26...	1240	--	1.2	500	8.1	4.5	6.5	32	2100	K10000	150
26...	1500	--	1.6	--	--	--	--	--	--	--	--
26...	1820	--	1.5	180	8.1	6.5	8.5	110	K16000	K16000	55
MAR. 1981											
26-26	1300	1930	--	150	7.4	--	--	44	--	--	32
MAY											
10-11	2200	0600	--	180	7.6	--	--	36	--	--	58
11...	1220	--	8.9	--	7.9	--	--	6	--	--	41
20...	0820	--	6.1	155	7.4	--	--	26	--	--	49
20...	0830	--	9.7	--	--	--	--	--	--	--	--
20-20	1000	2000	--	175	7.1	--	--	24	--	--	47
SEPT.											
05...	1220	--	11	1420	8.3	--	--	110	--	--	180
05-05	1305	1700	--	890	7.5	--	--	160	--	--	150
	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT. 1980											
26...	83	19	315	299	14	.95	.050	.070	.09	1.30	.65
26...	--	--	--	--	--	--	--	--	--	--	--
26...	22	13	117	110	28	--	--	--	--	--	--
MAR. 1981											
26-26	14	12	118	--	84	.50	.030	.230	.30	1.50	.56
MAY											
10-11	20	12	97	--	111	.30	.010	.090	.12	1.00	.50
11...	28	19	123	--	18	.18	.010	.100	.13	.60	.18
20...	19	4.9	93	--	36	.26	.020	.140	.18	.77	.46
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	17	12	105	--	157	.20	.000	.090	.12	1.10	.36
SEPT.											
05...	260	250	922	--	123	.10	.020	<.070	.09	1.00	.18
05-05	130	150	545	--	338	.40	.030	<.070	.09	4.00	2.9
DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
OCT. 1980											
26...	.65	.58	1.7	.260	.070	2	7	10	0	17	43
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	.420	--	<1	6	15	0	32	110
MAR. 1981											
26-26	.94	.71	1.5	.330	.100	<1	20	28	20	8	100
MAY											
10-11	.50	.41	.81	.230	.050	<1	10	16	12	4	60
11...	.42	.32	.61	.060	.040	<1	10	8	6	2	70
20...	.31	.17	.59	.110	.030	<1	10	13	5	8	60
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	.74	.65	.94	.140	.040	<1	10	12	8	4	80
SEPT.											
05...	.82	--	.94	.320	.020	<1	20	15	13	2	14
05-05	1.1	--	1.5	.780	.090	<1	10	60	56	4	78

K Results based on colony count outside the acceptable range (non-ideal colony count).

TABLE 4.--Continued

10167125 UPPER CANAL AT WILDE ROSE LANE, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

		LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	SUS- PENDE D RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	SUS- PENDE D RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE D TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, DIS- SUS- PENDE D (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE D (T/DAY)		
OCT. 1980													
26...		18	--	<10	70	6	64	1.5	9.9	--	--		
26...		--	--	--	--	--	--	--	--	50	.22		
26...		45	19	26	50	0	51	--	24	--	--		
MAR. 1981													
26-26		100	98	2	180	160	20	1.4	7.9	--	--		
MAY													
10-11		38	23	15	60	40	20	2.1	8.6	165	--		
11...		8	4	4	20	0	30	.7	3.8	--	--		
20...		16	8	8	60	30	30	--	5.6	--	--		
20...		--	--	--	--	--	--	--	--	--	--		
20-20		21	17	4	30	10	20	.5	4.7	--	--		
SEPT.													
05...		18	10	8	50	30	19	4.4	8.7	280	8.3		
05-05		270	260	6	320	310	15	8.6	15	614	--		
DATE		TIME	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	
OCT. 1980													
26...		1240	220	65	53	20	16	.5	4.8	.3	7.5	350	
26...		1820	62	7	18	4.0	11	.6	3.8	.2	4.8	370	
DATE		TIME	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE D RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT. 1980													
26...		70	<1	1	0	<3	13	17	<10	0	530	<6.0	
26...		50	<1	1	--	<3	5	18	<10	0	110	<6.0	
DATE		TIME	END- ING TIME (2400 HOURS)	TUR- BID- ITY (FTU)	BOD OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C					
MAR. 1981													
26-26		1300	1930	--	7.4	17	.12	.06					
MAY													
10-11		2200	0600	59	3.4	10	.08	.04					
11...		1220	--	--	1.8	3.6	.13	.06					
20...		0820	--	24	4.2	7.0	.19	.08					
20-20		1000	2000	28	2.8	4.2	.22	.10					
SEPT.													
05...		1220	--	--	--	--	--	--					
05-05		1305	1700	--	12	95	.02	.02					
DATE		TIME	CHRO- MIUM, SUS- PENDE D RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE D RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE D RECOV- ERABLE (UG/L AS HG)					
MAR. 1981													
26-26		20	0	3000	2900	.0	.0	.1					
MAY													
10-11		10	0	3100	3000	.0	.0	.0					
11...		10	0	780	710	.1	.1	.0					
20...		10	0	1300	1200	.2	.2	.0					
20-20		10	0	1600	1500	.1	.1	.0					
SEPT.													
05...		17	3	2700	2700	.0	.0	.0					
05-05		8	2	9700	9600	.2	.2	.0					

TABLE 4.--Continued

10167127 UPPER CANAL AT MILL CREEK, NEAR SALT LAKE CITY, UTAH (upstream station)

LOCATION.--Lat 40°41'42", long 111°49'58", in SW¼NW¼NW¼ sec. 34, T.1 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on left bank 200 ft (61 m) upstream from Mill Creek along 2000 East Street, and 6 mi (10 km) southeast of Salt Lake City.

PERIOD OF RECORD.--April 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 4,530 ft (1,381 m) from topographic map.

REMARKS.--Records good. Flow is regulated. Many diversions for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20 ft³/s (0.57 m³/s) May 15, 1981, gage height, 2.62 ft (0.799 m); no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 20 ft³/s (0.57 m³/s) May 15, gage height, 2.62 ft (0.799 m); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	.00	.00	.00	.00	.00	.00	.00	6.3	5.7	6.3	5.0
2	7.5	.00	.00	.00	.00	.00	.00	.01	9.9	8.4	6.2	5.7
3	8.7	.00	.00	.00	.00	.57	.00	.08	6.3	5.2	4.7	5.0
4	7.4	.00	.00	.00	.00	.00	.00	.09	6.3	2.7	5.5	5.7
5	7.0	.00	.73	.00	.00	.00	.00	.67	9.6	1.5	7.5	9.3
6	5.8	.00	.00	.00	.00	.00	.00	1.8	9.5	.44	8.4	7.7
7	7.1	.00	.00	.00	.00	.00	.00	3.8	11	3.8	8.2	7.0
8	7.2	.00	.00	.00	.00	.00	.00	10	9.2	7.2	5.5	8.0
9	8.6	.00	.00	.00	.00	.00	.00	7.2	8.4	7.4	5.6	8.6
10	6.2	.00	.00	.00	.00	.00	.00	9.1	8.6	8.4	4.4	9.5
11	5.5	.00	.00	.00	.00	.00	.00	9.8	7.4	7.4	5.2	10
12	4.7	.00	.00	.00	.00	.00	.00	10	7.5	6.1	6.4	9.8
13	4.9	.00	.00	.00	.00	.00	.00	9.3	8.8	6.6	6.7	9.0
14	5.7	.00	.00	.00	.00	.00	.00	4.1	11	5.1	6.1	8.8
15	4.2	.00	.00	.00	.00	.00	.00	9.3	9.6	5.6	6.2	8.7
16	1.8	.00	.00	.00	.00	.57	.00	1.0	8.6	4.6	6.4	8.8
17	.03	.00	.00	.00	.00	.00	.00	1.2	8.8	6.2	5.6	9.3
18	.00	.00	.00	.00	.00	.00	.00	7.5	9.3	4.4	6.2	9.2
19	.00	.00	.00	.00	.00	.00	.18	6.3	9.0	4.5	8.0	8.1
20	.00	.00	.00	.00	.00	.00	.09	6.2	8.8	7.6	8.2	8.0
21	.00	.00	.00	.00	.00	.00	.00	5.0	6.8	7.8	7.5	8.2
22	.00	.00	.00	.00	.00	.00	.00	.86	6.8	8.2	7.7	9.0
23	.13	.40	.00	.00	.00	.00	.00	5.2	7.0	7.7	7.7	9.2
24	.13	.23	.00	.00	.00	.00	.00	7.1	7.5	8.6	7.5	9.3
25	.03	.19	.00	.00	.00	.00	.00	6.6	7.4	8.6	6.1	10
26	.13	.00	.00	.00	1.1	.03	.00	6.7	8.4	9.6	6.4	10
27	.13	.00	.00	.00	.48	.01	.00	7.1	7.8	8.4	7.0	8.6
28	.00	.00	.00	.00	.00	.00	.00	7.5	7.0	8.7	6.7	8.0
29	.00	.00	.00	.00	---	.04	.00	7.0	6.4	9.3	5.6	7.2
30	.00	.48	.00	.73	---	.00	.00	7.7	4.4	7.8	6.4	8.6
31	.00	---	.00	.00	---	.00	---	7.2	---	8.0	6.0	---
TOTAL	101.58	1.30	.73	.73	1.58	1.22	.27	165.41	243.4	201.54	201.9	249.3
MEAN	3.28	.043	.024	.024	.056	.039	.009	5.34	8.11	6.50	6.51	8.31
MAX	8.7	.48	.73	.73	1.1	.57	.18	10	11	9.6	8.4	10
MIN	.00	.00	.00	.00	.00	.00	.00	.00	4.4	.44	4.4	5.0
AC-FT	201	2.6	1.4	1.4	3.1	2.4	.5	328	483	400	400	494

WTR YR 1981 TOTAL 1168.96 MEAN 3.20 MAX 11 MIN .00 AC-FT 2320

TABLE 4.--Continued

10167128 UPPER CANAL AT MILL CREEK, NEAR SALT LAKE CITY, UTAH (downstream station)

LOCATION.--Lat 40°41'45", long 111°49'59", in NW¼NW¼NW¼ sec. 34, T. 1 S., R. 1 E., Salt Lake County, Hydrologic Unit 16020204, on right bank 6 ft (2 m) downstream from culvert at intersection of 2000 East and 3475 South, 200 ft (61 m) north of Mill Creek, and 6 mi (10 km) southeast of Salt Lake City.

PERIOD OF RECORD.--April 1980 to September 1981.

GAGE.--Nonrecording gage. Altitude of gage is 4,525 ft (1,379 m) from topographic map.

REMARKS.--Records good. Staff gage generally read weekly. Flow is regulated.

EXTREMES FOR PERIOD OF RECORD.--Maximum observed discharge, 4.1 ft³/s (0.12 m³/s) July 12, 1980, Aug. 28, 1980, gage height, 1.56 ft (0.475 m); minimum observed, no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum observed discharge, 3.3 ft³/s (0.09 m³/s) Sept. 30, gage height, 1.45 ft (0.442 m); minimum observed, no flow many days.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, OCTOBER 1980 TO SEPTEMBER 1981

DATE	GAGE HEIGHT	DISCHARGE	DATE	GAGE HEIGHT	DISCHARGE
OCT. 2	1.20	2.4	MAY 5	0.92	0.53
8	1.32	3.2	8	--	0
15	--	0	11	--	0
22	--	0	12	.86	.39
30	--	0	21	--	0
			28	.46	.01
NOV. 5	--	0			
12	--	0	JUNE 3	.54	.05
19	--	0	10	1.38	2.8
26	--	0	17	.89	.46
			24	1.09	1.1
DEC. 3	--	0			
10	--	0	JULY 1	1.17	1.4
17	--	0	2	1.23	1.8
19	--	0	8	1.09	1.1
24	--	0	15	1.20	1.6
31	--	0	22	1.23	1.8
			29	1.17	1.4
JAN. 9	--	0			
14	--	0	AUG. 5	1.33	2.5
21	--	0	12	1.14	1.3
28	--	0	19	1.28	2.1
			26	1.32	2.4
FEB. 4	--	0	27	1.30	2.3
11	--	0			
18	--	0	SEPT. 2	1.25	1.9
25	--	0	9	1.19	1.5
			16	1.16	1.4
MAR. 4	--	0	23	1.38	2.8
11	--	0	24	1.44	3.2
18	--	0	30	1.45	3.3
24	--	0			
APR. 1	--	0			
8	--	0			
16	--	0			
23	--	0			
29	--	0			

TABLE 4.--Continued

10167130 EAST JORDAN CANAL AT MIDDLE FORK OF TANNER DITCH, NEAR MURRAY, UTAH

LOCATION.--Lat 40°38'29", long 111°49'52", in NE¼SW¼SW¼ sec. 15, T.2 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on left bank 100 ft (30 m) downstream from flume, about 1,000 ft (305 m) downstream from 6200 South Street, 1,100 ft (335 m) below pumphouse, and 10 mi (16 km) southeast of Salt Lake City.

PERIOD OF RECORD.--January 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 4,445 ft (1,355 m) from topographic map.

REMARKS.--Records good. Flow is regulated by various gates and diversions upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17 ft³/s (0.48 m³/s) July 24, 1980, gage height, 2.79 ft (0.850 m); no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15 ft³/s (0.42 m³/s) Oct. 13, gage height, 2.62 ft (0.799 m); maximum gage height, 2.71 ft (0.826 m) July 18; minimum discharge, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	.00	.00	.00	.00	.00	.00	.44	.37	.56	6.7	9.4
2	9.2	.00	.00	.00	.00	.00	.00	1.8	.84	2.6	7.1	9.1
3	7.7	.00	.00	.00	.00	.00	.00	2.9	.07	5.2	6.9	9.1
4	7.6	.00	.00	.00	.00	.00	.00	2.1	.15	6.6	6.1	9.7
5	9.0	.00	.00	.00	.00	.00	.00	.20	.34	6.0	6.0	8.6
6	7.5	.00	.00	.00	.00	.00	.00	.79	.27	6.5	2.2	9.1
7	8.1	.00	.00	.00	.00	.00	.00	.94	.29	2.8	5.9	9.3
8	5.8	.00	.00	.00	.00	.00	.00	.71	.46	1.3	8.0	9.3
9	8.4	.00	.00	.00	.00	.00	.00	.42	.24	2.3	8.8	8.6
10	8.4	.00	.00	.00	.00	.00	.00	.08	.49	5.0	9.6	8.7
11	9.0	.00	.00	.00	.00	.00	.00	.11	1.0	6.5	7.8	9.6
12	9.9	.00	.00	.00	.00	.12	.00	.19	5.1	7.3	10	9.9
13	10	.00	.00	.00	.00	.00	.00	.14	2.6	6.8	10	7.8
14	5.1	.00	.00	.00	.00	.00	.00	.22	.58	6.9	10	9.0
15	.00	.00	.00	.00	.00	.00	.00	1.2	3.7	6.2	10	9.4
16	.00	.00	.00	.00	.00	.00	.00	.84	5.2	5.8	8.3	9.7
17	.00	.00	.00	.00	.00	.00	.07	.52	2.5	6.6	10	9.5
18	.00	.00	.00	.00	.00	.00	.19	.51	3.5	6.4	10	8.5
19	.00	.00	.00	.00	.00	.00	.40	.49	2.1	4.4	9.4	8.1
20	.00	.00	.00	.00	.00	.00	.38	.47	1.1	6.0	9.2	8.2
21	.00	.00	.00	.00	.00	.00	.28	.60	4.8	6.2	11	8.2
22	.00	.00	.00	.00	.00	.00	.33	.18	2.6	7.1	11	9.0
23	.00	.00	.00	.00	.00	.00	.13	.44	.26	6.6	9.6	9.8
24	.00	.00	.00	.00	.00	.00	.48	.71	.13	5.8	9.9	9.6
25	.00	.00	.00	.00	.00	.00	.25	1.3	.71	5.0	9.1	9.5
26	.00	.00	.00	.00	.00	.00	.09	1.4	.48	6.6	8.7	8.6
27	.00	.00	.00	.00	.00	.00	.12	.21	2.0	6.2	9.5	8.7
28	.00	.00	.00	.00	.00	.00	.46	.25	2.0	6.6	10	4.6
29	.00	.00	.00	.00	---	.00	.64	.25	1.0	5.6	9.8	6.0
30	.00	.00	.00	.00	---	.00	.22	1.7	.20	5.5	9.4	7.0
31	.00	---	.00	.00	---	.00	---	1.1	---	6.7	10	---
TOTAL	113.40	.00	.00	.00	.00	.12	4.04	23.21	45.08	169.66	270.0	261.6
MEAN	3.66	.000	.000	.000	.000	.004	.13	.75	1.50	5.47	8.71	8.72
MAX	10	.00	.00	.00	.00	.12	.64	2.9	5.2	7.3	11	9.9
MIN	.00	.00	.00	.00	.00	.00	.00	.08	.07	.56	2.2	4.6
AC-FT	225	.00	.00	.00	.00	.2	8.0	46	89	337	536	519

WTR YR 1981 TOTAL 887.11 MEAN 2.43 MAX 11 MIN .00 AC-FT 1760

TABLE 4.--Continued

10167141 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK, AT MURRAY, UTAH (upstream station)

LOCATION.--Lat 40°37'56", long 111°51'46", in SW¼SW¼NE¼ sec. 20, T.2 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on left bank 30 ft (9 m) upstream from flume and diversion to Little Cottonwood Creek, 200 ft (61 m) north of 6600 South Street, 230 ft (70 m) upstream from gage 10167142, and 10 mi (16 km) southeast of Salt Lake City.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 4,395 ft (1,340 m) from topographic map.

REMARKS.--Records good except periods of missing record, when diversion gate was partly open, and when discharge was less than 2.0 ft³/s (0.057 m³/s), which are poor. Flow is regulated except for storm drains that dump into channel. Many diversions for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48 ft³/s (1.36 m³/s), July 11, 12, 14, 16, 1981; maximum gage height, 4.03 ft (1.228 m) Aug. 12, 1981; no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 48 ft³/s (1.36 m³/s), July 11, 12, 14, 16; maximum gage height, 4.03 ft (1.228 m) Aug. 12; no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	1.8	1.8	.00	.35	.23	1.8	30	20	39	33	37
2	4.6	1.8	1.6	.00	.35	.18	1.9	26	23	39	31	39
3	5.1	1.8	1.4	.00	.18	.42	2.5	33	18	32	32	36
4	4.7	1.8	1.3	.00	.12	.49	1.7	31	19	21	42	38
5	5.2	1.7	2.2	.02	.12	.35	1.5	31	18	26	38	35
6	5.9	1.7	1.4	.00	.06	.18	1.4	35	17	41	39	32
7	6.0	2.0	.63	.00	.00	.17	13	37	15	41	41	33
8	6.8	2.2	.35	.06	.00	.15	19	35	18	41	43	42
9	7.1	2.0	.15	.00	.00	.09	20	23	15	41	43	40
10	7.2	1.9	.03	.00	.00	.04	20	23	17	43	39	40
11	7.1	1.8	.00	.00	.00	.00	20	23	29	46	44	37
12	4.0	2.5	.00	.00	.00	.00	19	27	36	46	43	38
13	4.7	2.7	.00	.00	.00	.54	19	35	18	46	35	40
14	5.3	1.5	.00	.00	.00	.00	19	33	25	47	41	37
15	3.9	1.3	.00	.00	.00	.00	19	32	43	46	40	39
16	2.5	1.1	.00	.00	.00	.00	20	22	34	46	41	36
17	1.9	.99	.00	.00	.00	.00	19	15	35	39	35	35
18	1.4	.98	.00	.00	.00	.00	21	12	36	44	24	28
19	1.2	.84	.00	.00	.06	.00	20	9 8	34	44	36	20
20	1.7	.83	.00	.00	.12	.00	19	19	36	43	41	30
21	1.6	.72	.00	.00	.18	.00	18	23	30	43	39	34
22	1.6	1.6	.00	.00	.12	.00	18	22	33	43	33	31
23	1.7	1.9	.00	.00	.06	.00	18	27	31	40	34	32
24	1.7	2.8	.00	.00	.06	.00	21	27	29	35	36	34
25	1.6	2.6	.00	.00	.02	.00	21	28	28	35	42	24
26	1.8	2.4	.00	.02	.29	1.1	22	27	28	30	35	14
27	2.3	1.9	.00	.06	.91	3.3	26	26	20	33	33	22
28	2.1	1.9	.00	.06	.42	2.4	28	22	26	36	31	38
29	2.0	2.0	.00	.06	---	1.8	26	21	41	35	37	39
30	2.0	2.2	.00	.29	---	4.1	25	18	40	32	36	14
31	1.9	---	.00	.42	---	2.3	---	18	---	31	35	---
TOTAL	117.6	53.26	10.86	.99	3.42	17.84	500.8	790.8	812	1204	1152	994
MEAN	3.79	1.78	.35	.032	.12	.58	16.7	25.5	27.1	38.8	37.2	33.1
MAX	11	2.8	2.2	.42	.91	4.1	28	37	43	47	44	42
MIN	1.2	.72	.00	.00	.00	.00	1.4	9.8	15	21	24	14
AC-FT	233	106	22	2.0	6.8	35	993	1570	1610	2390	2280	1970

WTR YR 1981 TOTAL 5657.57 MEAN 15.5 MAX 47 MIN .00 AC-FT 11220

TABLE 4.--Continued

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10167141 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK, AT MURRAY, UTAH
(upstream station)--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August to October 1980.

WATER-QUALITY DATA												
DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)	STREP- TOCOC- FECAL, KF AGAR (COLS. PER 100 ML)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)
OCT. 1980 26...	1200	1.6	1430	8.0	20	<1	<1	210	210	887	858	31
		NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH ₄)	NITRO- GEN, AMMONIA + ORG. TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA + ORG. TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)
OCT. 1980 26...	.54	.010	.080	.10	1.40	.80	.60	.52	1.2	.210	.040	<1
		CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, SUS- PENDED TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)
OCT. 1980 26...	7	8	<10	10	7	<10	30	20	9	1.2	11	
		HARD- NESS, (MG/L AS CACO ₃)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO ₃)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO ₂)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	
OCT. 1980 26...	1200	370	140	69	47	150	3.8	19	.7	9.9	370	
		BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	
OCT. 1980 26...	130	<1	0	<3	160	5	<10	0	1100	<6.0		

TABLE 4.--Continued

10167142 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK, AT MURRAY, UTAH (downstream station)

LOCATION.--Lat 40°37'56", long 111°51'36", in SW¼SW¼NE¼ sec. 20, T.2 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on right bank 200 ft (61 m) downstream from flume and diversion to Little Cottonwood Creek, 200 ft (61 m) north of 6600 South Street, 230 ft (70 m) downstream from station 10167141, and 10 mi (16 km) southeast of Salt Lake City.

PERIOD OF RECORD.--January 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 4,395 ft (1,340 m) from topographic map.

REMARKS.--Records good except periods of missing record and when discharge was less than 2.0 ft³/s (0.057 m³/s), which are poor. Flow is regulated. Many diversions for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48 ft³/s (1.36 m³/s), July 11-14, 16, 1981; maximum gage height, 3.80 ft (1.158 m) Aug. 12, 1981; no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 48 ft³/s (1.36 m³/s), July 11-14, 16; maximum gage height, 3.80 ft (1.158 m) Aug. 12; no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	.25	.00	.00	.00	.00	.23	30	20	39	31	37
2	2.1	.29	.00	.00	.00	.00	.32	26	23	39	29	39
3	2.5	.37	.00	.00	.00	.00	.86	33	18	22	30	36
4	2.2	.32	.00	.00	.00	.00	.25	31	19	8.7	42	38
5	2.5	.13	.00	.00	.00	.00	.09	31	18	19	38	31
6	2.9	.00	.00	.00	.00	.00	.00	35	16	41	39	18
7	2.9	.00	.00	.00	.00	.00	13	37	15	41	40	23
8	3.4	.00	.00	.00	.00	.00	19	26	18	41	43	42
9	3.6	.00	.00	.00	.00	.00	20	21	15	41	42	40
10	3.6	.00	.00	.00	.00	.00	20	23	17	43	39	40
11	3.5	.00	.00	.00	.00	.00	20	23	29	46	46	37
12	1.8	.00	.00	.00	.00	.00	19	27	28	46	44	38
13	2.2	.00	.00	.00	.00	.12	19	35	7.9	46	35	40
14	2.6	.00	.00	.00	.00	.00	19	33	21	47	41	37
15	1.7	.00	.00	.00	.00	.00	19	21	43	46	41	39
16	.79	.00	.00	.00	.00	.00	20	9.8	34	46	41	36
17	.34	.00	.00	.00	.00	.00	19	6.0	35	39	35	35
18	.02	.00	.00	.00	.00	.00	21	4.9	36	44	23	22
19	.00	.00	.00	.00	.00	.00	20	4.1	34	44	36	6.8
20	.23	.00	.00	.00	.00	.00	19	7.8	36	43	42	13
21	.19	.00	.00	.00	.00	.00	18	9.8	30	43	39	34
22	.17	.00	.00	.00	.00	.00	18	9.3	25	43	32	31
23	.30	.00	.00	.00	.00	.00	18	11	27	40	34	31
24	.18	.00	.00	.00	.00	.00	21	11	29	26	36	34
25	.13	.00	.00	.00	.00	.00	21	12	28	15	42	19
26	.28	.00	.00	.00	.00	.20	22	11	23	28	35	6.4
27	.62	.00	.00	.00	.00	.77	26	11	8.7	31	33	14
28	.41	.00	.00	.00	.00	.51	28	15	20	35	31	37
29	.49	.00	.00	.00	---	.29	26	21	41	33	37	39
30	.47	.00	.00	.00	---	1.7	25	18	40	30	36	14
31	.36	---	.00	.00	---	.63	---	18	---	29	35	---
TOTAL	47.38	1.36	.00	.00	.00	4.22	491.75	611.7	754.6	1134.7	1147	907.2
MEAN	1.53	.045	.000	.000	.000	.14	16.4	19.7	25.2	36.6	37.0	30.2
MAX	4.9	.37	.00	.00	.00	1.7	28	37	43	47	46	42
MIN	.00	.00	.00	.00	.00	.00	.00	4.1	7.9	8.7	23	6.4
AC-FT	94	2.7	.00	.00	.00	8.4	975	1210	1500	2250	2280	1800
WTR YR 1981	TOTAL	5099.91	MEAN	14.0	MAX	47	MIN	.00	AC-FT	10120		

TABLE 4.--Continued

10167145 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK, NEAR MURRAY, UTAH (upstream station)

LOCATION.--Lat 40°39'25", long 111°49'46", in NE¼SW¼SW¼ sec. 10, T.2 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on left bank 100 ft (30 m) upstream from bridge at 5340 South Street, 800 ft (240 m) upstream from concrete flume and Big Cottonwood Creek, 900 ft (270 m) upstream from station 10167146, and 3 mi (5 km) east of Murray.

PERIOD OF RECORD.--March 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 4,395 ft (1,340 m) from topographic map.

REMARKS.--Records fair except for periods when discharge was less than 0.3 ft³/s (0.009 m³/s), which are poor. Flow is regulated. Many diversions for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum observed discharge, 46 ft³/s (1.30 m³/s) measured on Aug. 25, 1980, gage height, 2.11 ft (0.643 m); maximum gage height, 2.87 ft (0.875 m) July 3, 1980 (backwater from diversion); no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 46 ft³/s (1.30 m³/s) Aug. 11; no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	.00	.00	.00	.00	.00	.03	28	17	36	31	37
2	7.5	.00	.00	.00	.00	.00	.02	28	25	39	28	37
3	8.0	.00	.00	.00	.00	.00	.36	34	21	26	28	35
4	7.6	.00	.00	.00	.00	.00	.01	32	19	12	41	37
5	9.8	.00	.10	.00	.00	.00	.00	34	19	17	40	33
6	10	.00	.00	.00	.00	.00	.00	36	18	35	39	25
7	10	.00	.00	.00	.00	.00	12	37	17	35	40	29
8	10	.00	.00	.00	.00	.00	.00	28	18	35	42	43
9	11	.00	.00	.00	.00	.00	18	20	24	35	43	42
10	11	.00	.00	.00	.00	.00	19	24	31	35	40	41
11	12	.00	.00	.00	.00	.01	18	24	36	38	46	38
12	11	.01	.00	.00	.00	.01	18	27	24	38	44	39
13	12	.06	.00	.00	.00	.01	18	34	12	37	36	38
14	12	.00	.00	.00	.00	.02	18	33	19	38	41	36
15	7.2	.00	.00	.00	.00	.02	19	24	44	38	40	39
16	1.6	.00	.00	.00	.00	.02	19	16	34	39	40	36
17	.46	.00	.00	.00	.00	.03	19	12	32	35	35	35
18	.21	.00	.00	.00	.00	.02	20	9.2	35	37	26	26
19	.05	.00	.00	.00	.00	.02	20	9.3	35	37	39	11
20	.03	.00	.00	.00	.00	.02	19	11	36	38	40	13
21	.01	.00	.00	.00	.00	.03	18	13	32	38	38	29
22	.00	.00	.00	.00	.00	.02	18	13	28	38	33	28
23	.00	.00	.00	.00	.00	.02	18	18	24	36	36	26
24	.00	.00	.00	.00	.00	.02	20	18	27	27	36	30
25	.00	.00	.00	.00	.00	.02	21	17	25	16	38	29
26	.04	.00	.00	.00	.00	.03	23	18	22	27	34	10
27	.05	.00	.00	.00	.00	.25	27	16	10	31	33	12
28	.02	.00	.00	.00	.00	.10	27	17	15	34	32	27
29	.00	.00	.00	.00	---	.03	25	23	27	34	36	31
30	.00	.01	.00	.00	---	.90	25	22	31	31	35	18
31	.00	---	.00	.00	---	.28	---	21	---	29	36	---
TOTAL	153.57	.08	.10	.00	.00	1.88	476.42	696.5	757	1021	1146	910
MEAN	4.95	.003	.003	.000	.000	.061	15.9	22.5	25.2	32.9	37.0	30.3
MAX	12	.06	.10	.00	.00	.90	27	37	44	39	46	43
MIN	.00	.00	.00	.00	.00	.00	.00	9.2	10	12	26	10
AC-FT	305	.2	.2	.00	.00	3.7	945	1380	1500	2030	2270	1800
WTR YR 1981	TOTAL	5162.55	MEAN	14.1	MAX	46	MIN	.00	AC-FT	10240		

TABLE 4.--Continued

10167146 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK, NEAR MURRAY, UTAH (downstream station)

LOCATION.--Lat 40°39'30", long 111°49'38", in SW¼NE¼SW¼ sec. 10, T. 2 S., R. 1 E., Salt Lake County, Hydrologic Unit 16020204, on right wall of concrete flume at Big Cottonwood Creek, 60 ft (18 m) below diversion, 900 ft (270 m) downstream from station 10167145, and 3 mi (5 km) east of Murray.

PERIOD OF RECORD.--February 1980 to September 1981.

GAGE.--Water-stage recorder and modified v-notch weir. Altitude of gage is 4,395 ft (1,340 m) from topographic map.

REMARKS.--Records good except for period of backwater from growth of weeds and grass in canal, which are fair. Flow is regulated. Many diversions for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24 ft³/s (0.68 m³/s) May 24, 1980, Aug. 8, 9, 11, 1981; maximum gage height, 2.75 ft (0.838 m) July 3, 1980 (backwater); no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24 ft³/s (0.68 m³/s) Aug. 8, 9, 11, gage height, 2.48 ft (0.756 m); maximum gage height, 2.56 ft (0.780 m) July 16, 17 (backwater); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	.00	.00	.00	.00	.00	.00	12	11	17	21	22
2	1.8	.00	.00	.00	.00	.00	.00	12	15	18	20	22
3	.31	.00	.00	.00	.00	.00	.00	14	8.7	10	20	22
4	.30	.00	.00	.00	.00	.00	.00	13	1.4	2.2	23	22
5	.30	.00	.00	.00	.00	.00	.00	14	1.4	7.6	23	20
6	.82	.00	.00	.00	.00	.00	.00	15	1.0	20	22	13
7	.40	.00	.00	.00	.00	.00	2.3	15	.78	21	22	15
8	.00	.00	.00	.00	.00	.00	.00	9.4	9.1	20	23	23
9	.00	.00	.00	.00	.00	.00	.00	8.1	10	20	23	23
10	.00	.00	.00	.00	.00	.00	.00	11	11	21	22	23
11	.00	.00	.00	.00	.00	.00	.00	11	15	21	23	23
12	.00	.00	.00	.00	.00	.00	.00	12	11	21	23	23
13	.00	.00	.00	.00	.00	.00	.00	14	.19	21	22	22
14	.00	.00	.00	.00	.00	.00	.00	14	5.9	21	22	22
15	.00	.00	.00	.00	.00	.00	.00	12	17	21	22	23
16	.00	.00	.00	.00	.00	.00	.00	7.4	13	22	22	22
17	.00	.00	.00	.00	.00	.00	11	5.9	11	21	22	21
18	.00	.00	.00	.00	.00	.00	15	4.6	11	21	20	11
19	.00	.00	.00	.00	.00	.00	15	4.6	12	22	22	1.0
20	.00	.00	.00	.00	.00	.00	15	2.7	13	22	23	4.8
21	.00	.00	.00	.00	.00	.00	15	.36	12	22	23	21
22	.00	.00	.00	.00	.00	.00	15	3.7	12	22	21	22
23	.00	.00	.00	.00	.00	.00	15	6.8	11	22	22	22
24	.00	.00	.00	.00	.00	.00	15	6.6	12	13	22	22
25	.00	.00	.00	.00	.00	.00	16	6.4	12	9.4	22	15
26	.00	.00	.00	.00	.00	.00	16	6.5	8.3	20	22	1.6
27	.00	.00	.00	.00	.00	.00	18	6.2	2.0	21	21	5.5
28	.00	.00	.00	.00	.00	.00	18	6.5	6.1	22	21	21
29	.00	.00	.00	.00	---	.00	14	8.5	15	22	22	23
30	.00	.00	.00	.00	---	.00	11	8.4	16	21	22	14
31	.00	---	.00	.00	---	.00	---	8.2	---	21	22	---
TOTAL	11.93	.00	.00	.00	.00	.00	211.30	279.86	284.87	585.2	680	544.9
MEAN	.38	.000	.000	.000	.000	.000	7.04	9.03	9.50	18.9	21.9	18.2
MAX	8.0	.00	.00	.00	.00	.00	18	15	17	22	23	23
MIN	.00	.00	.00	.00	.00	.00	.00	.36	.19	2.2	20	1.0
AC-FT	24	.00	.00	.00	.00	.00	419	555	565	1160	1350	1080

WTR YR 1981 TOTAL 2598.06 MEAN 7.12 MAX 23 MIN .00 AC-FT 5150

TABLE 4.--Continued

10167147 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR SALT LAKE CITY, UTAH (upstream station)

LOCATION.--Lat 40°41'35", long 111°51'19", in SE¼NW¼NW¼ sec. 33, T.1 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on right bank 10 ft (3 m) upstream from concrete flume crossing Mill Creek, 80 ft (24 m) upstream from station 10167148, 200 ft (61 m) downstream from bridge on 3640 South Street (Murphy Lane), and 6 mi (10 km) southeast of Salt Lake City.

PERIOD OF RECORD.--February 1980 to September 1981.

GAGE.--Water-stage recorder and modified v-notch weir. Altitude of gage is 4,385 ft (1,337 m) from topographic map.

REMARKS.--Records good except periods when diversion gate was open and discharge was less than 1.0 ft³/s (0.028 m³/s), which are fair. Flow is regulated. Many diversions for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30 ft³/s (0.85 m³/s) Aug. 25, 1980, gage height, 2.71 ft (0.826 m); no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25 ft³/s (0.71 m³/s) on Aug. 10, 11, gage height, 2.51 ft (0.765 m); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	.00	.00	.02	.18	.06	.00	11	8.5	12	19	21
2	.11	.00	.00	.03	.14	.04	.19	11	13	14	18	21
3	.28	.00	.14	.00	.08	.29	.10	14	8.5	7.6	18	21
4	.43	.00	.42	.06	.07	.04	.03	12	1.1	.00	21	21
5	.19	.00	.65	.02	.10	.03	.02	13	1.2	2.1	21	19
6	.13	.00	.51	.00	.07	.07	.06	15	.96	13	21	12
7	.15	.00	.52	.00	.07	.04	1.9	15	.97	13	22	14
8	.26	.00	.43	.00	.05	.06	.32	8.5	5.1	14	22	24
9	.22	.00	.02	.00	.08	.05	.21	7.0	7.6	15	23	24
10	.34	.00	.00	.00	.08	.01	.02	9.2	8.7	16	23	24
11	.34	.00	.00	.00	.04	.00	.09	9.2	13	17	24	23
12	.37	.44	.00	.00	.07	.00	.00	9.9	10	17	23	22
13	.09	.02	.00	.00	.06	.00	.00	12	.12	17	20	21
14	.35	.00	.00	.00	.06	.00	.00	12	3.8	17	20	21
15	.97	.00	.00	.00	.04	.00	.00	12	16	17	20	22
16	.71	.00	.00	.00	.02	.17	.00	8.6	13	18	20	22
17	.33	.00	.00	.00	.04	.03	7.8	5.2	10	17	19	21
18	.31	.00	.00	.00	.03	.00	12	3.7	10	18	16	14
19	.30	.00	.00	.00	.01	.00	12	3.6	12	18	20	.26
20	.26	.00	.00	.05	.06	.10	12	3.1	12	18	20	3.8
21	.32	.00	.00	.03	.00	.00	12	.94	11	18	21	20
22	.25	.00	.01	.11	.00	.00	12	3.2	11	19	20	21
23	.03	.00	.00	.08	.00	.00	12	7.3	9.7	19	21	21
24	.00	.11	.00	.06	.03	.00	14	7.0	11	11	22	21
25	.00	.00	.00	.04	.00	.00	14	6.2	11	5.1	22	15
26	.04	.00	.00	.03	.63	.03	15	6.4	7.9	16	21	6.3
27	.06	.00	.00	.03	.34	.02	18	5.7	.24	17	20	4.5
28	.03	.00	.00	.03	.06	.00	18	5.8	2.8	18	19	20
29	.00	.01	.00	.07	---	.02	12	7.8	12	19	20	22
30	.00	.19	.00	.28	---	.01	9.3	7.2	11	19	20	15
31	.00	---	.00	.12	---	.00	---	6.7	---	18	20	---
TOTAL	15.77	.77	2.70	1.06	2.41	1.07	183.04	259.24	243.19	459.80	636	536.86
MEAN	.51	.026	.087	.034	.086	.035	6.10	8.36	8.11	14.8	20.5	17.9
MAX	8.9	.44	.65	.28	.63	.29	18	15	16	19	24	24
MIN	.00	.00	.00	.00	.00	.00	.00	.94	.12	.00	16	.26
AC-FT	31	1.5	5.4	2.1	4.8	2.1	363	514	482	912	1260	1060

WTR YR 1981 TOTAL 2341.91 MEAN 6.42 MAX 24 MIN .00 AC-FT 4650

TABLE 4.--Continued

10167148 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR SALT LAKE CITY, UTAH (downstream station)

LOCATION.--Lat 40°41'37", long 111°51'18", in SE¼NW¼ sec. 33, T.1 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on right wall of concrete flume at Mill Creek, 80 ft (24 m) downstream from station 10167147, 280 ft (85 m) downstream from bridge on 3640 South Street (Murphy Lane), and 6 mi (10 km) southeast of Salt Lake City.

PERIOD OF RECORD.--February 1980 to September 1981.

GAGE.--Water-stage recorder and modified v-notch weir. Altitude of gage is 4,385 ft (1,337 m) from topographic map.

REMARKS.--Records good except for periods when discharge was below 1 ft³/s (0.028 m³/s), which are fair. Flow is regulated. Many diversions for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22 ft³/s (0.62 m³/s) Sept. 10, 1980, gage height, 1.77 ft (0.539 m); no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21 ft³/s (0.59 m³/s) Aug. 10, gage height, 1.58 ft (0.482 m); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	.00	.00	.00	.00	.00	.00	11	8.5	12	16	12
2	.00	.00	.00	.00	.00	.00	.00	9.9	13	13	16	12
3	.00	.00	.00	.00	.00	.00	.00	13	8.5	7.3	16	12
4	.00	.00	.00	.00	.00	.00	.00	12	1.1	.00	18	12
5	.00	.00	.04	.00	.00	.00	.00	12	1.2	2.1	18	11
6	.00	.00	.00	.00	.00	.00	.00	13	.96	12	18	5.6
7	.00	.00	.00	.00	.00	.00	.00	14	.97	12	19	7.0
8	.00	.00	.00	.00	.00	.00	.00	8.2	5.1	13	19	15
9	.00	.00	.00	.00	.00	.00	.00	4.9	7.6	14	19	15
10	.00	.00	.00	.00	.00	.00	.00	9.2	8.7	15	19	15
11	.00	.00	.00	.00	.00	.00	.00	9.2	12	16	19	14
12	.05	.10	.00	.00	.00	.00	.00	9.9	9.1	16	19	13
13	.00	.00	.00	.00	.00	.00	.00	12	.12	15	18	12
14	.03	.00	.00	.00	.00	.00	.00	12	3.7	15	18	12
15	.23	.00	.00	.00	.00	.00	.00	11	14	15	17	13
16	.11	.00	.00	.00	.00	.00	.00	8.4	12	16	17	13
17	.00	.00	.00	.00	.00	.00	7.8	5.2	10	15	17	13
18	.00	.00	.00	.00	.00	.00	12	3.7	10	16	14	8.2
19	.00	.00	.00	.00	.00	.00	12	3.6	12	16	17	.00
20	.00	.00	.00	.00	.00	.00	12	3.1	12	16	18	1.9
21	.00	.00	.00	.00	.00	.00	12	.99	11	16	18	12
22	.00	.00	.00	.00	.00	.00	12	3.2	11	16	18	12
23	.00	.00	.00	.00	.00	.00	12	7.3	9.7	16	18	12
24	.00	.00	.00	.00	.00	.00	13	7.0	11	8.7	19	13
25	.00	.00	.00	.00	.00	.00	13	6.2	11	4.5	17	8.4
26	.00	.00	.00	.00	.00	.00	13	6.4	7.9	15	14	.08
27	.00	.00	.00	.00	.00	.00	16	5.7	.24	15	12	2.3
28	.00	.00	.00	.00	.00	.00	16	5.8	2.8	16	11	12
29	.00	.00	.00	.00	---	.00	12	7.8	12	16	12	14
30	.00	.00	.00	.00	---	.00	9.3	7.2	11	16	12	8.4
31	.00	---	.00	.00	---	.00	---	6.7	---	16	12	---
TOTAL	5.22	.10	.04	.00	.00	.00	172.10	249.59	238.19	411.60	515	310.88
MEAN	.17	.003	.001	.000	.000	.000	5.74	8.05	7.94	13.3	16.6	10.4
MIN	.00	.00	.00	.00	.00	.00	.00	.99	.12	.00	11	.00
AC-FT	10	.2	.08	.00	.00	.00	341	495	472	816	1020	617

WTR YR 1981 TOTAL 1902.72 MEAN 5.21 MAX 19 MIN .00 AC-FT 3770

TABLE 4.--Continued

10167149 JORDAN AND SALT LAKE CITY CANAL AT ZENITH AVENUE, AT SALT LAKE CITY, UTAH

LOCATION.--Lat 40°42'28", long 111°51'28", in SW¼NW¼NE¼, sec. 29, T.1 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on right bank just south of Zenith Avenue, 160 ft (48 m) east of intersection of 1100 East and Zenith Avenue, and approximately 2905 South and 1130 East in Salt Lake City.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1980 to September 1981.

GAGE.--Velocity modified flow meter. Altitude of gage is 4,380 ft (1,335 m) from topographic map.

REMARKS.--Records fair. Flow regulated except for storm drains that dump into channel.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22 ft³/s (0.62 m³/s) May 8, 15, 16, 1981; no flow many days.

EXTREMES FOR CURRENT PERIOD.--April to September 1980: Maximum discharge, 20 ft³/s (0.57 m³/s) Aug. 26-30, Sept. 7, 8; no flow many days.

Water year 1981: Maximum discharge, 22 ft³/s (0.62 m³/s) May 8, 15, 16; no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							.00	14	12	11	8.3	19
2							.00	16	12	8.5	.00	19
3							.00	16	12	11	3.2	18
4							.00	14	14	8.0	14	18
5							.00	14	14	.00	16	18
6							.00	2.5	15	1.8	17	19
7							.00	.92	13	11	17	20
8							.00	5.4	13	12	17	20
9							.00	16	14	12	17	19
10							.01	17	14	12	17	18
11							.00	13	13	9.3	17	12
12							.00	9.7	11	.30	17	13
13							.00	10	11	2.0	17	14
14							.00	9.8	9.1	10	18	14
15							.00	8.9	8.2	11	16	16
16							.00	11	9.1	12	12	15
17							.00	6.5	11	12	6.4	14
18							.00	5.4	11	6.2	12	14
19							.00	11	11	.00	19	15
20							.00	11	10	2.1	18	15
21							.00	11	7.7	11	18	14
22							.00	11	7.1	11	17	14
23							.00	11	6.8	16	18	14
24							.07	12	6.5	18	19	13
25							.90	8.2	7.3	11	19	12
26							11	8.4	8.2	.40	20	12
27							9.0	8.1	5.6	5.6	20	11
28							11	10	.00	18	20	12
29							11	13	1.5	18	20	11
30							13	13	11	18	20	9.0
31							---	12	---	15	19	---
TOTAL							55.98	329.82	299.10	294.20	488.90	452.0
MEAN							1.87	10.6	9.97	9.49	15.8	15.1
MAX							13	17	15	18	20	20
MIN							.00	.92	.00	.00	.00	9.0
AC-FT							111	654	593	584	970	897

TABLE 4.--Continued

10167149 JORDAN AND SALT LAKE CITY CANAL AT ZENITH AVENUE, AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	.00	.00	.00	.00	.00	.00	10	8.7	9.8	17	11
2	.00	.00	.00	.00	.00	.00	.00	7.6	15	11	17	11
3	.00	.00	.00	.00	.00	.00	.00	13	9.3	7.0	16	11
4	.00	.00	.00	.00	.00	.00	.00	13	.06	.03	18	11
5	.00	.00	.00	.00	.00	.00	.00	13	.12	.95	18	10
6	.00	.00	.00	.00	.00	.00	.00	16	.09	11	19	4.8
7	.00	.00	.00	.00	.00	.00	.18	17	.13	11	19	6.0
8	.00	.00	.00	.00	.00	.00	.00	9.7	2.6	12	21	14
9	.00	.00	.00	.00	.00	.00	.00	4.5	4.1	12	21	14
10	.00	.00	.00	.00	.00	.00	.00	9.6	5.9	13	18	14
11	.00	.00	.00	.00	.00	.00	.00	9.5	12	13	19	13
12	.00	.40	.00	.00	.03	.00	.00	10	9.0	14	18	12
13	.00	.00	.00	.00	.00	.00	.00	14	.03	14	17	11
14	.00	.00	.00	.00	.00	.00	.00	13	2.7	15	17	11
15	.56	.00	.00	.00	.00	.00	.00	12	14	14	16	11
16	1.0	.00	.00	.00	.00	.00	.00	8.9	13	15	16	12
17	.00	.00	.00	.00	.00	.00	6.5	4.0	10	14	16	10
18	.00	.00	.00	.00	.00	.00	12	2.2	9.5	15	14	6.4
19	.00	.00	.00	.00	.00	.00	12	2.2	11	16	16	.00
20	.00	.00	.00	.00	.00	.00	12	3.4	11	16	17	.86
21	.00	.00	.00	.00	.00	.00	12	.49	9.9	16	17	9.8
22	.00	.00	.00	.00	.00	.00	12	1.9	9.9	16	17	11
23	.00	.15	.00	.00	.00	.00	12	6.0	8.6	17	17	11
24	.00	.00	.00	.00	.00	.00	14	5.9	10	8.3	18	12
25	.00	.00	.00	.00	.00	.00	15	5.1	10	3.6	16	7.4
26	.27	.00	.00	.00	.00	.00	16	5.2	7.5	15	13	.00
27	.27	.00	.00	.00	.01	.00	19	4.8	.03	15	11	1.4
28	.28	.00	.00	.00	.01	.00	19	4.6	1.2	16	10	11
29	.07	.00	.00	.00	---	.01	15	7.8	9.8	16	11	13
30	.00	.00	.00	.00	---	.01	10	7.0	8.5	16	11	7.1
31	.00	---	.00	.00	---	.01	---	6.7	---	16	11	---
TOTAL	5.75	.55	.00	.00	.05	.03	186.68	248.09	213.66	388.68	502	277.76
MEAN	.19	.018	.000	.000	.002	.001	6.22	8.00	7.12	12.5	16.2	9.26
MAX	3.3	.40	.00	.00	.03	.01	19	17	15	17	21	14
MIN	.00	.00	.00	.00	.00	.00	.00	.49	.03	.03	10	.00
AC-FT	11	1.1	.00	.00	.10	.06	370	492	424	771	996	551

WTR YR 1981 TOTAL 1823.25 MEAN 5.00 MAX 21 MIN .00 AC-FT 3620

TABLE 4.--Continued

10167149 JORDAN AND SALT LAKE CITY CANAL AT ZENITH AVENUE, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, DIS- SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT. 1980										
26...	--	--	<10	--	--	14	1.9	39	--	--
26...	--	--	--	--	--	--	--	--	133	.04
26...	--	--	88	--	--	90	4.0	40	--	--
MAY 1981										
10-11	35	19	16	60	50	10	2.3	40	--	--
11...	10	4	6	30	10	20	.9	10	157	4.2
20...	13	11	2	30	0	50	--	9.8	--	--
20-20	18	12	6	30	20	10	.5	11	26	--
SEPT.										
05...	18	15	3	60	30	29	5.8	9.0	255	6.9
05-05	--	--	--	--	--	--	--	--	249	--

DATE	TIME	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT. 1980									
26...	1045	150	1	45	9.3	15	.6	5.0	.2
26...	1245	52	15	17	2.2	12	.8	5.0	.2

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
------	---	--	--	--	--	--	---	--	--

OCT. 1980									
26...	8.7	100	<1	<3	20	26	<10	310	<6.0
26...	2.9	50	<1	<3	8	69	<10	75	<6.0

DATE	TIME	END- ING TIME (2400 HOURS)	TUR- BID- ITY (FTU)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C
MAY 1981							
10-11	2300	0600	45	4.6	11	.10	.04
11...	1150	--	--	2.6	4.8	.15	.06
20...	0740	--	18	3.8	7.8	.13	.06
20-20	0800	1500	18	2.2	4.2	.15	.06
SEPT.							
05...	1020	--	--	4.6	49	.02	.00
05-05	1200	1600	--	5.2	65	.02	.00

DATE	CHRO- MIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
------	--	---	---	---	---	---	--

MAY 1981							
10-11	0	0	1400	1400	.0	.0	.0
11...	0	0	1000	990	.1	.1	.0
20...	10	0	480	460	.2	.2	.0
20-20	10	0	600	530	.2	.2	.0
SEPT.							
05...	8	2	2200	2200	.0	.0	.0
05-05	--	--	--	--	--	--	--

TABLE 4.--Continued

10167160 UTAH AND SALT LAKE CANAL AT JORDAN NARROWS, NEAR BLUFFDALE, UTAH

LOCATION.--Lat 40°26'27", long 111°55'17", in NW¼SW¼NW¼ sec. 26, T.4 S., R.1 W., Salt Lake County, Hydrologic Unit 16020204, about 800 ft (244 m) below head at narrows, 5.5 mi (8.8 km) northwest of Lehi, and 7.5 mi (12.1 km) downstream from Utah Lake.

PERIOD OF RECORD.--October 1979 to September 1981. Records beginning in 1901 are in annual reports of the water commissioners.

GAGE.--Water-stage recorder. Datum of gage is 4,481.37 ft (1,365.922 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow is regulated by diversion dam at narrows.

COOPERATION.--Records furnished by the Jordan River Distribution System.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 276 ft³/s (7.82 m³/s) Aug. 10, 1981; no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	147	.00	.00	.00	.00	.00	.00	203	120	264	241	221
2	143	.00	.00	.00	.00	.00	.00	218	116	265	241	220
3	141	.00	.00	.00	.00	.00	.00	218	120	266	244	222
4	141	.00	.00	.00	.00	.00	.00	216	122	266	257	223
5	139	.00	.00	.00	.00	.00	.00	219	120	266	269	222
6	141	.00	.00	.00	.00	.00	.00	207	121	262	267	199
7	143	.00	.00	.00	.00	.00	.00	187	151	262	273	165
8	142	.00	.00	.00	.00	.00	.00	186	155	269	275	160
9	143	.00	.00	.00	.00	.00	.00	185	172	268	274	152
10	143	.00	.00	.00	.00	.00	.00	188	190	269	276	146
11	143	.00	.00	.00	.00	.00	.00	187	213	269	274	136
12	143	.00	.00	.00	.00	.00	.00	186	221	267	272	139
13	149	.00	.00	.00	.00	.00	.00	189	218	258	270	142
14	147	.00	.00	.00	.00	.00	.00	194	217	244	268	141
15	49	.00	.00	.00	.00	.00	71	194	217	247	271	141
16	.00	.00	.00	.00	.00	.00	72	192	223	245	269	153
17	.00	.00	.00	.00	.00	.00	92	176	219	245	270	180
18	.00	.00	.00	.00	.00	.00	122	144	224	244	268	180
19	.00	.00	.00	.00	.00	.00	123	129	227	242	269	179
20	.00	.00	.00	.00	.00	.00	121	119	248	241	269	179
21	.00	.00	.00	.00	.00	.00	122	119	247	240	273	181
22	.00	.00	.00	.00	.00	.00	120	120	250	239	252	177
23	.00	.00	.00	.00	.00	.00	149	118	246	241	242	180
24	.00	.00	.00	.00	.00	.00	166	118	253	242	237	180
25	.00	.00	.00	.00	.00	.00	192	118	263	240	215	178
26	.00	.00	.00	.00	.00	.00	204	118	264	247	217	182
27	.00	.00	.00	.00	.00	.00	120	121	263	239	220	179
28	.00	.00	.00	.00	.00	.00	200	119	262	248	217	177
29	.00	.00	.00	.00	---	.00	200	119	263	242	219	177
30	.00	.00	.00	.00	---	.00	200	117	262	239	219	164
31	.00	---	.00	.00	---	.00	---	117	---	245	219	---
TOTAL	2054.00	.00	.00	.00	.00	.00	2274.00	5041	6187	7821	7847	5275
MEAN	66.3	.000	.000	.000	.000	.000	75.8	163	206	252	253	176
MAX	149	.00	.00	.00	.00	.00	204	219	264	269	276	223
MIN	.00	.00	.00	.00	.00	.00	.00	117	116	239	215	136
AC-FT	4070	.00	.00	.00	.00	.00	4510	10000	12270	15510	15560	10460
CAL YR 1980	TOTAL	34751.00	MEAN	94.9	MAX	266	MIN	.00	AC-FT	68930		
WTR YR 1981	TOTAL	36499.00	MEAN	100	MAX	276	MIN	.00	AC-FT	72400		

TABLE 4.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH, AT SANDY, UTAH

LOCATION.--Lat 40°33'07", long 111°51'41", in SW¼SW¼SE¼ sec. 17, T.3 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, 100 ft (30 m) east of 1000 East and 11000 South intersection in Sandy, Utah.

DRAINAGE AREA.--0.1 mi² (0.3 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March to September 1981.

GAGE.--Water-stage recorder and H-flume. Altitude of gage is 4,600 ft (1,402 m) from topographic map.

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14 ft³/s (0.40 m³/s) Sept. 5, gage height, 2.14 ft (0.637 m); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						---	.00	.01	.00	.00	.01	.00
2						---	.22	.06	.11	.03	.02	.00
3						---	.03	.31	.01	.00	.01	.00
4						.00	.06	.00	.00	.00	.01	.00
5						.00	.00	.00	.00	.00	.01	.33
6						.03	.00	.00	.00	.02	.01	.05
7						.00	.00	.00	.00	.00	.01	.02
8						.00	.00	.16	.00	.00	.01	.00
9						.00	.00	.00	.00	.00	.00	.00
10						.00	.01	.14	.00	.03	.00	.00
11						.00	.00	.03	.00	.00	.00	.00
12						.00	.00	.00	.04	.00	.00	.00
13						.00	.00	.00	.02	.00	.00	.00
14						.00	.00	.01	.03	.00	.00	.00
15						.00	.02	.50	.00	.00	.00	.00
16						.09	.00	.32	.00	.00	.00	.00
17						.00	.00	.02	.00	.00	.00	.00
18						.00	.00	.00	.00	.00	.00	.00
19						.01	.08	.00	.01	.00	.03	.00
20						.14	.00	.14	.00	.00	.01	.00
21						.00	.02	.19	.00	.00	.04	.00
22						.00	.00	.00	.00	.00	.00	.00
23						.00	.00	.00	.00	.00	.00	.00
24						.01	.00	.00	.00	.00	.02	.03
25						.00	.00	.02	.00	.00	.00	.00
26						.17	.00	.11	.00	.05	.00	.00
27						.12	.02	.08	.00	.00	.00	.00
28						.05	.00	.01	.00	.00	.00	.00
29						.24	.00	.01	.00	.00	.00	.00
30						.23	.00	.02	.00	.02	.00	.00
31						.01	---	.07	---	.01	.00	---
TOTAL						---	.46	2.21	.22	.16	.19	.43
MEAN						---	.015	.071	.007	.005	.006	.014
MAX						---	.22	.50	.11	.05	.04	.33
MIN						---	.00	.00	.00	.00	.00	.00
AC-FT						---	.9	4.4	.4	.3	.4	.9

TABLE 4.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH, AT SANDY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March to November 1981.

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TUR- BID- ITY (FTU)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM. CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C	ALKA- LINITY LAB (MG/L AS CACO3)
MAR. 1981											
26-26	1100	1800	--	--	--	35	9.0	14	.20	.09	19
APR.											
10-10	2100	2300	--	6.8	--	220	--	--	--	--	35
MAY											
03-03	0115	0230	190	6.6	--	170	--	--	--	--	41
16-16	0700	1210	48	7.3	--	25	3.8	6.6	.17	.08	15
20-20	0800	1500	44	6.8	19	41	5.4	20	.06	.02	25
JUNE											
02-02	1830	2120	65	5.6	26	59	9.6	22	.12	.04	22
12-12	2240	2400	185	6.8	--	190	--	--	--	--	17
JULY											
10-10	1700	1760	280	7.5	46	110	--	--	--	--	40
26-26	1240	1400	240	7.1	--	330	--	--	--	--	59
AUG.											
19-19	1503	1550	305	6.9	--	490	--	--	--	--	37
21-21	0100	0145	305	7.3	--	190	--	--	--	--	25
SEPT.											
05-05	0330	0500	450	6.8	--	460	57	190	.08	.04	110
05-05	1300	1430	48	7.1	--	80	7.2	22	.08	.04	38
24-24	1345	1450	220	7.2	--	340	52	110	.13	.06	38
OCT.											
03-03	0900	1400	110	7.7	--	110	23	40	.17	.08	27
08-08	0001	0330	50	7.5	--	92	8.0	16	.14	.06	18
10-10	1430	1530	86	6.8	--	210	4.8	13	.10	.04	17
11-11	0200	0330	35	7.1	--	45	--	--	--	--	15
13-13	1845	2030	100	7.9	--	89	18	32	.16	.08	15
28-29	2300	0400	47	7.9	--	66	9.2	16	.08	.16	8.0
NOV.											
25-25	0005	0300	53	7.4	--	25	5.8	9.8	.08	.18	9.0
DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)
MAR. 1981											
26-26	1.1	3.8	53	65	.65	--	.040	--	.770	.99	--
APR.											
10-10	43	16	188	--	--	--	--	--	--	--	--
MAY											
03-03	21	7.0	155	402	1.10	--	.270	--	1.90	2.4	--
16-16	2.0	3.8	25	12	.56	--	.020	--	.490	.63	--
20-20	.9	2.6	31	35	.20	--	.010	--	.330	.43	--
JUNE											
02-02	4.2	2.8	41	62	.56	--	.040	--	.660	.85	--
12-12	4.0	23	141	152	.76	--	.100	--	1.40	1.8	--
JULY											
10-10	87	5.2	621	278	--	--	--	--	--	--	--
26-26	36	13	266	502	--	--	--	--	--	--	--
AUG.											
19-19	10	12	311	494	--	--	--	--	--	--	--
21-21	<5.0	4.3	112	323	.68	--	.040	--	.910	1.2	--
SEPT.											
05-05	23	27	433	180	1.70	--	1.00	--	3.20	4.1	--
05-05	<5.0	2.2	58	346	.31	--	.060	--	.090	.12	--
24-24	<10	17	200	510	1.50	--	.080	--	2.00	2.6	--
OCT.											
03-03	6.0	15	89	78	.50	--	.030	--	1.10	1.4	--
08-08	<5.0	1.3	38	55	.34	--	.040	--	.490	.63	--
10-10	<5.0	2.5	75	196	1.10	--	.050	--	.760	.98	--
11-11	<5.0	6.2	19	80	.29	--	.030	--	.410	.53	--
13-13	6.0	3.2	51	53	2.10	--	.050	--	1.60	2.1	--
28-29	<5.0	1.9	26	27	.23	<.020	<.020	.510	.450	.58	.59
NOV.											
25-25	<5.0	2.5	29	12	.42	--	.040	--	.550	.71	--

TABLE 4.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH, AT SANDY, UTAH--Continued

WATER-QUALITY DATA

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
MAR. 1981											
26-26	1.20	.00	1.3	--	.53	2.0	.210	.090	--	0	10
APR.											
10-10	--	--	--	--	--	--	--	--	--	--	10
MAY											
03-03	8.50	6.2	2.3	--	.40	3.7	.660	.270	--	0	10
16-16	1.40	.40	1.0	--	.51	1.6	.110	.060	--	<1	10
20-20	1.10	.38	.72	--	.39	.93	.160	.060	--	<1	10
JUNE											
02-02	1.90	.50	1.4	--	.74	2.0	.300	.100	--	<1	20
12-12	5.70	2.3	3.4	--	2.0	4.3	.850	.430	.130	0	20
JULY											
10-10	--	--	--	--	--	--	--	--	--	--	30
26-26	--	--	--	--	--	--	--	--	--	<1	20
AUG.											
19-19	--	--	--	--	--	--	--	--	--	<1	20
21-21	3.40	1.1	2.3	--	1.4	3.0	.510	.180	--	<1	10
SEPT.											
05-05	11.0	2.2	8.8	--	5.6	12	.660	.390	--	<1	0
05-05	2.00	1.2	.83	--	.74	1.2	.490	.130	--	<1	10
24-24	7.60	3.2	4.4	--	2.4	6.0	.220	.110	--	<1	10
OCT.											
03-03	2.20	.10	2.1	--	1.0	2.6	.350	.250	--	<1	0
08-08	1.10	.12	.98	--	.49	1.4	.160	.130	--	<1	0
10-10	2.30	1.1	1.2	--	.44	2.3	.310	.130	--	<1	10
11-11	.89	.28	.61	--	.20	.93	.140	.060	--	<1	10
13-13	2.60	.00	2.8	--	1.2	4.9	.100	.090	--	<1	10
28-29	1.10	.33	.77	1.3	.32	1.0	.130	.140	--	<1	10
NOV.											
25-25	.76	.14	.62	--	.07	1.1	.080	.060	--	<1	<10

DATE	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)
MAR. 1981										
26-26	10	0	20	16	4	1900	1800	60	60	58
APR.										
10-10	--	--	39	--	--	2200	--	--	150	--
MAY										
03-03	10	0	80	68	12	6100	6000	70	280	260
16-16	10	0	11	7	4	650	630	20	18	14
20-20	10	0	16	10	6	1400	1400	40	43	39
JUNE										
02-02	20	0	28	20	8	3900	--	<10	92	82
12-12	9	11	42	32	10	3800	3700	70	240	230
JULY										
10-10	23	7	100	95	5	6100	6000	80	180	180
26-26	15	5	150	140	6	13000	13000	220	450	440
AUG.										
19-19	20	0	100	90	7	11000	11000	430	500	500
21-21	9	1	58	42	16	6500	6500	35	180	170
SEPT.										
05-05	0	0	50	30	20	4200	4000	170	140	130
05-05	9	1	60	56	4	8100	8100	32	320	320
24-24	6	4	20	5	15	12000	12000	54	160	160
OCT.										
03-03	0	10	37	25	12	1500	1500	43	50	46
08-08	0	1	17	11	6	1700	1700	25	39	35
10-10	--	<1	53	47	6	4600	4600	26	170	170
11-11	--	<1	20	17	3	2700	2700	43	43	42
13-13	--	<1	25	16	9	1500	1500	22	54	50
28-29	9	1	40	2	38	1900	1900	28	48	46
NOV.										
25-25	--	1	8	2	6	410	390	24	22	20

TABLE 4.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH, AT SANDY, UTAH--Continued

WATER-QUALITY DATA

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)
MAR. 1981										
26-26	2	.1	.1	.0	40	30	10	1.5	9.1	--
APR.										
10-10	--	.3	--	--	130	--	--	--	--	--
MAY										
03-03	25	.3	.3	.0	180	150	30	9.5	27	--
16-16	4	.0	.0	.0	30	20	6	--	5.0	--
20-20	4	.2	.2	.0	30	20	10	2.4	6.8	59
JUNE										
02-02	10	.2	.2	.0	110	90	20	8.3	8.8	242
12-12	6	.1	.1	.0	150	80	70	6.8	40	--
JULY										
10-10	0	.1	.1	.0	170	140	30	3.0	17	448
26-26	6	.5	.5	.0	400	240	160	--	--	1290
AUG.										
19-19	9	.2	.2	.0	340	320	23	--	--	846
21-21	8	.2	.2	.0	170	160	11	6.9	35	--
SEPT.										
05-05	12	.2	.2	.0	160	110	47	7.2	100	409
05-05	4	.1	.1	.0	170	160	6	5.9	9.0	--
24-24	4	.1	.1	.0	390	370	24	8.9	56	826
OCT.										
03-03	4	.0	.0	.1	70	40	27	2.1	28	69
08-08	4	.0	.0	.0	50	30	24	2.1	8.6	46
10-10	2	.1	.1	.0	170	150	18	3.9	44	274
11-11	1	.0	.0	.0	60	50	10	1.9	3.9	--
13-13	4	.1	.1	.0	70	40	35	1.7	17	47
28-29	2	.1	.1	.0	70	0	100	2.1	8.4	57
NOV.										
25-25	2	<.1	--	<.1	30	20	8	.6	5.9	3

TABLE 4.--Continued

10167230 JORDAN RIVER AT 9000 SOUTH, NEAR MIDVALE, UTAH

LOCATION.--Lat 40°35'15", long 111°54'43", in SW¼SW¼NE¼ sec. 2, T.3 S., R.1 W., Salt Lake County, Hydrologic Unit 16020204 on left bank 50 ft (15 m) upstream from bridge on Utah State Highway 177 (9000 South Street), 3,600 ft (1,100 m) downstream from diversion dam at head of North Jordan Canal, and about 1 mi (2 km) west of Sandy.

DRAINAGE AREA.--3,160 mi² (8,184 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1979 to September 1982.

GAGE.--Water-stage recorder. Datum of gage is 4,289.33 ft (1,307.388 m), Utah State Department of Highway Datum.

REMARKS.--Records good. Flow regulated. Diversions upstream for irrigation, municipal and industrial supplies.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 748 ft³/s (21.2 m³/s) Sept. 26, 1982, gage height, 4.81 ft (1.466 m); minimum, 9 ft³/s (0.25 m³/s) July 6, 1981.

EXTREMES FOR CURRENT PERIOD.--Water year 1981: Maximum discharge, 670 ft³/s (19.0 m³/s) March 29, gage height, 4.33 ft (1.320 m); minimum, 9 ft³/s (0.25 m³/s) July 6.

Water year 1982: Maximum discharge, 748 ft³/s (21.2 m³/s) Sept. 26, gage height, 4.81 ft (1.466 m); minimum, 33 ft³/s (0.93 m³/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	445	494	581	589	618	642	27	80	66	94	80
2	83	444	543	569	604	612	590	32	83	83	100	82
3	82	446	550	575	608	631	566	59	121	99	99	88
4	81	448	564	581	602	630	594	72	92	96	105	85
5	80	451	525	576	606	627	623	57	83	82	129	99
6	82	452	538	588	597	611	593	56	96	113	99	133
7	95	456	510	602	601	612	556	62	88	70	97	128
8	124	439	518	599	604	615	577	85	96	80	91	126
9	124	443	533	602	613	611	598	92	103	89	91	166
10	124	436	547	602	508	605	559	93	103	102	88	150
11	119	453	550	599	600	597	570	101	85	86	94	108
12	122	463	550	592	608	608	578	89	110	88	100	83
13	122	445	548	586	612	609	545	128	131	91	97	80
14	106	460	550	597	611	602	558	134	111	83	94	76
15	166	462	556	596	600	604	517	168	103	83	81	69
16	422	460	561	597	612	611	514	198	89	97	81	72
17	432	473	558	593	596	557	488	174	82	121	92	70
18	434	477	559	593	609	593	448	89	88	121	100	79
19	441	275	559	597	613	609	472	60	86	96	92	82
20	440	130	566	601	538	622	452	99	105	88	98	69
21	442	118	569	602	554	608	454	133	123	72	103	56
22	424	217	573	603	597	605	425	110	116	74	98	55
23	421	490	567	603	611	596	361	90	85	77	104	53
24	440	460	574	603	627	581	350	67	85	92	92	57
25	443	470	567	598	630	597	317	56	74	97	84	65
26	429	510	576	606	631	578	276	61	100	99	83	81
27	393	512	578	608	633	610	270	70	105	106	76	63
28	405	518	575	618	619	582	150	80	89	97	83	45
29	438	523	581	616	---	605	96	78	77	91	87	54
30	446	523	588	632	---	586	48	68	76	86	87	60
31	446	---	586	609	---	639	---	77	---	86	82	---
TOTAL	8498	12899	17213	18524	16833	18771	13787	2765	2865	2811	2901	2514
MEAN	274	430	555	598	601	606	460	89.2	95.5	90.7	93.6	83.8
MAX	446	523	588	632	633	639	642	198	131	121	129	166
MIN	80	118	494	569	508	557	48	27	74	66	76	45
AC-FT	16860	25590	34140	36740	33390	37230	27350	5480	5680	5580	5750	4990
CAL YR 1980	TOTAL	106650	MEAN 291	MAX 608	MIN 36	AC-FT 211500						
WTR YR 1981	TOTAL	120381	MEAN 330	MAX 642	MIN 27	AC-FT 238800						

TABLE 4.--Continued

10167230 JORDAN RIVER AT 9000 SOUTH, NEAR MIDVALE, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	213	238	326	372	473	596	497	370	289	288	92
2	66	213	243	298	386	483	555	488	366	241	222	84
3	78	213	240	285	388	497	594	504	370	235	228	65
4	100	211	245	301	374	503	552	447	351	232	147	63
5	78	209	247	326	356	509	552	380	344	240	110	73
6	63	211	247	220	380	517	534	385	413	304	86	73
7	60	218	248	261	391	519	509	355	397	300	87	67
8	74	213	250	266	391	518	577	346	346	311	86	61
9	60	216	252	264	399	517	569	331	353	282	93	56
10	67	220	257	264	391	517	574	397	368	260	82	95
11	78	220	233	265	399	533	591	436	363	249	70	124
12	66	221	245	271	408	477	632	412	370	243	73	83
13	59	226	248	279	410	527	603	407	381	235	77	88
14	56	221	255	285	418	539	603	425	383	206	82	68
15	122	124	257	289	425	563	519	397	405	205	87	61
16	198	90	247	304	435	565	544	399	409	193	78	56
17	192	83	262	340	442	586	604	354	405	195	92	50
18	184	80	266	348	444	590	573	331	405	180	97	49
19	190	83	271	351	453	584	528	383	398	177	94	47
20	195	200	278	356	456	552	571	383	382	154	81	88
21	190	225	264	371	460	552	580	384	372	154	92	219
22	184	221	254	357	459	548	576	357	386	148	80	227
23	190	220	278	359	448	546	588	333	373	158	79	224
24	187	225	291	363	448	550	593	330	350	164	82	225
25	181	177	284	365	461	546	595	330	334	161	92	235
26	195	228	287	376	469	558	522	339	324	150	90	396
27	197	255	280	376	464	549	537	336	323	153	90	452
28	201	240	273	381	467	563	500	295	325	210	84	437
29	218	225	297	341	---	576	453	370	325	303	89	318
30	206	233	348	377	---	575	554	344	314	324	84	334
31	211	---	322	383	---	584	---	370	---	308	84	---
TOTAL	4212	5934	8207	9948	11794	16716	16878	11845	11005	6964	3206	4510
MEAN	136	198	265	321	421	539	563	382	367	225	103	150
MAX	218	255	348	383	469	590	632	504	413	324	288	452
MIN	56	80	233	220	356	473	453	295	314	148	70	47
AC-FT	8350	11770	16280	19730	23390	33160	33480	23490	21830	13810	6360	8950
CAL YR 1981	TOTAL	100124	MEAN	274	MAX	642	MIN	27	AC-FT	198600		
WTR YR 1982	TOTAL	111219	MEAN	305	MAX	632	MIN	47	AC-FT	220600		

TABLE 4.--Continued

10167230 JORDAN RIVER AT 9000 SOUTH, NEAR MIDVALE, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1980 to September 1982.

WATER-QUALITY DATA

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI KF AGAR (COLS. PER 100 ML)
OCT. 1980									
26...	1445	440	--	--	--	--	--	<1	K200
DEC.									
03...	1310	547	13.0	5.5	--	--	--	31	K190
JAN. 1981									
14...	1445	602	-1.5	2.5	12.3	104	--	31	K80
FEB.									
24...	1330	631	17.5	7.5	10.8	108	40	<1	42
MAR.									
26...	1115	615	13.0	9.0	--	--	--	--	--
26...	1850	518	--	--	--	--	K30	<1	K50
26...	1910	500	4.5	8.0	9.0	91	--	--	--
27...	1030	616	4.5	7.0	9.9	97	--	--	--
APR.									
28...	1408	96	17.5	15.0	8.1	94	3200	K70	350
MAY									
11...	0150	97	--	--	--	--	2000	K820	K1950
11...	0247	97	12.5	13.5	7.1	80	--	--	--
19...	1945	55	--	--	--	--	--	--	--
19...	1958	55	17.5	16.5	8.6	105	--	--	--
20...	0910	100	11.0	13.0	7.3	83	--	--	--
20...	0930	103	10.5	13.0	7.3	83	--	--	--
20...	1035	99	14.0	13.0	7.9	90	--	--	--
20...	1135	99	11.0	13.0	7.9	90	--	--	--
20...	1900	112	12.5	14.0	9.1	106	200000	360	2000
21...	1000	151	9.0	10.0	8.4	88	--	--	--
JUNE									
04...	0940	109	16.5	14.0	8.7	94	58000	K770	660
23...	0950	85	30.5	18.0	7.3	106	K118000	K740	950
JULY									
15...	1005	89	26.5	16.0	8.6	101	K1700	400	340
AUG.									
12...	1025	97	23.0	18.0	7.6	95	2300	480	2400
SEPT.									
02...	0950	89	26.5	16.5	8.0	96	5100	218	4100
05...	0630	82	--	--	--	--	--	--	--
05...	0935	87	--	16.5	7.1	85	--	--	--
05...	1130	87	--	16.5	8.8	105	--	--	--
05...	1310	92	--	--	--	--	K12000	3000	6000
05...	1400	106	--	--	--	--	K7000	2400	K12800
05...	1610	130	--	17.0	8.0	96	--	--	--
05-05	1230	--	16.5	16.5	--	--	--	--	--
OCT.									
20...	1100	194	14.0	11.0	9.1	96	330	240	4200
NOV.									
17...	1215	82	20.0	12.0	10.6	115	200	K1	450
DEC.									
15...	0945	258	11.0	6.5	9.6	92	K170	K170	2700
JAN. 1982									
26...	1030	366	3.0	5.0	12.0	104	K160	K70	K1300
FEB.									
24...	1015	456	1.0	4.5	11.6	104	360	K70	3100
APR.									
07...	1000	486	3.0	6.0	10.8	102	230	K12	800
27...	1240	531	20.5	13.5	8.8	100	230	K24	400
MAY									
25...	0915	333	22.0	15.0	8.5	99	K8200	K180	9900
JUNE									
22...	1330	380	--	21.5	8.1	107	K1000	220	K80
JULY									
20...	1115	150	28.0	19.0	7.5	95	7000	700	2200
AUG.									
24...	1245	74	31.0	19.5	7.1	89	38000	760	1300
SEPT.									
07...	1515	52	--	21.0	--	--	--	--	--
07...	1640	52	--	21.5	--	--	--	--	--

K Results based on colony count outside the acceptable range (non-ideal colony count).

TABLE 4.--Continued

10167230 JORDAN RIVER AT 9000 SOUTH, NEAR MIDVALE, UTAH--Continued

WATER-QUALITY DATA											
DATE	TIME	END- ING TIME (2400 HOURS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TUR- BID- ITY (FTU)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)
OCT. 1980											
26...	1445	--	1560	8.1	--	26	--	290	250	1050	1050
DEC.											
03...	1310	--	1350	8.0	--	20	230	260	220	976	960
JAN. 1981											
14...	1445	--	1290	7.7	18	23	--	270	220	951	931
FEB.											
24...	1330	--	1590	8.2	25	32	210	250	210	900	899
MAR.											
26...	1115	--	1520	8.1	--	22	210	240	210	879	--
26...	1850	--	1520	--	--	--	--	--	--	--	--
26-26	1300	1700	1450	8.1	27	21	86	260	220	916	--
27...	1030	--	--	--	28	--	--	--	--	--	--
APR.											
28...	1408	--	1810	7.9	34	150	250	360	280	1220	--
MAY											
10-11	2300	1130	1860	7.5	46	33	250	370	280	1270	--
19...	1945	--	1980	8.0	20	35	270	420	300	1370	--
20-20	0800	2100	1890	8.1	25	16	270	380	280	1300	--
JUNE											
04...	0940	--	1310	7.7	32	50	190	250	210	877	--
23...	0950	--	1940	7.7	17	28	270	400	280	1320	--
JULY											
15...	1005	--	2210	7.5	20	32	280	420	310	1390	--
AUG.											
12...	1025	--	2120	7.8	22	86	230	380	310	1310	--
SEPT.											
02...	0950	--	2100	7.7	17	120	280	430	300	1410	--
05...	0630	--	2140	7.9	22	110	290	410	320	1460	--
05-05	1230	1830	2070	8.0	54	79	260	390	300	1360	--
OCT.											
20...	1100	--	1800	8.1	44	69	240	340	270	1220	--
NOV.											
17...	1215	--	2030	8.1	5.7	87	270	400	310	1410	--
DEC.											
15...	0945	--	1680	8.2	14	--	--	--	--	--	--
JAN. 1982											
26...	1030	--	1590	8.3	17	--	--	--	--	1090	--
FEB.											
24...	1015	--	1470	8.5	26	--	--	--	--	--	--
APR.											
07...	1000	--	1430	8.4	78	--	--	--	--	1000	--
27...	1240	--	1400	8.4	66	--	--	--	--	--	--
MAY											
25...	0915	--	1020	8.2	57	--	--	--	--	898	88
JUNE											
22...	1330	--	1400	8.4	36	22	220	230	200	910	104
JULY											
20...	1115	--	1720	8.2	18	20	270	290	260	1190	31
AUG.											
24...	1245	--	2070	8.1	10	19	296	410	300	575	342

TABLE 4.--Continued

10167230 JORDAN RIVER AT 9000 SOUTH, NEAR MIDVALE, UTAH--Continued

WATER-QUALITY DATA

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)
OCT. 1980										
26...	28	.64	.030	.090	.12	1.30	.00	1.3	1.2	2.0
DEC.										
03...	43	.78	.010	.090	.12	1.40	.00	1.5	1.4	2.3
JAN. 1981										
14...	59	.51	.010	.080	.10	1.30	.35	.95	.87	1.5
FEB.										
24...	60	.21	.000	.030	.04	1.50	.50	1.0	.97	1.2
MAR.										
26...	49	.27	.010	.130	.17	1.10	.33	.77	.64	1.1
26...	--	--	--	--	--	--	--	--	--	--
26-26	46	.29	.010	.140	.18	1.30	.38	.92	.78	1.2
APR.										
28...	47	.98	.020	.160	.21	1.80	.85	.95	.79	2.0
MAY										
10-11	67	.98	.020	.100	.13	1.10	.10	1.0	.90	2.0
19...	36	1.20	.030	.120	.15	.93	.11	.82	.70	2.0
20-20	42	1.10	.010	.120	.15	1.20	.10	1.1	.98	2.2
JUNE										
04...	36	.87	.020	.360	.46	1.20	.10	1.1	.74	2.0
23...	28	1.10	.030	.130	.17	1.20	.00	1.2	1.1	2.3
JULY										
15...	35	1.20	.030	.150	.19	1.60	.50	1.1	.95	2.3
AUG.										
12...	30	.97	.030	.190	.24	1.80	.20	1.6	1.4	2.6
SEPT.										
02...	18	1.30	.040	.140	.18	1.10	.26	.84	.70	2.1
05...	26	1.20	.040	.130	.17	1.00	.06	.94	.81	2.1
05-05	152	.95	.030	<.070	.09	2.00	--	<.22	--	--
OCT.										
20...	53	1.10	.030	.100	.13	1.00	.00	1.1	1.0	2.2
NOV.										
17...	5	1.80	.040	.160	.21	.79	.13	.66	.50	2.5
JAN. 1982										
26...	23	--	--	.100	.13	--	--	.73	.63	1.5
FEB.										
24...	--	--	--	--	--	--	--	--	--	--
APR.										
07...	123	--	--	.180	.23	--	--	.94	.76	1.6
MAY										
25...	--	--	.140	.18	--	--	1.1	.96	1.8	.080
JUNE										
22...	--	<.020	.070	.09	--	--	1.0	.93	1.7	.130
JULY										
20...	1.10	.020	.070	.09	--	--	1.1	1.0	2.2	.220
AUG.										
24...	1.40	.020	<.060	.08	1.30	.60	.70	--	2.1	.130

TABLE 4.--Continued

10167230 JORDAN RIVER AT 9000 SOUTH, NEAR MIDVALE, UTAH--Continued

WATER-QUALITY DATA

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT. 1980										
26...	.100	.100	<1	6	10	<10	<10	10	--	<10
DEC.										
03...	.070	.030	<1	3	8	<10	<10	7	--	<10
JAN. 1981										
14...	.080	.030	1	14	10	<10	13	18	0	20
FEB.										
24...	.160	.030	1	0	12	<10	20	9	--	<10
MAR.										
26...	.120	.020	<1	10	100	4	10	0	0	1
26...	--	--	--	--	--	--	--	--	--	--
26-26	.130	.040	<1	20	8	4	10	4	4	0
27...	--	--	--	--	--	--	--	--	--	--
APR.										
28...	.140	.070	<1	10	10	3	10	0	0	0
MAY										
10-11	.210	.070	<1	10	7	2	10	22	6	16
19...	.120	.050	0	10	6	2	0	3	0	4
20-20	.130	.040	<1	10	7	2	<10	5	3	2
JUNE										
04...	.160	.060	<1	20	14	2	10	26	16	10
23...	.180	.130	<1	20	8	4	10	5	5	0
JULY										
15...	.120	.090	0	10	7	3	40	8	3	5
AUG.										
12...	.190	.040	0	0	10	2	50	12	11	1
SEPT.										
02...	.130	.060	0	0	9	6	40	15	12	3
05...	.150	.050	0	10	7	6	170	5	1	4
05-05	.220	.060	0	10	16	2	50	59	57	2
OCT.										
20...	.070	.040	<1	20	21	13	11	10	8	2
NOV.										
17...	.050	.040	<30	10	5	3	10	1	--	<1
JAN. 1982										
26...	.040	.010	<1	--	--	2	--	--	--	--
FEB.										
24...	--	--	--	--	--	--	--	--	--	--
APR.										
07...	.190	.070	<1	--	--	1	--	--	--	--
MAY										
25...	--	.080	<1	--	--	2	--	--	--	--
JUNE										
22...	--	.050	<1	10	8	1	5	6	--	<1
JULY										
20...	--	.200	<1	10	7	2	10	2	1	1
AUG.										
24...	--	.050	10	<10	22	2	30	<1	--	2

TABLE 4.--Continued

10167230 JORDAN RIVER AT 9000 SOUTH, NEAR MIDVALE, UTAH--Continued

WATER-QUALITY DATA

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT. 1980										
26...	--	--	--	40	20	22	1.4	7.0	--	--
DEC.										
03...	--	--	--	20	--	<3	1.2	6.0	--	--
JAN. 1981										
14...	.2	.1	.1	20	7	13	.7	12	16	26
FEB.										
24...	.1	.1	.0	30	20	8	2.7	11	104	177
MAR.										
26...	.1	.1	.0	50	40	8	1.0	8.9	--	--
26...	--	--	--	--	--	--	--	--	68	95
26-26	.1	.1	.0	110	90	20	1.2	6.5	--	--
27...	--	--	--	--	--	--	--	--	--	--
APR.										
28...	.3	.3	.0	30	0	70	1.2	33	66	17
MAY										
10-11	.0	.0	.1	80	60	20	1.7	14	287	--
19...	.1	.1	.0	20	10	10	--	21	--	--
20-20	.2	.2	.0	20	10	10	.6	48	--	--
JUNE										
04...	.2	.2	.0	50	30	20	.9	7.1	130	38
23...	.1	.1	.0	40	20	20	.7	12	50	11
JULY										
15...	.1	.1	.0	40	20	20	--	4.4	1100	264
AUG.										
12...	.0	.0	.0	50	30	20	1.6	4.6	257	67
SEPT.										
02...	.0	.0	.0	40	10	30	.9	17	73	18
05...	.0	.0	.0	90	60	30	2.0	4.9	258	57
05-05	.0	.0	.0	50	40	10	3.6	7.3	342	--
OCT.										
20...	.1	.0	.1	50	0	51	2.5	6.4	337	177
NOV.										
17...	.1	--	<.1	10	0	10	.3	9.0	386	85
JAN. 1982										
26...	--	--	--	--	--	20	1.2	--	60	59
FEB.										
24...	--	--	--	--	--	--	--	--	104	128
APR.										
07...	--	--	--	--	--	10	1.9	--	279	366
MAY										
25...	--	--	--	--	--	10	1.1	--	305	274
JUN										
22...	.2	--	<.1	30	10	18	1.3	5.2	208	213
JUL										
20...	.3	--	<.1	20	10	10	1.1	4.6	303	123
AUG										
24...	.1	--	<.1	20	0	20	.9	4.8	31	6.2

TABLE 4.--Continued

10167230 JORDAN RIVER AT 9000 SOUTH, NEAR MIDVALE, UTAH--Continued

WATER-QUALITY DATA							
DATE	TIME	END- ING TIME (2400 HOURS)	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)
FEB. 1981							
24...	1330	--	15	27	.15	.06	--
MAR.							
26...	1115	--	4.6	7.2	.20	.08	10
26-26	1300	1700	5.0	8.4	.18	.08	20
APR.							
28...	1408	--	3.4	5.4	.19	.08	10
MAY							
10-11	2300	1130	2.6	4.8	.15	.06	10
19...	1945	--	4.6	4.0	.17	.08	9
20-20	0800	2100	4.6	6.0	.29	.13	10
JUNE							
04...	0940	--	4.8	8.0	.19	.08	10
23...	0950	--	2.8	5.6	.14	.06	13
JULY							
15...	1005	--	2.8	8.0	.08	.04	0
AUG.							
12...	1025	--	--	--	--	--	0
SEPT.							
02...	0950	--	12	20	.20	.08	0
05...	0630	--	1.8	29	.02	.00	5
05-05	1230	1830	4.6	18	.06	.02	9
OCT.							
20...	1100	--	6.4	12	.16	.08	18
NOV.							
17...	1215	--	12	20	.18	.08	9
DEC.							
15...	0945	--	22	38	.18	.08	--
JAN. 1982							
26...	1030	--	7.3	11	.20	.08	--
FEB.							
24...	1015	--	22	--	.02	.02	--
APR.							
07...	1000	--	15	21	.24	.11	--
27...	1240	--	3.8	6.8	.17	.08	--
MAY							
25...	0915	--	1.9	3.0	.21	.10	--
JUNE							
22...	1330	--	2.7	5.4	.14	.06	--
JULY							
20...	1115	--	4.9	11	.12	.06	--
AUG.							
24...	1245	--	6.0	11	.16	.08	--

TABLE 4.--Continued

10167230 JORDAN RIVER AT 9000 SOUTH, NEAR MIDVALE, UTAH--Continued

WATER-QUALITY DATA

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, SUS- PENDE RECov- ERABLE (UG/L AS CU)	IRON, TOTAL RECov- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECov- ERABLE (UG/L AS FE)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR. 1981						
26...	0	96	670	660	--	--
26-26	0	4	600	590	--	--
APR.						
28...	0	7	960	950	--	--
MAY						
10-11	0	5	1600	1600	--	--
19...	1	4	690	690	--	--
20-20	0	5	820	--	--	--
JUNE						
04...	10	12	2100	2100	3.53	.000
23...	7	4	590	580	12.6	.000
JULY						
15...	12	4	1100	1100	10.0	.000
AUG.						
12...	0	8	1300	1300	30.9	<.010
SEPT.						
02...	1	3	770	730	12.4	<.010
05...	5	1	730	560	--	--
05-05	1	14	770	720	--	--
OCT.						
20...	2	8	1400	1400	52.0	12.2
NOV.						
17...	1	2	180	170	3.00	<.100
APR. 1982						
27...	--	--	--	--	22.7	<.100
MAY						
25...	--	--	--	--	4.40	<.100
JUNE						
22...	<1	7	1700	1700	9.00	<.100
JULY						
20...	<1	5	1000	990	7.80	<.100
AUG.						
24...	<1	20	380	350	11.0	<.100

DATE	TIME	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	ALUM- INUM, TOTAL RECov- ERABLE (UG/L AS AL)
OCT. 1980												
26...	1445	450	220	--	83	59	180	4.2	17	.7	29	560
DEC.												
03...	1310	420	190	--	76	56	160	3.8	19	.7	25	200
JAN. 1981												
14...	1445	420	240	--	75	56	160	3.9	13	.8	24	220
FEB.												
24...	1330	410	120	--	72	55	150	3.7	13	.5	20	540
AUG.												
12...	1025	640	--	410	140	70	--	--	--	--	--	--
OCT.												
20...	1100	540	--	300	110	64	200	4.2	--	--	--	--
NOV.												
17...	1215	660	--	390	150	70	190	3.2	--	--	--	--
JUNE 1982												
22...	1330	400	--	180	79	49	140	3.4	14	--	--	--
JULY												
20...	1115	520	--	250	110	60	180	3.8	17	--	--	--
AUG.												
24...	1245	650	--	350	140	72	210	3.6	--	--	--	--

TABLE 4.--Continued

10167230 JORDAN RIVER AT 9000 SOUTH, NEAR MIDVALE, UTAH--Continued

WATER-QUALITY DATA

		BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT. 1980													
26...		90	<1	0	--	--	<3	170	4	<10	0	1200	<6.0
DEC.													
03...		110	<1	0	--	2	<3	150	4	<10	0	1200	<6.0
JAN. 1981													
14...		90	<1	0	0	0	<3	160	7	12	0	1200	6.0
FEB.													
24...		70	<1	1	0	0	<3	120	4	11	0	830	<3.0
NOV.													
17...		<100	--	<1	--	--	--	--	--	--	<1	--	--
JUNE 1982													
22...		79	--	1	--	--	--	--	--	--	1	--	--
JULY													
20...		71	--	1	--	--	--	--	--	--	1	--	--
AUG.													
24...		100	--	<1	--	--	--	--	--	--	<1	--	--
DATE		TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC IN BOT- TOM MA- TERIAL (UG/G AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BERYL- LIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	BORON, DIS- SOLVED (UG/L AS B)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	
NOV. 1981													
17...		1215	15	--	100	--	--	370	--	--	--	--	--
JUNE 1982													
22...		1330	11	--	<100	--	--	270	--	--	--	--	--
JULY													
20...		1115	17	--	100	30	--	370	--	--	--	--	--
AUG.													
24...		1245	20	6	<100	--	<1	420	<1	2	11	20	
DATE		MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	SILVER, DIS- SOLVED (UG/L AS AG)	SILVER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS AG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PHENOLS (UG/L)	
NOV. 1981													
17...		--	3	0	4	--	<1	--	--	<.01	--	1	
JUNE 1982													
22...		--	2	0	2	--	<1	--	--	<.01	--	2	
JULY													
20...		--	3	1	2	--	<1	--	--	<.01	--	2	
AUG.													
24...		.03	2	0	2	<1	<1	<1	25	<.01	<1.0	3	
DATE		PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
AUG. 1982													
24...		2	<.1	<1.0	.2	.5	<.1	<.1	<.1	<.1	<.1		
DATE		HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
AUG. 1982													
24...		<.1	<.1	7.4	<.1	<10	<.1	<.1	<.1	<1.00	<.1		

TABLE 4.--Continued

10167230 JORDAN RIVER AT 9000 SOUTH, NEAR MIDVALE, UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	BENZENE TOTAL (UG/L)	BROM- OFORM TOTAL (UG/L)	CARBON- TETRA- CHLO- RIDE TOTAL (UG/L)	CHLORO- BENZENE TOTAL (UG/L)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L)	CHLORO- ETHANE TOTAL (UG/L)	CHLORO- OFORM TOTAL (UG/L)	DI- CHLORO- BROMO- METHANE TOTAL (UG/L)
JUNE 1982										
22...	1330	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AUG.										
24...	1245	29000	--	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0
DATE	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L)	ETHYL- BENZENE TOTAL (UG/L)	METHYL- BROMIDE TOTAL (UG/L)	METHYL- ENE CHLO- RIDE TOTAL (UG/L)	TETRA- CHLORO- ENE ETHYL- TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L)	TRI- CHLORO- FLOURO- METHANE TOTAL (UG/L)	VINYL CHLO- RIDE TOTAL (UG/L)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L)
JUNE 1982										
22...	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AUG.										
24...	<1.0	<1.0	<1.0	--	<1.0	--	<1.0	<1.0	<1.0	<1.0
DATE	1,1-DI- CHLORO- ETHANE TOTAL (UG/L)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L)	1,1,2,2 TETRA- CHLORO- ETHANE TOTAL (UG/L)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L)	1,3-DI- CHLORO- PROPENE TOTAL (UG/L)	CHLORO- ETHYL- ENE TOTAL (UG/L)	2- CHLORO- ETHYL- VINYL- ETHER TOTAL (UG/L)	
JUNE 1982										
22...	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
AUG.										
24...	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
DATE	TIME	SED. TOTAL, FALL DIAM. % FINER THAN .002 MM	SED. TOTAL, FALL DIAM. % FINER THAN .004 MM	SED. TOTAL, FALL DIAM. % FINER THAN .016 MM	SED. TOTAL, FALL DIAM. % FINER THAN .062 MM					
JUNE 1982										
22...	1330	32	41	50	65					
JULY										
20...	1115	29	33	43	50					
AUG.										
24...	1245	--	--	28	85					

TABLE 4.--Continued

10167230 JORDAN RIVER AT 9000 SOUTH, NEAR MIDVALE, UTAH--Continued

PHYTOPLANKTON ANALYSES		
DATE	AUG 24, 82	
TIME	1245	
TOTAL CELLS/ML	29000	
DIVERSITY: DIVISION	0.7	
.CLASS	0.7	
..ORDER	1.7	
...FAMILY	1.7	
....GENUS	2.2	
ORGANISM	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)		
.BACILLARIOPHYCEAE		
..BACILLARIALES		
...NITZSCHIA	1200	4
...EUPODISCALES		
...COSCINODISCAEAE		
....CYCLOTELLA	250	1
....MELOSIRA	200	1
...FRAGILARIALES		
...FRAGILARIAEAE		
....SYNEDRA	250	1
...NAVICULALES		
...NAVICULACEAE		
....NAVICULA	2100	7
CHLOROPHYTA (GREEN ALGAE)		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...CHLOROCOCCACEAE		
....SCHROEDERIA	*	0
...VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	*	0
CHRYSTOPHYTA		
.XANTHOPHYCEAE		
..MISCHOCOCCALES		
...SCIADACEAE		
....OPHIOCITUM	150	1
CRYPTOPHYTA (CRYPTOMONADS)		
.CRYPTOPHYCEAE		
..CRYPTOMONADALES		
...CRYPTOCHRYSIDACEAE		
....CHROOMONAS	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)		
.CYANOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
....ANACYSTIS	2500	8
....GOMPHOSPHAERIA	12000#	42
...NOSTOCALES		
...NOSTOCACEAE		
....ANABAENA	9400#	32
....APHANIZOMENON	740	3

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

TABLE 4.--Continued

10167240 NINETIETH SOUTH CONDUIT AT JORDAN RIVER, NEAR MIDVALE, UTAH

LOCATION.--Lat 40°35'16", long 111°54'42", in SW¼SE¼NE¼ sec. 2, T.3 S., R.1 W., Salt Lake County, Hydrologic Unit 16020204, in middle of energy dissipator, 20 ft (6 m) downstream from bridge on Utah State Highway 177 (9000 South Street) and about 1 mi (2 km) west of Sandy.

DRAINAGE AREA.--0.3 mi² (0.8 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1980 to September 1981.

GAGE.--Water-stage recorder and modified v-notch weir. Datum of gage is 4,293 ft (1,309 m) from Utah State Department of Highway Datum.

REMARKS.--Records fair. Flow regulated by diversions from East Jordan Canal and Jordan and Salt Lake City Canal, in addition to pickup from storm drains.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 100 ft³/s (2.83 m³/s) June 1, 1980, gage height, 1.33 ft (0.405 m); minimum, 0.01 ft³/s (0.0003 m³/s) June 30, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 58 ft³/s (1.64 m³/s) Apr. 20, gage height, 1.15 ft (0.351 m); minimum, 0.29 ft³/s (0.008 m³/s) Oct. 3-12, July 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.46	9.3	11	.99	1.3	.90	1.4	.77	1.4	1.1	1.4	1.6
2	.45	9.3	8.0	1.1	1.1	.99	1.6	.81	1.5	2.2	1.2	1.6
3	.32	9.4	5.0	.95	1.1	1.3	1.7	2.6	6.3	1.5	1.1	1.3
4	.32	9.1	4.0	1.2	1.0	.98	1.3	.74	5.5	1.4	.79	1.3
5	.37	9.4	3.0	1.1	1.0	.92	1.2	.77	1.4	1.4	.62	3.4
6	.31	9.7	2.3	.95	1.0	.85	1.0	.84	.89	1.4	.97	25
7	.34	10	1.8	1.0	.97	.83	1.0	.89	.95	1.1	1.2	3.7
8	.31	9.4	1.2	1.1	.90	.84	.98	5.9	.84	1.1	1.2	8.8
9	.42	8.0	1.3	1.3	.95	.82	.97	.95	.93	1.2	1.5	6.5
10	.30	9.0	1.2	1.3	.90	.81	1.2	1.1	1.2	1.2	1.5	5.1
11	.29	10	1.5	1.3	.86	.79	1.0	1.3	1.3	1.2	4.5	5.9
12	.42	13	1.4	1.1	.89	.79	1.1	1.3	.98	1.0	2.6	8.8
13	.65	10	1.3	1.2	.87	.79	1.3	1.5	.67	1.0	1.5	13
14	.40	9.8	1.2	1.4	.83	.79	1.1	3.1	1.2	1.2	5.1	12
15	.64	9.9	1.1	1.1	.76	.79	1.2	17	1.3	1.3	7.6	10
16	.40	9.3	1.2	1.1	.79	1.0	1.1	24	1.3	1.5	8.0	12
17	1.7	9.3	1.2	1.2	.78	.94	1.0	21	1.3	2.0	7.0	16
18	6.5	9.3	1.1	1.1	.77	.81	.96	4.2	1.3	2.8	7.6	15
19	9.0	8.8	1.3	1.1	.79	.72	1.2	5.5	1.3	1.7	4.4	14
20	8.4	5.5	1.1	.99	.74	1.3	12	34	26	2.4	.94	8.5
21	8.7	12	1.0	1.0	.70	.99	12	39	7.7	2.0	2.0	3.4
22	8.9	11	1.2	1.1	.74	.79	1.6	37	1.2	3.4	1.7	1.3
23	7.6	11	1.1	1.1	.71	.71	11	37	1.1	4.7	4.0	1.3
24	8.7	12	1.0	1.1	.81	.70	39	14	1.2	1.1	1.9	1.3
25	9.1	11	1.0	1.1	.93	.71	16	1.1	1.1	1.3	.68	1.2
26	9.8	11	1.1	1.0	1.4	1.3	.80	1.5	.74	2.2	.70	1.2
27	8.5	11	1.0	.98	1.2	2.5	.74	1.1	.47	4.0	1.1	1.1
28	8.0	11	1.0	1.0	.95	1.3	.70	.90	.62	3.4	2.6	1.0
29	8.9	12	.95	1.2	---	1.6	.77	.92	.97	3.7	3.4	.96
30	9.7	11	.85	1.5	---	3.8	.75	1.0	1.0	1.2	1.4	.93
31	9.3	---	.84	1.3	---	1.8	---	1.0	---	2.7	1.2	---
TOTAL	129.20	300.5	62.24	34.96	25.74	34.16	117.67	262.79	73.66	59.4	81.40	187.19
MEAN	4.17	10.0	2.01	1.13	.92	1.10	3.92	8.48	2.46	1.92	2.63	6.24
MAX	9.8	13	11	1.5	1.4	3.8	39	39	26	4.7	8.0	25
MIN	.29	5.5	.84	.95	.70	.70	.70	.74	.47	1.0	.62	.93
AC-FT	256	596	123	69	51	68	233	521	146	118	161	371

WTR YR 1981 TOTAL 1368.91 MEAN 3.75 MAX 39 MIN .29 AC-FT 2720

TABLE 4.--Continued

10167240 NINETIETH SOUTH CONDUIT AT JORDAN RIVER, NEAR MIDVALE, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1980 to September 1981.

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	ALKA- LINEITY LAB (MG/L AS CAC03)
OCT. 1980												
26...	0846	--	9.2	1340	8.2	--	--	22	--	--	--	210
26...	1345	--	11	--	--	--	--	--	--	--	--	--
26...	1446	--	12	930	8.3	--	--	44	--	K800	--	--
26...	1845	--	11	1160	8.4	--	--	26	--	--	--	--
MAR. 1981												
26...	0738	--	.79	2010	7.8	--	9.0	8	--	--	--	310
26...	1313	--	2.2	--	--	--	8.0	--	K13000	K12400	K1500	--
26...	1635	--	2.7	--	--	--	5.0	--	K820	280	4400	--
26-26	1245	1800	--	610	7.2	--	--	64	--	--	--	96
MAY												
11...	0120	--	2.0	--	--	14.0	13.0	--	78000	K700	5200	--
11-11	0001	0600	--	1180	7.3	--	--	32	--	--	--	190
19...	1915	--	7.9	710	8.1	21.0	15.5	52	--	--	--	140
20...	1840	--	31	--	--	--	--	--	2200	400	50000	--
20-20	0810	1740	--	1250	8.2	--	--	41	--	--	--	200
SEPT.												
05...	0625	--	1.3	--	--	--	--	--	--	--	--	--
05...	1310	--	3.4	--	--	--	--	--	>8000	K16000	K14800	--
05...	1340	--	3.4	--	--	--	--	--	>8000	K14000	88000	--
05-05	1200	1500	--	730	7.4	--	--	220	--	--	--	130

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)
OCT. 1980									
26...	220	200	785	854	6	.66	.010	.140	.18
26...	--	--	--	--	--	--	--	--	--
26...	150	140	586	581	22	.64	.040	.110	.14
26...	190	180	732	735	6	.59	.020	.030	.04
MAR. 1981									
26...	440	250	1380	--	2	3.40	.000	.120	.15
26...	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--
26-26	100	62	351	--	102	1.20	.040	.460	.59
MAY									
11-11	220	160	757	--	131	1.50	.020	.180	.23
19-19	120	77	444	--	20	.89	.000	.090	.12
20-20	220	190	790	--	80	.54	.050	.230	.30
SEPT.									
05...	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--
05-05	120	90	448	--	510	.81	.030	.280	.36

K Results based on colony count outside the acceptable range (non-ideal colony count).

TABLE 4.--Continued

10167240 NINETIETH SOUTH CONDUIT AT JORDAN RIVER, NEAR MIDVALE, UTAH--Continued

WATER-QUALITY DATA

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	
OCT. 1980												
26...	1.50	.00	1.5	1.4	2.2	.210	.050	1	3	--	--	
26...	--	--	--	--	--	--	--	--	--	--	--	
26...	1.80	.10	1.7	1.6	2.4	.250	.030	<1	9	15	1	
26...	1.10	.10	1.0	.97	1.6	.220	.080	<1	3	8	--	
MAR. 1981												
26...	1.20	.20	1.0	.88	4.4	.090	.080	<1	10	6	0	
26...	--	--	--	--	--	--	--	--	--	--	--	
26...	--	--	--	--	--	--	--	--	--	--	--	
26-26	1.50	.30	1.2	.74	2.4	.400	.200	2	20	38	28	
MAY												
11-11	1.20	.40	.80	.62	2.3	.200	.080	<1	10	10	6	
19...	1.30	.74	.56	.47	1.5	.100	.040	<1	10	11	9	
20-20	1.30	.41	.89	.66	1.5	.180	.070	<1	10	10	8	
SEPT.												
05...	--	--	--	--	--	--	--	--	--	--	--	
05...	--	--	--	--	--	--	--	--	--	--	--	
05...	--	--	--	--	--	--	--	--	--	--	--	
05-05	5.00	2.6	2.4	2.1	3.2	1.00	.080	<1	20	130	120	
DATE	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT. 1980												
26...	13	<10	--	--	<10	60	40	16	.7	20	--	--
26...	--	--	--	--	--	--	--	--	--	--	50	1.5
26...	14	21	54	--	<10	80	60	20	1.1	14	--	--
26...	<10	11	13	--	<10	30	20	12	1.3	8.7	--	--
MAR. 1981												
26...	6	40	12	4	8	70	30	40	.2	6.6	--	--
26...	--	--	--	--	--	--	--	--	--	--	314	1.9
26...	--	--	--	--	--	--	--	--	--	--	135	.98
26-26	10	30	220	220	4	240	200	40	1.5	13	--	--
MAY												
11-11	4	20	31	17	14	80	50	30	1.4	8.7	183	--
19...	2	10	22	16	6	50	20	30	--	9.7	--	--
20-20	2	<10	15	13	2	20	10	10	--	14	--	--
SEPT.												
05...	--	--	--	--	--	--	--	--	--	--	276	1.0
05...	--	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--	--
05-05	8	63	790	780	6	670	640	28	36	14	1010	--
DATE	TIME	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	
OCT. 1980												
26...	0846	380	170	63	54	150	3.8	14	.7	22	200	
26...	1446	250	110	43	34	98	3.1	10	.5	17	400	
26...	1845	310	140	51	44	130	3.7	13	.6	20	180	
DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	
OCT. 1980												
26...	100	<1	--	--	<3	130	2	<10	--	960	<6.0	
26...	90	<1	53	--	<3	94	12	<10	0	710	<6.0	
26...	100	<1	1	--	<3	120	7	<10	0	900	<6.0	

TABLE 4.--Continued

10167240 NINETIETH SOUTH CONDUIT AT JORDAN RIVER, NEAR MIDVALE, UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	TUR- BID- ITY (FTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C
MAR. 1981									
26...	0738	--	--	--	--	1.4	3.4	.11	.04
26-26	1245	1800	--	--	--	14	21	.23	.10
MAY									
11-11	0001	0600	54	--	--	3.6	5.8	.18	.08
19...	1915	--	--	--	--	2.4	4.0	.17	.08
20-20	0810	1740	--	--	--	4.0	6.4	.20	.08
SEPT.									
05...	0625	--	--	--	--	21	56	.10	.04
05-05	1200	1500	--	--	--	16	39	.11	.04
DATE	AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L	CHRO- MIUM, SUS- PENDE RECOV. (UG/L	CHRO- MIUM, DIS- SOLVED (UG/L	IRON, TOTAL RECOV- ERABLE (UG/L	IRON, SUS- PENDE RECOV- ERABLE (UG/L	MERCURY TOTAL RECOV- ERABLE (UG/L	MERCURY SUS- PENDE RECOV- ERABLE (UG/L	MERCURY DIS- SOLVED (UG/L
MAR. 1981									
26...	--		10	0	80	40	.1	.1	.0
26-26	--		20	0	3300	3300	.1	.0	.1
MAY									
11-11	--		10	0	1500	1500	.0	.0	.0
19...	--		10	0	560	550	.1	.1	.0
20-20	--		10	0	1300	--	.1	.1	.0
SEPT.									
05...	--		--	--	--	--	--	--	--
05-05	--		19	1	19000	19000	.3	.3	.0

TABLE 4.--Continued

10167244 OVERLAND-FLOW BASIN OUTFALL AT JORDAN RIVER AND 8900 SOUTH, NEAR MIDVALE, UTAH

LOCATION.--Lat 40°35'17", long 111°54'42", in SW¼SE¼NE¼ sec. 2, T.3 S., R.1 W., Salt Lake County, Hydrologic Unit 16020204, on left bank of detention basin outfall at Jordan River, 250 ft (76 m) downstream from inflow station 10167240, 270 ft (82 m) downstream from bridge on Utah State Highway 177 (9000 South Street), and 1 mi (2 km) west of Sandy.

DRAINAGE AREA.--0.3 mi² (0.8 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July to September 1981.

GAGE.--Water-stage recorder and H-flume. Datum of gage is 4,292.6 ft (1,308.4 m) from Utah State Department of Highway Datum.

REMARKS.--Records good. Flow regulated by diversions from East Jordan Canal and Jordan and Salt Lake City Canal, in addition to pickup from storm drains.

EXTREMES FOR CURRENT PERIOD.--Maximum discharge, 30 ft³/s (0.85 m³/s) Sept. 6, gage height, 2.80 ft (0.853 m); minimum, 0.04 ft³/s (0.001 m³/s) Aug. 4, 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										---	1.2	1.6
2										---	.78	1.6
3										---	.42	1.1
4										---	.23	1.1
5										---	.05	2.4
6										---	.23	14
7										---	.51	2.7
8										---	.63	8.4
9										---	1.4	5.8
10										---	1.4	4.4
11										---	4.1	5.1
12										---	2.7	8.0
13										---	1.7	12
14										---	.83	4.2
15										---	.80	6.5
16										---	1.5	7.4
17										---	2.2	5.9
18										---	2.8	6.7
19										---	1.7	3.8
20										---	1.8	.88
21										---	1.3	1.9
22										---	2.8	1.7
23										---	2.9	3.1
24										---	.58	2.1
25										---	.91	.14
26										---	1.9	.16
27										---	3.0	.54
28										---	2.8	2.3
29										---	2.9	2.5
30										---	.62	1.2
31										---	2.7	.83
TOTAL										---	67.20	160.22
MEAN										---	2.17	5.34
MAX										---	7.4	15
MIN										---	.05	.69
AC-FT										---	133	318

TABLE 4.--Continued

10167244 OVERLAND-FLOW BASIN OUTFALL AT JORDAN RIVER AND 8900 SOUTH, NEAR MIDVALE, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 1981.

WATER-QUALITY DATA											
DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
SEPT. 1981											
05...	0640	--	.60	1660	7.9	--	18.5	120	250	310	230
05-05	1200	1630	--	580	7.4	--	--	160	130	83	69
	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, NITRITE SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
SEPT. 1981											
05...	1120	29	1.40	--	--	.100	1.20	1.5	--	2.80	1.8
05-05	360	476	.77	--	--	.170	<.070	.09	--	.98	.00
	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, DIS- TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)
SEPT. 1981											
05...	.99	--	.00	2.5	.370	.030	<1	0	13	4	9
05-05	1.2	--	--	2.1	.730	.080	<1	20	110	100	8
	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
SEPT. 1981											
05...	21	15	10	5	60	20	44	7.7	18	202	.33
05-05	67	530	520	8	510	470	38	8.4	17	590	--
	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20 C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20 C	CHRO- MIUM SUS- PENDED RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
SEPT. 1981											
05...	12	45	.06	.02	0	4	1100	1100	.0	.0	.0
05-05	19	42	.12	.06	20	0	14000	14000	.1	.1	.0

TABLE 4.--Continued

10167300 JORDAN RIVER AT 5800 SOUTH, NEAR SALT LAKE CITY, UTAH

LOCATION.--Lat 40°38'43", long 111°55'18", in NE¼SW¼ sec. 14, T.2 S., R.1 W., Salt Lake County, Hydrologic Unit 16020204, at bridge at 5800 South, and 2.3 mi (3.7 km) southwest of Murray.

DRAINAGE AREA.--3,240 mi² (8,390 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1965 to September 1968, February 1974 to March 1980 (gage heights and discharge measurements only), April 1980 to September 1982.

GAGE.--Water-stage recorder. Datum of gage is 4,257.93 ft (1,297.817 m) National Geodetic Vertical Datum of 1929 (Salt Lake County benchmark).

REMARKS.--Records good. Flow affected by regulation at Utah Lake and Jordan Narrows. Many diversions above station for irrigation and industry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,030 ft³/s (29.2 m³/s) Sept. 26, 1982, gage height, 4.04 ft (1.23 m); minimum daily, 68 ft³/s (1.92 m³/s) Apr. 17, 1966.

EXTREMES FOR CURRENT PERIOD.--Water year 1981: Maximum discharge, 785 ft³/s (22.2 m³/s) Mar. 30, gage height, 3.56 ft (1.085 m); minimum, 110 ft³/s (3.12 m³/s) Apr. 29, 30.

Water year 1982: Maximum discharge, 1,030 ft³/s (29.2 m³/s) Sept. 26, gage height, 4.04 ft (1.231 m); minimum, 132 ft³/s (3.74 m³/s) Oct. 14, 15 and Nov. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	164	481	548	639	654	692	692	118	158	146	152	135
2	154	482	605	631	669	688	643	118	160	164	162	135
3	149	484	620	631	673	717	605	135	190	178	154	145
4	152	484	631	639	665	709	643	138	178	168	162	160
5	148	488	602	635	669	705	673	128	168	158	186	180
6	153	492	612	646	665	684	646	128	168	182	182	200
7	159	495	580	665	669	681	591	129	162	148	150	222
8	179	484	587	658	677	688	612	160	158	166	140	224
9	184	482	605	665	688	684	646	164	168	172	140	258
10	186	478	624	665	569	677	587	158	168	184	140	243
11	182	491	627	662	662	665	591	166	154	168	145	202
12	187	523	624	658	677	677	609	174	170	164	150	160
13	194	496	616	650	681	681	576	200	188	164	150	130
14	178	507	612	665	681	673	591	206	186	152	145	130
15	213	513	616	662	662	681	548	246	182	148	145	130
16	448	510	624	665	677	692	540	288	166	162	145	135
17	472	523	620	658	662	631	523	246	156	202	145	140
18	474	527	624	658	677	658	472	186	154	198	155	145
19	484	346	624	662	684	673	495	168	150	174	160	170
20	483	197	624	669	598	696	475	202	176	162	165	165
21	482	176	631	673	605	681	478	234	182	142	165	158
22	465	216	639	673	658	681	434	211	174	148	165	144
23	456	517	631	677	681	673	373	188	150	154	165	137
24	478	531	639	673	696	658	359	168	146	158	165	138
25	482	514	631	665	717	677	342	160	144	166	160	142
26	474	567	639	677	709	658	293	160	160	166	155	158
27	434	567	643	677	713	673	288	170	168	174	150	144
28	438	575	639	684	688	665	192	174	162	168	145	124
29	476	580	643	684	---	662	156	172	146	162	140	133
30	486	593	650	709	---	646	121	162	154	156	135	140
31	482	---	646	684	---	692	---	162	---	148	135	---
TOTAL	10096	14319	19256	20559	18726	21018	14794	5419	4946	5102	4753	4827
MEAN	326	477	621	663	669	678	493	175	165	165	153	161
MAX	486	593	650	709	717	717	692	288	190	202	186	258
MIN	148	176	548	631	569	631	121	118	144	142	135	124
AC-FT	20030	28400	38190	40780	37140	41690	29340	10750	9810	10120	9430	9570

WTR YR 1981 TOTAL 143815 MEAN 394 MAX 717 MIN 118 AC-FT 285300

TABLE 4.--Continued

10167300 JORDAN RIVER AT 5800 SOUTH, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	142	285	313	432	482	593	756	617	538	392	415	200
2	144	288	324	394	497	604	718	599	518	342	340	195
3	169	286	321	379	501	628	761	623	526	319	316	180
4	235	283	324	402	485	631	719	564	520	316	270	180
5	186	281	326	429	465	646	695	483	498	340	200	190
6	154	283	326	318	488	652	696	490	580	408	190	190
7	146	291	329	357	498	656	648	458	570	425	190	190
8	171	281	372	362	504	654	737	445	500	479	190	180
9	146	281	375	358	514	652	720	432	480	429	190	182
10	150	286	352	357	506	685	719	525	514	360	180	251
11	167	286	358	359	514	663	742	574	504	344	175	292
12	150	286	335	364	523	602	801	549	495	329	175	229
13	142	291	346	372	523	653	766	533	527	325	180	237
14	138	291	349	379	534	665	762	554	541	295	190	199
15	186	193	352	385	542	696	674	534	558	288	200	186
16	268	152	332	399	553	695	681	529	564	281	190	180
17	273	144	369	441	560	724	758	505	553	280	205	193
18	258	140	352	473	562	750	729	443	545	278	210	180
19	260	138	360	454	570	730	656	553	543	275	205	175
20	265	248	369	459	572	693	711	535	535	273	190	210
21	262	286	366	477	578	688	731	535	532	266	200	359
22	255	286	355	462	579	681	721	511	534	264	190	371
23	283	278	372	465	571	678	737	489	534	263	190	364
24	270	288	381	470	563	687	743	475	528	264	190	363
25	260	252	378	472	579	681	746	459	519	262	200	373
26	260	291	375	488	586	699	669	464	501	262	200	574
27	265	332	372	490	582	691	684	470	455	262	200	685
28	275	315	365	493	579	710	639	452	440	311	195	692
29	283	299	388	447	---	735	579	545	434	440	200	523
30	291	313	454	485	---	729	700	494	414	456	195	518
31	288	---	420	497	---	741	---	538	---	432	195	---
TOTAL	6742	7954	11110	13119	15010	20992	21398	15977	15500	10260	6556	8841
MEAN	217	265	358	423	536	677	713	515	517	331	211	295
MAX	291	332	454	497	586	750	801	623	580	479	415	692
MIN	138	138	313	318	465	593	579	432	414	262	175	175
AC-FT	13370	15780	22040	26020	29770	41640	42440	31690	30740	20350	13000	17540
CAL YR 1981	TOTAL	125950	MEAN 345	MAX 717	MIN 118	AC-FT	249800					
WTR YR 1982	TOTAL	153459	MEAN 420	MAX 801	MIN 138	AC-FT	304400					

NOTE.--No gage-height record Aug. 4 to Sept. 7.

TABLE 4.--Continued

10167300 JORDAN RIVER AT 5800 SOUTH, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1974 to September 1982.

WATER-QUALITY DATA

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT. 1980									
08...	0840	155	6.5	12.5	6.2	69	--	600	870
26...	1503	482	--	--	--	--	--	<1	K200
26...	1600	492	--	--	--	--	--	--	--
NOV.									
26...	0915	524	-2.0	3.5	10.1	88	--	170	340
DEC.									
03...	1220	624	14.0	6.0	--	--	--	5300	K600
JAN. 1981									
06...	1020	684	1.0	4.0	10.6	98	--	--	72
14...	1340	673	-1.5	3.0	11.8	102	--	K20	K80
28...	1208	736	10.0	4.5	10.4	96	--	19	26
FEB.									
19...	1140	732	14.0	6.0	10.1	95	190	K16	K70
24...	1230	705	18.0	7.0	10.2	100	450	K40	210
MAR.									
26...	0900	728	7.5	9.0	9.6	99	4800	3100	--
26...	0910	728	7.5	9.0	9.6	99	--	--	--
26...	1300	684	--	--	--	--	420	570	K1480
26...	1745	696	5.0	11.0	--	--	2800	510	840
APR.									
22...	1430	416	20.0	15.0	6.0	70	K120	24	--
28...	1217	168	15.5	14.5	7.0	80	5200	500	330
MAY									
10...	2350	162	--	12.5	--	--	--	--	--
11...	0345	174	--	--	--	--	2500	K920	53000
11...	0500	174	9.5	13.5	5.8	65	--	--	--
11...	0800	170	10.5	10.5	6.1	67	25000	450	650
11...	0900	172	--	12.5	6.4	70	--	--	--
12...	0900	145	9.0	11.2	7.9	84	550	170	--
19...	1645	158	--	--	--	--	--	--	--
20...	0700	195	--	--	--	--	--	--	--
20...	0900	195	12.0	13.0	7.2	80	--	--	--
20...	1130	200	--	13.0	7.2	80	--	--	--
20...	1345	211	--	13.0	7.2	80	--	--	--
JUNE									
01...	1130	133	25.0	16.0	7.5	88	270	160	110
04...	1110	162	22.5	15.5	8.2	96	35000	240	100
23...	1040	152	29.5	19.5	8.0	103	320000	2200	180
JULY									
15...	1100	123	31.5	17.4	6.2	95	710	210	140
28...	0830	202	--	17.0	6.2	76	47000	5200	4500
28...	1000	204	--	18.0	6.9	86	--	--	--
28...	1130	204	--	19.0	7.9	100	--	--	--
28...	1245	202	--	20.0	8.6	112	K13000	3100	K1400
28...	1415	200	--	21.0	8.5	112	--	--	--
28...	1600	198	--	22.0	8.3	112	--	--	--
28...	1730	198	--	22.0	7.9	108	--	--	--
28...	1915	194	--	22.0	6.6	87	3300	4500	860
28...	2145	186	--	21.0	5.4	71	--	--	--
28...	2245	186	--	21.0	4.8	63	--	--	--
29...	0030	188	--	20.0	4.8	62	--	--	--
29...	0330	188	--	20.0	4.8	62	--	--	--
AUG.									
12...	1125	150	25.0	19.0	7.1	88	22000	27000	2200
26...	0930	223	28.5	18.0	6.6	81	1000	420	210
31...	1130	135	--	--	--	--	--	--	--
SEPT.									
02...	1025	135	24.0	17.0	6.2	76	K104000	40000	5900
05...	0700	180	20.5	16.5	--	--	--	--	--
08...	1030	112	20.5	17.0	6.4	77	2500	580	780

K Results based on colony count outside the acceptable range (non-ideal colony count).

TABLE 4.--Continued

10167300 JORDAN RIVER AT 5800 SOUTH, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)
OCT. 1981									
20...	1145	268	16.5	12.0	8.2	87	370	330	680
NOV.									
17...	1100	144	19.0	11.5	8.5	91	280	K0	K170
DEC.									
15...	1010	352	12.5	7.0	9.4	91	240	200	K1500
JAN. 1982									
26...	1120	491	13.5	4.0	11.1	99	160	40	580
FEB.									
24...	1100	570	2.0	5.0	11.2	101	K200	K30	2200
APR.									
07...	1040	621	3.0	5.5	10.0	93	K380	K12	680
27...	1310	677	22.0	14.5	8.6	98	520	47	500
MAY									
25...	1015	465	27.0	15.0	7.9	92	K13000	--	6300
JUNE									
22...	1210	535	26.0	19.0	7.2	91	K2000	680	K1000
JULY									
20...	1315	273	31.0	20.0	6.8	88	5800	K170	550
AUG.									
24...	1030	180	27.0	19.0	7.1	89	20000	660	2000
SEPT.									
07...	1740	190	--	20.5	--	--	--	--	--
07...	1915	190	--	19.5	--	--	--	--	--
07...	2055	190	--	19.0	--	--	--	--	--

K Results based on colony count outside the acceptable range (non-ideal colony count).

TABLE 4.--Continued

10167300 JORDAN RIVER AT 5800 SOUTH, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TUR- BID- ITY (FTU)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	HARD- NESS (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	SODIUM AD- SORP- TION RATIO
OCT. 1980											
08...	0840	--	2120	7.9	--	--	650	150	68	210	3.6
26...	1503	--	1540	8.0	--	26	440	84	55	170	4.0
26...	1600	--	--	--	--	--	--	--	--	--	--
NOV.											
26...	0915	--	1540	8.1	--	--	450	85	58	170	3.5
DEC.											
03...	1220	--	1340	7.8	--	21	440	82	56	170	4.0
JAN. 1981											
06...	1020	--	1490	8.0	--	--	410	73	56	170	3.6
14...	1340	--	1290	7.7	20	22	410	76	54	150	3.6
28...	1208	--	1430	8.3	--	--	440	81	57	160	3.3
FEB.											
19...	1140	--	1410	8.3	--	--	420	75	56	160	3.4
24...	1230	--	1680	8.1	31	26	410	73	54	150	3.2
MAR.											
26...	0900	--	1500	8.1	--	--	420	76	55	160	3.4
26...	0910	--	1240	6.8	125	23	--	--	--	--	--
26-27	1300	0200	1470	8.0	--	19	--	--	--	--	--
APR.											
22...	1430	--	1600	7.1	--	--	450	86	56	160	3.3
28...	1217	--	1760	7.7	34	150	--	--	--	--	--
MAY											
10...	2350	--	1830	7.6	30	36	--	--	--	--	--
11...	0345	--	--	--	--	--	--	--	--	--	--
11-11	0001	0900	1810	7.6	32	36	--	--	--	--	--
12...	0900	--	2020	7.5	--	--	530	120	57	180	3.4
19...	1645	--	1810	7.8	15	22	--	--	--	--	--
20...	0700	--	--	--	--	--	--	--	--	--	--
20...	0900	--	--	--	--	--	--	--	--	--	--
20-20	0630	1400	1720	7.7	30	43	--	--	--	--	--
JUN.											
01...	1130	--	1660	7.6	--	--	470	110	47	150	3.0
04...	1110	--	1500	7.7	23	25	--	--	--	--	--
23...	1040	--	1680	7.6	17	30	--	--	--	--	--
JULY											
15...	1100	--	2000	8.0	33	38	590	130	64	200	3.6
AUG.											
12...	1125	--	2050	7.9	22	86	600	130	67	--	--
26...	0930	--	2200	7.9	--	--	630	140	67	210	3.7
31...	1130	--	--	--	--	--	630	140	69	--	--
SEPT.											
02...	1025	--	2030	7.8	14	110	--	--	--	--	--
05...	0700	--	1970	7.6	18	70	--	--	--	--	--
05-05	1130	2030	1810	7.9	92	110	--	--	--	--	--
08...	1030	--	1980	7.8	--	--	570	122	64	200	4.0
OCT.											
20...	1145	--	1790	7.8	17	65	560	120	62	200	4.1
NOV.											
17...	1100	--	1970	7.9	10	83	600	140	61	190	3.7
DEC.											
15...	1010	--	1710	8.0	14	--	--	--	--	--	--
JAN. 1982											
26...	1120	--	1650	8.2	18	--	--	--	--	--	--
FEB.											
24...	1100	--	1530	8.4	26	--	--	--	--	--	--
APR.											
07...	1040	--	1530	8.6	76	--	--	--	--	--	--
27...	1310	--	1440	8.3	64	--	--	--	--	--	--
MAY											
25...	1015	--	1200	8.0	50	--	--	--	--	--	--
JUNE											
22...	1210	--	1430	8.1	34	26	420	87	49	150	3.5
JULY											
20...	1315	--	1770	8.1	16	24	520	110	59	180	3.8
AUG.											
24...	1030	--	1940	8.1	15	43	600	130	67	200	3.6

TABLE 4.--Continued

10167300 JORDAN RIVER AT 5800 SOUTH, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA											
DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)
OCT. 1980											
08...	20	290	430	320	--	--	98	--	--	1.20	--
26...	16	230	280	240	1050	1020	33	.89	.080	--	.640
26...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
26...	18	220	270	230	--	--	32	--	--	.590	--
DEC.											
03...	20	230	280	230	997	1010	43	.89	.020	--	.690
JAN. 1981											
06...	14	220	310	210	--	--	52	--	--	.610	--
14...	13	220	260	230	975	944	65	.65	.010	--	.660
28...	13	220	260	200	--	--	37	--	--	.610	--
FEB.											
19...	14	220	260	210	--	--	41	--	--	.510	--
24...	14	210	270	220	950	988	68	.40	.010	--	.470
MAR.											
26...	13	210	260	200	--	--	42	--	--	.000	--
26...	--	79	280	220	942	--	50	.41	.020	--	.580
26-27	--	210	280	220	952	--	118	.54	.030	--	.670
APR.											
22...	14	190	250	220	--	--	8	--	--	.580	--
28...	--	250	330	260	1170	--	52	1.40	.120	--	1.80
MAY											
10...	--	260	350	250	1210	--	50	1.40	.140	--	1.60
11-11	--	240	340	250	1170	--	63	1.70	.170	--	1.70
12...	15	250	370	260	--	--	34	--	--	1.50	--
19...	--	260	360	270	1230	--	22	1.60	.150	--	1.90
20...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	--	250	330	250	1110	--	51	1.40	.160	--	1.50
JUNE											
01...	.3	210	320	220	--	--	13	--	--	.770	--
04...	--	220	280	220	983	--	73	1.20	.120	--	1.50
23...	--	270	380	260	1280	--	25	1.60	.170	--	1.70
JULY											
15...	18	270	400	280	1340	--	41	1.70	.220	1.00	1.50
AUG.											
12...	--	280	360	290	1320	--	25	1.20	.390	--	.780
26...	18	290	420	300	--	--	45	--	--	.640	--
31...	--	--	--	--	--	--	--	--	--	--	--
SEPT.											
02...	--	280	400	290	1360	--	115	1.50	.220	--	1.60
05...	--	270	380	270	1300	--	76	.64	.460	--	<.060
05-05	--	230	300	270	1190	--	175	1.10	.240	--	1.20
08...	19	270	370	280	--	--	43	--	--	.840	--
OCT.											
20...	--	240	370	270	1210	--	48	1.30	.090	--	1.10
NOV.											
17...	--	260	370	280	1320	--	6	2.50	.150	--	2.20
JAN. 1982											
26...	--	--	--	--	1110	--	40	--	--	--	.900
FEB.											
24...	--	--	--	--	--	--	--	--	--	--	--
APR.											
07...	--	--	--	--	1010	--	125	--	--	--	.740
MAY											
25...	--	--	--	--	951	--	56	--	--	--	.920
JUNE											
22...	14	225	250	200	938	--	96	1.00	.090	--	.630
JULY											
20...	--	270	340	260	1210	--	42	1.40	.170	--	.830
AUG.											
24...	--	242	390	270	1340	--	29	1.60	.170	--	1.20

TABLE 4.--Continued

10167300 JORDAN RIVER AT 5800 SOUTH, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)
OCT. 1980											
08...	--	3.20	--	--	2.0	--	--	5.0	.910	--	--
26...	.82	1.70	.30	1.4	--	.76	2.4	--	.120	.330	<1
26...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
26...	--	1.80	--	--	1.2	--	--	2.7	.310	--	--
DEC.											
03...	.89	1.80	.30	1.5	--	.81	2.4	--	.300	.200	<1
JAN. 1981											
06...	--	1.90	--	--	1.3	--	--	2.6	.300	--	--
14...	.85	2.00	.60	1.4	--	.74	2.1	--	.310	.180	<1
28...	--	--	--	--	--	--	--	--	.270	--	--
FEB.											
19...	--	2.50	--	--	2.0	--	--	2.9	.360	--	--
24...	.61	2.20	.90	1.3	--	.83	1.7	--	.410	.130	2
MAR.											
26...	--	2.50	--	--	2.5	--	--	2.5	.250	--	--
26...	.75	1.40	.10	1.3	--	.72	1.7	--	.310	.190	<1
26-27	.86	1.30	.10	1.2	--	.53	1.8	--	.370	.220	<1
APR.											
22...	--	1.40	--	--	.82	--	--	2.3	.490	--	--
28...	2.3	3.00	.70	2.3	--	.50	3.8	--	.880	.730	<1
MAY											
10...	2.1	3.30	1.3	2.0	--	.40	3.5	--	.930	.710	<1
11-11	2.2	3.00	.90	2.1	--	.40	4.0	--	.950	.800	<1
12...	--	1.20	--	--	.00	--	--	2.9	.890	--	--
19...	2.4	2.80	.00	2.9	--	1.0	4.6	--	.880	.780	<1
20...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	1.9	2.50	.40	2.1	--	.60	3.7	--	.760	.620	<1
JUNE											
01...	--	1.90	--	--	1.1	--	--	4.4	.910	--	--
04...	1.9	3.20	1.1	2.1	--	.60	3.4	--	.790	.620	<1
23...	2.2	3.10	.20	2.9	--	1.2	4.7	--	1.10	.950	<1
JULY											
15...	1.9	2.50	1.3	2.0	1.5	.50	3.9	4.5	.900	.840	0
AUG.											
12...	1.0	2.80	.60	2.2	--	1.4	3.8	--	.930	.630	0
26...	--	2.00	--	--	1.4	--	--	3.7	.760	--	--
31...	--	--	--	--	--	--	--	--	--	--	0
SEPT.											
02...	2.1	3.30	.80	2.5	--	.90	4.2	--	1.20	.880	0
05...	.08	3.30	.80	2.5	--	--	3.6	--	.930	.780	<1
05-05	1.5	3.90	1.9	2.0	--	.80	3.3	--	1.00	.600	2
08...	--	2.30	--	--	1.5	--	--	3.7	.710	--	--
OCT.											
20...	1.4	2.60	.40	2.2	--	1.1	3.6	--	.490	.450	<1
NOV.											
17...	2.8	3.50	.90	2.6	--	.40	5.2	--	1.20	1.10	<1
JAN. 1982											
26...	1.2	--	--	1.6	--	.70	2.3	--	.330	.280	<1
FEB.											
24...	--	--	--	--	--	--	--	--	--	--	--
APR.											
07...	.85	--	--	1.8	--	1.1	2.7	--	.450	.300	<1
MAY											
25...	1.2	--	--	1.6	--	.68	2.7	--	.420	.450	1
JUNE											
22...	.81	--	--	1.0	--	.37	2.1	--	.410	.270	<1
JULY											
20...	1.1	2.90	1.2	1.7	--	.87	3.3	--	.660	.520	<1
AUG.											
24...	1.5	3.30	1.2	2.1	--	.90	3.9	--	.860	.870	10

TABLE 4.--Continued

10167300 JORDAN RIVER AT 5800 SOUTH, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT. 1980										
08...	--	--	--	--	--	--	--	--	--	--
26...	--	--	22	320	--	--	<10	--	--	--
26...	--	--	--	--	--	--	--	--	--	--
NOV.										
26...	--	--	--	--	--	--	--	--	--	--
DEC.										
03...	4	13	<10	19	21	0	21	--	--	--
JAN. 1981										
06...	--	--	--	--	--	--	--	--	--	--
14...	16	20	13	11	180	170	13	.1	.0	.1
28...	--	--	--	--	--	--	--	--	--	--
FEB.										
19...	--	--	--	--	--	--	--	--	--	--
24...	0	49	14	12	64	--	<10	.1	.0	.1
MAR.										
26...	--	--	--	--	--	--	--	--	--	--
26...	10	14	6	10	14	12	2	.0	.0	.0
26-27	30	16	6	10	12	12	0	.0	.0	.0
APR.										
22...	--	--	--	--	--	--	--	--	--	--
28...	10	30	7	<10	0	0	0	.0	.0	.0
MAY										
10...	10	11	5	10	19	5	14	.1	.1	.0
11...	--	--	--	--	--	--	--	--	--	--
11-11	10	19	6	10	27	11	16	.1	.1	.0
12...	--	--	--	--	--	--	--	--	--	--
19...	10	11	4	<10	13	7	6	.2	.2	.0
20...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
20-20	20	18	4	10	27	19	8	.1	.1	.0
JUNE										
01...	--	--	--	--	--	--	--	--	--	--
04...	20	17	4	20	24	10	14	.1	.1	.0
23...	10	11	5	<10	23	23	0	.1	.1	.0
JULY										
15...	20	37	10	20	41	40	1	.1	.1	.0
AUG.										
12...	10	22	5	40	22	21	1	.0	.0	.0
26...	--	--	--	--	--	--	--	--	--	--
31...	0	11	7	40	19	14	5	.0	.0	.0
SEPT.										
02...	10	14	8	30	34	31	3	.0	.0	.0
05...	0	4	7	<10	4	0	4	.0	.0	.0
05-05	0	80	8	12	420	420	5	.1	.1	.0
08...	--	--	--	--	--	--	--	--	--	--
OCT.										
20...	20	21	13	21	18	16	2	.1	.0	.1
NOV.										
17...	10	15	8	<10	6	5	1	.1	--	<.1
JAN. 1982										
26...	--	--	3	--	--	--	--	--	--	--
FEB.										
24...	--	--	--	--	--	--	--	--	--	--
APR.										
07...	--	--	3	--	--	--	--	--	--	--
MAY										
25...	--	--	3	--	--	--	--	--	--	--
JUNE										
22...	10	15	2	5	11	8	3	.2	.1	.1
JULY										
20...	20	13	6	9	20	19	1	.5	--	<.1
AUG.										
24...	10	26	6	30	17	14	3	<.1	--	<.1

TABLE 4.--Continued

10167300 JORDAN RIVER AT 5800 SOUTH, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT. 1980										
08...	0	0	70	--	--	--	--	.00	267	112
26...	--	--	--	--	21	1.0	17	--	--	--
26...	--	--	--	--	--	--	--	--	78	104
NOV.										
26...	100	0	30	--	--	--	--	.00	--	--
DEC.										
03...	--	1	30	20	7	1.3	5.0	--	--	--
JAN. 1981										
06...	100	0	30	--	--	--	--	.00	--	--
14...	--	0	40	3	37	.5	14	--	54	98
28...	0	0	40	--	--	--	--	.00	--	--
FEB.										
19...	34	0	50	--	--	--	--	.00	--	--
24...	--	0	80	60	17	2.3	15	--	107	204
MAR.										
26...	0	0	40	--	--	--	--	.00	--	--
26...	--	--	50	40	10	1.1	9.2	--	--	--
26-27	--	--	60	40	20	1.4	7.1	--	--	--
APR.										
22...	75	0	40	--	--	--	--	.00	--	--
28...	--	--	50	30	20	1.3	13	--	61	28
MAY										
10...	--	--	40	20	20	--	6.8	--	224	98
11...	--	--	--	--	--	--	--	--	103	48
11-11	--	--	70	50	20	.9	29	--	241	--
12...	0	0	40	--	--	--	--	.00	--	--
19...	--	--	30	10	20	.7	12	--	--	--
20...	--	--	--	--	--	--	--	--	85	45
20...	--	--	--	--	--	--	--	--	43	23
20-20	--	--	40	20	20	--	12	--	--	--
JUNE										
01...	100	0	60	--	--	--	--	.00	--	--
04...	--	--	50	30	20	1.8	13	--	62	27
23...	--	--	50	30	20	1.5	19	--	44	18
JULY										
15...	0	0	50	50	20	1.2	4.4	.00	213	71
AUG.										
12...	--	--	80	50	30	1.9	5.0	--	201	81
26...	0	1	40	--	--	--	--	.00	--	--
31...	4	1	40	20	20	--	--	.00	--	--
SEPT.										
02...	--	--	40	20	20	1.3	7.4	--	31	11
05...	--	--	50	10	36	2.4	5.7	--	204	99
05-05	--	--	540	390	150	4.1	6.6	--	427	--
08...	0	0	60	--	--	--	--	>.01	--	--
OCT.										
20...	--	--	60	7	53	2.5	6.7	--	208	151
NOV.										
17...	--	<1	30	20	14	1.8	7.5	<.01	227	88
JAN. 1982										
26...	--	--	--	--	20	1.5	--	--	265	351
FEB.										
24...	--	--	--	--	--	--	--	--	107	165
APR.										
07...	--	--	--	--	10	2.0	--	--	270	453
MAY										
25...	--	--	--	--	10	1.6	--	--	232	291
JUNE										
22...	--	1	30	10	17	2.0	4.8	<.01	230	332
JULY										
20...	--	<1	30	10	20	1.6	5.5	<.01	226	167
AUG.										
24...	--	5	50	20	30	1.5	10	--	29	14

TABLE 4.--Continued

10167300 JORDAN RIVER AT 5800 SOUTH, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	BOD OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)
JAN. 1981							
14...	1340	--	--	--	--	--	--
FEB.							
24...	1230	--	7.6	12	.20	.08	--
MAR.							
26...	0910	--	4.4	6.4	.24	.11	10
26-27	1300	0200	4.4	6.8	.21	.08	30
APR.							
28...	1217	--	3.6	6.4	.16	.08	10
MAY							
10...	2350	--	4.4	11	.10	.05	10
11-11	0001	0900	9.0	15	.18	.08	10
19...	1645	--	3.6	6.4	.17	.08	10
20-20	0630	1400	3.6	6.4	.17	.08	20
JUNE							
04...	1110	--	4.6	9.2	.14	.06	9
23...	1040	--	5.2	11	.13	.06	2
JULY							
15...	1100	--	5.0	15	.08	.04	8
AUG.							
12...	1125	--	6.8	14	.13	.06	9
31...	1130	--	--	--	--	--	0
SEPT.							
02...	1025	--	11	19	.16	.08	6
05...	0700	--	6.6	14	.12	.06	0
05-05	1130	2030	8.4	18	.14	.06	0
OCT.							
20...	1145	--	7.0	15	.13	.06	16
NOV.							
17...	1100	--	14	22	.21	.10	9
DEC.							
15...	1010	--	15	24	.20	.08	--
JAN. 1982							
26...	1120	--	9.0	14	.19	.08	--
FEB.							
24...	1100	--	9.1	13	.23	.10	--
APR.							
07...	1040	--	9.6	15	.21	.10	--
27...	1310	--	4.6	8.4	.16	.06	--
MAY							
25...	1015	--	3.9	6.2	.20	.10	--
JUNE							
22...	1210	--	3.2	6.4	.13	.06	--
JULY							
20...	1315	--	11	21	.14	.06	--
AUG.							
24...	1030	--	22	28	.29	.12	8

TABLE 4.--Continued

10167300 JORDAN RIVER AT 5800 SOUTH, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
JAN. 1981						
14...	--	7	--	--	--	--
FEB.						
24...	--	35	--	--	--	--
MAR.						
26...	0	8	670	660	--	--
26-27	0	10	590	580	--	--
APR.						
28...	0	23	810	--	--	--
MAY						
10...	0	6	950	940	--	--
11-11	0	13	1200	1200	--	--
19...	0	7	560	--	--	--
20-20	0	14	1100	1100	--	--
JUNE						
04...	11	13	1200	1200	10.5	.000
23...	8	6	480	--	15.0	.000
JULY						
15...	12	27	1200	1200	7.82	.000
AUG.						
12...	1	17	940	900	17.6	<.010
31...	0	4	540	500	--	--
SEPT.						
02...	4	6	820	790	44.4	11.3
05...	6	0	760	--	--	--
05-05	1	72	6300	6300	--	--
OCT.						
20...	4	8	1200	1200	34.5	<.100
NOV.						
17...	1	7	270	--	16.7	8.49
DEC.						
15...	--	--	--	--	--	--
JAN. 1982						
26...	--	--	--	--	--	--
FEB.						
24...	--	--	--	--	--	--
APR.						
07...	--	--	--	--	--	--
27...	--	--	--	--	32.4	<.100
MAY						
25...	--	--	--	--	11.0	5.10
JUNE						
22...	<1	13	1600	1600	13.0	<.100
JULY						
20...	<1	7	780	770	17.0	<.100
AUG.						
24...	2	20	620	590	11.0	<.100

TABLE 4.--Continued

10167300 JORDAN RIVER AT 5800 SOUTH, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

		HARD- NESS, NONCAR- BONATE (MG/L CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)		
DATE	TIME										
OCT. 1980											
08...	0840	360	--	--	--	--	--	--	--		
26...	1503	210	--	.8	27	--	100	<1	--		
NOV.											
26...	0915	230	--	--	--	--	--	--	--		
DEC.											
03...	1220	210	--	.8	25	160	90	<1	0		
JAN. 1981											
06...	1020	190	--	--	--	--	--	--	--		
14...	1340	190	--	.9	23	280	90	<1	0		
FEB.											
19...	1140	200	--	--	--	--	--	--	--		
24...	1230	200	--	.7	23	550	80	<1	1		
MAR.											
26...	0900	--	210	--	--	--	--	--	--		
APR.											
22...	1430	--	260	--	--	--	--	--	--		
MAY											
12...	0900	--	280	--	--	--	--	--	--		
JUNE											
01...	1130	--	260	--	--	--	--	--	--		
JULY											
15...	1100	--	320	--	--	--	--	--	--		
AUG.											
12...	1125	--	320	--	--	--	--	--	--		
26...	0930	--	340	.9	--	--	--	--	--		
31...	1130	--	--	--	--	--	100	--	0		
SEPT.											
08...	1030	--	300	--	--	--	--	--	--		
OCT.											
20...	1145	--	320	--	--	--	--	--	--		
NOV.											
17...	1100	--	340	--	--	--	58	--	<1		
JUNE 1982											
22...	1210	--	190	--	--	--	73	--	1		
JULY											
20...	1315	--	250	--	--	--	65	--	<1		
AUG.											
24...	1030	--	360	--	--	--	<100	--	1		
		CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)		
OCT. 1980											
26...		--	--	<3	150	13	<10	1100	<6.0		
DEC.											
03...		--	1	<3	150	9	<10	1200	<6.0		
JAN. 1981											
14...		--	2	<3	150	10	<10	1100	<6.0		
FEB.											
24...		0	0	<3	140	10	13	960	6.0		
AUG.											
31...		0	1	0	--	40	--	--	--		
AUG. 1982											
24...		0	--	--	--	--	--	--	--		
DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BERYL- LIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	BORON, DIS- SOLVED (UG/L AS B)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)
AUG. 1981											
31...	1130	20	0	20	17	100	0	<1	370	1	3
NOV.											
17...	1100	14	--	--	--	100	40	--	350	--	--
JUNE 1982											
22...	1210	12	--	--	--	<100	--	--	280	--	--
JULY											
20...	1315	16	--	--	--	100	40	--	360	--	--
AUG.											
24...	1030	15	--	--	19	<100	--	<1	400	3	

WATER-QUALITY DATA

	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE D RECOV. (UG/L AS MN)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, SUS- PENDE D RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, SUS- PENDE D TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)
AUG. 1981										
31...	90	200	50	10	.03	1	3	3	0	3
NOV.										
17...	--	--	--	--	--	--	--	3	0	3
JUNE 1982										
22...	--	--	--	--	--	--	--	2	0	2
JULY										
20...	--	--	--	--	--	--	--	3	1	2
AUG.										
24...	120	480	--	--	.07	--	--	2	0	2
	SILVER, SUS- PENDE D RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	SILVER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS AG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG. 1981										
31...	1	0	--	140	.00	.0	5	.00	2	.00
NOV.										
17...	--	<1	--	--	--	--	3	--	--	--
JUNE 1982										
22...	--	<1	--	--	--	--	1	--	--	--
JULY										
20...	--	<1	--	--	--	--	2	--	--	--
AUG.										
24...	--	<1	2	230	--	<1.0	4	--	1	--
	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)
AUG. 1981										
31...	.00	3.0	.00	.0	.00	.3	.00	.0	.00	.0
AUG. 1982										
24...	--	2.0	--	.4	--	1.4	--	<.1	--	.2
	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)
AUG. 1981										
31...	.0	.00	.0	.00	.0	.00	.0	5.2	.00	.0
AUG. 1982										
24...	<.1	--	<.1	--	<.1	--	<.1	8.8	--	<.1
	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4-DP, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4-DP, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PER- THANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)
AUG. 1981										
31...	.0	.05	.0	.00	.0	.00	.0	.00	.00	.0
AUG. 1982										
24...	<10	--	<.1	--	<.1	--	<.1	--	<1.00	--
	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	BENZENE TOTAL (UG/L)	BROM- FORM TOTAL (UG/L)	CARBON- TETRA- CHLO- RIDE TOTAL (UG/L)	CHLORO- BENZENE TOTAL (UG/L)	CHLORO- BENZENE TOTAL (UG/L)	CHLORO- BENZENE TOTAL (UG/L)	CHLORO- ETHANE TOTAL (UG/L)	CHLORO- ETHANE TOTAL (UG/L)	CHLORO- ETHANE TOTAL (UG/L)
JUNE 1982										
22...	1210	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AUG.										
24...	1030	23000	--	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0

TABLE 4.--Continued

10167300 JORDAN RIVER AT 5800 SOUTH, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L)	ETHYL- BENZENE TOTAL (UG/L)	METHYL- BROMIDE TOTAL (UG/L)	METHYL- ENE CHLO- RIDE TOTAL (UG/L)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L)	TRI- CHLORO- FLOURO- METHANE TOTAL (UG/L)	VINYL CHLO- RIDE TOTAL (UG/L)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L)
JUNE 1982										
22...	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AUG.										
24...	<1.0	<1.0	<1.0	--	<1.0	--	<1.0	<1.0	<1.0	<1.0

DATE	1,1-DI- CHLORO- ETHANE TOTAL (UG/L)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L)	1,1,2,2 TETRA- CHLORO- ETHANE TOTAL (UG/L)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L)	1,3-DI- CHLORO- PROPENE TOTAL (UG/L)	CHLORO- ETHYL- ENE TOTAL (UG/L)	2- CHLORO- ETHYL- VINYL- ETHER TOTAL (UG/L)
JUNE 1982									
22...	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AUG.									
24...	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

DATE	TIME	SED. TOTAL, FALL DIAM. % FINER THAN .002 MM	SED. TOTAL, FALL DIAM. % FINER THAN .004 MM	SED. TOTAL, FALL DIAM. % FINER THAN .016 MM	SED. TOTAL, FALL DIAM. % FINER THAN .062 MM
JUNE 1982					
22...	1210	46	58	68	86
JULY					
20...	1315	39	44	58	70
AUG.					
24...	1030	--	--	16	70

TABLE 4.--Continued

10167300 JORDAN RIVER AT 5800 SOUTH, NEAR SALT LAKE CITY, UTAH--Continued

PHYTOPLANKTON ANALYSES

DATE	AUG 24, 82
TIME	1030
TOTAL CELLS/ML	23000
DIVERSITY: DIVISION	0.7
.CLASS	0.7
..ORDER	2.2
...FAMILY	2.3
....GENUS	2.3

ORGANISM	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)		
.BACILLARIOPHYCEAE		
..ACHNANTHALES		
...ACHNANTHACEAE		
....ACHNANTHES	*	0
....COCONEIS	*	0
....RHOICOSPHENIA	230	1
..BACILLARIALES		
...NITZSCHIA		
....NITZSCHIA	150	1
..EUPODISCALES		
...COSCINODISCACEAE		
....CYCLOTELLA	190	1
..FRAGILARIALES		
...FRAGILARIACEAE		
....SYNEDRA	190	1
..NAVICULALES		
...CYMBELLACEAE		
....AMPHORA	*	0
...GOMPHONEMACEAE		
....GOMPHONEMA	190	1
...NAVICULACEAE		
....NAVICULA	1500	6
..SURIPELLALES		
...SURIPELLACEAE		
....SURIPELLA	*	0
CHLOROPHYTA (GREEN ALGAE)		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...CHLOROCOCCACEAE		
....SCHROEDERIA	*	0
...OOCYSTACEAE		
....ANKISTRODESMUS	*	0
....OOCYSTIS	150	1
...SCENEDESMACEAE		
....SCENEDESMUS	*	0
..VOLVOCALLES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	190	1
CYANOPHYTA (BLUE-GREEN ALGAE)		
.CYANOPHYCEAE		
..CHROCOCCALES		
...CHROCOCCACEAE		
....ANACYSTIS	7700#	34
..NOSTOCALES		
...NOSTOCACEAE		
....ANABAENA	8200#	36
..OSCILLATORIALES		
...OSCILLATORIACEAE		
....OSCILLATORIA	3400	15
EUGLENOPHYTA (EUGLENOIDS)		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....EUGLENA	190	1
....TRACHELOMONAS	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

TABLE 4.--Continued

10167499 LITTLE COTTONWOOD CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH

LOCATION.--Lat 40°34'40", long 111°47'50", in NE¼NE¼NE¼ sec. 11, T.3 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on right bank 100 ft (30 m) downstream from Wasatch Blvd. and 14 mi (23 km) southeast of Salt Lake City.

DRAINAGE AREA.--27.4 mi² (71.0 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to September 1968, October 1979 to September 1981. Records for October 1960 to September 1979 in the files of the Salt Lake City Water Department. Prior to October 1979, published in "Hydrologic and Climatologic Data" reports for Salt Lake County, Utah as 101675 D Little Cottonwood Creek (channel only) near Salt Lake City, Utah.

GAGE.--Water-stage recorder and Parshall flume. Datum of gage is 5,071.24 ft (1,545.71 m) from Salt Lake County Datum.

REMARKS.--Records good. Some storage and regulation in several small lakes and reservoirs. Diversions upstream from the station for power, irrigation, and municipal water supply. Diversions to Murray City powerplant pipeline from right bank, 3.5 mi (5.6 km) upstream; South Despain ditch from left bank and North Despain ditch from right bank about 0.5 mi (0.8 km) upstream. Water from Beaver Pond Springs 100 ft (30.5 m) south of station bypasses station in a pipeline.

COOPERATION.--Gage-height record furnished by the Salt Lake City Water Department.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 536 ft³/s (15.2 m³/s) July 1, 1980, gage height, 4.05 ft (1.234 m); no flow Jan. 1 to Apr. 20, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 527 ft³/s (14.9 m³/s) June 2, 8, gage height, 3.93 ft (1.198 m); minimum daily, 0.82 ft³/s (0.023 m³/s) Sept. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.1	1.1	1.1	1.1	1.1	2.2	143	330	69	2.6	1.1
2	1.4	1.1	1.0	1.1	1.1	1.2	2.4	187	337	73	2.6	1.1
3	1.4	1.1	.98	1.1	1.1	1.3	2.7	192	353	55	2.5	1.1
4	1.4	1.1	.98	1.1	1.1	1.4	2.5	130	283	42	2.5	1.1
5	1.3	1.1	1.1	1.1	1.1	1.3	2.5	110	295	33	2.2	1.6
6	1.3	1.1	1.3	1.1	1.5	1.5	2.2	97	344	40	2.2	1.8
7	1.3	1.1	1.1	1.1	1.2	1.4	2.2	78	379	37	2.1	1.2
8	1.3	1.3	1.1	1.1	1.1	1.4	2.2	69	423	33	2.0	1.1
9	1.3	1.1	1.1	1.1	1.1	1.4	2.2	60	437	30	2.0	2.9
10	1.3	1.1	.98	1.1	1.1	1.4	2.8	61	372	37	1.9	1.2
11	1.3	1.1	.98	1.1	1.1	1.4	6.3	72	318	31	1.8	1.1
12	1.3	3.1	.98	1.1	1.1	1.4	8.4	62	311	29	1.8	1.1
13	2.5	2.1	.98	1.1	1.1	1.4	7.1	54	267	27	1.7	1.1
14	1.4	1.1	.98	1.1	1.1	1.4	4.4	60	178	24	1.6	1.1
15	1.8	1.3	.98	1.1	1.1	1.4	8.4	72	124	20	1.5	2.5
16	1.3	1.1	.98	1.1	1.1	1.4	10	69	114	18	1.5	1.9
17	1.3	1.1	.97	1.1	1.1	1.4	17	61	121	17	1.5	.98
18	1.3	1.0	.98	1.1	1.1	1.4	27	59	125	16	1.5	.98
19	1.1	1.0	.98	1.1	1.1	1.4	40	70	143	14	1.6	.98
20	1.1	.98	.98	1.1	1.1	1.4	31	82	181	10	1.5	.98
21	1.1	1.2	.98	1.1	1.1	1.7	25	81	194	8.5	2.5	.98
22	1.1	1.7	.98	1.1	1.1	1.7	22	77	177	7.7	1.5	.98
23	1.1	1.5	.98	1.1	1.1	1.7	26	77	167	5.8	1.4	.98
24	1.1	1.8	.98	1.1	1.1	1.7	43	87	148	5.2	1.4	.98
25	1.1	1.1	.98	1.1	1.1	1.7	84	123	134	4.5	1.3	.98
26	1.1	1.1	.98	1.1	1.1	1.9	100	208	131	5.3	1.4	.98
27	1.3	1.2	.98	1.1	1.1	1.9	89	246	124	3.3	1.3	.94
28	1.2	1.1	.98	1.1	1.1	1.9	75	246	114	3.0	1.2	.82
29	1.1	.99	.98	1.1	---	2.1	83	242	97	2.8	1.1	.88
30	1.1	1.0	.98	1.1	---	2.4	110	267	78	2.8	1.1	.98
31	1.1	---	1.0	1.1	---	2.2	---	339	---	2.7	1.1	---
TOTAL	40.2	37.77	31.33	34.1	31.3	48.3	840.5	3781	6799	706.6	53.9	36.42
MEAN	1.30	1.26	1.01	1.10	1.12	1.56	28.0	122	227	22.8	1.74	1.21
MAX	2.5	3.1	1.3	1.1	1.5	2.4	110	339	437	73	2.6	2.9
MIN	1.1	.98	.97	1.1	1.1	1.1	2.2	54	78	2.7	1.1	.82
AC-FT	80	75	62	68	62	96	1670	7500	13490	1400	107	72
CAL YR 1980	TOTAL	18072.5	MEAN	49.5	MAX	423	MIN	.80	AC-FT	35850		
WTR YR 1981	TOTAL	12440.42	MEAN	34.1	MAX	437	MIN	.82	AC-FT	24680		

TABLE 4.--Continued

10167499 LITTLE COTTONWOOD CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1979 to September 1981.

WATER-QUALITY DATA

		END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	ALKA- LINEITY LAB (MG/L AS CACO3)
DATE	TIME										
OCT. 1980											
26...	1230	--	1.2	285	7.5	--	--	7	<1	K400	80
27...	1415	--	1.3	--	--	--	--	--	--	--	--
MAR. 1981											
26...	0755	--	1.9	480	7.4	12.0	7.0	9	--	--	77
26-26	1200	2400	--	280	7.4	--	--	6	--	--	75
MAY											
10-11	2230	0400	--	185	7.5	17.0	7.5	17	--	--	49
19...	1905	--	70	190	8.0	17.5	9.0	6	--	--	49
20-20	0730	2200	--	176	7.1	--	--	14	--	--	48
SEPT.											
05...	0520	--	1.6	295	7.3	--	--	19	--	--	80
05-05	1300	1800	--	285	7.4	--	--	43	--	--	82
	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDEED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
DATE	AS SO4)	AS CL)	(MG/L)	(MG/L)	(MG/L)	AS N)	AS N)	AS N)	AS NH4)	AS N)	AS N)
OCT. 1980											
26...	32	24	176	173	5	.43	.010	.050	.06	.53	.03
27...	--	--	--	--	--	--	--	--	--	--	--
MAR. 1981											
26...	27	23	177	--	2	.73	.010	.070	.09	.34	.00
26-26	26	21	203	--	2	.79	.010	.110	.14	.41	.00
MAY											
10-11	26	14	103	--	26	.22	.010	.080	.10	.65	.28
19...	26	10	113	--	4	.16	.000	.050	.06	.30	.07
20-20	24	13	99	--	0	.20	.010	.120	.15	.52	.00
SEPT.											
05...	24	23	174	--	11	.23	.110	.100	.13	.49	.00
05-05	21	23	173	--	73	.62	.030	.130	.17	.83	.32
	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDEED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
DATE	AS N)	AS N)	AS N)	AS P)	AS P)	AS CD)	AS CR)	AS CU)	AS CU)	AS CU)	AS FE)
OCT. 1980											
26...	.50	.45	.94	.090	.050	<1	4	7	--	<10	31
27...	--	--	--	--	--	--	--	--	--	--	--
MAR. 1981											
26...	.36	.29	1.1	.000	.030	<1	20	3	1	2	40
26-26	.49	.38	1.3	.050	.020	<1	10	8	4	4	40
MAY											
10-11	.37	.29	.60	.060	.030	<1	10	30	23	7	20
19...	.23	.18	.39	.030	.010	<1	10	18	10	8	20
20-20	.53	.41	.74	.040	.020	<1	10	15	7	8	20
SEPT.											
05...	.80	.70	1.1	.020	.010	<1	0	9	1	8	39
05-05	.51	.38	1.2	.090	.030	<1	0	16	7	9	51

K Results based on colony count outside acceptable range (non-ideal colony count).

TABLE 4.--Continued

10167499 LITTLE COTTONWOOD CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT. 1980										
26...	7	--	<10	60	20	36	.2	5.3	--	--
27...	--	--	--	--	--	--	--	--	7	.02
MAR. 1981										
26...	3	3	0	50	10	40	.0	1.4	--	--
26-26	8	8	0	50	10	40	.2	1.7	--	--
MAY										
10-11	29	15	14	100	50	50	.6	4.3	26	--
19...	11	9	2	80	20	60	--	3.9	--	--
20-20	9	5	4	60	0	60	--	2.8	--	--
SEPT.										
05...	18	14	4	50	6	44	.1	1.8	1	.00
05-05	24	21	3	90	70	22	.5	2.6	64	--
DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)
OCT. 1980										
26...	120	37	36	6.5	11	.5	2.6	.3	10	140
DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT. 1980										
26...	130	<1	1	<3	4	19	<10	0	240	<6.0
DATE	TIME	END- ING TIME (2400 HOURS)	TUR- BID- ITY (FTU)	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C			
MAR. 1981										
26...	0755	--	--	1.8	4.4	.10	.04			
26-26	1200	2400	--	1.8	3.2	.18	.08			
MAY										
10-11	2230	0400	13	2.4	5.0	.14	.06			
19...	1905	--	--	2.2	4.2	.15	.06			
20-20	0730	2200	--	1.6	3.2	.14	.06			
SEPT.										
05...	0520	--	--	1.6	4.4	.10	.04			
05-05	1300	1800	--	2.0	4.6	.11	.04			
DATE	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)			
MAR. 1981										
26...	20	0	100	60	.1	.1	.0			
26-26	10	0	500	460	.1	.1	.0			
MAY										
10-11	10	0	890	870	.1	.1	.0			
19...	10	0	170	150	.1	.1	.0			
20-20	10	0	160	140	.1	.1	.0			
SEPT.										
05...	0	0	790	750	.0	.0	.0			
05-05	0	2	2000	2000	.0	.0	.0			

TABLE 4.--Continued

10167700 LITTLE COTTONWOOD CREEK AT 2050 EAST, NEAR SALT LAKE CITY, UTAH

LOCATION.--Lat 40°36'29", long 111°49'51", in SW¼NW¼NW¼ sec. 34, T.2 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on left bank 50 ft (15 m) upstream from irrigation well (D-2-1)34bbb-2, 100 ft (30 m) upstream from bridge, and 11 mi (18 km) southeast of Salt Lake City.

DRAINAGE AREA.--33.8 mi² (87.5 km²).

PERIOD OF RECORD.--October 1963 to September 1968, October 1979 to September 1981. Records for October 1968 to September 1979 in files of Salt Lake City Water Department.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 4,580 ft (1,396 m) from topographic map.

REMARKS.--Records good except for period of no gage-height record, which are poor. Flow regulated. Many diversions for power, irrigation, and municipal water supply.

COOPERATION.--Gage-height record furnished by Salt Lake City Water Department.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 575 ft³/s (16.3 m³/s) July 1, 1980, gage height, 4.56 ft (1.390 m); no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 474 ft³/s (13.4 m³/s) June 8, gage height, 4.32 ft (1.317 m); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	.00	.00	.00	.00	.00	.00	63	295	6.0	3.4	4.9
2	3.6	.00	.00	.00	.00	.07	.23	112	292	21	3.2	4.4
3	2.6	.00	.00	.00	.00	.00	.16	173	333	23	3.2	4.6
4	2.6	.00	.00	.00	.00	.00	.00	104	259	22	3.8	5.3
5	2.6	.00	.13	.00	.00	.00	.00	78	273	1.8	3.8	4.6
6	2.6	.00	.00	.00	.00	.00	.00	56	277	1.5	4.2	4.2
7	2.3	.00	.00	.00	.00	.00	.00	37	299	3.2	4.6	4.0
8	2.6	.00	.00	.00	.00	.00	.03	31	364	3.6	4.4	4.4
9	2.6	.00	.00	.00	.00	.00	.00	18	388	4.2	4.4	4.6
10	2.6	.00	.00	.00	.00	.00	.00	10	310	5.6	4.2	4.4
11	3.0	.00	.00	.00	.00	.00	.00	21	238	3.2	4.4	4.6
12	5.3	.49	.00	.00	.00	.00	.88	34	242	.96	4.2	4.4
13	5.3	.07	.00	.00	.00	.00	.88	16	215	1.7	4.2	4.6
14	5.3	.16	.00	.00	.00	.00	.23	18	157	3.6	4.4	4.6
15	12	.00	.00	.00	.00	.00	3.2	40	95	2.8	4.2	4.4
16	7.3	.00	.00	.00	.00	.00	11	56	55	2.3	3.6	4.6
17	6.6	.00	.00	.00	.00	.00	15	47	53	4.2	4.0	4.9
18	1.0	.00	.00	.00	.00	.00	30	43	50	5.6	4.0	5.3
19	.66	.00	.00	.00	.00	.00	52	56	56	5.6	3.8	4.9
20	.00	.00	.00	.00	.00	.08	46	70	78	4.9	3.6	4.9
21	.00	.00	.00	.00	.00	.00	33	72	88	5.6	4.2	5.3
22	.00	.00	.00	.00	.00	.00	22	70	72	7.0	4.2	5.3
23	.00	.00	.00	.00	.00	.00	5.6	68	61	7.7	4.0	5.6
24	.00	.00	.00	.00	.00	.00	28	72	47	7.7	2.5	5.3
25	.00	.00	.00	.00	.00	.00	66	95	39	4.4	3.4	5.3
26	.00	.00	.00	.00	.00	.23	82	185	37	4.2	4.4	4.9
27	.00	.00	.00	.00	.00	.21	80	221	29	3.4	4.2	4.9
28	.00	.00	.00	.00	.00	.00	66	231	22	3.2	4.4	4.6
29	.00	.00	.00	.00	---	.20	40	221	13	3.4	4.6	4.6
30	.00	.00	.00	.00	---	.45	42	225	9.9	3.2	4.4	4.6
31	.00	---	.00	.00	---	.00	---	303	---	3.0	4.6	---
TOTAL	74.76	.72	.13	.00	.00	1.24	624.21	2846	4746.9	179.56	124.5	143.0
MEAN	2.41	.024	.004	.000	.000	.040	20.8	91.8	158	5.79	4.02	4.77
MAX	12	.49	.13	.00	.00	.45	82	303	388	23	4.6	5.6
MIN	.00	.00	.00	.00	.00	.00	.00	10	9.9	.96	2.5	4.0
AC-FT	148	1.4	.3	.00	.00	2.5	1240	5650	9420	356	247	284

CAL YR 1980 TOTAL 14333.02 MEAN 39.2 MAX 462 MIN .00 AC-FT 28430
WTR YR 1981 TOTAL 8741.02 MEAN 23.9 MAX 388 MIN .00 AC-FT 17340

TABLE 4.--Continued

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH

LOCATION.--Lat 40°39'50", long 111°54'04", in NE¼NE¼NW¼ sec. 12, T.2 S., R.1 W., Salt Lake County, Hydrologic Unit 16020204, on right bank 5 ft (2 m) downstream from Interstate 15 culverts, 40 ft (12 m) upstream from bridge on 360 West in Murray, and 2,000 ft (610 m) upstream from mouth at Jordan River.

DRAINAGE AREA.--46 mi² (119 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1980 to September 1981.

GAGE.--Water-stage recorder. Datum of gage is 4,244.69 ft (1,293.782 m) from Salt Lake County Datum.

REMARKS.--Records good. Flow regulated. Diversions for irrigation and return flow from irrigation canals.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 383 ft³/s (10.8 m³/s) June 3, 1981, gage height, 4.71 ft (1.436 m); maximum gage height, 4.73 ft (1.442 m) July 2, 1980; minimum daily discharge, 0.46 ft³/s (0.013 m³/s) Feb. 21, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 383 ft³/s (10.8 m³/s) June 3, gage height, 4.71 ft (1.436 m); minimum daily, 0.46 ft³/s (0.013 m³/s) Feb. 21.

REVISIONS.--The maximum discharge for the water year 1980 has been revised to 376 ft³/s (19.6 m³/s) July 2, 1980, gage height, 4.73 ft (1.442 m), superseding figure published in Utah Hydrologic-Data Report No. 36 (U.S. Geological Survey Open-File Report 81-1111).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	4.2	8.6	1.9	3.9	5.1	16	51	322	30	31	43
2	27	4.2	6.9	1.4	4.6	5.1	13	90	295	47	31	43
3	29	4.2	6.0	1.4	5.1	9.6	10	226	334	52	22	43
4	25	4.2	5.5	2.5	3.9	7.3	10	123	271	48	13	44
5	30	4.2	12	2.5	4.2	6.9	14	83	297	44	9.6	63
6	31	3.5	6.9	2.5	3.5	5.1	12	73	300	33	3.5	68
7	31	3.2	5.1	3.2	3.5	4.6	4.6	54	323	20	3.9	69
8	29	4.2	4.6	3.5	3.9	6.0	6.9	67	335	15	15	60
9	31	3.9	4.6	3.5	4.2	5.1	12	57	335	12	17	60
10	29	4.2	4.6	3.5	2.2	4.2	4.6	48	312	16	17	58
11	27	4.6	5.1	3.5	2.8	2.8	6.4	55	240	14	24	58
12	31	16	4.6	3.5	4.2	3.9	8.2	52	238	6.9	21	58
13	29	8.2	4.6	2.8	4.6	4.2	4.6	48	222	10	21	54
14	35	6.0	4.6	3.5	4.2	3.5	4.6	50	163	11	23	52
15	27	4.6	4.2	3.2	2.5	3.5	4.2	94	106	13	28	44
16	19	5.1	4.6	3.5	3.9	5.5	18	114	65	18	40	44
17	13	4.6	3.5	3.2	2.8	1.7	19	64	52	25	36	51
18	7.3	4.2	2.2	4.6	2.8	2.8	36	47	50	30	37	52
19	6.0	3.9	1.9	3.9	4.2	4.6	60	43	46	28	30	50
20	6.9	3.9	1.9	4.2	1.7	8.6	64	75	54	23	26	50
21	6.4	4.0	1.9	3.9	.46	7.3	40	110	57	21	33	50
22	6.0	6.9	2.2	3.5	1.9	5.5	17	90	55	24	37	34
23	5.5	6.0	1.7	3.5	3.9	4.2	1.4	84	48	21	43	32
24	6.4	11	1.4	3.5	4.6	2.8	9.1	103	40	29	44	36
25	5.5	7.8	1.4	3.2	6.9	3.9	44	131	34	30	35	47
26	6.2	7.3	1.4	3.5	11	8.8	95	257	30	28	27	46
27	5.5	7.3	1.7	3.5	10	13	98	282	32	35	20	41
28	4.6	7.8	1.4	4.2	5.1	10	94	259	35	32	27	40
29	4.6	8.2	1.7	4.6	---	7.5	59	253	30	36	39	40
30	4.6	10	1.9	8.2	---	19	52	264	29	29	41	40
31	4.6	---	1.9	6.0	---	16	---	321	---	29	40	---
TOTAL	553.1	177.4	120.6	109.4	116.56	198.1	837.6	3668	4750	809.9	835.0	14/0
MEAN	17.8	5.91	3.89	3.53	4.16	6.39	27.9	118	158	26.1	26.9	49.0
MAX	35	16	12	8.2	11	19	98	321	335	52	44	69
MIN	4.6	3.2	1.4	1.4	.46	1.7	1.4	43	29	6.9	3.5	32
AC-FT	1100	352	239	217	231	393	1660	7270	9420	1610	1660	2920

WTR YR 1981 TOTAL 13645.66 MEAN 37.4 MAX 335 MIN .46 AC-FT 27070

TABLE 4.--Continued

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1979 to August 1982.

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI KF AGAR (COLS. PER 100 ML)
OCT. 1980											
26...	1120	--	5.0	1080	8.1	5.0	11.0	10	--	--	--
26...	1600	--	9.5	--	--	6.0	10.0	--	--	--	--
26...	1710	--	8.4	1100	8.1	6.0	10.0	44	--	K200	--
MAR. 1981											
26...	0655	--	7.0	1020	7.7	13.0	9.0	30	--	--	--
26...	1215	--	6.9	--	--	2.0	9.0	--	270	200	K1440
26...	1445	--	13	--	--	2.0	7.0	--	K140	270	K10
26...	1745	--	22	--	--	1.0	5.0	--	2500	2900	8800
26-26	1100	2310	--	--	--	--	--	54	--	--	--
MAY											
10-11	2300	0600	--	820	7.8	--	--	42	--	--	--
11...	0115	--	67	--	--	10.0	14.0	--	--	K1800	6000
11...	1015	--	43	960	7.9	--	--	33	--	--	--
19...	2100	--	43	540	7.8	17.0	15.0	14	K10	180	790
20...	1615	--	93	--	--	16.0	12.0	--	2400	K7400	7000
20-20	0800	2030	--	550	7.9	--	--	23	--	--	--
AUG.											
31...	0800	--	40	--	--	--	--	--	--	--	--
SEPT.											
05...	0620	--	47	1310	7.7	19.0	17.0	98	--	--	--
05...	1435	--	161	--	--	--	--	--	>8000	7600	>10000
05...	1555	--	99	--	--	--	--	--	>8000	>240	>10000
05-05	1200	2000	--	1080	7.9	--	--	150	--	--	--
AUG. 1982											
24...	1130	--	20	--	--	--	--	--	--	--	--
DATE	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)
OCT. 1980											
26...	--	130	140	658	646	2	1.20	.010	.080	.10	1.40
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	110	100	483	497	33	.89	.040	.050	.06	1.50
MAR. 1981											
26...	240	180	150	705	--	3	.89	.020	.100	.13	.74
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26-26	140	85	78	407	--	4	.96	.040	.210	.27	1.30
MAY											
10-11	140	130	110	506	--	142	.45	.010	.190	.24	1.10
11...	--	--	--	--	--	--	--	--	--	--	--
11...	160	150	130	592	--	67	.47	.010	.110	.14	1.00
19...	110	75	57	331	--	23	.38	.000	.060	.08	.66
20-20	100	81	62	341	--	59	.95	.010	.080	.10	.85
AUG.											
31...	--	--	--	--	--	--	--	--	--	--	--
SEPT.											
05...	170	230	210	831	--	11	.01	.130	.020	.03	3.80
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05-05	170	180	190	670	--	812	.25	.030	<.070	.09	4.60

K Results based on colony count outside the acceptable range (non-ideal colony count).

TABLE 4.--Continued

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	NITRO- GEN, NH ₄ + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)
OCT. 1980											
26...	.93	.47	.39	1.7	.170	.110	5	4	11	0	12
26...	--	--	--	--	--	--	--	--	--	--	--
26...	.00	1.5	1.5	2.4	.120	.090	4	8	--	--	16
MAR. 1981											
26...	.01	.73	.63	1.6	.060	.020	<1	10	5	3	2
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26-26	.70	.60	.39	1.6	.500	.050	0	40	54	50	4
MAY											
10-11	.26	.84	.65	1.3	.230	.070	<1	0	27	23	4
11...	--	--	--	--	--	--	--	--	--	--	--
11...	.00	1.1	.99	1.6	.130	.060	<1	10	9	6	3
19...	.16	.50	.44	.88	.060	.020	<1	10	12	6	6
20-20	.25	.60	.52	1.6	.140	.040	1	10	18	12	6
AUG.											
31...	--	--	--	--	--	--	0	0	8	3	5
SEPT.											
05...	2.6	1.2	1.2	1.3	.350	.060	<1	0	21	13	8
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05-05	--	<.22	--	--	.880	.040	<1	10	100	96	4
DATE	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT. 1980											
26...	51	7	--	<10	70	20	48	.5	9.3	--	--
26...	--	--	--	--	--	--	--	--	--	31	.80
26...	110	--	--	<10	170	100	72	1.5	18	--	--
MAR. 1981											
26...	30	0	0	0	70	40	30	.1	4.6	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26-26	40	190	190	1	260	250	10	>4.0	6.6	--	--
MAY											
10-11	20	64	49	15	120	100	20	--	7.0	216	--
11...	--	--	--	--	--	--	--	--	--	--	--
11...	20	31	15	16	60	50	10	1.6	14	156	18
19...	20	15	15	0	60	10	50	.5	8.9	--	--
20-20	10	29	27	2	60	30	30	1.1	6.6	--	--
AUG.											
31...	40	16	13	3	30	0	30	--	--	--	--
SEPT.											
05...	17	59	57	2	80	50	33	4.4	14	229	29
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05-05	47	470	470	4	420	400	18	4.4	10	903	--
DATE	TIME	HARD- NESS (MG/L AS CaCO ₃)	HARD- NESS, NONCAR- BONATE (MG/L CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO ₂)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS Al)
OCT. 1980											
26...	1120	370	140	85	37	85	2.1	11	.3	13	30
26...	1710	270	93	66	26	62	1.8	9.1	.4	9.9	750
AUG. 1981											
31...	0800	350	--	51	55	--	--	--	--	--	--

TABLE 4.--Continued

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

		CADMIUM											
		BERYL- LIUM, DIS- SOLVED (UG/L AS BA)	LIUM, DIS- SOLVED (UG/L AS BE)	TOTAL RECOV- ERABLE (UG/L AS CD)	SUS- PENDE D RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	
OCT. 1980													
26...		150	<1	5	0	<3	59	45	<10	0	690	<6.0	
26...		130	<1	--	--	<3	44	32	<10	--	530	<6.0	
AUG. 1981													
31...		100	--	1	1	0	--	20	--	1	--	--	
DATE		TIME	END- ING TIME (2400 HOURS)	TUR- BID- ITY (FTU)	BOD OXYGEN DEMAND, BIOCHEM ULT. CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C					
MAR. 1981													
26...		0655	--	--	1.4	3.0	.12	.06					
26-26		1100	2310	--	9.2	18	.15	.06					
MAY													
10-11		2300	0600	68	5.4	11	.13	.06					
11...		1015	--	45	2.8	5.0	.17	.08					
19...		2100	--	--	1.6	2.8	.15	.07					
20-20		0800	2030	--	5.0	7.8	.20	.08					
AUG.													
31...		0800	--	--	--	--	--	--					
SEPT.													
05...		0620	--	--	10	31	.08	.04					
05-05		1200	2000	--	5.8	23	.06	.02					
DATE		CHRO- MIUM, SUS- PENDE D RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE D RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE D RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)					
MAR. 1981													
26...		10	0	480	450	.1	.1	.0					
26-26		40	0	6600	6600	.2	.0	.2					
MAY													
10-11		0	0	2900	2900	.1	.1	.0					
11...		10	0	1200	1200	.1	.1	.0					
19...		10	0	610	590	.2	.2	.0					
20-20		10	0	1400	1400	.1	.1	.0					
AUG.													
31...		0	0	1100	1100	.1	.1	.0					
SEPT.													
05...		0	3	2000	2000	.0	.0	.0					
05-05		7	3	14000	14000	.3	.3	.0					
DATE		TIME	END- ING TIME (2400 HOURS)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE D RECOV- ERABLE (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC IN BOT- TOM MA- TERIAL (UG/G AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE D RECOV- ERABLE (UG/L AS BA)	BERYL- LIUM, RECOV- ERABLE FM BOT- TOM MA- TERIAL (UG/G) AS B)	BORON, DIS- SOLVED (UG/L AS B)	CADIUM RECOV- ERABLE FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV- ERABLE FM BOT- TOM MA- TERIAL (UG/G) AS SE)
AUG. 1981													
31...		0800	--	40	4	36	18	200	100	<1	290	1	3
AUG. 1982													
24...		1130	--	--	--	--	15	--	--	<1	--	2	2
DATE		TIME	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COPPER, RECOV- ERABLE FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, RECOV- ERABLE FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE D RECOV- ERABLE (UG/L AS MN)	MERCURY RECOV- ERABLE FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE D RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE D RECOV- ERABLE (UG/L AS SE)
AUG. 1981													
31...		0	50	210	60	40	.04	4	2	2	1	0	1
AUG. 1982													
24...		--	34	200	--	--	.04	--	--	--	--	--	--

TABLE 4.--Continued

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	SEL- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	SILVER, FM BOT- TOM MA- (UG/G AS AG)	ZINC, RECOV. FM BOT- TOM MA- (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)
AUG. 1981												
31...	0	1	0	--	400	.00	.00	.0	0	.00	2	.00
AUG. 1982												
24...	<1	--	--	1	270	--	--	<1.0	--	--	4	--
DATE	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)
AUG. 1981												
31...	.0	.00	4.0	.00	.2	.00	.2	.00	.0	.00	.1	.00
AUG. 1982												
24...	<.1	--	5.0	--	<.1	--	.4	--	<.1	--	.2	--
DATE	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)
AUG. 1981												
31...	.0	.00	.0	.00	.0	.00	.0	.0	.0	.00	.0	0
AUG. 1982												
24...	<.1	--	<.1	--	<.1	--	<.1	<.1	7.5	--	<.1	--
DATE	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2, 4-DP TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4,5-T TOTAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
AUG. 1981												
31...	.0	.06	.0	.00	.0	.00	.0	.00	.00	.00	.0	
AUG. 1982												
24...	<10	--	<.1	--	<.1	--	<.1	--	<1.00	--	<.1	

TABLE 4.--Continued

10168499 BIG COTTONWOOD CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH

LOCATION.--Lat 40°37'06", long 111°46'48", in NE¼SW¼NE¼ sec. 25, T.2 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on right bank 150 ft (46 m) upstream from bridge on State Highway 152, 300 ft (91 m) upstream from Big Cottonwood Creek water-treatment plant at canyon mouth, and 12 mi (19 km) southeast of Salt Lake City.

DRAINAGE AREA.--50.0 mi² (129.5 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to September 1968, October 1979 to September 1981. Records for October 1960 to September 1963, October 1968 to September 1979 in files of Salt Lake City Water Department. Prior to October 1979, published in "Hydrologic and Climatologic Data" reports for Salt Lake County, Utah as 101685 C Big Cottonwood Creek at water treatment plant, near Salt Lake City, Utah.

GAGE.--Water-stage recorder and Parshall flume. Altitude of gage is 4,990 ft (1,521 m) from topographic map.

REMARKS.--Records good. Diversions upstream from station for power and irrigation. Diversions to Utah Power & Light Co. powerplant, about 2 mi (3 km) upstream and to Butler Ditch, about 0.8 mi (1.3 km) upstream.

COOPERATION.--Gage-height record furnished by Salt Lake City Water Department.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 507 ft³/s (14.4 m³/s) June 5, 1968; minimum daily, 1.2 ft³/s (0.034 m³/s) Nov. 6, 1965.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 462 ft³/s (13.1 m³/s) June 2, gage height, 2.94 ft (0.896 m); minimum discharge, 11 ft³/s (0.312 m³/s) Jan. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	25	24	21	19	23	32	150	277	93	48	32
2	30	25	24	21	19	22	31	176	296	98	49	31
3	33	25	23	21	18	22	34	208	307	85	52	31
4	36	26	25	21	18	22	32	159	300	73	51	30
5	36	26	25	21	18	22	31	137	250	67	51	34
6	35	27	25	20	19	22	32	128	230	69	50	36
7	35	26	24	20	19	22	35	111	256	63	50	34
8	35	26	22	20	18	22	34	103	277	60	50	34
9	35	26	22	20	19	21	35	95	287	59	49	34
10	34	25	22	20	18	21	42	94	236	59	49	32
11	33	25	22	19	17	21	57	112	201	57	46	31
12	32	33	22	19	19	21	60	102	196	55	44	29
13	33	32	22	19	19	21	58	94	197	55	39	28
14	30	28	22	19	19	23	61	94	163	52	37	28
15	34	23	22	19	19	22	68	112	137	49	35	28
16	33	26	22	18	19	23	72	119	108	46	34	26
17	32	26	22	18	20	23	81	118	110	44	33	27
18	32	24	22	19	20	22	91	115	113	44	32	27
19	31	23	22	19	20	22	103	125	117	43	36	29
20	31	24	22	18	21	23	91	139	131	41	39	29
21	31	24	21	18	20	24	81	152	134	40	41	28
22	31	24	22	18	20	24	76	159	126	40	40	28
23	28	24	22	18	20	25	78	148	122	45	40	27
24	27	25	22	19	20	26	91	144	119	48	40	27
25	28	24	22	19	21	26	123	155	115	48	40	28
26	28	24	22	19	21	27	141	190	110	48	40	28
27	28	24	22	18	22	28	137	198	106	48	40	27
28	26	24	22	18	23	27	119	218	102	47	39	25
29	26	24	22	18	---	28	114	220	98	48	39	24
30	26	24	21	19	---	35	130	231	95	48	37	25
31	25	---	21	21	---	34	---	273	---	49	34	---
TOTAL	965	762	695	597	545	744	2170	4579	5316	1721	1304	877
MEAN	31.1	25.4	22.4	19.3	19.5	24.0	72.3	148	177	55.5	42.1	29.2
MAX	36	33	25	21	23	35	141	273	307	98	52	36
MIN	25	23	21	18	17	21	31	94	95	40	32	24
AC-FT	1910	1510	1380	1180	1080	1480	4300	9080	10540	3410	2590	1740
CAL YR 1980	TOTAL	20914.2	MEAN	57.2	MAX	293	MIN	5.8	AC-FT	41480		
WTR YR 1981	TOTAL	20275	MEAN	55.5	MAX	307	MIN	17	AC-FT	40220		

TABLE 4.--Continued

10168499 BIG COTTONWOOD CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1980 to September 1981.

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	ALKA- LINITY LAB (MG/L AS CACO3)
OCT. 1980											
26...	1048	--	28	350	8.3	--	--	5	<1	<1	--
MAR. 1981											
26...	0721	--	26	500	7.8	14.5	6.5	15	--	--	110
26-26	1200	1900	--	455	7.9	--	--	7	--	--	110
MAY											
10...	2225	--	98	210	7.8	8.5	17.0	0	--	--	45
10-11	2200	1130	--	200	7.4	--	--	16	--	--	67
19...	1830	--	132	190	7.3	9.5	17.5	9	--	--	62
20-20	0600	2200	--	170	7.5	--	--	16	--	--	54
SEPT.											
05...	0600	--	30	300	8.2	--	--	19	--	--	120
05-05	1300	1830	--	285	8.3	--	--	23	--	--	110
DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT. 1980											
26...	38	11	209	200	6	.12	.000	.040	.05	1.20	1.0
MAR. 1981											
26...	43	21	231	--	0	.22	.010	.020	.03	.68	.42
26-26	43	25	208	--	0	.30	.000	.080	.10	.68	.21
MAY											
10...	27	14	129	--	0	.30	.010	.110	.14	.52	.00
10-11	25	17	113	--	10	.20	.010	.120	.15	.67	.06
19...	22	5.3	111	--	3	.13	.000	.040	.05	.38	.00
20-20	51	5.9	104	--	3	.12	.010	.080	.10	.93	.48
SEPT.											
05...	34	6.0	171	--	13	.00	.100	.020	.03	.54	.00
05-05	27	6.2	172	--	33	.12	.010	.080	.10	.98	.50
DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
OCT. 1980											
26...	.17	.13	.29	.050	.040	1	2	5	--	<10	12
MAR. 1981											
26...	.26	.24	.49	.010	.010	<1	10	4	2	2	10
26-26	.47	.39	.77	.020	.010	<1	10	2	0	2	20
MAY											
10...	.60	.49	.91	.030	.030	2	0	7	7	0	30
10-11	.61	.49	.82	.050	.040	<1	0	5	2	3	40
19...	.38	.34	.51	.040	.010	<1	10	6	4	2	40
20-20	.45	.37	.58	.040	.020	<1	10	6	4	2	40
SEPT.											
05...	.76	.74	.86	.020	.010	<1	0	9	0	27	<10
05-05	.48	.40	.61	.040	<.010	<1	0	15	13	2	12

TABLE 4.--Continued

10168499 BIG COTTONWOOD CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

		LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	
OCT. 1980												
26...		0	--	<10	20	10	7	.2	1.7	--	--	
MAR. 1981												
26...		12	4	8	20	10	10	.1	2.0	--	--	
26-26		0	0	0	20	10	10	.0	1.5	--	--	
MAY												
10...		3	0	4	10	0	20	.2	4.3	--	--	
10-11		10	0	16	20	10	9	--	6.1	10	--	
19...		4	0	6	20	0	30	.5	2.8	--	--	
20-20		4	0	4	10	0	20	--	6.2	--	--	
SEPT.												
05...		9	5	4	30	20	11	.2	1.3	3	.24	
05-05		22	20	2	30	10	16	1.2	1.8	33	--	
		HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	
DATE	TIME											
OCT. 1980												
26...		1048	160	33	42	14	6.6	.2	1.1	.2	7.5	20
		BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
DATE	TIME											
OCT. 1980												
26...		70	<1	0	0	<3	7	2	<10	0	310	<6.0

TABLE 4.--Continued

10168800 BIG COTTONWOOD CREEK AT COTTONWOOD LANE, NEAR SALT LAKE CITY, UTAH

LOCATION.--Lat 40°39'22", long 111°49'29", in NW¼SW¼SW¼ sec. 10, T.2 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on right bank at bridge on Cottonwood Lane and 8 mi (13 km) southeast of Salt Lake City.

DRAINAGE AREA.--58.2 mi² (150.7 km²).

PERIOD OF RECORD.--April to July 1964, October 1964 to September 1968. October 1979 to September 1981. Records for October 1968 to September 1979 in files of Salt Lake City Water Department.

GAGE.--Water-stage recorder. Altitude of gage is 4,405 ft (1,343 m) from topographic map.

REMARKS.--Records fair except the period of no gage-height record and gage height below 1.35 ft (0.411 m), which are poor. Flow regulated. Diversions for irrigation, municipal water supply, and power generation.

COOPERATION.--Gage-height record furnished by Salt Lake City Water Department.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 393 ft³/s (11.1 m³/s) June 5, 1968; no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 270 ft³/s (7.65 m³/s) June 3, gage height, 3.20 ft (0.975 m); minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	.20	.10	.00	.00	.00	.00	74	182	2.4	2.0	1.4
2	2.0	.20	.10	.00	.00	.00	.00	98	175	5.3	2.0	1.4
3	2.0	.20	.10	.00	.00	.00	.00	155	249	6.9	1.3	1.4
4	2.0	.20	.10	.00	.00	.00	.00	112	201	5.0	1.3	1.4
5	2.0	.20	2.0	.00	.00	.00	.00	84	168	5.0	1.3	2.2
6	2.0	.10	.30	.00	.00	.00	.00	72	170	5.0	1.3	4.7
7	2.0	.10	.30	.00	.00	.00	.00	64	191	5.0	1.3	4.7
8	2.0	.10	.30	.00	.00	.00	.00	59	206	5.0	1.3	4.4
9	2.0	.10	.20	.00	.00	.00	.00	52	219	5.0	1.3	6.2
10	2.0	.10	.20	.00	.00	.00	.00	55	189	5.0	2.0	3.1
11	2.0	.10	.20	.00	.00	.00	.00	65	151	5.0	2.0	2.5
12	2.0	2.0	.10	.00	.00	.00	.03	56	136	3.0	2.0	2.5
13	3.5	.30	.10	.00	.00	.00	.08	49	133	3.0	2.0	2.4
14	4.0	.30	.10	.00	.00	.00	9.9	29	109	3.0	2.0	2.5
15	4.0	.30	.10	.00	.00	.00	22	47	68	3.0	2.0	2.4
16	4.0	.30	.10	.00	.00	.00	36	81	43	2.0	2.0	2.4
17	4.0	.30	.00	.00	.00	.00	64	80	29	1.5	2.0	2.4
18	2.5	.30	.00	.00	.00	.00	64	78	20	1.5	2.0	2.4
19	2.0	.20	.00	.00	.00	.00	86	81	15	1.5	3.0	2.2
20	2.0	.20	.00	.00	.00	.00	68	94	27	1.5	3.0	2.0
21	2.0	.10	.00	.00	.00	.00	58	101	38	1.5	3.0	2.2
22	1.0	.10	.00	.00	.00	.00	58	104	43	1.5	3.0	2.2
23	.80	.10	.00	.00	.00	.00	65	100	41	1.5	1.5	2.2
24	.60	.10	.00	.00	.00	.00	71	91	30	1.5	1.5	1.9
25	.50	2.0	.00	.00	.00	.00	92	91	23	1.5	1.5	1.8
26	.50	.30	.00	.00	.00	.00	95	126	21	1.5	1.5	1.8
27	1.0	.30	.00	.00	.00	.00	100	138	15	1.5	1.5	2.2
28	.40	.20	.00	.00	.00	.00	72	155	11	2.0	1.5	2.2
29	.30	.10	.00	.00	---	.00	50	151	7.6	2.0	1.5	1.8
30	.30	.10	.00	.00	---	.00	58	155	4.4	2.0	1.5	1.9
31	.20	---	.00	.00	---	.00	---	182	---	2.0	1.5	---
TOTAL	57.60	9.20	4.40	.00	.00	.00	1069.01	2879	2915.0	93.1	56.6	74.8
MEAN	1.86	.31	.14	.000	.000	.000	35.6	92.9	97.2	3.00	1.83	2.49
MAX	4.0	2.0	2.0	.00	.00	.00	100	182	249	6.9	3.0	6.2
MIN	.20	.10	.00	.00	.00	.00	.00	29	4.4	1.5	1.3	1.4
AC-FT	114	18	8.7	.00	.00	.00	2120	5710	5780	185	112	148

CAL YR 1980 TOTAL 11200.22 MEAN 30.6 MAX 255 MIN .00 AC-FT 22220
WTR YR 1981 TOTAL 7158.71 MEAN 19.6 MAX 249 MIN .00 AC-FT 14200

NOTE.--No gage-height record Oct. 16-20, Nov. 4-6, Nov. 23 to Feb. 5.

TABLE 4.--Continued

10168832 NEFFS CREEK AT WASATCH BOULEVARD, NEAR SALT LAKE CITY, UTAH

LOCATION.--Lat 40°40'53", long 111°47'45", in NE1/4NE1/4NE1/4 sec. 2, T.2 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, about 150 ft (45 m) east of Wasatch Boulevard, 0.4 mi (0.6 km) south of intersection of 3900 South and Wasatch Boulevard, and 7 mi (11 km) southeast of Salt Lake City.

PERIOD OF RECORD.--September 1981

WATER-QUALITY DATA										
DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
SEPT. 1981										
05...	1330	.30	980	6.6	14.0	17.0	100	40	<5.0	3.7
05...	1345	2.2	--	8.1	14.0	17.0	430	46	<5.0	8.2
	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)
DATE										
SEPT. 1981										
05...	68	119	.65	.040	<.070	.09	.49	.00	.81	--
05...	123	1840	1.30	.150	.520	.67	11.0	8.8	2.2	1.7
	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
DATE										
SEPT. 1981										
05...	1.5	.550	.240	<1	10	36	29	7	38	220
05...	3.6	.310	.350	<1	60	200	190	8	220	8800
	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	
DATE										
SEPT. 1981										
05...	210	9	170	110	57	4.4	14	163	.13	
05...	8800	8	720	700	16	>4.0	21	3280	19	
	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)				
DATE										
SEPT. 1981										
05...		19	39	.13	.06	--	8			
05...		--	--	--	--	.220	58			
	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)				
DATE										
SEPT. 1981										
05...		2	3500	3500	.1	.1	.0			
05...		2	45000	45000	.3	.3	.0			

TABLE 4.--Continued

10168840 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK, NEAR MURRAY, UTAH

LOCATION.--Lat 40°39'55", long 111°50'22", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$, sec. 9, T.2 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on right bank at Big Cottonwood Creek and Highland Circle, 180 ft (55 m) southeast of intersection of 4300 South and Highland Drive, and 3 mi (4.8 km) northeast of Murray.

DRAINAGE AREA.--8.4 mi² (22 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Velocity modified flow meter. Altitude of gage is 4,350 ft (1,326 m) from topographic map.

REMARKS.--Records fair.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 119 ft³/s (3.37 m³/s) May 16; minimum daily, 0.27 ft³/s (0.008 m³/s) Nov. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.7	1.4	1.7	1.1	1.2	1.4	12	8.0	2.1	.93	.75
2	1.6	1.7	1.4	1.7	1.1	1.2	3.8	18	7.3	3.7	.94	.75
3	1.7	1.4	.96	1.5	1.2	2.0	2.8	20	9.6	3.0	1.1	.83
4	1.6	1.1	1.0	1.8	1.2	1.2	1.2	13	7.7	3.8	1.1	1.2
5	1.4	.83	1.0	1.7	1.2	1.3	1.2	13	8.9	4.7	.97	2.1
6	1.3	.69	1.0	1.4	1.2	1.3	1.2	15	7.8	7.2	1.3	2.7
7	1.2	.71	1.0	1.2	1.2	1.2	1.3	8.5	6.6	5.5	.98	1.4
8	1.2	.68	1.2	1.2	1.2	1.3	1.5	7.3	5.4	2.9	1.4	1.6
9	1.3	.86	1.4	1.4	1.2	1.3	1.5	2.0	4.8	2.4	2.7	1.6
10	1.3	.82	1.6	1.3	1.2	1.3	2.8	2.8	4.2	3.5	4.0	1.5
11	1.3	.72	1.7	1.4	1.2	1.3	2.0	6.4	4.7	2.0	1.3	1.5
12	1.4	3.4	1.5	1.4	1.2	1.4	1.7	2.2	7.3	1.3	1.6	1.4
13	1.4	.42	1.5	1.3	1.2	1.4	1.8	1.6	14	1.4	1.2	1.2
14	1.6	.30	1.6	1.4	.96	1.4	1.8	1.2	21	1.1	1.4	1.2
15	1.4	.27	1.5	1.1	.96	1.3	2.7	17	7.0	2.0	1.4	.75
16	1.6	.30	1.6	1.1	1.0	2.7	2.7	15	3.2	.83	1.4	.75
17	1.7	.30	1.6	1.4	1.2	1.7	2.4	6.3	3.1	.67	.75	.75
18	1.4	.30	1.6	.96	1.1	1.4	2.1	3.6	4.4	.75	1.2	.75
19	1.3	.38	1.5	.96	1.2	1.3	2.3	3.6	6.1	1.8	.75	.67
20	1.4	.33	1.2	1.4	1.6	1.4	2.2	5.3	9.7	.67	1.6	.59
21	1.4	.33	2.4	1.2	1.4	1.2	2.2	8.3	7.0	1.6	2.0	.75
22	1.4	.34	2.2	1.4	1.4	1.2	2.2	4.7	5.0	1.5	.75	.59
23	1.4	.80	2.4	1.1	1.1	1.7	2.1	4.9	3.1	1.3	.75	.75
24	1.6	1.3	2.2	1.2	1.3	1.4	2.3	4.8	4.1	1.2	.75	.75
25	1.6	1.4	2.0	.96	1.4	1.4	8.1	6.9	2.3	1.8	.75	.75
26	1.9	1.7	1.8	.98	4.7	7.0	9.9	9.7	3.0	1.4	.75	1.2
27	1.6	1.8	1.6	1.2	2.0	5.5	11	4.6	4.7	1.6	.75	1.4
28	1.4	1.9	1.6	1.0	1.2	3.0	11	6.0	4.7	1.8	.75	1.3
29	1.6	1.8	1.6	1.2	---	5.1	11	5.1	5.6	1.7	.75	1.6
30	1.4	1.6	1.7	1.6	---	6.5	11	6.4	4.0	1.6	.75	1.0
31	1.6	---	1.8	1.2	---	2.2	---	8.7	---	.98	.75	---
TOTAL	45.4	30.18	48.56	40.36	37.92	64.8	111.2	243.9	194.3	67.80	37.52	34.08
MEAN	1.46	1.01	1.57	1.30	1.35	2.09	3.71	7.87	6.48	2.19	1.21	1.14
MAX	1.9	3.4	2.4	1.8	4.7	7.0	11	20	21	7.2	4.0	2.7
MIN	1.2	.27	.96	.96	.96	1.2	1.2	1.2	2.3	.67	.75	.59
AC-FT	90	60	96	80	75	129	221	484	385	134	74	68

WTR YR 1981 TOTAL 956.02 MEAN 2.62 MAX 21 MIN .27 AC-FT 1900

TABLE 4.--Continued

10168840 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK, NEAR MURRAY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1980 to September 1981.

REVISIONS.--The discharge figures have been revised for the water-quality samples listed in the following table. They supersede figures published in Utah Hydrologic-Data Report No. 36 (U.S. Geological Survey Open-File Report 81-1111).

		Date		Time		Discharge						
		July 1, 1980		1745		1.2						
				1830		48						
				1950		36						
				2030		28						
				2145		.19						
WATER-QUALITY DATA												
		END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	ALKA- LITY LAB (MG/L AS CACO3)	
DATE	TIME											
OCT. 1980												
26...	0830	--	.89	--	--	--	--	--	--	--	--	
26...	0930	--	.89	135	8.4	4.0	9.0	4	K1000	K1100	170	
26...	1130	--	1.8	--	--	--	--	--	--	--	--	
26...	1230	--	13	135	7.8	--	--	94	K13000	K12000	40	
26...	1330	--	6.2	165	7.8	--	--	54	K500	5300	48	
26...	1730	--	1.6	415	8.2	--	--	20	K1600	K1100	120	
MAR. 1981												
26...	0900	--	1.8	610	8.3	8.0	10.0	4	--	--	140	
26-26	1130	2000	--	210	7.5	--	--	66	--	--	42	
27-28	0835	2200	--	840	8.0	--	--	19	--	--	91	
29-30	1700	0600	--	255	7.7	--	--	61	--	--	53	
MAY												
10...	2315	--	2.0	165	7.1	--	--	140	--	--	36	
10-11	2245	0330	--	--	7.7	--	--	64	--	--	49	
19...	1700	--	3.6	195	7.7	--	--	16	--	--	75	
20-20	0600	1600	--	150	6.9	--	--	41	--	--	55	
SEPT.												
05...	0900	--	2.0	650	7.4	--	--	210	--	--	120	
05-05	1300	1630	--	395	7.3	--	--	200	--	--	120	
06-06	0700	1200	--	620	7.3	--	--	69	--	--	88	
		SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT. 1980												
26...	--	--	--	--	--	--	--	--	--	--	--	--
26...	120	8.3	353	351	4	.14	.040	.200	.26	.24	.04	--
26...	--	--	--	--	--	--	--	--	--	--	--	--
26...	21	6.1	91	83	131	.45	.050	.360	.46	1.50	.50	--
26...	24	5.9	101	96	75	.34	.040	.320	.41	1.40	.68	--
26...	82	8.6	257	250	8	.26	.020	.230	.30	1.10	.61	--
MAR. 1981												
26...	170	8.4	380	--	3	.06	.000	.020	.03	.26	.00	--
26-26	23	20	117	--	33	.49	.040	.290	.37	1.00	.38	--
27-28	63	190	478	--	72	.28	.020	.130	.17	.61	.05	--
29-30	31	19	146	--	272	.26	.030	.150	.19	.89	.12	--
MAY												
10...	21	16	112	--	209	.66	.040	.660	.85	2.90	1.4	--
10-11	4.7	6.0	71	--	274	.32	.020	.280	.36	1.70	1.1	--
19...	24	3.9	115	--	17	.14	.000	.050	.06	.61	.31	--
20-20	9.7	3.5	89	--	88	.27	.010	.170	.22	1.30	.57	--
SEPT.												
05...	87	72	478	--	52	.12	.040	.220	.28	4.00	1.8	--
05-05	44	47	237	--	1010	.09	.010	.150	.19	4.60	3.6	--
06-06	89	83	390	--	46	.56	.020	.140	.18	2.30	1.4	--

K Results based on colony count outside the acceptable range (non-ideal colony count).

TABLE 4.--Continued

10168840 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK, NEAR MURRAY. UTAH--Continued

WATER-QUALITY DATA

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE- RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
OCT. 1980											
26...	--	--	--	--	--	--	--	--	--	--	--
26...	.20	.00	.38	.070	.060	1	3	5	--	<10	<10
26...	--	--	--	--	--	--	--	--	--	--	--
26...	1.0	.64	1.5	.530	.230	<1	16	34	19	15	66
26...	.72	.40	1.1	.370	.170	<1	10	21	5	16	360
26...	.49	.26	.77	.210	.090	<1	4	8	0	11	140
MAR. 1981											
26...	.55	.53	.61	.030	.010	<1	20	4	2	2	10
26-26	.62	.33	1.2	.380	.100	<1	30	36	30	6	60
27-28	.56	.43	.86	.180	.050	1	30	18	14	4	30
29-30	.77	.62	1.1	.480	.060	1	30	40	32	8	90
MAY											
10...	1.5	.84	2.2	.600	.210	0	10	60	48	12	50
10-11	.65	.37	.99	.540	.110	0	10	39	35	4	40
19...	.30	.25	.44	.070	.030	<1	30	5	3	2	80
20-20	.73	.56	1.0	.230	.050	<1	20	19	15	4	60
SEPT.											
05...	2.2	2.0	2.4	.410	.210	<1	0	30	--	--	160
05-05	.96	.81	1.1	1.30	.100	<1	30	100	100	0	130
06-06	.89	.75	1.5	.240	.060	1	0	13	13	0	27

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE- RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE- RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE- TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT. SUS- PENDE- (MG/L)	SEDI- MENT DIS- CHARGE SUS- PENDE- (T/DAY)
OCT. 1980										
26...	--	--	--	--	--	--	--	--	97	.23
26...	20	9	11	20	10	10	.3	4.0	--	--
26...	--	--	--	--	--	--	--	--	581	2.8
26...	210	200	11	140	120	21	2.4	17	--	--
26...	100	--	<10	90	60	32	1.2	11	--	--
26...	20	--	<10	40	30	13	.5	8.2	--	--
MAR. 1981										
26...	1	0	1	170	160	8	.1	5.5	--	--
26-26	210	210	0	280	250	30	1.9	12	--	--
27-28	46	46	0	60	50	10	1.3	4.6	--	--
29-30	200	200	2	170	150	20	>4.0	7.4	--	--
MAY										
10...	370	340	29	220	190	30	12	20	484	2.6
10-11	230	210	21	170	150	20	5.5	8.2	493	--
19...	2	0	6	10	0	20	.4	3.0	20	.19
20-20	74	66	8	90	10	80	1.6	5.5	139	--
SEPT.										
05...	120	--	--	300	80	220	3.7	76	135	.73
05-05	590	590	3	600	550	47	22	11	1080	--
06-06	54	52	2	260	70	190	2.9	12	134	--

DATE	TIME	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM DIS- SOLVED (MG/L AS MG)	SODIUM DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM DIS- SOLVED (MG/L AS K)	FLUO- RIDE DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)
OCT. 1980											
26...	0930	300	130	79	24	7.0	.2	1.5	.5	7.1	30
26...	1230	52	12	16	3.0	6.0	.4	1.9	.1	2.2	1200
26...	1330	66	18	19	4.4	6.4	.4	1.9	.2	2.9	850
26...	1730	200	77	52	16	9.3	.3	2.0	.4	5.9	280

DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE- RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT. 1980											
26...	90	<1	0	0	<3	14	1	<10	0	860	<6.0
26...	40	<1	1	--	<3	<4	17	<10	0	110	<6.0
26...	60	<1	0	--	<3	5	18	<10	0	160	<6.0
26...	80	<1	0	--	<3	8	6	<10	0	610	<6.0

TABLE 4.--Continued

10168840 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK, NEAR MURRAY. UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	TUR- BID- ITY (FTU)	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C
MAR. 1981							
26...	0900	--	--	1.2	2.2	.14	.06
26-26	1130	2000	--	9.4	15	.20	.08
27-28	0835	2200	--	2.6	4.2	.21	.08
29-30	1700	0600	--	6.2	9.8	.20	.08
MAY							
10...	2315	--	65	24	33	.25	.11
10-11	2245	0330	120	5.6	13	.11	.04
19...	1700	--	13	2.0	4.6	.11	.04
20-20	0600	1600	35	3.0	20	.04	.02
SEPT.							
05...	0900	--	--	26	88	.08	.04
05-05	1300	1630	--	15	54	.06	.02
06-06	0700	1200	--	8.8	28	.08	.04

DATE	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
MAR. 1981							
26...	20	0	120	110	.1	.1	.0
26-26	30	0	4100	4000	.1	.1	.0
27-28	30	0	2500	2500	.0	.0	.0
29-30	30	0	6500	6400	.1	.1	.0
MAY							
10...	10	0	5200	5200	.2	.2	.0
10-11	10	0	6500	6500	.1	.1	.0
19...	30	0	330	250	.1	.1	.0
20-20	15	5	2300	2200	.2	.2	.0
SEPT.							
05...	0	1	1400	1200	.1	.1	.0
05-05	29	1	17000	17000	.2	.2	.0
06-06	0	0	1500	1500	.0	.0	.0

DATE	TIME	END- ING TIME (2400 HOURS)	ARSENIC TOTAL (UG/L AS AS)	CYANIDE TOTAL (MG/L AS CN)
MAY 1981				
19...	1700	--	1	.00
20-20	0600	1600	10	.01

TABLE 4.--Continued

10169500 BIG COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1980 to August 1982.

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT. 1980											
26...	1129	--	21	1450	7.7	--	--	56	--	--	--
26...	1629	--	30	1150	7.8	--	--	70	--	<1	--
27...	0500	--	21	--	--	--	--	--	--	--	--
27...	1410	--	20	--	--	--	--	--	--	--	--
MAR. 1981											
26...	0730	--	19	780	7.3	14.0	11.0	33	--	--	--
26...	1530	--	65	--	--	1.0	9.0	--	K80	K500	K30
26...	1800	--	61	--	--	.0	7.0	--	K1800	K200	4400
26-26	1200	1830	--	740	--	--	--	30	--	--	--
MAY											
19...	2150	--	112	440	7.6	15.0	13.0	57	<1	<1	1100
20...	1645	--	136	--	--	14.0	12.0	--	<1	<1	K20
20-20	0830	2010	--	420	7.6	--	--	52	--	--	--
AUG.											
31...	1000	--	26	--	--	--	--	--	--	--	--
SEPT.											
05...	0700	--	38	1160	7.7	17.0	19.0	61	--	--	--
05...	1345	--	91	--	--	--	--	--	>8000	>6000	>10000
05...	1615	--	107	--	--	--	--	--	>8000	>6000	>10000
05-05	1300	1800	--	860	7.4	--	--	120	--	--	--
AUG. 1982											
24...	1045	--	32	--	--	--	--	--	--	--	--
DATE	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)
OCT. 1980											
26...	180	110	150	601	588	25	1.30	.290	6.90	8.9	12.0
26...	220	100	87	496	504	37	.97	.130	6.90	8.8	11.0
27...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
MAR. 1981											
26...	220	110	82	537	--	24	1.20	.020	2.90	3.7	4.20
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26-26	160	83	58	409	--	53	1.40	.020	2.20	2.8	3.40
MAY											
19...	120	50	38	260	--	19	.35	.010	2.30	3.0	3.10
20-20	100	49	40	257	--	98	.39	.050	1.50	1.9	3.80
AUG.											
31...	--	--	--	--	--	--	--	--	--	--	--
SEPT.											
05...	190	180	160	720	--	14	.12	.200	<.060	.08	4.20
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05-05	170	110	130	527	--	676	.64	.100	3.40	4.4	2.40

K Results based on colony count outside acceptable range (non-ideal colony count).

TABLE 4.--Continued

10169500 BIG COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS- (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)
OCT. 1980											
26...	2.0	10	3.1	12	4.60	4.00	2	3	19	0	26
26...	4.4	6.6	.00	7.7	3.50	3.50	<1	3	18	1	17
27...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
MAR. 1981											
26...	.30	3.9	1.0	5.1	1.70	1.50	<1	10	5	3	2
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26-26	.80	2.6	.40	4.0	.880	.670	<1	10	18	16	2
MAY											
19...	.40	2.7	.40	3.1	2.00	1.40	<1	10	9	5	4
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	1.7	2.1	.60	2.5	2.10	.560	<1	20	28	26	2
AUG.											
31...	--	--	--	--	--	--	1	0	11	8	3
SEPT.											
05...	1.5	2.7	--	3.0	.980	.730	<1	10	20	15	5
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05-05	.00	3.4	.00	4.1	1.90	.970	<1	20	90	86	4

DATE	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT. 1980											
26...	23	12	--	<10	140	90	50	4.2	15	--	--
26...	40	18	--	<10	550	390	160	4.0	9.7	--	--
27...	--	--	--	--	--	--	--	--	--	104	5.9
27...	--	--	--	--	--	--	--	--	--	31	1.7
MAR. 1981											
26...	20	0	0	0	100	90	10	.1	12	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26-26	20	40	40	0	120	110	10	1.4	8.1	--	--
MAY											
19...	30	10	8	2	30	10	20	2.1	9.0	--	--
20-20	20	44	40	4	230	210	20	5.0	7.2	--	--
AUG.											
31...	10	26	24	2	30	20	10	--	--	--	--
SEPT.											
05...	<10	27	26	1	60	50	11	3.6	7.0	188	19
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05-05	37	200	200	4	270	240	28	8.4	11	815	--

DATE	TIME	HARD- NESS AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM- DIS- SOLVED (MG/L AS MG)	SODIUM- DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)
OCT. 1980											
26...	1129	280	100	70	26	94	2.6	8.8	.6	12	230
26...	1629	270	53	66	26	67	1.9	7.7	.3	12	210
AUG. 1981											
31...	1000	320	--	63	40	--	--	--	--	--	--

DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT. 1980											
26...	100	<1	1	0	<3	32	20	<10	0	610	<6.0
26...	90	<1	1	--	<3	32	26	<10	0	620	<6.0
AUG. 1981											
31...	100	--	1	0	0	--	30	--	0	--	--

TABLE 4.--Continued

10169500 BIG COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA													
DATE	TIME	END- ING TIME (2400 HOURS)	TUR- BID- ITY (FTU)	OXYGEN, DIS- SOLVED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C					
MAR. 1981													
26...	0730	--	--	--	13	24	.15	.06					
26-26	1200	1830	--	--	13	20	.22	.10					
MAY													
19...	2150	--	--	--	7.6	46	.04	.02					
20...	1645	--	--	8.8	--	--	--	--					
20-20	0830	2010	--	--	16	26	.19	.08					
AUG.													
31...	1000	--	--	--	--	--	--	--					
SEPT.													
05...	0700	--	--	--	11	19	.17	.08					
05-05	1300	1800	--	--	16	36	.12	.06					
AUG. 1982													
24...	1045	--	23	--	--	--	--	--					
DATE	TIME	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)					
MAR. 1981													
26...		10	0	620	600	.2	.2	.0					
26-26		10	0	1300	1300	.0	.0	.1					
MAY													
19...		10	0	610	580	.2	.2	.0					
20-20		20	0	4100	4100	.2	.2	.0					
AUG.													
31...		0	10	1200	1200	.0	.0	.0					
SEPT.													
05...		0	16	2800	--	.0	.0	.0					
05-05		19	1	16000	16000	.2	.2	.0					
DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC IN BOT- TOM MA- TERIAL (UG/G AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BERYL- LIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS B)	BORON, DIS- SOLVED (UG/L AS B)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)		
AUG. 1981													
31...	1000	9	1	8	8	100	0	<1	160	1	6		
AUG. 1982													
24...	1045	--	--	--	20	--	--	<1	--	1	3		
DATE	TIME	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL RECOV. (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)
AUG. 1981													
31...	1	23	50	50	20	.03	4	3	1	1	0	1	
AUG. 1982													
24...	--	35	230	--	--	.02	--	--	--	--	--	--	--
DATE	TIME	SEL- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	SILVER, FM BOT- TOM MA- TERIAL (UG/G AS AG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL (UG/KG)
AUG. 1981													
31...	0	0	0	--	75	.00	.00	1	.00	17	.00	.0	
AUG. 1982													
24...	<1	--	--	1	390	--	--	--	--	26	--	<.1	

TABLE 4.--Continued

10169500 BIG COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

	CHLOR- DANE, TOTAL	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG. 1981 31...	.00	27	.00	3.2	.00	2.0	.00	.0	.00	.9	.00	.0
AUG. 1982 24...	--	24	--	1.0	--	<.1	--	.5	--	1.0	--	<.1
	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	
AUG. 1981 31...	.00	.0	.00	.0	.00	.0	.0	.0	.00	.0	0	
AUG. 1982 24...	--	<.1	--	.1	--	<.1	<.1	13	--	<.1	--	
	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2, 4-DP TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4,5-T TOTAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
AUG. 1981 31...	.0	.06	.0	.00	.0	.00	.0	.00	.00	.02	.0	
AUG. 1982 24...	<10	--	320	--	<.1	--	<.1	--	<1.00	--	<.1	

TABLE 4.--Continued

10169999 MILL CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH

LOCATION.--Lat 40°41'20", long 111°46'55", in NW¼NW¼SE¼ sec. 36, T.1 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on right bank 1,000 ft (305 m) upstream from bridge at mouth of canyon, 0.7 mi (1.1 km) east of Wasatch Blvd., and 7 mi (11 km) southeast of Salt Lake City.

DRAINAGE AREA.--21.7 mi² (56.2 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to September 1968, October 1979 to September 1981. Prior to October 1979, published in "Hydrologic and Climatologic Data" reports for Salt Lake County, Utah as 101700 B, Mill Creek (channel only) near Salt Lake City, Utah. Records for October 1960 to September 1963, October 1968 to September 1979 in files of Salt Lake City Water Department.

GAGE.--Water-stage recorder and concrete flume. Altitude of gage is 5,050 ft (1,539 m) from topographic map.

REMARKS.--Records good. Diversion upstream from station for domestic water supply. Boundary springs are diverted into a pipeline 1,500 ft (457 m) upstream from station.

COOPERATION.--Gage-height record furnished by Salt Lake City Water Department.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 59 ft³/s (1.67 m³/s) June 5, 6, 1968; minimum, 1.5 ft³/s (0.042 m³/s) Dec. 10, 11, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37 ft³/s (1.05 m³/s) June 2, gage height, 1.72 ft (0.524 m); minimum, 1.5 ft³/s (0.042 m³/s) Dec. 10, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	8.0	7.3	6.9	6.2	6.6	6.4	11	26	12	8.7	7.5
2	8.2	8.0	7.2	6.9	4.1	6.5	6.6	12	26	12	8.5	7.4
3	8.3	7.8	7.2	6.9	3.4	6.6	7.0	15	29	11	8.5	7.4
4	8.3	7.8	7.0	7.1	2.6	6.5	6.8	13	25	11	8.3	7.3
5	8.9	7.8	7.6	6.9	2.6	6.5	6.6	13	23	11	8.2	8.8
6	8.6	7.8	7.5	6.8	3.9	6.4	6.6	13	22	11	8.1	9.4
7	8.6	7.7	7.5	6.7	4.4	6.4	6.9	12	22	11	8.4	8.9
8	8.4	7.2	4.6	6.8	4.8	6.4	6.6	12	21	11	8.0	8.4
9	8.7	7.2	2.8	6.5	7.2	6.4	6.8	12	20	11	8.0	8.0
10	8.5	7.2	1.7	6.8	4.9	6.0	7.7	11	19	11	8.4	8.0
11	8.0	7.2	1.6	6.7	4.4	5.9	8.9	12	18	10	8.8	8.0
12	8.0	7.9	2.2	6.6	7.1	5.9	8.5	11	18	10	8.3	8.0
13	8.6	7.7	2.9	6.8	6.9	5.9	8.4	11	18	9.9	8.4	7.6
14	8.5	7.5	4.4	6.2	6.9	5.9	8.7	11	18	10	8.2	7.2
15	9.5	5.4	8.3	6.4	6.9	5.9	9.8	13	17	9.8	8.0	7.3
16	9.2	4.6	8.5	5.0	6.7	6.1	9.7	13	16	9.7	7.8	7.2
17	9.0	3.7	8.0	6.9	6.8	6.3	9.9	12	15	9.6	7.8	7.2
18	9.0	3.5	7.8	6.9	6.6	6.2	10	12	15	9.5	7.7	7.2
19	9.0	5.8	7.5	6.7	6.7	6.1	10	12	14	9.4	7.6	7.3
20	8.8	8.0	7.5	6.6	7.0	6.1	9.7	14	14	9.2	7.9	7.2
21	8.5	7.7	7.5	6.6	6.2	6.0	9.6	15	14	9.0	7.9	7.2
22	8.3	7.5	7.5	6.6	6.6	6.4	9.4	15	14	9.2	7.7	7.2
23	8.3	7.5	7.4	6.6	6.7	6.2	9.3	16	13	9.6	7.6	7.2
24	8.3	7.5	7.2	6.6	6.6	6.4	9.3	16	13	9.6	7.7	7.2
25	8.3	6.6	7.2	6.2	6.6	6.3	9.7	17	12	9.6	7.5	7.5
26	8.3	7.2	7.2	6.3	7.1	6.6	10	19	12	9.5	7.2	7.7
27	8.3	7.1	7.1	6.6	6.8	6.7	11	20	12	9.6	7.3	7.3
28	8.0	7.3	6.9	6.2	6.6	6.4	10	22	12	9.2	7.3	7.0
29	8.0	7.2	6.9	6.6	---	6.4	10	22	12	9.0	7.4	7.0
30	8.0	7.2	6.9	6.2	---	7.1	11	23	12	8.9	7.3	7.0
31	8.0	---	6.9	5.6	---	6.6	---	25	---	9.0	7.3	---
TOTAL	263.0	210.6	197.8	203.2	163.3	195.7	260.9	455	522	311.3	245.8	227.6
MEAN	8.48	7.02	6.38	6.55	5.83	6.31	8.70	14.7	17.4	10.0	7.93	7.59
MAX	9.5	8.0	8.5	7.1	7.2	7.1	11	25	29	12	8.8	9.4
MIN	8.0	3.5	1.6	5.0	2.6	5.9	6.4	11	12	8.9	7.2	7.0
AC-FT	522	418	392	403	324	388	517	902	1040	617	488	451
CAL YR 1980	TOTAL	4451.8	MEAN	12.2	MAX	44	MIN	1.6	AC-FT	8830		
WTR YR 1981	TOTAL	3256.2	MEAN	8.92	MAX	29	MIN	1.6	AC-FT	6460		

TABLE 4.--Continued

10169999 MILL CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1979 to September 1981.

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	ALKA- LITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT. 1980										
26...	1030	--	8.3	600	--	3.5	4.5	--	--	--
MAR. 1981										
26...	0915	--	6.1	610	7.8	10.5	6.0	4	210	130
26-26	1300	1600	--	600	7.9	--	--	6	150	110
MAY										
10...	2345	--	14	520	7.9	8.5	8.5	6	170	110
10-11	2200	0700	--	500	8.1	--	--	33	160	90
19...	1757	--	14	510	8.4	19.0	12.0	11	180	95
20-20	0630	2130	--	465	--	--	--	6	180	88
SEPT.										
05...	1145	--	8.0	590	8.4	--	--	19	180	120
05-05	1300	2000	--	560	8.1	--	--	58	180	110
DATE	CHLO- RIDE- DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)
MAR. 1981										
26...	12	402	1	.14	.000	.120	.15	.76	.29	.47
26-26	16	349	2	.16	.000	.140	.18	.56	.20	.36
MAY										
10...	11	341	23	.27	.000	.130	.17	.69	.29	.40
10-11	9.0	313	84	.19	.010	.080	.10	1.40	.91	.49
19...	3.5	336	24	.04	.000	.060	.08	.55	.07	.48
20-20	4.3	323	23	.12	.000	.060	.08	.83	.30	.53
SEPT.										
05...	9.1	365	5	.02	.100	.020	.03	.25	.00	.66
05-05	9.2	371	140	.33	.020	<.070	.09	1.20	--	<.22
DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
MAR. 1981										
26...	.35	.61	.030	.030	<1	20	4	0	6	10
26-26	.22	.52	.030	.020	<1	30	4	2	2	10
MAY										
10...	.27	.67	.140	.060	<1	10	4	0	4	<10
10-11	.41	.69	.250	.060	<1	10	5	3	2	<10
19...	.42	.52	.060	.030	<1	10	5	5	0	<10
20-20	.47	.65	.110	.030	<1	10	4	4	0	<10
SEPT.										
05...	.64	.78	.050	.030	<1	0	4	0	6	<10
05-05	--	--	.240	.030	<1	10	13	9	4	<10
DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
MAR. 1981										
26...	3	2	1	30	20	6	.3	3.3	--	--
26-26	14	13	1	100	90	6	.4	6.3	--	--
MAY										
10...	6	2	4	20	--	<3	--	2.7	40	1.5
10-11	16	3	13	30	20	6	--	5.3	140	--
19...	3	0	6	30	20	6	.7	4.6	--	--
20-20	6	4	2	10	7	3	.8	8.6	--	--
SEPT.										
05...	9	5	4	30	20	12	.5	1.5	31	.67
05-05	16	6	10	50	40	8	4.9	2.8	188	--

TABLE 4.--Continued

10169999 MILL CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	TUR- BID- ITY (FTU)	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C
MAR. 1981							
26...	0915	--	--	--	3.0	--	--
26-26	1300	1600	--	--	--	--	--
MAY							
10...	2345	--	9.0	--	--	--	--
10-11	2200	0700	--	--	--	--	--
19...	1757	--	--	2.2	3.6	.19	.08
20-20	0630	2130	--	--	--	--	--
SEPT.							
05...	1145	--	--	--	--	--	--
05-05	1300	2000	--	2.6	6.8	.10	.04
DATE	CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
MAR. 1981							
26...	20	0	40	30	.0	.0	.0
26-26	30	0	70	60	.1	.1	.0
MAY							
10...	10	0	490	--	.1	.1	.0
10-11	10	0	1400	--	.1	.1	.0
19...	10	0	210	--	.1	.1	.0
20-20	10	0	370	--	.1	.1	.0
SEPT.							
05...	0	0	440	--	.0	.0	.0
05-05	6	4	2100	--	.0	.0	.0

TABLE 4.--Continued

10170250 MILL CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH

LOCATION.--Lat 40°42'31", long 111°54'59", in SE¼NW¼NE¼ sec. 26, T.2 S., R.1 W., Salt Lake County, Hydrologic Unit 16020204, on left bank 80 ft (25 m) upstream from bridge on 900 West of South Salt Lake City.

DRAINAGE AREA.--32 mi² (83 km²) approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1980 to September 1981.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 4,229.34 ft (1,289.103 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Diversions upstream for water supply and irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 125 ft³/s (3.54 m³/s) May 16, 1981, gage height, 2.01 ft (0.613 m); minimum, 10 ft³/s (0.28 m³/s) Dec. 10, 11, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 125 ft³/s (3.54 m³/s) May 16, gage height, 2.01 ft (0.613 m); minimum, 10 ft³/s (0.28 m³/s) Dec. 10, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	17	17	17	19	18	18	14	52	26	16	25
2	18	16	17	17	16	17	21	14	54	32	17	25
3	16	17	17	17	15	23	22	44	60	29	14	23
4	15	16	16	18	14	18	18	24	44	23	14	25
5	14	16	24	18	14	17	18	21	42	20	16	39
6	13	17	17	17	15	17	18	26	39	20	18	33
7	14	16	17	17	16	17	20	26	39	20	18	28
8	15	16	15	17	16	17	20	42	36	23	18	34
9	16	16	12	17	19	17	18	31	32	25	16	35
10	14	17	10	18	18	17	18	31	32	27	15	35
11	13	17	10	17	14	17	23	40	30	22	17	33
12	17	34	11	17	19	17	19	32	27	20	19	30
13	17	17	11	17	19	17	19	28	31	17	19	28
14	21	16	12	17	19	17	19	23	43	18	19	28
15	32	14	17	17	18	17	20	55	36	17	17	28
16	26	13	18	16	18	21	19	60	30	16	18	27
17	16	12	17	17	19	20	19	37	27	17	18	25
18	16	11	17	17	18	18	19	38	27	17	18	24
19	15	13	17	17	18	17	20	37	26	15	20	16
20	15	16	17	17	19	21	18	43	25	17	20	18
21	15	17	18	17	18	17	19	56	26	17	21	23
22	15	17	17	17	18	17	18	45	25	17	20	25
23	14	17	16	17	19	17	18	45	24	16	20	25
24	14	24	16	18	18	17	18	47	23	18	21	26
25	15	17	17	17	18	17	17	47	23	16	20	27
26	18	17	17	17	28	27	16	51	24	19	24	20
27	16	16	17	18	25	31	19	55	22	18	23	17
28	16	17	17	18	18	20	18	51	24	18	25	23
29	16	17	17	18	---	18	17	51	23	19	23	24
30	16	18	17	21	---	30	14	52	23	18	23	22
31	16	---	17	18	---	18	---	53	---	15	25	---
TOTAL	515	504	495	538	505	589	560	1219	969	612	592	791
MEAN	16.6	16.8	16.0	17.4	18.0	19.0	18.7	39.3	32.3	19.7	19.1	26.4
MAX	32	34	24	21	28	31	23	60	60	32	25	39
MIN	13	11	10	16	14	17	14	14	22	15	14	16
AC-FT	1020	1000	982	1070	1000	1170	1110	2420	1920	1210	1170	1570
WTR YR 1981	TOTAL	7889	MEAN	21.6	MAX	60	MIN	10	AC-FT	15650		

TABLE 4.--Continued

10170250 MILL CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1979 to August 1982.

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)
OCT. 1980											
26...	1030	--	15	600	8.5	--	--	3	--	--	--
26...	1355	--	19	1000	7.8	--	--	15	--	<1	--
26...	1530	--	23	--	--	--	--	--	--	--	--
27...	1525	--	16	--	--	--	--	--	--	--	--
MAR. 1981											
26...	0640	--	18	44	7.7	--	10.0	26	500	230	3400
26...	1115	--	17	--	--	--	--	--	460	440	20
26...	1700	--	57	--	--	--	--	--	7000	250	350
26-26	1430	1700	--	620	7.5	--	--	31	--	--	--
MAY											
10-11	2300	0700	--	560	6.9	--	--	44	--	--	--
11...	0002	--	35	--	--	--	12.5	--	K8000	K130	470
11...	0330	--	67	--	--	8.5	12.0	--	--	3100	19900
11...	1315	--	32	630	7.8	--	12.5	16	--	--	--
20...	0845	--	39	650	7.7	11.0	12.0	13	3400	--	2300
20...	1600	--	56	--	--	--	--	--	--	360	--
20...	1720	--	53	--	--	17.5	12.5	--	K1600	3000	3800
20-20	0850	1920	--	580	7.7	--	--	29	--	--	--
SEPT.											
05...	0735	--	34	1280	7.7	19.0	18.0	130	--	--	--
05...	1125	--	31	--	--	--	18.0	--	--	--	--
05...	1420	--	51	--	--	--	--	--	>8000	2200	>10000
05...	1530	--	73	--	--	--	18.0	--	--	--	--
05...	1630	--	92	--	--	--	--	--	>8000	K200	>10000
05-05	1300	1800	--	1000	7.7	--	--	110	--	--	--
AUG. 1982											
24...	1030	--	24	--	--	--	--	--	--	--	--
DATE	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN. AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN. AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN. AM- MONIA + ORGANIC TOTAL (MG/L AS N)
OCT. 1980											
26...	180	120	9.1	367	361	6	.07	.000	.070	.09	.95
26...	--	150	53	550	527	5	2.40	.030	.110	.14	1.60
26...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
MAR. 1981											
26...	230	210	51	606	--	10	2.30	.010	.070	.09	.60
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26-26	150	120	79	404	--	203	3.00	.030	.270	.35	.85
MAY											
10-11	130	91	29	327	--	75	1.20	.010	.140	.18	1.00
11...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
11...	170	100	30	372	--	40	1.40	.010	.090	.12	3.70
20...	180	120	34	438	--	21	1.30	.000	.090	.12	.98
20...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	160	100	29	385	--	54	1.10	.010	.040	.05	1.20
SEPT.											
05...	200	230	170	831	--	27	1.40	.040	.170	.22	2.70
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05-05	170	200	140	622	--	328	.96	.040	<.070	.09	3.40

K Results based on colony count outside acceptable range (non-ideal colony count).

TABLE 4.--Continued

10170250 MILL CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)
OCT. 1980											
26...	.52	.43	.36	.50	.070	.050	<1	3	4	--	<10
26...	.30	1.3	1.2	3.7	.180	.090	1	7	14	0	15
26...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
MAR. 1981											
26...	.00	.62	.55	2.9	.030	.010	<1	10	4	2	2
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26-26	.00	.87	.60	3.9	.190	.050	<1	30	18	14	4
MAY											
10-11	.08	.92	.78	2.1	.210	.050	<1	10	14	11	3
11...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
11...	3.0	.68	.59	2.1	.110	.040	<1	10	8	6	2
20...	.38	.60	.51	1.9	.070	.020	<1	10	8	6	2
20...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	.55	.65	.61	1.8	.160	.050	<1	10	12	10	2
SEPT.											
05...	.80	1.9	1.7	3.3	.410	.030	<1	10	30	21	9
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05-05	2.5	.87	--	1.9	.600	.030	<1	20	60	56	4

DATE	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT. 1980											
26...	27	3	--	<10	20	--	<3	.2	4.3	--	--
26...	13	9	--	<10	40	0	43	.6	7.5	--	--
26...	--	--	--	--	--	--	--	--	--	46	2.9
27...	--	--	--	--	--	--	--	--	--	52	2.2
MAR. 1981											
26...	<10	2	0	8	130	120	8	.3	7.4	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26-26	10	50	47	3	700	680	20	1.6	6.4	--	--
MAY											
10-11	20	45	29	16	60	20	40	2.2	12	118	--
11...	--	--	--	--	--	--	--	--	--	91	8.6
11...	--	--	--	--	--	--	--	--	--	--	--
11...	20	18	3	15	30	10	20	--	5.6	97	8.4
20...	20	9	5	4	20	10	10	.5	7.8	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	106	15
20-20	10	26	20	6	50	20	30	.8	12	--	--
SEPT.											
05...	19	53	49	4	100	70	28	3.7	10	292	27
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05-05	27	150	140	6	190	170	24	7.9	11	551	--

DATE	TIME	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)
OCT. 1980											
26...	1030	310	130	81	25	7.6	.2	1.0	.1	8.5	10
26...	1355	370	150	95	31	38	.9	3.6	.4	12	180

TABLE 4.--Continued

10170250 MILL CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

Cadmium												
	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	SUS- PENDE RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER- TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	
OCT. 1980												
26...	70	<1	0	--	<3	8	<1	<10	0	540	<6.0	
26...	60	<1	0	0	<3	31	12	<10	0	940	<6.0	
DATE	TIME	END- ING TIME (2400 HOURS)	TUR- BID- ITY (FTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C			
MAR. 1981												
26...	0640	--	--	--	--	--	1.8	3.8	.12			
26-26	1430	1700	--	--	--	--	3.8	8.0	.13			
MAY												
10-11	2300	0700	30	--	--	--	7.6	13	.17			
11...	1315	--	--	--	--	--	1.6	3.4	.12			
20...	0845	--	--	--	--	--	2.2	4.0	.16			
20-20	0850	1920	--	--	--	--	3.6	6.0	.19			
SEPT.												
05...	0735	--	--	--	--	--	7.2	23	.08			
05...	1125	--	--	7.3	90	--	--	--	--			
05...	1530	--	--	6.9	85	--	--	--	--			
05-05	1300	1800	--	--	--	--	10	30	.08			
DATE	TIME	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)			
MAR. 1981												
26...		.06	10	0	290	--	.1	.1	.0			
26-26		.06	30	0	1800	1800	.1	.1	.0			
MAY												
10-11		.08	10	0	1600	1600	.1	.1	.0			
11...		.06	10	0	1200	1200	.0	.0	.0			
20...		.06	10	0	550	530	.2	.2	.0			
20-20		.08	10	0	1200	1200	.1	.1	.0			
SEPT.												
05...		.04	7	3	3300	3300	.0	.0	.0			
05...		--	--	--	--	--	--	--	--			
05...		--	--	--	--	--	--	--	--			
05-05		.04	19	1	7800	7800	.1	.1	.0			
DATE	TIME	ARSENIC TOTAL FM BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL FM BOT- TOM MA- TERIAL (UG/G AS AG)	SILVER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS AG)		
AUG. 1982												
24...	1030	14	<1	3	10	59	220	.09	<1	1		
DATE	TIME	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	PCB, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)
AUG. 1982												
24...	210	50	<1	93	35	14	<1	.5	<1	<1	<1	
DATE	TIME	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	
AUG. 1982												
24...		<1	<1	1.1	<1	<10	<1	<1	<1	<1.00	<1	

TABLE 4.--Continued

10170350 DECKER LAKE OUTLET AT JORDAN RIVER, AT 1500 WEST AND 2800 SOUTH, AT WEST VALLEY CITY, UTAH
 LOCATION.--Lat 40°42'44", long 111°55'40", in SW1/4SW1/4SE1/4 sec. 22, T.1 S., R.1 W., Salt Lake County,
 Hydrologic Unit 16020204, 1,000 ft (305 m) south of Crystal Avenue, 1,500 ft (457 m) east of
 Redwood Road, 2,700 ft (823 m) upstream from Jordan River, and 3,200 ft (975 m) downstream
 from Decker Lake in West Valley City.

PERIOD OF RECORD.--March to September 1981.

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
MAR. 1981											
26...	0615	--	--	2380	8.5	--	7.0	25	--	--	--
26...	1200	--	--	--	--	--	--	--	K300	<1	K200
MAY											
10-11	2345	0500	--	1640	8.3	--	--	36	--	--	--
11...	0150	--	--	--	--	--	--	--	--	--	--
11...	0350	--	--	--	--	12.0	14.0	--	--	600	290
11...	1205	--	--	--	--	--	--	--	--	K111	K1200
20...	0910	--	--	2080	8.1	12.0	13.0	23	3000	K810	900
20...	1745	--	--	--	--	--	14.0	--	4300	450	740
20-20	1545	1900	--	1790	8.2	--	--	28	--	--	--
SEPT.											
05...	0600	--	34	1890	8.2	18.0	15.0	70	--	--	--
05-05	1400	2000	--	1580	8.2	--	--	140	--	--	--
DATE	ALKA- LITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
MAR. 1981											
26...	250	530	490	1810	31	.92	.020	.070	.09	1.00	.00
26...	--	--	--	--	--	--	--	--	--	--	--
MAY											
10-11	220	280	250	1030	152	.66	.020	.160	.21	2.00	.70
11...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
20...	270	430	330	1740	123	1.20	.030	.190	.24	1.30	.30
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	250	340	290	1210	74	.76	.030	.130	.17	1.20	.10
SEPT.											
05...	220	370	300	1240	7	.12	.270	1.40	1.8	2.20	1.0
05-05	180	290	250	1030	76	.54	.050	.170	.22	2.80	1.7
DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
MAR. 1981											
26...	1.0	.93	1.9	.060	.020	0	10	6	4	2	40
26...	--	--	--	--	--	--	--	--	--	--	--
MAY											
10-11	1.3	1.1	2.0	.220	.060	<1	10	10	8	2	<10
11...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
20...	1.0	.81	2.2	.180	.050	0	10	10	8	2	10
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	1.1	.97	1.9	.180	.040	<1	10	11	9	2	<10
SEPT.											
05...	1.2	.00	1.6	.260	.080	<1	10	11	1	10	13
05-05	1.1	.93	1.7	.390	.060	<1	0	21	9	12	11

K Results based on colony count outside acceptable range (non-ideal colony count).

TABLE 4.--Continued

10170350 DECKER LAKE OUTLET AT JORDAN RIVER, AT 1500 WEST AND 2800 SOUTH, AT WEST VALLEY CITY, UTAH

WATER-QUALITY DATA

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE D RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE D RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE D TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE D (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE D (T/DAY)
MAR. 1981										
26...	3	0	6	150	140	10	.4	6.4	--	--
26...	--	--	--	--	--	--	--	--	--	--
MAY										
10-11	19	4	15	40	20	20	2.0	12	270	--
11...	--	--	--	--	--	--	--	--	410	--
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
20...	14	14	0	30	10	20	1.0	6.9	--	--
20...	--	--	--	--	--	--	--	--	--	--
20-20	15	9	6	20	10	10	1.3	7.3	--	--
SEPT.										
05...	25	25	0	60	20	44	3.6	7.2	325	30
05-05	35	17	18	100	90	10	2.2	10	264	--

DATE	TIME	END- ING TIME (2400 HOURS)	TUR- BID- ITY (FTU)	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C
MAR. 1981							
26...	0615	--	--	2.4	5.8	.11	.04
MAY							
10-11	2345	0500	77	4.0	7.2	.16	.06
20...	0910	--	50	2.0	3.6	.16	.06
20-20	1545	1900	56	--	--	--	--
SEPT.							
05...	0600	--	--	3.6	29	.02	.02
05-05	1400	2000	--	16	63	.06	.02

DATE	CHRO- MIUM, SUS- PENDE D RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE D RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE D RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
MAR. 1981							
26...	10	0	480	440	.2	.2	.0
MAY							
10-11	10	0	2400	--	.1	.1	.0
20...	10	0	1600	1600	.3	.3	.0
20-20	10	0	1500	--	.2	.2	.0
SEPT.							
05...	5	5	3000	3000	.0	.0	.0
05-05	0	5	2800	2800	.0	.0	.0

TABLE 4.--Continued

10170500 SURPLUS CANAL AT SALT LAKE CITY, UTAH

LOCATION.--Lat 40°43'37", long 111°55'33", in SE¼SW¼SW¼ sec. 14, T.1 S., R.1 W., Salt Lake County, Hydrologic Unit 16020204, near right bank on upstream side of diversion dam at head of canal, and 250 ft (76 m) downstream from highway bridge over Jordan River on 2100 South Street.

PERIOD OF RECORD.--December 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,223.93 ft (1,287.454) National Geodetic Vertical Datum of 1929. Prior to Oct. 22, 1952, at site 350 ft (107 m) downstream, and Oct. 22, 1942 to Sept. 30, 1966, at site 400 ft (122 m) downstream at different datum.

REMARKS.--Records good. Flow regulated by diversion structure at station. Canal was built to bypass floodwater of Jordan River around Salt Lake City residential and industrial area.

AVERAGE DISCHARGE.--38 years, 245 ft³/s (6.94 m³/s), 177,500 acre-ft/yr (219 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,050 ft³/s (58.1 m³/s) Sept. 18, 1978; maximum gage height, 8.84 ft (2.694 m) May 7, 1952 (site and datum then in use); no flow Jan. 21 to Feb. 28, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,640 ft³/s (46.4 m³/s) June 3, gage height, 3.54 ft (1.079 m); minimum daily, 156 ft³/s (4.42 m³/s) Sept. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	201	456	479	527	582	575	614	238	763	209	179	189
2	182	469	518	525	587	578	604	297	666	268	178	196
3	185	461	551	522	582	629	574	744	1130	299	162	207
4	180	446	559	538	546	630	574	511	817	268	159	219
5	185	441	569	537	546	632	589	342	663	228	182	348
6	193	446	504	533	547	622	589	330	701	232	170	442
7	197	433	486	550	547	613	545	317	768	186	176	413
8	215	421	478	550	561	623	564	411	793	186	177	388
9	201	422	465	549	570	626	594	363	766	202	179	375
10	193	408	510	540	505	628	559	342	704	235	182	327
11	190	412	520	538	525	624	574	438	593	211	216	289
12	194	607	517	538	560	635	584	346	608	201	233	257
13	256	514	515	525	565	640	564	359	688	204	226	245
14	260	443	516	537	563	639	569	346	670	195	217	238
15	293	445	522	534	546	637	569	599	499	194	217	213
16	502	435	533	537	557	677	559	839	365	199	204	198
17	449	446	537	537	568	670	554	531	306	250	201	196
18	410	447	528	538	561	609	516	455	291	244	203	190
19	413	334	520	539	572	564	550	390	258	224	198	179
20	420	177	519	546	542	594	530	455	288	202	217	175
21	432	158	522	545	528	594	521	610	323	174	230	169
22	432	168	530	546	562	584	479	570	317	162	228	156
23	400	416	524	547	591	569	424	509	270	171	261	157
24	403	515	530	546	607	545	420	486	254	175	264	157
25	408	440	523	542	645	550	447	476	229	200	240	178
26	425	479	528	555	687	594	460	605	248	192	245	199
27	389	478	536	567	673	629	465	643	249	220	187	185
28	385	481	532	574	576	629	407	626	245	201	171	161
29	425	491	532	579	---	574	313	603	232	196	194	160
30	441	513	532	614	---	670	242	602	221	178	197	163
31	435	---	533	601	---	634	---	735	---	172	198	---
TOTAL	9894	12802	16168	16956	16001	19017	15553	15118	14925	6478	6291	6969
MEAN	319	427	522	547	571	613	518	488	498	209	203	232
MAX	502	607	569	614	687	677	614	839	1130	299	264	442
MIN	180	158	465	522	505	545	242	238	221	162	159	156
AC-FT	19620	25390	32070	33630	31740	37720	30850	29990	29600	12850	12480	13820
CAL YR 1980	TOTAL	158415	MEAN 433	MAX 1140	MIN 110	AC-FT 314200						
WTR YR 1981	TOTAL	156172	MEAN 428	MAX 1130	MIN 156	AC-FT 309800						

TABLE 4.--Continued

10170900 TWENTY-FIRST SOUTH CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY, UTAH

LOCATION.--Lat 40°43'38", long 111°55'30", in SE¼SW¼SW¼ sec. 14, T.1 S., R.1 W., Salt Lake County, Hydrologic Unit 16020204, on right bank at Jordan River, 250 ft (75 m) downstream from Surplus Canal diversion and 400 ft (122 m) north of 2100 South Street in Salt Lake City.

DRAINAGE AREA.--1.9 mi² (4.9 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1980 to September 1981.

GAGE.--Velocity modified flow meter. Datum of gage is 4,227.43 ft (1,288.521 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for periods of no record, which are poor.

EXTREMES FOR CURRENT PERIOD.--April to September 1980: Maximum discharge, 28 ft³/s (0.79 m³/s) July 1; minimum, 2.3 ft³/s (0.065 m³/s) July 1, 1980.

Water year 1981: Maximum discharge, 41 ft³/s (1.16 m³/s) May 16; minimum daily, 3.1 ft³/s (0.088 m³/s) Sept. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	6.9	6.9	9.5	5.6	4.5
2							---	6.8	7.2	6.7	5.2	5.1
3							---	6.9	6.2	7.0	5.0	5.5
4							---	7.3	5.6	6.6	5.3	6.0
5							---	7.3	5.0	5.8	5.4	5.5
6							---	7.6	5.2	5.7	5.7	5.1
7							---	7.1	4.6	6.1	5.7	6.2
8							---	7.2	4.6	6.0	5.5	6.2
9							---	11	5.3	6.0	5.2	5.6
10							---	11	5.4	5.7	5.0	6.5
11							---	7.5	5.9	5.9	5.3	5.9
12							---	10	6.0	5.5	5.5	5.5
13							---	7.8	6.4	5.5	6.0	5.2
14							---	7.1	5.7	5.6	5.7	5.6
15							---	6.8	5.8	6.1	5.7	5.2
16							---	8.9	5.9	6.1	5.2	6.0
17							---	9.3	6.0	6.0	4.9	5.8
18							---	6.8	6.2	5.9	5.2	5.6
19							---	7.8	6.6	5.8	5.6	5.4
20							---	7.5	6.2	5.6	5.4	4.4
21							---	6.3	5.7	6.3	5.3	4.3
22							---	5.9	6.2	6.0	5.2	4.9
23							---	5.6	6.2	6.0	4.9	4.6
24							---	5.6	5.8	5.7	4.6	4.7
25							---	7.6	6.1	5.9	6.0	4.7
26							6.5	7.1	6.0	5.4	5.2	4.8
27							6.6	7.9	6.0	5.5	5.1	4.5
28							6.5	7.5	5.6	5.9	4.9	4.3
29							6.5	8.6	5.7	6.0	4.9	4.4
30							6.8	7.6	5.5	7.1	4.5	4.7
31							---	8.8	---	5.7	4.6	---
TOTAL							---	237.1	175.5	188.6	163.3	156.7
MEAN							---	7.65	5.85	6.08	5.27	5.22
MAX							---	11	7.2	9.5	6.0	6.5
MIN							---	5.6	4.6	5.4	4.5	4.3
AC-FT							---	470	348	374	324	311

TABLE 4.--Continued

10170900 TWENTY-FIRST SOUTH CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981 MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	4.6	5.9	4.0	4.6	4.9	6.6	6.5	5.8	6.7	4.4	4.5
2	5.4	4.6	5.6	4.4	5.5	5.4	7.3	6.0	8.0	7.3	4.3	4.4
3	4.5	4.8	5.6	4.7	5.4	7.0	7.7	20	9.4	4.8	4.8	4.4
4	4.2	4.9	5.0	4.7	5.2	6.2	6.3	6.4	6.3	6.3	4.8	4.3
5	4.2	5.7	8.3	5.0	5.2	5.9	6.0	6.5	6.2	6.5	4.8	7.0
6	5.1	5.0	5.0	5.3	5.4	5.7	6.1	6.6	5.8	7.1	4.8	5.1
7	4.6	4.9	4.6	5.2	5.0	5.3	6.1	6.3	5.5	6.9	4.8	3.7
8	4.6	4.8	5.0	5.4	4.8	5.1	6.1	12	5.4	6.8	4.6	4.0
9	4.6	4.4	5.1	5.0	4.2	5.5	6.1	6.0	5.3	6.9	4.3	4.1
10	4.6	4.8	5.2	4.6	4.2	5.4	5.7	5.7	5.6	7.2	4.6	4.2
11	4.3	4.7	5.3	4.8	5.0	5.5	5.8	9.7	5.3	6.0	4.7	4.0
12	4.1	15	5.1	4.7	5.0	5.7	5.4	6.7	5.3	5.5	4.8	3.7
13	4.8	7.8	4.7	5.0	5.0	5.6	5.8	6.8	4.8	5.9	4.8	3.6
14	5.4	5.8	4.8	4.9	4.6	5.4	5.6	6.5	8.3	5.4	4.7	4.0
15	9.2	4.7	5.1	4.9	4.6	5.3	5.6	18	6.4	5.1	4.4	4.0
16	10	4.9	5.2	4.9	4.9	7.3	5.5	29	6.6	4.9	4.3	4.1
17	5.6	5.1	5.3	4.7	5.0	7.1	5.4	12	7.2	5.4	4.7	4.0
18	5.0	5.2	5.2	4.4	5.0	5.9	5.2	7.0	6.8	5.4	4.7	3.8
19	4.7	5.2	4.9	4.6	4.9	6.2	5.0	7.0	6.9	5.7	4.9	3.3
20	5.3	5.8	4.4	4.7	4.9	6.9	5.5	8.7	6.5	5.1	5.3	3.1
21	5.2	5.6	4.5	4.7	4.8	5.7	5.7	16	6.1	5.1	4.8	3.7
22	5.3	5.8	5.2	4.7	4.6	5.1	5.6	8.9	6.1	5.4	4.3	3.8
23	5.0	5.2	5.2	4.3	5.0	5.2	5.7	7.2	6.2	5.4	4.3	4.2
24	5.4	12	4.9	4.3	4.9	5.0	5.9	6.7	6.6	5.1	5.2	4.0
25	5.3	7.3	4.8	4.4	4.9	5.5	5.5	6.5	6.3	4.9	5.0	3.8
26	5.7	5.9	4.6	4.7	8.0	11	5.2	6.9	6.0	4.9	4.9	3.4
27	5.0	5.3	4.4	4.9	5.4	16	5.9	12	5.8	5.4	4.9	3.2
28	4.9	4.8	4.3	5.1	5.2	8.7	5.9	7.4	5.8	5.1	4.9	3.7
29	5.1	5.0	4.5	5.2	---	5.4	6.2	6.9	6.4	5.1	4.2	3.8
30	5.1	5.8	4.6	6.3	---	13	6.3	6.2	6.4	4.9	4.1	3.9
31	4.8	---	4.5	4.0	---	7.6	---	5.9	---	4.9	4.4	---
TOTAL	161.8	175.4	156.8	148.5	141.2	205.5	176.7	284.0	189.1	177.1	144.5	120.8
MEAN	5.22	5.85	5.06	4.79	5.04	6.63	5.89	9.16	6.30	5.71	4.66	4.03
MAX	10	15	8.3	6.3	8.0	16	7.7	29	9.4	7.3	5.3	7.0
MIN	4.1	4.4	4.3	4.0	4.2	4.9	5.0	5.7	4.8	4.8	4.1	3.1
AC-FT	321	348	311	295	280	408	350	563	375	351	287	240

WTR YR 1981 TOTAL 2081.4 MEAN 5.70 MAX 29 MIN 3.1 AC-FT 4130

NOTE.--No percent-flow record Nov. 7-11, Jan. 8-9, Feb. 2 to Mar. 3, June 27 to Sept. 17.

TABLE 4.--Continued

10170900 TWENTY-FIRST SOUTH CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1980 to September 1981.

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT. 1980											
26...	1055	--	5.7	1530	7.9	--	--	39	--	--	--
26...	1200	--	7.6	--	--	--	--	--	--	--	--
26...	1355	--	15	810	7.8	--	--	42	--	K4000	--
26...	1655	--	4.6	1340	7.7	--	--	43	--	--	--
MAR. 1981											
26...	0830	--	6.2	1380	7.5	9.0	13.0	31	--	--	--
26...	1245	--	8.2	--	--	--	--	--	K60	K20	K20
26...	1600	--	20	--	--	--	--	--	3100	400	880
26-26	1200	1650	--	820	7.0	--	--	70	--	--	--
MAY											
10-11	2300	0300	--	640	7.4	--	--	130	--	--	--
19...	1800	--	6.8	1530	7.6	20.0	16.0	50	--	--	--
20...	1000	--	11	--	--	11.0	14.0	--	2000	K30	1800
20...	1530	--	14	--	--	--	14.0	--	K600	K30	320
20...	1640	--	11	--	--	--	15.0	--	K400	<1	K8400
20-20	0800	2100	--	1330	7.5	--	--	65	--	--	--
SEPT.											
05...	1220	--	3.5	990	7.8	16.0	20.0	110	--	--	--
05-05	1300	1900	--	780	7.6	--	--	110	--	--	--
DATE	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)
OCT. 1980											
26...	250	240	140	859	835	7	4.10	.021	.060	.08	2.10
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	120	67	--	416	77	--	--	.040	.05	2.00
26...	--	220	120	746	726	14	3.10	.060	.130	.17	1.60
MAR. 1981											
26...	220	300	150	941	--	11	4.80	.010	.110	.14	2.00
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26-26	140	160	79	526	--	24	3.30	.040	.300	.39	1.60
MAY											
10-11	110	130	58	413	--	216	2.20	.110	.150	.19	2.50
19...	300	360	170	1090	--	17	3.30	.040	.400	.52	2.30
20...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	230	300	150	908	--	41	2.30	.050	.420	.54	2.30
SEPT.											
05...	210	260	130	813	--	63	3.30	.050	.310	.40	2.70
05-05	130	140	76	498	--	210	1.80	.070	<.070	.09	2.60

K Results based on colony count outside acceptable range (non-ideal colony count).

TABLE 4.--Continued

10170900 TWENTY-FIRST SOUTH CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)
OCT. 1980											
26...	.70	1.4	1.3	5.5	2.30	1.80	<1	--	--	--	26
26...	--	--	--	--	--	--	--	--	--	--	--
26...	.90	2.1	1.1	3.1	.930	.720	<1	--	--	--	24
26...	.00	1.8	1.7	5.0	4.30	1.50	<1	--	--	--	22
MAR. 1981											
26...	.60	1.4	1.3	6.2	22.0	1.70	1	20	94	58	36
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26-26	.50	1.1	.80	4.4	1.40	.830	<1	20	100	82	18
MAY											
10-11	1.50	1.0	.85	3.3	.930	.410	0	20	80	72	8
19...	.40	1.9	1.5	5.2	1.80	1.50	<1	20	38	14	24
20...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	.40	1.9	1.5	4.2	.980	.740	<1	20	43	23	20
SEPT.											
05...	.80	1.9	1.6	5.2	2.10	1.70	<1	20	50	27	23
05-05	--	<.22	--	--	1.00	.660	<1	20	60	51	9
	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT. 1980											
26...	28	--	--	<10	--	--	29	.7	28	--	--
26...	--	--	--	--	--	--	--	--	--	38	.78
26...	49	--	--	<10	--	--	48	1.6	14	--	--
26...	38	--	--	<10	--	--	85	1.1	12	--	--
MAR. 1981											
26...	20	24	20	4	60	40	20	1.2	9.1	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26-26	20	230	230	4	300	250	50	3.3	9.6	--	--
MAY											
10-11	--	380	360	24	280	--	--	4.3	20	--	--
19...	30	14	6	8	70	20	50	2.0	14	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	20	70	70	0	120	40	80	1.8	18	106	--
SEPT.											
05...	49	22	17	5	110	70	42	1.6	16	16	.15
05-05	55	330	320	11	280	220	57	5.6	14	284	--
	DATE	TIME	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	
OCT. 1980											
26...		1055	470	220	110	46	99	2.2	8.9	.5	
26...		1355	240	120	57	23	50	1.5	5.3	.3	
26...		1655	400	200	92	42	92	2.2	7.0	.5	
	DATE	SILICA, DIS- SOLVED (MG/L AS SIO2)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	
OCT. 1980											
26...		20	60	<1	<3	59	8	<10	1600	<6.0	
26...		11	60	<1	<3	33	5	<10	800	<6.0	
26...		16	70	<1	<3	51	38	<10	1400	<6.0	

TABLE 4.--Continued

10170900 TWENTY-FIRST SOUTH CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY. UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	TUR- BID- ITY (FTU)	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C
MAR. 1981							
26...	0830	--	--	8.0	20	.10	.04
26-26	1200	1650	--	6.8	13	.15	.06
MAY							
10-11	2300	0300	30	18	36	.14	.06
19...	1800	--	16	8.8	20	.12	.06
20-20	0800	2100	29	14	31	.12	.06
SEPT.							
05...	1220	--	--	11	30	.10	.04
05-05	1300	1900	--	12	31	.10	.04

DATE	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
MAR. 1981							
26...	15	5	290	270	.1	.0	.1
26-26	20	0	2600	2600	.1	.0	.1
MAY							
10-11	20	0	3400	--	.3	.3	.0
19...	20	0	220	190	.5	.5	.0
20-20	8	12	950	930	.2	.2	.0
SEPT.							
05...	5	15	730	680	.1	.1	.0
05-05	17	3	4500	4400	.1	.1	.0

DATE	TIME	END- ING TIME (2400 HOURS)	ARSENIC TOTAL (UG/L AS AS)	CYANIDE TOTAL (MG/L AS CN)
MAY 1981				
20-20	0800	2100	5	.01

TABLE 4.--Continued

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH

LOCATION.--Lat 40°44'01", long 111°55'21", in SW¼SE¼NW¼ sec. 14, T.1 S., R.1 W., Salt Lake County, Hydrologic Unit 16020204, on right bank at 1700 South Street and about 1000 West, Salt Lake City, 4,000 ft (1,220 m) downstream from diversion structure at head of Surplus Canal, and 1.7 mi (2.7 km) downstream from Mill Creek.

DRAINAGE AREA.--3,438 mi² (8,904 km²), includes 255 mi² (660 km²) closed basin in Cedar Valley.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,220.08 ft (1,286.280 m) National Geodetic Vertical Datum of 1929. Prior to July 1, 1976 at site 3,200 ft (975 m) upstream at same datum.

REMARKS.--Records good. Flow completely regulated since reconstruction in May 1952 of Surplus Canal diversion dam 4,000 ft (1,220 m) upstream. For records of Surplus Canal see station 10170500.

AVERAGE DISCHARGE.--39 years, (1943-82), 142 ft³/s (4.02 m³/s), 102,900 acre-ft/yr (127 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 384 ft³/s (10.9 m³/s) June 3, 1944, gage height, 5.55 ft (1.692 m); maximum gage height, 5.75 ft (1.753 m) June 26, 1952; no flow May 10, 24, 1952. May 21, 22, 1962, Sept. 21, 1963, May 14 to June 1, 1964, and Sept. 6, 7, 1965 entire flow diverted to Surplus Canal.

EXTREMES FOR CURRENT PERIOD.--Water year 1981: Maximum discharge, 263 ft³/s (7.45 m³/s) May 3, gage height, 3.49 ft (1.064 m); minimum, 108 ft³/s (3.06 m³/s) June 25, 26.

Water year 1982: Maximum discharge, 302 ft³/s (8.55 m³/s), gage height, 4.29 ft (1.308 m); minimum daily, 274 ft³/s (7.76 m³/s) Nov. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	160	158	185	182	169	181	181	123	153	133	141	149
2	157	156	190	181	176	181	181	129	158	138	140	148
3	161	155	186	180	184	189	181	192	199	138	137	147
4	158	155	180	183	179	186	178	159	159	137	135	147
5	157	155	189	182	179	187	179	152	144	153	136	168
6	160	151	184	181	179	186	179	145	139	164	134	178
7	163	165	184	182	180	185	175	140	141	153	130	169
8	171	176	182	181	182	185	177	155	146	154	132	163
9	169	173	169	185	182	184	178	138	148	154	141	174
10	168	176	163	188	177	183	178	130	146	156	144	183
11	167	179	163	188	178	183	181	139	146	149	143	177
12	166	206	164	188	182	183	179	144	154	145	141	167
13	162	181	163	185	183	183	178	148	151	143	139	164
14	167	184	162	186	183	181	178	145	154	138	135	159
15	187	182	160	186	180	177	173	169	136	135	132	156
16	207	178	159	184	181	181	169	176	125	134	140	160
17	195	180	159	183	182	171	169	148	122	140	147	165
18	195	183	158	182	181	172	164	143	118	148	145	159
19	197	174	166	182	184	185	165	129	115	156	142	157
20	192	153	178	182	177	187	164	135	117	151	143	155
21	187	141	181	182	172	184	164	157	119	147	142	156
22	184	134	185	181	172	181	161	141	118	148	144	155
23	189	167	182	181	173	183	156	134	114	148	151	156
24	196	187	182	178	170	186	151	138	113	148	146	156
25	193	177	180	176	157	186	150	137	110	151	139	158
26	193	186	178	175	160	192	149	150	112	148	136	162
27	186	185	176	174	168	190	149	170	113	153	142	156
28	182	185	174	174	181	174	141	157	125	149	151	155
29	178	187	177	172	---	163	130	149	133	147	157	156
30	165	188	183	175	---	175	123	146	134	143	155	155
31	162	---	183	171	---	171	---	150	---	141	154	---
TOTAL	5474	5157	5425	5610	4951	5635	4981	4568	4062	4542	4394	4810
MEAN	177	172	175	181	177	182	166	147	135	147	142	160
MAX	207	206	190	188	184	192	181	192	199	164	157	183
MIN	157	134	158	171	157	163	123	123	110	133	130	147
AC-FT	10860	10230	10760	11130	9820	11180	9880	9060	8060	9010	8720	9540
CAL YR 1980	TOTAL	58887	MEAN	161	MAX	214	MIN	98	AC-ft	116800		
WTR YR 1981	TOTAL	59609	MEAN	163	MAX	207	MIN	110	AC-FT	118200		

TABLE 4.--Continued

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	154	168	170	176	166	180	140	72	168	239	187	182
2	160	166	174	166	183	145	140	80	181	227	186	184
3	166	162	172	161	184	99	140	76	173	214	193	184
4	200	160	166	158	182	100	140	54	178	211	186	180
5	166	157	162	156	181	104	140	69	195	229	175	185
6	160	153	167	147	182	110	120	73	197	206	188	181
7	154	152	173	145	182	98	100	68	195	200	207	191
8	185	148	175	153	182	91	108	61	190	208	181	197
9	155	146	173	163	185	135	120	74	192	205	183	193
10	161	139	167	162	181	140	129	83	207	194	175	204
11	172	135	143	161	184	140	123	49	208	194	171	191
12	158	135	141	161	193	140	119	55	204	190	173	209
13	151	133	159	163	193	140	110	47	205	180	175	215
14	145	131	153	163	195	140	88	43	217	195	175	207
15	143	139	146	164	187	148	89	40	209	213	172	201
16	154	144	104	165	188	140	92	85	207	208	166	203
17	153	120	130	171	189	142	94	120	213	199	164	202
18	150	109	158	175	189	148	80	115	208	194	159	199
19	155	93	172	170	185	147	86	140	205	187	165	193
20	162	97	157	169	182	140	95	125	199	195	179	194
21	162	88	162	172	176	138	76	121	197	202	177	206
22	159	134	161	177	174	132	100	118	198	201	177	207
23	157	167	159	177	176	129	80	116	197	203	170	204
24	156	172	158	179	182	129	104	127	195	204	173	201
25	152	158	156	179	182	131	112	140	190	204	185	203
26	153	139	151	182	184	140	105	150	188	205	187	237
27	152	136	153	186	182	144	113	163	187	207	194	132
28	151	132	149	173	181	148	84	197	193	258	196	146
29	206	151	147	164	---	149	83	180	203	241	196	121
30	200	171	165	163	---	149	65	169	215	220	192	103
31	175	---	163	162	---	145	---	155	---	201	189	---
TOTAL	5027	4235	4886	5163	5132	4161	3175	3165	5914	6434	5596	5655
MEAN	162	141	158	167	183	134	106	102	197	208	181	189
MAX	206	172	175	186	195	180	140	197	217	258	207	237
MIN	143	88	104	145	166	91	65	40	168	180	159	103
AC-FT	9970	8400	9690	10240	10180	8250	6300	6280	11730	12760	11100	11220
CAL YR 1981	TOTAL	57701	MEAN	158	MAX	206	MIN	88	AC-FT	114400		
WTR YR 1982	TOTAL	58543	MEAN	160	MAX	258	MIN	40	AC-FT	116100		

TABLE 4.--Continued

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1974 to current year.

WATER-QUALITY DATA

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)
OCT. 1980									
16...	1112	220	6.5	10.5	6.9	72	--	1600	3400
26...	1245	297	--	--	--	--	--	K400	K300
26...	1340	201	--	--	--	--	--	--	--
NOV.									
20...	1025	155	-1.0	7.5	6.9	66	--	2	2
DEC.									
03...	1045	191	14.0	6.5	--	--	--	4100	K800
23...	0904	177	3.0	5.0	9.4	84	--	81	190
JAN. 1981									
14...	1210	191	-1.5	4.0	11.5	--	--	<1	K20
20...	0915	186	.0	4.0	10.1	89	--	K8200	1900
FEB.									
20...	1120	172	2.5	5.5	9.4	89	98	K16	52
24...	1100	177	-1.5	7.0	9.6	94	3500	300	170
MAR.									
26...	0900	190	7.0	10.0	--	--	--	--	--
26...	1330	209	1.0	9.0	7.1	73	23000	6000	24000
26...	1345	194	1.0	--	--	--	4000	3500	680
26...	1645	214	1.0	--	--	--	8000	4300	2300
APR.									
27...	1300	160	15.0	13.0	7.3	74	3800	K750	690
28...	1030	159	17.0	12.0	6.7	--	61000	4300	830
MAY									
12...	1230	169	15.5	13.0	9.8	109	720	120	190
19...	1730	143	23.0	16.0	5.0	--	--	--	--
20...	1030	151	11.0	13.0	5.9	--	--	--	--
20...	1045	151	--	13.0	--	--	2400	K110	360
20...	1545	165	--	13.0	6.2	--	--	--	--
20...	1655	160	--	13.0	6.6	--	3300	370	420
JUNE									
03...	0930	216	15.0	10.5	8.1	84	2400	K670	2900
04...	1320	174	16.0	14.0	8.0	--	7500	K70	50
23...	1305	120	25.0	20.0	5.2	68	280000	K6700	440
JULY									
15...	1330	138	28.0	20.0	4.9	65	K1000	<1	K60
21...	1130	138	32.5	21.5	4.4	58	2600	K790	1400
28...	0745	150	--	17.0	5.2	63	K8700	310	630
JULY									
28...	0900	149	--	17.0	5.4	66	--	--	--
28...	1030	150	--	20.0	5.3	69	7500	250	K1400
28...	1200	151	--	20.5	5.6	74	--	--	--
28...	1315	151	--	21.0	5.5	72	4700	K270	230
28...	1445	151	--	21.0	5.0	66	--	--	--
28...	1630	151	--	23.0	5.4	75	--	--	--
28...	1745	151	--	23.0	4.9	68	2800	360	420
28...	1945	150	--	23.0	5.3	74	--	--	--
28...	2145	149	--	23.0	5.1	71	K9400	380	330
28...	2215	149	--	22.0	5.1	69	--	--	--
29...	0045	151	--	22.0	4.5	61	3300	560	770
29...	0345	150	--	20.0	4.1	53	--	--	--
29...	0600	149	--	20.0	4.3	56	3700	K1200	780
29...	0715	149	--	20.0	4.2	55	--	--	--
29...	0900	148	--	20.0	4.4	57	--	--	--
AUG.									
12...	1400	146	25.0	20.0	5.3	69	K18000	4200	380
26...	1400	159	31.5	21.0	4.8	63	2600	1200	1800
28...	1400	161	--	--	--	--	--	--	--
SEPT.									
02...	1240	155	21.0	19.0	5.0	63	77000	K15500	2700
04...	0720	182	--	18.0	3.9	49	--	--	--
04...	0840	182	21.5	18.0	4.2	53	--	--	--
05...	0830	156	--	--	--	--	--	--	--
08...	1430	170	24.0	19.0	6.3	81	14000	2200	1600

K Results based on colony count outside acceptable range (non-ideal colony count).

TABLE 4.--Continued

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)
OCT. 1981									
06...	1430	167	23.5	16.0	6.3	74	K19000	K360	1700
20...	0835	160	7.5	12.0	6.4	69	30000	2500	3400
NOV.									
17...	0830	117	14.0	10.5	5.5	58	410	K1	770
DEC.									
15...	1050	153	13.0	8.5	7.4	75	2200	47	750
29...	1230	153	4.0	4.5	10.0	91	--	K6	140
JAN. 1982									
26...	1245	178	11.5	4.0	9.2	87	4100	240	810
FEB.									
17...	1345	188	6.5	6.0	8.8	83	1600	--	82
24...	1235	179	3.0	6.0	9.8	91	940	K180	1500
APR.									
07...	1310	100	1.5	7.0	8.4	82	8400	780	2000
16...	1130	87	5.5	9.5	8.3	84	8200	29000	7400
27...	1440	106	18.5	14.0	7.4	84	6000	K280	700
MAY									
25...	1215	133	19.0	12.0	8.1	88	50000	800	1500
JUNE									
22...	0930	194	21.0	13.5	7.4	82	24000	2000	170
24...	1500	200	24.0	15.0	7.2	84	57000	K7200	1100
JULY									
20...	0900	182	23.5	18.0	5.0	62	8000	K3400	4600
AUG.									
24...	0930	161	22.5	19.5	3.7	47	340000	11000	>20000
SEPT.									
01...	1200	177	26.0	19.0	5.2	65	K110000	7000	K43000

K Results based on colony count outside acceptable range (non-ideal count).

TABLE 4.--Continued

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TUR- BID- ITY (FTU)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO
OCT. 1980											
16...	1112	--	1440	7.3	2.8	--	420	83	51	150	3.2
26...	1245	--	1890	7.8	--	29	450	89	54	160	3.7
26...	1340	--	--	--	--	--	--	--	--	--	--
NOV.											
20...	1025	--	1680	7.7	8.1	--	540	120	59	170	3.2
DEC.											
03...	1045	--	1320	7.7	--	30	430	84	54	160	3.8
23...	0904	--	1460	8.0	5.7	--	440	84	57	160	3.3
JAN. 1981											
14...	1210	--	1290	7.6	20	34	420	82	51	150	3.6
20...	0915	--	1470	7.7	2.3	--	420	80	53	160	3.4
FEB.											
20...	1120	--	1390	8.2	5.0	--	410	77	53	150	3.2
24...	1100	--	1610	7.8	22	37	420	79	53	150	3.6
MAR.											
26...	0900	--	1380	7.8	23	24	--	--	--	--	--
26...	1330	--	1400	8.0	34	--	390	75	50	140	3.1
26-26	1200	1730	1330	7.9	23	29	--	--	--	--	--
APR.											
27...	1300	--	1120	7.1	37	--	360	76	42	120	2.7
28...	1030	--	1250	7.9	33	160	--	--	--	--	--
MAY											
12...	1230	--	1320	7.3	3.6	--	420	92	46	140	3.0
19...	1730	--	1270	7.3	17	27	--	--	--	--	--
20...	1030	--	140	--	--	--	--	--	--	--	--
20...	1045	--	150	--	--	--	--	--	--	--	--
20...	1545	--	150	--	--	--	--	--	--	--	--
20...	1655	--	150	--	--	--	--	--	--	--	--
20-20	0730	1900	1180	7.5	23	21	--	--	--	--	--
JUNE											
03...	0930	--	830	7.6	87	--	190	45	19	51	1.6
04...	1320	--	780	7.6	21	44	--	--	--	--	--
23...	1305	--	1330	7.5	21	33	--	--	--	--	--
JULY											
15...	1330	--	1800	7.5	28	49	--	--	--	--	--
21...	1130	--	1630	7.9	14	--	510	110	57	170	3.3
AUG.											
12...	1400	--	1750	7.8	27	85	480	100	57	--	--
26...	1400	--	1720	7.6	29	--	510	110	57	190	4.1
28...	1400	--	--	--	--	--	490	100	59	--	--
SEPT.											
02...	1240	--	1760	7.8	27	110	--	--	--	--	--
05...	0830	--	1650	7.8	30	130	--	--	--	--	--
05-05	1200	1900	1540	7.6	48	85	--	--	--	--	--
08...	1430	--	1700	7.7	8.5	--	480	98	57	180	4.0
OCT.											
06...	1430	--	1700	8.0	10	--	500	103	58	180	3.9
20...	0835	--	1620	7.9	99	70	540	120	58	180	3.7
NOV.											
17...	0830	--	1710	7.9	27	89	530	120	56	170	3.5
DEC.											
15...	1050	--	1610	7.9	14	--	--	--	--	--	--
29...	1230	--	1670	7.7	6.1	--	480	97	58	170	3.8
JAN. 1982											
26...	1245	--	1600	8.1	58	--	--	--	--	--	--
FEB.											
17...	1345	--	1620	8.0	15	--	450	87	56	170	3.9
24...	1235	--	1500	8.1	26	--	--	--	--	--	--
APR.											
07...	1310	--	1530	8.0	55	--	--	--	--	--	--
16...	1130	--	1370	7.9	52	--	410	85	49	130	3.1
27...	1440	--	1310	8.2	48	--	--	--	--	--	--
MAY											
25...	1215	--	215	8.0	37	--	--	--	--	--	--
JUNE											
22...	0930	--	790	8.1	26	18	240	51	27	70	2.2
24...	1500	--	880	8.0	22	--	260	57	28	74	2.2
JULY											
20...	0900	--	1280	8.0	17	32	390	82	44	120	2.9
AUG.											
24...	0930	--	1670	8.0	24	35	480	100	55	170	3.8
SEPT.											
01...	1200	--	1660	7.9	24	--	490	110	53	160	3.5

TABLE 4.--Continued

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	ALKA- LINITY LAB (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS- RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS- SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS- RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)
OCT. 1980											
16...	14	.7	23	210	270	210	852	934	--	--	--
26...	15	.6	24	230	270	220	976	979	36	1.40	.110
26...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
20...	15	.7	26	250	390	240	1120	1180	--	--	--
DEC.											
03...	17	.7	24	230	250	210	962	945	44	1.20	.060
23...	15	.6	23	230	260	210	1010	953	--	--	--
JAN. 1981											
14...	13	.7	22	--	260	210	886	915	60	.96	.040
20...	13	.7	23	220	260	200	947	926	--	--	--
FEB.											
20...	13	.5	23	220	250	200	888	903	--	--	--
24...	13	.6	23	220	260	210	927	926	51	.86	.050
MAR.											
26...	--	--	--	210	270	220	946	--	41	.90	.060
26...	13	.2	21	210	240	200	862	870	--	--	--
26-26	--	--	--	200	240	200	874	--	150	1.00	.070
APR.											
27...	11	.5	19	180	210	150	765	744	--	--	--
28...	--	--	--	190	220	180	791	--	52	1.20	.090
MAY											
12...	11	.4	20	160	250	180	696	843	--	--	--
19...	--	--	--	190	230	190	826	--	59	1.50	.210
20...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	--	--	--	200	220	170	759	--	33	1.50	.130
JUNE											
03...	4.6	.2	9.9	100	94	68	359	356	--	--	--
04...	--	--	--	130	130	100	498	--	71	1.00	.080
23...	--	--	--	210	240	180	869	--	20	1.80	.210
JULY											
15...	--	--	--	250	310	240	1080	--	58	2.10	.290
21...	16	.7	25	230	300	230	1040	1060	--	--	--
AUG.											
12...	--	--	--	260	270	250	1100	--	54	1.30	.270
26...	15	.7	26	240	310	240	1100	1100	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
SEPT.											
02...	--	--	--	240	310	250	1150	--	79	1.60	.260
05...	--	--	--	230	300	240	1110	--	30	1.30	.370
05-05	--	--	--	210	280	240	992	--	77	1.20	.310
08...	18	.6	28	240	300	260	1100	1090	--	--	--
OCT.											
06...	14	.8	23	260	300	240	1090	1080	--	--	--
20...	--	--	--	230	310	250	1130	--	35	1.70	.180
NOV.											
17...	--	--	--	250	320	250	1160	--	15	2.30	.240
DEC.											
29...	14	.6	25	250	300	240	1080	1060	--	--	--
JAN. 1982											
26...	--	--	--	--	--	--	1070	--	50	--	--
FEB.											
17...	16	.7	23	260	280	220	1030	1010	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
APR.											
07...	--	--	--	--	--	--	1000	--	88	--	--
16...	12	.6	20	220	250	180	868	859	--	--	--
MAY											
25...	--	--	--	--	--	--	552	--	57	--	--
JUNE											
22...	7.0	--	--	146	130	100	493	--	76	.78	.060
24...	7.4	.3	14	153	130	97	514	500	--	--	--
JULY											
20...	13	--	--	212	220	180	833	--	49	1.30	.170
AUG.											
24...	--	--	--	242	300	230	1110	--	36	1.80	.300
SEPT.											
01...	14	.6	25	246	290	220	1120	1020	--	--	--

TABLE 4.--Continued

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT. 1980											
16...	.940	.930	1.2	4.60	2.2	2.4	3.7	1.5	3.8	6.0	1.70
26...	--	1.20	1.5	2.10	.00	2.2	--	1.0	3.7	--	.940
26...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
20...	2.30	2.20	2.8	2.70	.20	2.5	.40	.30	4.7	4.9	1.40
DEC.											
03...	--	1.20	1.5	2.10	.10	2.0	--	.80	3.3	--	.790
23...	1.20	1.10	1.4	2.40	.10	2.3	1.2	1.2	3.5	3.7	.750
JAN. 1981											
14...	--	1.40	1.8	2.50	.30	2.2	--	.80	3.2	--	.870
20...	1.10	1.10	1.4	2.30	.30	2.0	1.2	.90	3.0	3.4	.810
FEB.											
20...	1.10	1.10	1.4	1.90	.10	1.8	.80	.70	2.6	2.8	.840
24...	--	1.10	1.4	3.00	1.1	1.9	--	.80	2.8	--	.910
MAR.											
26...	--	.870	1.1	2.00	.50	1.5	--	.63	2.5	--	.720
26...	1.30	1.20	1.5	3.50	1.1	2.4	2.2	1.2	3.5	11	.920
26-26	--	1.30	1.7	3.40	1.4	2.0	--	.70	3.1	--	.850
APR.											
27...	.940	1.00	1.3	2.80	.90	1.9	1.9	.90	3.5	4.4	1.40
28...	--	1.30	1.7	2.30	.50	1.8	--	.50	3.1	--	1.30
MAY											
12...	1.40	1.40	1.8	3.60	.40	3.2	2.2	1.8	4.9	5.3	2.30
19...	--	2.80	3.6	4.30	.60	3.7	--	.90	5.4	--	2.50
20...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	--	1.30	1.7	2.80	.70	2.1	--	.80	3.7	--	.970
JUNE											
03...	.590	.620	.80	1.50	.00	1.5	.91	.88	2.5	2.9	.380
04...	--	1.00	1.3	1.60	.30	1.3	--	.30	2.4	--	.690
23...	--	1.60	2.1	3.00	.40	2.6	--	1.0	4.6	--	1.30
JULY											
15...	--	1.60	2.1	3.50	1.2	2.3	--	.70	4.7	--	1.60
21...	1.50	1.30	1.7	3.20	.90	2.3	1.7	1.0	4.5	6.0	2.00
AUG.											
12...	--	1.50	1.9	4.60	2.0	2.6	--	1.1	4.2	--	1.70
26...	1.20	1.20	1.5	3.80	1.3	2.5	2.6	1.3	3.8	5.6	1.60
28...	--	--	--	--	--	--	--	--	--	--	--
SEPT.											
02...	--	1.50	1.9	2.80	.40	2.4	--	.90	4.3	--	1.70
05...	--	1.10	1.4	2.80	.60	2.2	--	1.1	3.9	--	1.60
05-05	--	1.10	1.4	3.00	.90	2.1	--	1.0	3.6	--	1.10
08...	1.30	1.20	1.5	2.80	.50	2.3	1.5	1.1	3.9	4.3	1.30
OCT.											
06...	--	2.30	3.0	4.10	--	--	--	--	--	--	1.50
20...	--	1.50	1.9	3.80	.30	3.5	--	2.0	5.4	--	1.20
NOV.											
17...	--	2.70	3.5	4.10	.60	3.5	--	.80	6.0	--	1.70
DEC.											
29...	--	1.60	2.1	3.10	--	--	--	--	--	--	1.00
JAN. 1982											
26...	--	1.60	2.1	--	--	2.5	--	.90	3.7	--	.870
FEB.											
17...	--	1.60	2.1	4.40	--	--	--	--	--	--	.800
24...	--	--	--	--	--	--	--	--	--	--	--
APR.											
07...	--	1.50	1.9	--	--	3.1	--	1.6	4.5	--	.850
16...	--	1.00	1.3	2.00	--	--	--	--	--	--	.580
MAY											
25...	--	.710	.91	--	--	1.3	--	.59	2.3	--	.570
JUNE											
22...	--	.390	.50	--	--	1.1	--	.71	1.9	--	.510
24...	--	.870	1.1	1.50	--	--	--	--	--	--	.520
JULY											
20...	--	.720	.93	--	--	1.5	--	.78	3.0	--	1.70
AUG.											
24...	--	1.60	2.1	4.00	1.9	2.1	--	.50	4.2	--	2.00
SEPT.											
01...	--	1.50	1.9	4.60	--	--	--	--	--	--	1.50

TABLE 4.--Continued

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

DATE	WATER-QUALITY DATA									
	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)
OCT. 1980										
16...	.740	--	--	--	--	--	--	--	--	--
26...	.790	<1	6	19	<10	<10	29	--	<10	--
26...	--	--	--	--	--	--	--	--	--	--
NOV.										
20...	1.40	<1	0	14	6	30	12	8	4	.2
DEC.										
03...	.680	<1	4	21	<10	<10	31	16	15	--
23...	.750	--	--	--	--	--	--	--	--	--
JAN. 1981										
14...	.730	<1	16	29	<10	14	18	5	13	.1
20...	.660	--	--	--	--	--	--	--	--	--
FEB.										
20...	.650	<1	10	17	6	50	10	8	2	.1
24...	.710	1	0	28	14	11	33	--	<10	.1
MAR.										
26...	.580	<1	20	16	8	10	16	14	2	.2
26...	.700	--	--	--	--	--	--	--	--	--
26-26	.690	<1	10	20	12	10	24	24	0	.2
APR.										
27...	.870	--	--	--	--	--	--	--	--	--
28...	.980	<1	20	75	5	30	25	25	0	.1
MAY										
12...	1.40	<1	30	22	7	190	27	21	6	.0
19...	1.60	<1	20	18	6	20	20	12	8	.2
20...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
20-20	.810	<1	20	17	4	10	24	20	4	.9
JUNE										
03...	.460	--	--	--	--	--	--	--	--	--
04...	.540	1	20	29	6	30	61	49	12	.2
23...	1.50	<1	0	18	5	10	32	32	0	.1
JULY										
15...	1.50	<1	20	23	7	20	37	33	4	.1
21...	1.80	--	--	--	--	--	--	--	--	--
AUG.										
12...	1.20	<1	0	28	6	10	32	30	2	.0
26...	1.30	<1	10	21	6	26	24	24	0	.1
28...	--	1	10	25	6	50	35	32	3	.1
SEPT.										
02...	1.40	<1	10	25	6	15	40	39	1	.0
05...	1.10	<1	10	33	7	17	52	49	3	.4
05-05	.940	<1	0	40	4	24	110	100	6	1.2
08...	1.20	--	--	--	--	--	--	--	--	--
OCT.										
06...	1.40	<1	10	20	5	12	23	21	2	.2
20...	1.20	2	20	23	28	710	24	4	20	.2
NOV.										
17...	1.60	<1	10	32	10	16	35	30	5	.1
DEC.										
29...	.980	--	--	--	--	--	--	--	--	--
JAN. 1982										
26...	.780	<1	--	--	7	--	--	--	--	--
FEB.										
17...	.740	2	10	14	4	10	20	--	<1	.1
24...	--	--	--	--	--	--	--	--	--	--
APR.										
07...	.210	<1	--	--	3	--	--	--	--	--
16...	.520	<3	10	49	4	16	26	22	4	.3
MAY										
25...	.490	<1	--	--	4	--	--	--	--	--
JUNE										
22...	.380	<1	10	22	4	11	26	--	<1	.1
24...	.210	--	--	--	--	--	--	--	--	--
JULY										
20...	.980	<1	20	21	5	10	37	36	1	.2
AUG.										
24...	1.50	<1	<10	22	4	8	32	30	2	<.1
SEPT.										
01...	1.20	<1	10	21	3	5	21	--	<1	.1

TABLE 4.--Continued

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA										
DATE	MERCURY SUS- PENDE REC- COV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, TOTAL REC- COV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE REC- COV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT. 1980										
16...	--	--	--	--	--	--	--	--	255	151
26...	--	--	60	50	13	2.0	--	14	--	--
26...	--	--	--	--	--	--	--	--	66	36
NOV.										
20...	.2	.0	50	20	30	1.1	--	6.2	15	6.3
DEC.										
03...	--	--	40	30	10	1.6	--	13	--	--
23...	--	--	--	--	--	--	--	--	59	28
JAN. 1981										
14...	.0	.1	40	30	15	.8	--	14	39	20
20...	--	--	--	--	--	--	17	--	34	17
FEB.										
20...	.0	.1	50	30	20	2.6	--	13	61	28
24...	.0	.1	40	20	17	2.2	--	11	96	46
MAR.										
26...	.1	.1	50	30	20	1.4	--	10	--	--
26...	--	--	--	--	--	--	11	--	190	107
26-26	.1	.1	90	60	30	1.5	--	8.7	--	--
APR.										
27...	--	--	--	--	--	--	26	--	--	--
28...	--	--	100	30	70	1.4	--	9.8	83	36
MAY										
12...	.0	.0	30	10	20	1.9	--	10	--	--
19...	.1	.1	60	0	60	1.7	--	7.2	--	--
20...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	73	30
20...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	192	83
20-20	.8	.1	50	20	30	1.4	--	11	--	--
JUNE										
03...	--	--	--	--	--	--	9.8	--	--	--
04...	.2	.0	90	50	40	2.2	--	8.7	140	66
23...	.1	.0	60	30	30	1.2	--	6.0	122	40
JULY										
15...	.1	.0	60	30	30	--	--	5.9	212	79
21...	--	--	--	--	--	--	10	--	--	--
AUG.										
12...	.0	.0	160	140	24	2.4	--	7.0	222	88
26...	.1	.0	50	50	5	1.6	--	7.0	--	--
28...	.1	.0	50	20	30	--	--	--	--	--
SEPT.										
02...	.0	.0	60	30	31	2.2	--	6.6	195	82
05...	.4	.0	100	70	32	3.2	--	9.5	258	109
05-05	1.2	.0	100	80	20	3.8	--	9.1	289	--
08...	--	--	--	--	--	--	10	--	--	--
OCT.										
06...	.0	.2	50	40	11	--	--	--	68	31
20...	.2	.0	60	0	78	2.3	--	8.5	282	122
NOV.										
17...	--	<.1	60	40	17	2.1	--	14	255	81
DEC.										
29...	--	--	--	--	--	--	--	--	26	11
JAN. 1982										
26...	--	--	--	--	20	3.3	--	--	309	149
FEB.										
17...	--	<.1	50	40	8	--	--	--	74	38
24...	--	--	--	--	--	--	--	--	96	46
APR.										
07...	--	--	--	--	20	2.4	--	--	--	--
16...	--	<.1	40	20	18	--	--	--	171	40
MAY										
25...	--	--	--	--	10	1.6	--	--	286	103
JUNE										
22...	--	<.1	60	40	18	1.6	--	4.0	186	97
24...	--	--	--	--	--	--	--	--	116	63
JULY										
20...	--	<.1	70	60	14	1.8	--	5.1	224	110
AUG.										
24...	--	<.1	70	50	18	2.3	--	6.3	62	27
SEPT.										
01...	--	<.1	50	40	13	--	--	--	54	26

TABLE 4.--Continued

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA							
DATE	TIME	END- ING TIME (2400 HOURS)	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C	CHRO- MIUM, SUS- PENDE D RECOV. (UG/L AS CR)
NOV. 1980							
20...	1025	--	--	--	--	--	0
FEB. 1981							
20...	1120	--	--	--	--	--	10
24...	1100	--	23	35	.21	.10	--
MAR.							
26...	0900	--	7.2	12	.19	.08	20
26-26	1200	1730	--	--	--	--	10
APR.							
28...	1030	--	5.8	8.2	.25	.11	20
MAY							
12...	1230	--	--	--	--	--	20
19...	1730	--	4.2	9.8	.11	.04	20
20-20	0730	1900	5.0	10	.13	.06	20
JUNE							
04...	1320	--	13	25	.15	.06	18
23...	1305	--	7.2	16	.12	.06	0
JULY							
15...	1330	--	8.8	23	.10	.04	8
28...	1030	--	--	--	--	--	--
28...	1745	--	--	--	--	--	--
AUG.							
12...	1400	--	10	21	.14	.06	0
26...	1400	--	--	--	--	--	10
28...	1400	--	--	--	--	--	0
SEPT.							
02...	1240	--	8.2	17	.14	.06	8
05...	0830	--	8.6	22	.10	.04	4
05-05	1200	1900	7.2	18	.10	.04	0
OCT.							
06...	1430	--	--	--	--	--	10
20...	0835	--	12	20	.18	.08	10
NOV.							
17...	0830	--	20	54	.10	.04	9
DEC.							
15...	1050	--	17	27	.19	.08	--
JAN. 1982							
26...	1245	--	20	34	.18	.08	--
FEB.							
17...	1345	--	--	--	--	--	--
24...	1235	--	25	37	.22	.10	--
APR.							
07...	1310	--	73	196	.10	.04	--
16...	1130	--	--	--	--	--	--
27...	1440	--	6.6	11	.18	.08	--
MAY							
25...	1215	--	7.0	10	.23	.10	--
JUNE							
22...	0930	--	3.6	8.0	.12	.06	--
JULY							
20...	0900	--	6.5	12	.16	.06	--
AUG.							
24...	0930	--	7.3	17	.11	.04	--
SEPT.							
01...	1200	--	--	--	--	--	--

TABLE 4.--Continued

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	CHROMIUM, DIS-SOLVED (UG/L AS CR)	COPPER, SUS-PENDED RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOVERABLE (UG/L AS FE)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
NOV. 1980						
20...	10	8	450	420	--	--
FEB. 1981						
20...	0	11	740	690	--	--
24...	--	14	--	--	--	--
MAR.						
26...	0	8	660	650	--	--
26-26	0	8	740	730	--	--
APR.						
28...	0	70	1200	1200	6.46	.000
MAY						
12...	10	15	1000	810	--	--
19...	0	12	710	690	--	--
20-20	0	13	1000	990	--	--
JUNE						
04...	2	23	1600	1600	2.69	.000
23...	12	13	890	880	5.24	.000
JULY						
15...	12	16	1100	1100	8.50	.000
28...	--	--	--	--	12.2	.000
28...	--	--	--	--	8.50	.000
AUG.						
12...	1	22	1300	1300	21.1	<.010
26...	0	15	1800	1800	--	--
28...	10	19	1400	1400	--	--
SEPT.						
02...	2	19	1300	1300	20.1	3.38
05...	6	26	1800	1800	--	--
05-05	3	36	2900	2900	--	--
OCT.						
06...	0	15	730	720	--	--
20...	10	0	1100	390	29.4	<.100
NOV.						
17...	1	22	840	820	15.6	6.31
DEC.						
15...	--	--	--	--	--	--
JAN. 1982						
26...	--	--	--	--	--	--
FEB.						
17...	<10	10	1000	990	--	--
24...	--	--	--	--	--	--
APR.						
16...	<10	45	1500	1500	--	--
27...	--	--	--	--	16.3	<.100
MAY						
25...	--	--	--	--	6.30	<.100
JUNE						
22...	<1	18	1500	1500	4.00	<.100
JULY						
20...	<1	16	1500	1500	13.0	<.100
AUG.						
24...	1	18	1100	1100	16.0	<.100
SEPT.						
01...	<10	18	1000	1000	--	--

TABLE 4.--Continued

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA								
DATE	TIME	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)
OCT. 1980								
16...	1112	210	--	--	--	--	--	--
26...	1245	220	--	260	90	<1	1	--
NOV.								
20...	1025	290	--	--	80	--	1	--
DEC.								
03...	1045	200	--	230	90	<1	1	--
23...	0904	210	--	--	--	--	--	--
JAN. 1981								
14...	1210	220	--	290	80	<1	0	--
20...	0915	200	--	--	--	--	--	--
FEB.								
20...	1120	190	--	--	80	--	1	--
24...	1100	200	--	480	80	<1	1	0
MAR.								
26...	1330	--	180	--	--	--	--	--
APR.								
27...	1300	--	180	--	--	--	--	--
MAY								
12...	1230	--	260	--	70	--	0	--
JUNE								
03...	0930	--	91	--	--	--	--	--
JULY								
21...	1130	--	280	--	--	--	--	--
AUG.								
12...	1400	--	220	--	--	--	--	--
26...	1400	--	270	--	80	--	1	--
28...	1400	--	--	--	100	--	1	0
SEPT.								
08...	1430	--	240	--	--	--	--	--
OCT.								
06...	1430	--	240	--	68	--	1	--
20...	0835	--	310	--	--	--	--	--
NOV.								
17...	0830	--	280	--	56	--	<1	--
DEC.								
29...	1230	--	230	--	--	--	--	--
FEB. 1982								
17...	1345	--	190	--	72	--	<1	--
APR.								
16...	1130	--	190	--	67	--	2	--
JUNE								
22...	0930	--	93	--	51	--	1	--
24...	1500	--	100	--	--	--	--	--
JULY								
20...	0900	--	170	--	63	--	1	--
AUG.								
24...	0930	--	230	--	68	--	1	--
SEPT.								
01...	1200	--	250	--	66	--	<1	--

TABLE 4.--Continued

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT. 1980								
16...	--	--	--	--	--	--	--	--
26...	--	<3	140	15	<10	0	1100	<6.0
NOV.								
20...	0	<3	--	40	--	0	--	--
DEC.								
03...	1	<3	140	13	<10	1	1100	<6.0
23...	--	--	--	--	--	--	--	--
JAN. 1981								
14...	0	<3	130	13	<10	0	1100	<6.0
20...	--	--	--	--	--	--	--	--
FEB.								
20...	0	<3	--	10	--	0	--	--
24...	0	<3	140	15	10	1	1200	4.0
MAR.								
26...	--	--	--	--	--	--	--	--
APR.								
27...	--	--	--	--	--	--	--	--
MAY								
12...	0	<3	--	30	--	0	--	--
JUNE								
03...	--	--	--	--	--	--	--	--
JULY								
21...	--	--	--	--	--	--	--	--
AUG.								
12...	--	--	--	--	--	--	--	--
26...	1	<3	--	33	--	1	--	--
28...	0	0	--	50	--	1	--	--
SEPT.								
08...	--	--	--	--	--	--	--	--
OCT.								
06...	4	<3	--	30	--	1	--	--
20...	--	--	--	--	--	--	--	--
NOV.								
17...	--	--	--	--	--	<1	--	--
DEC.								
29...	--	--	--	--	--	--	--	--
FEB. 1982								
17...	1	<3	--	25	--	<1	--	--
APR.								
16...	1	<1	--	25	--	1	--	--
JUNE								
22...	--	--	--	--	--	1	--	--
JULY								
20...	--	--	--	--	--	<1	--	--
AUG.								
24...	--	--	--	--	--	1	--	--
SEPT.								
01...	<1	<1	--	31	--	1	--	--

TABLE 4.--Continued

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

		ARSENIC TOTAL (UG/L AS AS)		ARSENIC SUS- PENDE TOTAL (UG/L AS AS)		ARSENIC DIS- SOLVED (UG/L AS AS)		BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)		BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)		MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)		MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)							
DATE	TIME																				
NOV. 1980																					
20...	1025	14		1		13		100		20		50		10							
FEB. 1981																					
20...	1120	6		6		0		300		200		40		30							
MAY																					
12...	1230	13		2		11		0		0		60		30							
AUG.																					
26...	1400	20		0		20		100		20		80		50							
28...	1400	18		1		17		100		0		70		20							
OCT.																					
06...	1430	16		2		14		200		100		50		20							
NOV.																					
17...	0830	15		--		--		100		40		--		--							
FEB. 1982																					
17...	1345	12		1		11		100		30		60		40							
APR.																					
16...	1130	12		2		10		<100		--		80		60							
JUNE																					
22...	0930	9		--		--		<100		--		--		--							
JULY																					
20...	0900	14		--		--		100		40		--		--							
AUG.																					
24...	0930	16		--		--		<100		--		--		--							
SEPT.																					
01...	1200	17		3		14		<100		--		60		30							
		NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)		NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)		NICKEL, DIS- SOLVED (UG/L AS NI)		SELE- NIUM, TOTAL (UG/L AS SE)		SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)		SELE- NIUM, DIS- SOLVED (UG/L AS SE)		SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)		SILVER, DIS- SOLVED (UG/L AS AG)					
DATE	TIME																				
NOV. 1980																					
20...		6		3		3		2		0		2		0		0					
FEB. 1981																					
20...		4		0		4		1		0		1		0		0					
MAY																					
12...		3		1		2		2		1		1		0		0					
AUG.																					
26...		2		0		3		2		0		2		1		0					
28...		5		2		3		2		0		2		1		0					
OCT.																					
06...		6		4		2		2		0		2		1		0					
NOV.																					
17...		--		--		--		2		0		2		--		<1					
FEB. 1982																					
17...		5		--		<1		2		0		2		--		<1					
APR.																					
16...		5		1		4		1		0		2		--		<1					
JUNE																					
22...		--		--		--		1		0		1		--		<1					
JULY																					
20...		--		--		--		1		0		1		--		<1					
AUG.																					
24...		--		--		--		1		0		2		--		<1					
SEPT.																					
01...		4		3		1		2		0		2		--		<1					
		ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)		BERYL- LIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)		BORON, DIS- SOLVED (UG/L AS B)		CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)		CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)		COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)		LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)		MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)		SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)		SILVER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS AG)	
DATE	TIME																				
AUG. 1981																					
28...	1400	6		<1		340		1		5		54		130		.04		0		--	
NOV.																					
17...	0830	--		--		330		--		--		--		--		--		--		--	
JUNE 1982																					
22...	0930	--		--		140		--		--		--		--		--		--		--	
JULY																					
20...	0900	--		--		270		--		--		--		--		--		--		--	
AUG.																					
24...	0930	14		<1		360		3		4		73		200		.06		<1		1	

TABLE 4.--Continued

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD- TOTAL (UG/L)
AUG. 1981											
28...	130	.00	.00	3	.00	6	.00	.0	.00	4.0	.00
NOV.											
17...	--	<.01	--	4	--	--	--	--	--	--	--
JUNE 1982											
22...	--	<.01	--	2	--	--	--	--	--	--	--
JULY											
20...	--	<.01	--	5	--	--	--	--	--	--	--
AUG.											
24...	250	<.01	--	6	--	6	--	<.1	--	14	--
DATE	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG. 1981											
28...	.3	.01	.2	.00	.0	.00	.1	.00	.0	.00	.0
AUG. 1982											
24...	1.0	--	.8	--	.2	--	<.1	--	<.1	--	<.1
DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG. 1981											
28...	.00	.1	.00	.0	.0	.0	.0	.00	.0	0	.0
AUG. 1982											
24...	--	<.1	--	.1	<.1	5.2	--	<.1	--	<10	
DATE	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4-DP, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG. 1981											
28...	.06	.0	.00	.0	.00	.0	.00	.00	.00	.01	.0
AUG. 1982											
24...	--	<.1	--	<.1	--	<.1	--	<1.00	--	<.1	
DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	BENZENE TOTAL (UG/L)	BROM- OFORM TOTAL (UG/L)	CARBON- TETRA- CHLO- RIDE TOTAL (UG/L)	CHLORO- BENZENE TOTAL (UG/L)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L)	CHLORO- ETHANE TOTAL (UG/L)	CHLORO- ETHANE TOTAL (UG/L)	DI- CHLORO- BROMO- METHANE TOTAL (UG/L)	DI- CHLORO- BROMO- METHANE TOTAL (UG/L)
JUNE 1982											
22...	0930	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AUG.											
24...	0930	67000	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0
DATE	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L)	ETHYL- BENZENE TOTAL (UG/L)	METHYL- BROMIDE TOTAL (UG/L)	METHYL- CHLO- RIDE TOTAL (UG/L)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L)	VINYL CHLO- RIDE TOTAL (UG/L)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L)
JUNE 1982											
22...	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AUG.											
24...	<1.0	<1.0	<1.0	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 4.--Continued

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

DATE	WATER-QUALITY DATA								
	1,1-DI- CHLORO- ETHANE TOTAL (UG/L)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L)	1,1,2,2 TETRA- CHLORO- ETHANE TOTAL (UG/L)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L)	1,3-DI- CHLORO- PROPENE TOTAL (UG/L)	CHLORO ETHYL- ENE TOTAL (UG/L)	2- CHLORO- ETHYL- VINYL- ETHER TOTAL (UG/L)
JUNE 1982									
22...	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AUG.									
24...	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DATE	TIME		SED. TOTAL, FALL DIAM. %FINER THAN .002 MM	SED. TOTAL, FALL DIAM. %FINER THAN .004 MM	SED. TOTAL, FALL DIAM. %FINER THAN .016 MM	SED. TOTAL, FALL DIAM. %FINER THAN .062 MM			
JUNE 1982									
22...	0930		37	47	62	84			
JULY									
20...	0900		37	43	52	65			
AUG.									
24...	0930		13	30	48	75			

TABLE 4.--Continued

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

PHYTOPLANKTON ANALYSES		
DATE	AUG 24, 82	
TIME	0930	
TOTAL CELLS/ML	67000	
DIVERSITY: DIVISION	0.3	
.CLASS	0.3	
..ORDER	1.3	
...FAMILY	1.4	
....GENUS	1.4	
ORGANISM	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)		
.BACILLARIOPHYCEAE		
..ACHNANTHALES		
...ACHNANTHACEAE		
....COCCONEIS	*	0
....RHOICOSPHENIA	*	0
..BACILLARIALES		
...NITZSCHIA		
...NITZSCHIA	720	1
...EUPODISCALES		
...COSCINODISCAEAE		
....CYCLOTELLA	410	1
..FRAGILARIALES		
...FRAGILARIAEAE		
....DIATOMA	*	0
..NAVICULALES		
...CYNBELLACEAE		
....AMPHORA	*	0
...ENTOMONEIDACEAE		
....ENTOMONEIS	*	0
...GOMPHONEMACEAE		
....GOMPHONEMA	*	0
...NAVICULACEAE		
....NAVICULA	770	1
CHLOROPHYTA (GREEN ALGAE)		
.CHLOROPHYCEAE		
..VOLVOCALES		
...POLYBLEPHARIDACEAE		
....SPERMATOZOOPSIS	*	0
CHRYSOPHYTA		
.XANTHOPHYCEAE		
..MISCHOCOCCALES		
...SCIADACEAE		
....OPHIOCYTIUM	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)		
.CYANOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
....ANACYSTIS	32000#	48
...NOSTOCALES		
...NOSTOCACEAE		
....ANABAENA	32000#	48
..OSCILLATORIALES		
...OSCILLATORIAEAE		
....OSCILLATORIA	*	0
EUGLENOPHYTA (EUGLENOIDS)		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....EUGLENA	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

TABLE 4.—Continued

10171600 PARLEYS CREEK AT SUICIDE ROCK, NEAR SALT LAKE CITY, UTAH

LOCATION.--Lat 40°42'35", long 111°47'48", in NE¼NE¼NE¼ sec. 26, T.1 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on right bank at mouth of canyon about 0.1 mi (0.2 km) upstream from Interstate Highways 80 and 215 interchange and 6 mi (10 km) southeast of Salt Lake City.

DRAINAGE AREA.--50.7 mi² (131.3 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to September 1968. October 1979 to September 1981. Records for October 1968 to September 1979 in files of Salt Lake City Water Department.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 4,710 ft (1,436 m) from topographic map.

REMARKS.--Records good. Flow regulated by Mountain Dell Reservoir.

COOPERATION.--Gage-height record furnished by Salt Lake City Water Department.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 219 ft³/s (6.20 m³/s) May 19, 1964; no flow Oct. 27, 29, 31, Nov. 1, 2, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 80 ft³/s (2.27 m³/s) May 28, gage height, 1.29 ft (0.393 m); minimum, 1.4 ft³/s (0.040 m³/s) Sept. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	2.0	2.1	1.8	2.0	3.2	3.7	5.3	35	4.3	2.6	1.8
2	2.4	2.0	2.0	1.8	2.0	3.1	4.3	5.3	32	4.7	2.6	1.8
3	2.4	2.0	2.0	1.8	2.0	3.3	4.8	7.5	54	4.6	2.5	1.8
4	2.4	2.0	2.1	1.8	2.0	3.0	4.2	5.6	43	4.5	2.5	1.8
5	2.2	1.9	2.5	1.7	2.0	2.9	4.2	5.6	36	4.4	2.5	2.7
6	2.2	2.0	2.1	1.6	2.0	2.8	4.0	5.9	35	4.2	2.5	2.0
7	2.3	1.9	2.1	1.6	2.0	2.7	3.9	5.3	35	3.9	2.4	1.9
8	2.8	1.9	2.1	1.6	2.0	2.5	3.8	6.5	24	3.7	2.4	1.8
9	2.4	2.0	2.0	1.6	1.9	2.3	3.8	5.3	8.4	3.7	2.4	1.6
10	2.2	2.0	2.0	1.6	1.8	2.2	4.0	5.5	8.0	3.6	2.4	1.8
11	2.1	1.9	1.9	1.6	1.7	2.9	4.5	6.0	8.0	3.5	2.3	1.8
12	2.2	2.8	1.9	1.6	1.7	2.3	5.1	5.7	7.6	3.5	2.2	1.8
13	2.2	2.1	1.9	1.6	1.8	3.4	5.4	6.7	8.4	3.5	2.3	1.6
14	2.2	2.1	1.9	1.6	1.8	2.9	5.4	5.8	24	3.3	2.2	1.8
15	3.0	2.0	1.9	1.6	1.8	2.2	6.5	9.2	26	3.2	2.2	1.6
16	2.8	2.0	1.9	1.6	1.8	2.6	7.6	10	19	3.2	2.2	1.6
17	2.4	1.9	1.9	1.6	2.1	2.4	8.4	10	11	3.1	2.1	1.6
18	2.3	1.9	1.9	1.6	1.9	3.2	8.4	10	7.7	3.1	2.1	1.6
19	2.2	1.9	1.9	1.6	2.0	2.4	8.4	9.9	7.1	3.1	2.1	1.6
20	2.2	1.9	1.9	1.6	2.1	2.6	8.0	10	7.0	3.0	2.1	1.6
21	2.1	1.9	1.9	1.6	2.0	2.4	7.2	12	6.6	3.0	2.1	1.6
22	2.1	2.0	1.9	1.6	2.0	2.4	6.8	13	5.9	3.0	2.1	1.6
23	2.1	2.0	1.9	1.7	2.3	2.4	6.5	21	5.4	2.9	2.1	1.6
24	2.1	2.1	1.9	1.9	2.0	2.5	6.4	61	5.1	2.8	2.1	1.6
25	2.0	2.0	1.9	2.0	2.1	2.4	6.5	67	4.9	2.8	2.0	1.6
26	2.2	2.0	1.9	2.1	3.0	3.3	6.8	53	4.8	2.8	2.0	1.6
27	2.1	2.0	1.9	1.9	2.9	3.5	7.0	48	4.7	2.8	2.0	1.6
28	2.1	2.0	1.9	1.9	3.3	3.2	6.3	52	4.5	2.7	2.0	1.6
29	2.0	2.0	1.8	1.9	---	3.7	5.9	51	4.4	2.7	2.0	1.6
30	2.0	2.1	1.8	2.0	---	4.3	5.6	50	4.4	2.7	2.0	1.6
31	2.0	---	1.8	2.0	---	3.8	---	50	---	2.7	1.9	---
TOTAL	70.5	60.3	60.6	53.5	58.0	88.8	173.4	619.1	486.9	105.0	68.9	51.6
MEAN	2.27	2.01	1.95	1.73	2.07	2.86	5.78	20.0	16.2	3.39	2.22	1.72
MAX	3.0	2.8	2.5	2.1	3.3	4.3	8.4	67	54	4.7	2.6	2.7
MIN	2.0	1.9	1.8	1.6	1.7	2.2	3.7	5.3	4.4	2.7	1.9	1.6
AC-FT	140	120	120	106	115	176	344	1230	966	208	137	102

CAL YR 1980 TOTAL 4606.5 MEAN 12.6 MAX 135 MIN 1.4 AC-FT 9140
WTR YR 1981 TOTAL 1896.6 MEAN 5.20 MAX 67 MIN 1.6 AC-FT 3760

TABLE 4.--Continued

10171600 PARLEYS CREEK AT SUICIDE ROCK. NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1979 to September 1981.

WATER-QUALITY DATA

		END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	ALKA- LINEITY LAB (MG/L AS CACO3)
OCT. 1980											
26...	1000	--	2.0	860	8.1	5.5	10.0	3	<1	<1	240
26...	1730	--	2.4	--	--	6.5	9.5	--	--	--	--
MAR. 1981											
26...	0615	--	2.5	1020	7.8	12.5	9.0	9	--	--	200
26-26	1000	1800	--	640	7.7	--	--	43	--	--	140
MAY											
19...	1900	--	10	610	7.5	--	5.0	19	--	--	200
20-20	0600	1700	--	610	7.8	--	--	27	--	--	190
SEPT.											
05...	1100	--	1.8	820	7.4	--	--	35	--	--	230
05-05	1200	2000	--	590	7.8	--	--	85	--	--	160
DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT. 1980											
26...	110	84	500	530	0	.92	.000	.010	.01	1.20	.58
26...	--	--	--	--	--	--	--	--	--	--	--
MAR. 1981											
26...	130	100	550	--	2	1.10	.000	.120	.15	.85	.09
26-26	68	79	381	--	204	.90	.020	.210	.27	.70	.22
MAY											
19...	53	59	367	--	3	.65	.010	.050	.06	.40	.06
20-20	52	59	374	--	48	.64	.010	.060	.08	.62	.10
SEPT.											
05...	100	81	526	--	75	.61	.160	.020	.03	.68	.00
05-05	60	54	352	--	528	.78	.040	<.070	.09	<.22	--
DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
OCT. 1980											
26...	.62	.61	1.5	.060	.070	1	3	8	0	12	<10
26...	--	--	--	--	--	--	--	--	--	--	--
MAR. 1981											
26...	.76	.64	1.9	.030	.020	<1	10	4	--	--	50
26-26	.48	.27	1.4	.180	.040	<1	30	32	28	4	20
MAY											
19...	.34	.29	1.0	.050	.030	<1	10	5	3	2	<10
20-20	.52	.46	1.2	.110	.040	<1	10	9	7	2	10
SEPT.											
05...	1.2	1.2	2.0	.070	.050	<1	0	10	1	9	<10
05-05	.66	--	1.5	.370	.040	<1	20	52	48	4	14
DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	
OCT. 1980											
26...	7	--	<10	20	5	15	.3	2.3	--	--	
26...	--	--	--	--	--	--	--	--	23	.15	
MAR. 1981											
26...	4	--	--	10	0	20	.1	2.8	--	--	
26-26	220	200	17	130	100	30	1.4	4.3	--	--	
MAY											
19...	5	1	4	10	3	7	--	8.4	--	--	
20-20	18	10	8	30	20	10	--	9.7	--	--	
SEPT.											
05...	15	0	21	40	10	27	.2	6.2	46	.22	
05-05	220	220	3	240	220	18	6.0	6.5	614	--	

TABLE 4.--Continued

10171600 PARLEYS CREEK AT SUICIDE ROCK, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)
OCT. 1980											
26...	1000	360	120	100	27	44	1.1	2.3	.1	13	90
				CADMIUM							
		BERYL- LIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	SUS- PENDE RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT. 1980											
26...	130	<1	0	0	<3	22	4	<10	0	1000	<6.0
				BOD OXYGEN DEMAND, BIOCHEM ULT. CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 BASE 10 PER DAY AT 20C	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)			
				END- ING TIME (2400 HOURS)							
				DATE	TIME						
MAR. 1981											
26...		0615	--	1.0	1.6	.21	.10	10			
26-26	1000	1800		3.6	6.0	.18	.08	30			
MAY											
19...	1900	--	1.8	3.0	.16	.06	10				
20-20	0600	1700	2.8	5.6	.15	.06	9				
SEPT.											
05...	1100	--	2.8	8.0	.08	.04	0				
05-05	1200	2000	4.8	12	.10	.04	19				
				IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	SUS- PENDE RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)			
				CHRO- MIUM, DIS- SOLVED (UG/L AS CR)							
MAR. 1981											
26...		0	60	10	.1	.1	.0				
26-26		0	2300	2300	.1	.1	.0				
MAY											
19...		0	200	--	.1	.1	.0				
20-20		1	1100	1100	.1	.1	.0				
SEPT.											
05...		2	1100	--	.1	.1	.0				
05-05		1	11000	11000	.1	.1	.0				

TABLE 4.--Continued

10172000 EMIGRATION CREEK NEAR SALT LAKE CITY, UTAH

LOCATION.--Lat 40°45'01", long 111°48'22", in NE¼SE¼NW¼ sec. 11, T.1 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on left bank at Pioneer Monument State Park, 1,600 ft (488 m) upstream from bridge on Wasatch Drive, and 4 mi (6 km) east of Salt Lake City.

DRAINAGE AREA.--18.4 mi² (47.7 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1900 to September 1960, October 1963 to September 1968, October 1979 to September 1981. Prior to July 1980 at site 2,100 ft (640 m) downstream at different datum. Monthly discharge only for some periods, published in WSP 1314 and 1734. Records for October 1960 to September 1963 and October 1968 to September 1979 in files of Salt Lake City Water Department.

GAGE.--Water-stage recorder. Altitude of gage is 4,950 ft (1,509 m) from topographic map.

REMARKS.--Records fair. No regulation. Water is diverted from Emigration Tunnel Springs 0.5 mi (0.8 km) upstream on left bank by pipeline for municipal water supply.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 156 ft³/s (4.42 m³/s) Apr. 26, 1952; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 17 ft³/s (0.481 m³/s) May 22; minimum daily, 0.49 ft³/s (0.014 m³/s) Aug. 26-28, 30, 31, Sept. 1-4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	2.0	1.5	1.2	.97	2.3	3.8	3.4	9.0	3.2	1.1	.49
2	1.0	2.0	1.6	1.2	.81	2.3	3.7	3.5	9.2	3.2	1.0	.49
3	1.2	2.0	1.7	1.2	.96	2.4	4.2	5.0	10	3.2	.94	.49
4	1.2	2.0	1.9	1.2	1.0	2.2	3.8	3.8	9.2	3.0	.83	.49
5	1.2	2.0	2.0	1.2	1.0	2.2	3.5	3.5	8.6	3.0	.82	.72
6	1.2	1.9	1.8	1.0	1.3	2.1	3.7	3.6	8.0	2.9	.80	.93
7	1.2	1.9	1.6	1.1	1.3	2.1	3.8	3.3	7.7	3.0	.71	.77
8	1.2	1.9	1.0	1.1	1.3	2.1	3.9	3.8	7.4	3.0	.63	.79
9	1.3	2.0	1.1	1.1	1.5	2.1	4.2	3.4	7.2	3.0	.67	.79
10	1.3	1.9	.96	1.1	1.5	2.1	4.9	3.3	6.9	3.2	.65	.76
11	1.4	1.9	.97	1.1	1.1	2.1	6.4	4.3	6.6	3.0	.85	.74
12	1.4	2.7	1.0	1.1	1.7	1.9	6.3	3.5	6.4	2.8	.78	.73
13	1.8	2.4	1.0	1.0	1.7	1.7	6.0	3.5	6.2	2.7	.68	.68
14	2.0	2.1	1.0	.98	1.7	1.5	6.0	3.1	6.4	2.4	.71	.68
15	3.3	1.7	1.0	1.0	1.7	1.5	6.5	4.9	6.4	2.4	.66	.68
16	3.8	1.4	1.0	.95	1.8	1.5	6.2	6.7	6.0	2.2	.59	.68
17	2.9	1.3	1.0	1.2	2.3	1.6	6.3	6.8	6.0	2.3	.60	.58
18	2.5	1.3	1.0	1.2	2.0	1.5	6.2	5.8	5.5	2.3	.56	.58
19	2.6	1.3	1.0	1.2	1.9	1.6	6.1	5.4	5.3	2.3	.58	.58
20	2.5	1.5	1.0	1.2	2.0	1.8	5.4	6.2	4.8	2.0	.57	.58
21	2.3	1.4	1.1	1.2	1.7	2.0	5.0	14	4.6	1.9	.61	.58
22	2.3	1.5	1.2	1.1	1.7	2.2	4.7	17	4.3	1.8	.64	.58
23	2.2	1.5	1.2	1.1	2.0	2.7	4.8	14	4.0	1.6	.58	.58
24	2.1	1.7	1.3	1.2	2.1	2.9	4.7	13	3.8	1.6	.59	.58
25	2.1	1.5	1.3	1.2	2.0	2.7	4.5	12	3.8	1.6	.57	.59
26	2.1	1.3	1.3	1.1	2.5	2.9	4.4	12	3.6	1.8	.49	.66
27	2.1	1.3	1.3	1.2	2.5	3.3	4.4	11	3.6	1.7	.49	.68
28	2.0	1.4	1.2	1.2	2.4	3.3	4.3	11	3.4	1.5	.49	.68
29	2.0	1.5	1.0	1.1	---	3.6	3.9	11	3.2	1.4	.50	.66
30	1.9	1.5	1.1	.99	---	5.0	3.7	9.8	3.2	1.2	.49	.59
31	2.0	---	1.1	.74	---	3.9	---	9.6	---	1.1	.49	---
TOTAL	59.1	51.8	38.23	34.46	46.44	73.1	145.3	221.2	180.3	72.3	20.67	19.41
MEAN	1.91	1.73	1.23	1.11	1.66	2.36	4.84	7.14	6.01	2.33	.67	.65
MAX	3.8	2.7	2.0	1.2	2.5	5.0	6.5	17	10	3.2	1.1	.93
MIN	1.0	1.3	.96	.74	.81	1.5	3.5	3.1	3.2	1.1	.49	.49
AC-FT	117	103	76	68	92	145	288	439	358	143	41	38

CAL YR 1980 TOTAL 2176.22 MEAN 5.95 MAX 45 MIN .72 AC-FT 4320
WTR YR 1981 TOTAL 962.31 MEAN 2.64 MAX 17 MIN .49 AC-FT 1910

NOTE.--No gage-height record May 30 to July 7.

TABLE 4.--Continued

10172000 EMIGRATION CREEK NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1980 to September 1981.

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE. AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	ALKA- LINEITY LAB (MG/L AS CACO3)
OCT. 1980											
26...	1100	--	2.1	870	7.9	3.5	7.0	5	<1	<1	--
30...	1330	--	2.1	--	--	5.5	7.0	--	--	--	--
30...	1525	--	2.4	--	--	--	--	--	--	--	--
MAR. 1981											
26...	0645	--	2.6	910	7.8	12.0	6.5	11	--	--	230
26-26	1200	1600	--	800	8.0	--	--	11	--	--	230
MAY											
19...	1930	--	5.4	720	8.2	--	5.0	20	--	--	250
20-20	0700	2000	--	700	7.8	--	--	34	--	--	210
SEPT.											
05...	1115	--	.76	810	7.9	24.0	20.0	35	--	--	230
05-05	1230	1600	--	880	8.1	--	--	37	--	--	210
OCT. 1980											
26...	100	72	523	521	22	.26	.000	.080	.10	1.80	1.4
30...	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
MAR. 1981											
26...	83	95	506	--	22	.19	.010	.110	.14	.34	.00
26-26	76	86	500	--	37	.22	.010	.100	.13	.46	.00
MAY											
19...	65	61	468	--	93	.17	.000	.070	.09	.85	.38
20-20	63	60	441	--	13	.22	.020	.100	.13	.97	.27
SEPT.											
05...	130	47	518	--	6	.20	.130	.030	.04	.58	.00
05-05	160	55	585	--	5	.53	.020	<.070	.09	.39	.00
OCT. 1980											
26...	.36	.28	.62	.120	.070	1	2	10	--	<10	13
30...	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
MAR. 1981											
26...	.39	.28	.59	.050	.030	<1	20	2	0	4	10
26-26	.48	.38	.71	.070	.030	<1	20	8	6	2	10
MAY											
19...	.47	.40	.64	.190	.060	<1	10	7	7	0	<10
20-20	.70	.60	.94	.200	.060	<1	20	8	6	2	<10
SEPT.											
05...	.90	.87	1.2	.070	.040	<1	0	8	2	6	<10
05-05	.46	--	1.0	.020	.030	<1	10	6	2	4	<10

TABLE 4.--Continued

10172000 EMIGRATION CREEK NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)		
OCT. 1980												
26...	8	--	<10	20	10	9	.3	8.8	--	--		
30...	--	--	--	--	--	--	--	--	22	.12		
30...	--	--	--	--	--	--	--	--	52	.34		
MAR. 1981												
26...	0	0	0	20	20	5	.2	4.3	--	--		
26-26	6	6	0	20	20	5	.2	4.3	--	--		
MAY												
19...	6	0	6	40	20	20	1.3	7.6	170	2.5		
20-20	5	1	4	30	30	4	--	48	--	--		
SEPT.												
05...	15	13	2	50	40	14	.3	3.3	75	.15		
05-05	5	0	12	40	30	15	.2	2.3	48	--		
DATE	TIME	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	
OCT. 1980												
26...	1100	380	120	107	26	41	1.0	2.0	.2	14	150	
DATE	TIME	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT. 1980												
26...	100	<1	1	0	<3	17	3	<10	0	930	<6.0	
DATE	TIME	BOD OXYGEN DEMAND, BIOCHEM ULT. CARBON. 5 DAY ACEOUS (MG/L)	END- ING TIME (2400 HOURS)	TUR- BID- ITY (FTU)	OXYGEN DEMAND, BIOCHEM ULT. CARBON. 5 DAY ACEOUS (MG/L)	DEOXYGE NATION CARRON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARRON K1 TO BASE 10 PER DAY AT 20C	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)				
MAR. 1981												
26...	0645	--	--	--	1.0	5.0	.04	.02	--	--		
26-26	1200	1600	--	--	--	--	--	--	--	--		
MAY												
19...	1930	--	40	--	1.6	4.4	.10	.04	--	--		
20-20	0700	2000	--	--	2.4	4.8	.13	.06	--	--		
SEPT.												
05...	1115	--	--	--	1.4	12	.02	.02	--	--		
05-05	1230	1600	--	--	.8	3.4	.06	.02	.020	--		
DATE	TIME	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)				
MAP. 1981												
26...		20	0	330	320	.2	.1	.1				
26-26		20	0	550	540	.1	.1	.0				
MAY												
19...		10	0	1800	--	.1	.1	.0				
20-20		20	0	2200	--	.1	.1	.0				
SEPT.												
05...		0	3	500	--	.0	.0	.0				
05-05		9	1	160	--	.0	.0	.0				

TABLE 4.--Continued

10172220 RED BUTTE CREEK BELOW RESERVOIR, NEAR SALT LAKE CITY, UTAH

LOCATION.--Lat 40°46'30", long 111°48'54", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T.1 N., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on right bank 0.3 mi (0.5 km) below spillway of reservoir, 0.9 mi (1.4 km) northeast of Fort Douglas, and 4 mi (6 km) northeast of Salt Lake City.

DRAINAGE AREA.--7.95 mi² (20.59 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to September 1968, December 1979 to September 1981. Records for 1942 to 1963 in files of Post Engineer, Corps of Engineers, Fort Douglas.

GAGE.--Water-stage recorder and concrete Parshall flume. Altitude of gage is 5,200 ft (1,585 m) from topographic map.

REMARKS.--Records fair except for winter months, which are poor. Flow affected by Red Butte Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47 ft³/s (1.33 m³/s) was measured May 1, 1952; no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10 ft³/s (0.283 m³/s) May 21, 22, gage height, 1.17 ft (0.357 m); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.67	1.2	1.3	1.5	3.2	1.1	4.0	.48	.16	.00
2	.00	.00	.75	1.2	1.3	1.5	3.2	1.1	4.5	.50	.15	.00
3	.00	.00	.94	1.2	1.3	1.5	3.3	2.2	5.0	.48	.15	.00
4	.00	.00	1.2	1.2	1.3	1.7	3.0	1.4	4.2	.46	.12	.00
5	.00	.00	1.2	1.2	1.3	1.5	2.8	1.4	3.7	.44	.11	.00
6	.00	.00	1.2	1.2	1.3	1.4	2.8	1.5	3.5	.44	.09	.00
7	.00	.00	1.2	1.2	1.3	1.5	2.9	1.3	3.3	.44	.07	.00
8	.00	.00	1.2	1.2	1.3	1.4	2.9	1.8	3.1	.41	.07	.00
9	.00	.00	1.2	1.2	1.3	1.4	2.9	1.4	3.0	.40	.05	.00
10	.00	.00	1.2	1.2	1.3	1.4	3.3	1.2	2.8	.40	.05	.00
11	.00	.00	1.2	1.2	1.3	1.4	3.7	2.0	2.6	.40	.02	.00
12	.00	.00	1.2	1.2	1.3	1.3	3.6	1.4	2.4	.38	.02	.00
13	.00	.00	1.2	1.2	1.3	1.4	3.6	1.3	2.5	.37	.00	.00
14	.00	.10	1.2	1.2	1.3	1.4	3.0	1.1	3.3	.37	.00	.00
15	.00	.10	1.2	1.2	1.3	1.4	2.2	2.7	2.6	.34	.00	.00
16	.00	.10	1.2	1.2	1.3	1.7	2.1	3.7	2.2	.33	.00	.00
17	.00	.20	1.2	1.2	1.3	1.8	2.6	4.1	2.0	.33	.00	.00
18	.00	.20	1.2	1.2	1.3	1.5	2.9	3.8	1.9	.33	.00	.00
19	.00	.26	1.2	1.2	1.3	1.5	3.2	3.6	1.8	.30	.00	.00
20	.00	.26	1.2	1.2	1.3	2.0	2.8	4.4	1.7	.29	.00	.00
21	.00	.26	1.2	1.2	1.3	1.6	2.6	7.9	1.6	.29	.00	.00
22	.00	.31	1.2	1.2	1.3	1.7	2.3	9.7	1.5	.27	.00	.00
23	.00	.34	1.2	1.2	1.3	2.0	2.1	8.3	1.3	.26	.00	.00
24	.00	.39	1.2	1.2	1.3	2.3	2.0	7.1	1.1	.26	.00	.00
25	.00	.38	1.2	1.2	1.3	2.1	1.9	6.6	.71	.25	.00	.00
26	.00	.42	1.2	1.2	1.5	2.5	1.7	6.4	.60	.22	.00	.00
27	.00	.46	1.2	1.2	1.6	2.9	1.8	6.1	.55	.22	.00	.00
28	.00	.52	1.2	1.2	1.7	2.5	1.6	5.6	.52	.20	.00	.00
29	.00	.57	1.2	1.2	---	3.2	1.4	5.1	.52	.18	.00	.00
30	.00	.64	1.2	1.2	---	4.1	1.2	4.7	.49	.18	.00	.00
31	.00	---	1.2	1.2	---	3.4	---	4.5	---	.18	.00	---
TOTAL	.00	5.51	35.96	37.2	37.3	58.5	78.6	114.5	68.99	10.40	1.06	.00
MEAN	.000	.18	1.16	1.20	1.33	1.89	2.62	3.69	2.30	.34	.034	.000
MAX	.00	.64	1.2	1.2	1.7	4.1	3.7	9.7	5.0	.50	.16	.00
MIN	.00	.00	.67	1.2	1.3	1.3	1.2	1.1	.49	.18	.00	.00
AC-FT	.00	11	71	74	74	116	156	227	137	21	2.1	.00

CAL YR 1980 TOTAL 805.77 MEAN 2.20 MAX 14 MIN .00 AC-FT 1600
WTR YR 1981 TOTAL 448.02 MEAN 1.23 MAX 9.7 MIN .00 AC-FT 889

NOTE.--No gage-height record Dec. 9 to Feb. 27.

TABLE 4.--Continued

10172220 RED BUTTE CREEK BELOW RESERVOIR, NEAR SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1980 to September 1981.

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	ALKA- LITY LAB (MG/L AS CACO3)
OCT. 1980											
26...	1415	--	.01	700	8.0	4.0	5.5	5	<1	<1	--
MAR. 1981											
26-26	1200	1700	--	680	8.0	--	--	10	--	--	220
MAY											
19...	1820	--	3.4	540	8.3	--	12.0	18	--	--	190
20-20	0815	1130	--	540	8.1	--	--	19	--	--	210
DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)
OCT. 1980											
26...	120	21	458	426	0	.00	.000	.050	.06	.81	
MAR. 1981											
26-26	120	12	374	--	7	.11	.000	.080	.10	.45	
MAY											
19...	86	3.7	332	--	26	.03	.000	.110	.14	.55	
20-20	86	7.2	356	--	14	.00	.010	.040	.05	.35	
DATE	TIME	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)
OCT. 1980											
26...	.41	.40	.35	.40	.120	.060	<1	0	8	--	
MAR. 1981											
26-26	.00	.49	.41	.60	.060	.030	<1	10	10	0	
MAY											
19...	.28	.27	.16	.30	.060	.020	<1	10	45	23	
20-20	.00	.36	.32	.36	.060	.080	<1	10	44	24	
DATE	TIME	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)
OCT. 1980											
26...	<10	45	4	--	<10	20	10	9	.3	3.2	
MAR. 1981											
26-26	10	140	1	0	1	20	10	6	.1	3.0	
MAY											
19...	22	<10	3	0	6	10	7	3	--	12	
20-20	20	<10	3	0	4	0	0	5	--	5.0	
DATE	TIME	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)
OCT. 1980											
26...	1415	340	110	85	30	19	.5	1.3	.1	11	50

TABLE 4.--Continued

10172220 RED BUTTE CREEK BELOW RESERVOIR, NEAR SALT LAKE CITY. UTAH--Continued

WATER-QUALITY DATA										
DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT. 1980 26...	90	<1	1	<3	13	7	<10	0	600	<6.0
				BOD OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C	CHRO- MIUM, SUS- PENDE D RECOV. (UG/L AS CR)		
	DATE	TIME	END- ING TIME (2400 HOURS)							
MAR. 1981 26-26		1200	1700	2.4	4.8	.13	.06	10		
MAY 19...		1820	--	1.8	3.6	.14	.06	10		
20-20		0815	1130	3.2	4.8	.22	.10	10		
				IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE D RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE D RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)		
	DATE									
MAR. 1981 26-26			0	230	90	.0	.0	.1		
MAY 19...			0	240	--	.1	.1	.0		
20-20			0	300	--	.1	.1	.0		

TABLE 4.--Continued

10172350 THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH

LOCATION.--Lat 40°44'30", long 111°55'01", in SW¼SW¼SE¼ sec.11, T.1 S., R.1 W., Salt Lake County, Hydrologic Unit 16020204, on right bank at Jordan River, 160 ft (49 m) west of intersection of 900 West and 1300 South in Salt Lake City.

DRAINAGE AREA.--96 mi² (249 km²) approximately.

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Velocity modified flow meter. Altitude of gage is 4,225 ft (1,288 m) from topographic map.

REMARKS.--Records fair. This station consists of two parallel conduits. Flow is collected from Red Butte Creek, Emigration Creek, Parleys Creek, Jordan and Salt Lake City Canal, and the storm-drain system. Regulation and diversion are controlled at 1300 South Street and 500 East Street, at 1300 South Street and 700 East Street, and at 1300 South Street and State Street. Each conduit is monitored individually for water quality and quantity. The South Conduit is identified as 10172351 and the North Conduit as 10172352. Combined discharge is identified as 10172350.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 265 ft³/s (7.50 m³/s), May 3; minimum daily, 6.9 ft³/s (0.20 m³/s), Sept. 20.

COMBINED DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	8.4	8.7	8.7	11	9.6	16	27	64	17	22	13
2	8.7	8.4	8.7	8.7	11	9.6	18	40	64	20	19	15
3	8.7	8.7	8.7	8.7	9.6	21	20	73	106	28	17	15
4	8.7	8.7	8.7	14	9.6	9.6	14	40	66	21	16	16
5	8.7	8.7	9.6	13	9.6	8.8	14	38	59	21	17	27
6	8.7	8.4	9.3	11	9.6	8.8	14	40	54	25	20	17
7	9.5	8.4	8.7	10	9.6	8.8	16	40	55	19	24	12
8	8.7	8.4	9.0	8.7	9.6	8.8	13	74	49	17	22	15
9	8.7	8.4	9.8	8.7	9.6	8.8	13	37	33	17	19	16
10	8.7	8.4	9.8	8.7	9.6	8.2	13	36	34	19	27	16
11	8.7	8.4	9.5	8.7	9.6	7.9	19	49	35	19	26	17
12	12	13	8.7	8.7	9.6	7.9	15	37	38	19	19	17
13	10	8.7	8.7	8.7	9.6	7.9	27	43	36	19	19	15
14	12	13	8.7	9.5	9.3	7.9	29	41	56	19	19	12
15	27	9.8	8.7	9.5	8.7	7.9	26	79	46	19	19	11
16	24	9.5	9.0	9.5	9.0	12	18	85	31	19	19	12
17	7.9	8.7	8.7	9.5	11	8.3	22	50	26	19	17	12
18	7.9	8.7	8.7	9.5	9.3	7.4	29	40	25	17	16	13
19	8.7	9.5	8.7	9.5	8.7	7.1	29	39	23	17	17	8.5
20	8.7	9.5	8.7	9.5	9.9	27	27	46	22	17	17	6.9
21	9.5	8.4	9.3	9.5	8.7	7.7	26	69	23	17	21	11
22	9.5	8.4	9.3	9.5	8.7	7.7	24	52	23	17	21	11
23	8.7	8.7	9.3	9.5	9.3	8.8	22	53	19	17	21	13
24	8.7	9.5	8.7	11	9.3	13	24	74	23	16	22	15
25	8.7	8.7	8.7	8.7	9.0	7.9	24	85	21	16	23	15
26	13	8.7	8.7	9.0	24	34	24	79	22	27	19	8.5
27	9.5	8.7	8.7	8.7	16	36	28	79	15	22	15	9.3
28	9.5	8.7	8.7	8.7	9.6	19	28	75	15	19	17	13
29	8.7	8.7	8.7	10	---	25	25	74	17	19	20	13
30	8.7	8.7	8.7	16	---	24	22	74	16	17	17	13
31	8.7	---	8.7	11	---	16	---	74	---	20	16	---
TOTAL	317.9	270.9	276.6	304.4	288.1	402.4	639	1742	1116	595	603	408.2
MEAN	10.3	9.03	8.92	9.82	10.3	13.0	21.3	56.2	37.2	19.2	19.5	13.6
MAX	27	13	9.8	16	24	36	29	85	106	28	27	27
MIN	7.9	8.4	8.7	8.7	8.7	7.1	13	27	15	16	15	6.9

WTR YR 1981 TOTAL 6963.5 MEAN 19.1 MAX 106 MIN 6.9

TABLE 4.--Continued

10172350 THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

10172351 SOUTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Velocity modified flow meter. Altitude of gage is 4,225 ft (1.288 m) from topographic map.

REMARKS.--Records fair. Flow affected by upstream reservoirs and detention basins.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 78 ft³/s (2.21 m³/s) May 3; minimum daily, 2.2 ft³/s (0.06 m³/s) Oct. 31.
Nov. 1, 2, 5-11, 21.DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.2	2.5	2.5	4.6	3.4	4.6	7.0	18	4.6	6.2	3.9
2	2.5	2.2	2.5	2.5	4.6	3.4	6.2	7.7	18	8.0	5.4	3.9
3	2.5	2.5	2.5	2.5	3.4	9.6	6.2	26	30	7.7	4.6	3.9
4	2.5	2.5	2.5	3.7	3.4	3.7	4.6	9.3	20	5.4	4.6	3.9
5	2.5	2.2	3.4	3.4	3.4	3.4	4.6	9.3	17	5.4	5.4	7.6
6	2.5	2.2	3.1	2.8	3.4	3.4	4.6	11	15	8.0	6.2	6.2
7	2.5	2.2	2.5	2.5	3.4	3.4	4.6	9.3	15	4.6	7.0	4.6
8	2.5	2.2	2.8	2.5	3.4	3.4	3.9	14	13	4.6	6.2	5.4
9	2.5	2.2	2.8	2.5	3.4	3.4	3.9	7.7	10	4.6	5.4	4.6
10	2.5	2.2	2.8	2.5	3.4	2.8	3.9	7.4	7.7	5.4	7.0	3.9
11	2.5	2.2	2.5	2.5	3.4	2.5	7.0	12	9.3	5.4	7.0	4.6
12	3.7	5.6	2.5	2.5	3.4	2.5	5.4	8.4	10	5.4	4.6	4.6
13	3.4	2.5	2.5	2.5	3.4	2.5	8.4	9.3	7.0	5.4	4.6	3.9
14	3.1	3.4	2.5	2.5	3.1	2.5	12	7.7	16	5.4	5.4	3.1
15	7.7	2.8	2.5	2.5	2.5	2.5	10	26	15	5.4	5.4	3.1
16	12	2.5	2.8	2.5	2.8	6.0	7.0	26	11	5.4	5.4	3.9
17	2.5	2.5	2.5	2.5	4.3	3.7	7.7	13	9.3	5.4	4.6	3.9
18	2.5	2.5	2.5	2.5	3.1	2.8	10	8.4	7.7	5.4	4.6	3.9
19	2.5	2.5	2.5	2.5	2.5	2.5	11	8.4	7.0	5.4	4.6	2.3
20	2.5	2.5	2.5	2.5	3.7	6.0	10	14	5.4	5.4	4.6	2.3
21	2.5	2.2	3.1	2.5	2.5	3.1	9.3	24	6.2	4.6	5.4	3.9
22	2.5	2.5	3.1	2.5	2.5	3.1	8.4	15	6.2	5.4	5.4	3.9
23	2.5	2.5	3.1	2.5	3.1	3.4	8.4	16	5.4	5.4	5.4	3.9
24	2.5	2.5	2.5	3.1	3.1	3.4	8.4	28	6.2	5.4	5.4	3.9
25	2.5	2.5	2.5	2.5	2.8	2.8	8.4	31	5.4	3.9	6.2	3.9
26	3.4	2.5	2.5	2.8	12	12	8.4	26	5.4	7.7	4.6	2.3
27	2.5	2.5	2.5	2.5	7.1	14	9.3	26	3.9	6.2	3.9	3.1
28	2.5	2.5	2.5	2.5	3.4	7.0	9.3	24	3.9	5.4	4.6	3.9
29	2.5	2.5	2.5	3.4	---	8.4	7.7	23	5.4	5.4	6.2	3.9
30	2.5	2.5	2.5	5.9	---	12	6.2	23	4.6	5.4	4.6	3.9
31	2.2	---	2.5	4.3	---	4.6	---	22	---	6.2	4.6	---
TOTAL	95.5	76.3	82.0	86.9	105.1	147.2	219.4	499.9	314.0	173.3	165.1	120.1
MEAN	3.08	2.54	2.65	2.80	3.75	4.75	7.31	16.1	10.5	5.59	5.33	4.00
MAX	12	5.6	3.4	5.9	12	14	12	31	30	8.0	7.0	7.6
MIN	2.2	2.2	2.5	2.5	2.5	2.5	3.9	7.0	3.9	3.9	3.9	2.3
AC-FT	189	151	163	172	208	292	435	992	623	344	327	238

WTR YR 1981 TOTAL 2084.8 MEAN 5.71 MAX 31 MIN 2.2 AC-FT 4140

TABLE 4.--Continued

10172350 THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

10172351 SOUTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1980 to September 1981.

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT. 1980											
26...	1000	--	2.5	--	--	--	--	--	--	--	--
26...	1100	--	2.5	1430	8.3	12	K200	K500	240	130	84
26...	1300	--	3.4	405	8.0	160	K1400	27000	65	37	22
26...	1600	--	12	--	--	--	--	--	--	--	--
26...	1900	--	4.3	560	7.9	73	K1600	22000	110	49	29
MAR. 1981											
26...	1015	--	3.0	1010	8.1	16	--	--	250	160	84
26-26	1100	1830	--	400	7.4	88	--	--	92	44	39
MAY											
10...	2150	--	6.2	600	7.3	96	--	--	120	87	73
10-11	2230	1200	--	425	7.1	77	--	--	94	58	50
19...	1810	--	8.4	810	8.0	14	--	--	200	160	60
20-20	0700	2000	--	580	7.6	37	--	--	150	93	41
SEPT.											
05...	0620	--	4.5	1330	7.9	900	--	--	170	220	220
05-05	1300	2100	--	560	7.5	130	--	--	90	75	68

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)
OCT. 1980										
26...	--	--	--	--	--	--	--	--	--	--
26...	607	573	13	2.00	.020	.170	.22	1.20	.20	1.0
26...	183	164	77	1.10	.130	.530	.68	2.80	.90	1.9
26...	--	--	--	--	--	--	--	--	--	--
26...	235	234	22	.90	.060	.180	.23	1.30	.20	1.1
MAR. 1981										
26...	635	--	2	1.70	.020	.080	.10	1.40	.30	1.1
26-26	228	--	139	.95	.050	.350	.45	2.00	.60	1.4
MAY										
10...	369	--	1	.79	.050	.340	.44	2.00	.90	1.1
10-11	254	--	108	.44	.020	.160	.21	1.50	.74	.76
19...	529	--	13	.74	.000	.070	.09	.87	.17	.70
20-20	367	--	49	.88	.020	.210	.27	1.10	.41	.69
SEPT.										
05...	867	--	50	.25	.020	.160	.21	2.40	1.4	1.0
05-05	336	--	273	.23	.050	.290	.37	3.70	2.5	1.2

DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
OCT. 1980										
26...	--	--	--	--	--	--	--	--	--	--
26...	.83	3.0	.230	.120	<1	5	6	--	<10	<10
26...	1.4	3.1	.460	.200	2	14	48	10	38	92
26...	--	--	--	--	--	--	--	--	--	--
26...	.92	2.1	.330	.120	<1	10	19	0	19	80
MAR. 1981										
26...	1.0	2.8	.150	.120	<1	20	4	2	2	10
26-26	1.1	2.4	.450	.140	<1	30	50	44	6	20
MAY										
10...	.76	1.9	.390	.180	0	20	50	41	9	80
10-11	.60	1.2	.320	.110	<1	10	26	21	5	30
19...	.63	1.4	.060	.040	<1	10	6	4	2	<10
20-20	.48	1.6	.120	.040	1	10	13	5	8	20
SEPT.										
05...	.84	1.3	.000	.010	<1	0	15	--	--	23
05-05	.91	1.5	.560	.050	<1	20	90	85	5	56

K Results based on colony count outside acceptable range (non-ideal colony count).

TABLE 4.--Continued

10172350 THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

10172351 SOUTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

		LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	
OCT. 1980												
26...		--	--	--	--	--	--	--	--	46	.31	
26...		12	--	<10	30	20	11	.3	13	--	--	
26...		220	190	33	300	80	220	2.1	30	--	--	
26...		--	--	--	--	--	--	--	--	92	3.0	
26...		72	55	17	110	70	42	1.7	16	--	--	
MAR. 1981												
26...		6	0	6	20	10	10	1.4	3.6	--	--	
26-26		210	210	2	220	190	30	2.9	8.7	--	--	
MAY												
10...		230	220	15	230	180	50	5.7	20	--	--	
10-11		130	110	19	100	80	20	3.9	11	--	--	
19...		3	0	6	20	0	30	.3	3.0	12	.27	
20-20		43	39	4	80	20	60	1.1	8.4	78	--	
SEPT.												
05...		42	--	--	80	40	43	3.1	14	170	2.1	
05-05		280	270	6	330	300	28	3.5	13	390	--	
DATE		TIME	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)
OCT. 1980												
26...		1100	370	130	97	31	57	1.4	4.0	.2	15	200
26...		1300	95	30	28	5.9	17	.8	2.1	.3	6.5	690
26...		1900	150	38	41	11	21	.8	4.1	.2	7.4	470
CADIUM												
DATE		BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT. 1980												
26...		80	<1	0	--	<3	34	8	<10	0	1100	<6.0
26...		50	<1	2	0	<3	11	28	10	0	220	<6.0
26...		70	<1	1	--	<3	13	21	<10	0	360	<6.0

TABLE 4.--Continued

10172350 THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

10172351 SOUTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	TUR- BID- ITY (FTU)	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C	PHOS- PHORUS, ORTHO. DIS- SOLVED (MG/L AS P)
MAR. 1981								
26...	1015	--	--	12	19	.20	.08	--
26-26	1100	1830	--	12	19	.20	.08	--
MAY								
10...	2150	--	--	24	47	.15	.06	.120
10-11	2230	1200	46	6.6	11	.18	.08	--
19...	1810	--	6.0	2.1	5.2	.11	.04	--
20-20	0700	2000	24	4.8	8.6	.16	.08	--
SEPT.								
05...	0620	--	--	--	--	--	--	--
05-05	1300	2100	--	13	48	.06	.02	--

DATE	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
MAR. 1981							
26...	20	0	70	60	.3	.3	.0
26-26	30	0	3500	3500	.0	.0	.0
MAY							
10...	20	0	2800	2700	.7	.7	.0
10-11	10	0	2400	2400	.1	.0	.1
19...	3	7	170	--	.2	.2	.0
20-20	10	0	1000	980	.1	.1	.0
SEPT.							
05...	0	3	1400	1400	.1	.1	.0
05-05	19	1	7300	7200	.1	.1	.0

DATE	TIME	END- ING TIME (2400 HOURS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CYANIDE TOTAL (MG/L AS CN)
MAY 1981					
10...	2150	--	--	200	--
20-20	0700	2000	10	--	.00

TABLE 4.--Continued

10172350 THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

10172352 NORTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Velocity modified flow meter. Altitude of gage is 4,225 ft (1,288 m) from topographic map.

REMARKS.--Records fair. Flow affected by upstream reservoirs and detention basins.

EXTREMES FOR CURRENT YEAR.--Maximum discharge. 195 ft³/s (5.52 m³/s) May 3; minimum daily. 4.6 ft³/s (0.13 m³/s) Mar. 17-19, 21, 22, Sept. 20.DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	6.2	6.2	6.2	6.2	6.2	11	20	46	12	16	9.3
2	6.2	6.2	6.2	6.2	6.2	6.2	12	32	46	22	14	11
3	6.2	6.2	6.2	6.2	6.2	11	14	57	76	20	12	11
4	6.2	6.2	6.2	10	6.2	5.4	9.3	31	46	16	11	12
5	6.2	6.2	6.2	9.3	6.2	5.4	9.3	29	42	16	12	19
6	6.2	6.2	6.2	7.7	6.2	5.4	9.3	29	39	17	14	11
7	7.0	6.2	6.2	7.7	6.2	5.4	11	31	40	14	17	7.7
8	6.2	6.2	6.2	6.2	6.2	5.4	9.3	60	36	12	16	9.3
9	6.2	6.2	7.0	6.2	6.2	5.4	9.3	29	23	12	14	11
10	6.2	6.2	7.0	6.2	6.2	5.4	9.3	29	26	14	20	12
11	6.2	6.2	7.0	6.2	6.2	5.4	12	37	26	14	19	12
12	8.4	7.7	6.2	6.2	6.2	5.4	9.3	29	28	14	14	12
13	7.0	6.2	6.2	6.2	6.2	5.4	19	34	19	14	14	11
14	8.4	9.3	6.2	7.0	6.2	5.4	17	34	40	14	14	9.3
15	19	7.0	6.2	7.0	6.2	5.4	16	53	31	14	14	7.7
16	12	7.0	6.2	7.0	6.2	6.2	11	59	20	14	14	7.7
17	5.4	6.2	6.2	7.0	7.0	4.6	14	37	17	14	12	7.7
18	5.4	6.2	6.2	7.0	6.2	4.6	19	32	17	12	11	9.3
19	6.2	7.0	6.2	7.0	6.2	4.6	19	31	16	12	12	6.2
20	6.2	7.0	6.2	7.0	6.2	21	17	32	17	12	12	4.6
21	7.0	6.2	6.2	7.0	6.2	4.6	17	45	17	12	16	7.7
22	7.0	6.2	6.2	7.0	6.2	4.6	16	37	17	12	16	7.7
23	6.2	6.2	6.2	7.0	6.2	5.4	14	37	14	12	16	9.3
24	6.2	7.0	6.2	7.7	6.2	10	16	46	17	11	17	11
25	6.2	6.2	6.2	6.2	6.2	5.4	16	54	16	12	17	11
26	9.3	6.2	6.2	6.2	12	22	16	53	17	19	14	6.2
27	7.0	6.2	6.2	6.2	9.3	22	19	53	11	16	11	6.2
28	7.0	6.2	6.2	6.2	6.2	12	19	51	11	14	12	9.3
29	6.2	6.2	6.2	7.0	---	17	17	51	12	14	14	9.3
30	6.2	6.2	6.2	10	---	12	16	51	11	12	12	9.3
31	6.2	---	6.2	6.2	---	11	---	51	---	14	11	---
TOTAL	221.5	194.6	194.6	216.2	183.3	255.2	423.1	1254	794	437	438	287.8
MEAN	7.15	6.49	6.28	6.97	6.55	8.23	14.1	40.5	26.5	14.1	14.1	9.59
MAX	19	9.3	7.0	10	12	22	19	60	76	22	20	19
MIN	5.4	6.2	6.2	6.2	6.2	4.6	9.3	20	11	11	11	4.6
AC-FT	439	386	386	429	364	506	839	2490	1570	867	869	571

WTR YR 1981 TOTAL 4899.3 MEAN 13.4 MAX 76 MIN 4.6 AC-FT 9720

TABLE 4.--Continued

10172350 THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

10172352 NORTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1980 to September 1981.

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	ALKA- LINEITY LAB (MG/L AS CAC03)
OCT. 1980											
26...	1000	--	7.0	--	--	--	--	--	--	--	--
26...	1100	--	7.0	1250	8.1	--	--	7	<1	K300	260
26...	1600	--	11	670	7.9	--	--	84	<1	35000	130
26...	1700	--	8.4	--	--	--	--	--	--	--	--
26...	2000	--	7.7	840	7.9	--	--	70	K200	15000	160
MAR. 1981											
26...	1015	--	9.2	880	8.0	--	--	9	--	--	220
26-26	1100	1830	--	420	7.2	--	--	69	--	--	120
MAY											
10...	2150	--	29	490	7.3	--	--	110	--	--	110
10-11	2230	1200	--	335	7.0	--	--	120	--	--	83
19...	1810	--	29	760	7.9	21.0	16.5	15	--	--	210
20...	1015	--	34	--	--	--	--	--	--	--	--
20-20	0700	2000	--	540	7.9	--	--	34	--	--	150
SEPT.											
05...	0620	--	12	1310	8.1	--	--	81	--	--	190
05-05	1300	2100	--	520	7.4	--	--	180	--	--	110
DATE	SULFATE AS SO4	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT. 1980											
26...	--	--	--	--	--	--	--	--	--	--	--
26...	120	81	525	565	9	1.60	.050	.310	.40	1.80	.60
26...	55	35	287	274	36	1.10	.070	.100	.13	1.80	.70
26...	--	--	--	--	--	--	--	--	--	--	--
26...	69	46	356	341	24	1.40	.070	.070	.09	3.50	2.4
MAR. 1981											
26...	140	72	531	--	4	1.20	.010	.030	.04	.56	.00
26-26	59	45	315	--	376	1.20	.040	.340	.44	2.00	.80
MAY											
10...	67	48	308	--	150	.70	.050	.390	.50	2.60	.30
10-11	43	29	204	--	472	.41	.020	.090	.12	2.80	2.0
19...	130	53	498	--	22	.67	.000	.100	.13	.62	.02
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	75	34	331	--	114	.66	.020	.190	.24	1.00	.27
SEPT.											
05...	220	220	850	--	60	.49	.010	.170	.22	2.00	1.0
05-05	63	55	327	--	422	.21	.030	.220	.28	5.00	4.0

K Results based on colony count outside acceptable range (non-ideal count).

TABLE 4.--Continued

10172350 THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

10172352 NORTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
OCT. 1980											
26...	--	--	--	--	--	--	--	--	--	--	--
26...	1.2	.89	2.8	.110	.070	<1	5	5	--	<10	11
26...	1.1	1.0	2.3	.380	.170	2	10	19	0	20	77
26...	--	--	--	--	--	--	--	--	--	--	--
26...	1.1	1.0	2.6	.290	.170	2	3	15	0	20	65
MAR. 1981											
26...	.62	.59	1.8	.030	.020	<1	20	5	3	2	10
26-26	1.2	.86	2.4	.400	.090	<1	20	34	26	8	40
MAY											
10...	2.3	1.9	3.1	.500	.140	0	10	36	28	8	60
10-11	.77	.68	1.2	.530	.100	6	20	46	42	4	--
19...	.60	.50	1.3	.080	.030	<1	10	7	5	2	20
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	.73	.54	1.4	.210	.050	<1	20	16	12	4	30
SEPT.											
05...	1.0	.83	1.5	.150	.020	<1	0	17	--	--	12
05-05	1.0	.78	1.2	.870	.060	<1	20	70	67	3	120

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT. 1980										
26...	--	--	--	--	--	--	--	--	21	.40
26...	10	--	<10	30	20	8	.4	6.1	--	--
26...	85	52	33	90	50	39	1.2	30	--	--
26...	--	--	--	--	--	--	--	--	40	.91
26...	44	27	17	50	0	130	.8	22	--	--
MAR. 1981										
26...	10	4	6	310	310	5	.2	5.5	--	--
26-26	170	170	2	150	120	30	>4.0	7.8	--	--
MAY										
10...	200	180	20	190	150	40	11	18	428	34
10-11	260	240	19	190	--	--	23	89	768	--
19...	7	5	2	30	10	20	.5	3.9	29	2.3
20...	--	--	--	--	--	--	--	--	154	14
20-20	44	40	4	80	40	40	1.8	6.9	176	--
SEPT.										
05...	25	--	--	40	20	17	2.8	9.3	186	6.0
05-05	380	370	8	320	300	20	17	12	718	--

DATE	TIME	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)
OCT. 1980											
26...	1100	370	110	100	29	54	1.3	2.7	.2	14	140
26...	1600	180	46	49	13	24	.8	5.7	.2	7.9	560
26...	2000	220	58	59	17	32	1.0	3.1	.2	11	330

DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT. 1980											
26...	80	<1	1	--	<3	22	5	<10	0	910	<6.0
26...	60	<1	2	0	<3	13	32	<10	0	430	<6.0
26...	70	<1	2	0	<3	15	24	<10	0	530	<6.0

TABLE 4.--Continued

10172350 THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

10172352 NORTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	TUR- BID- ITY (FTU)	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
MAR. 1981								
26...	1015	--	--	1.0	2.4	.11	.04	--
26-26	1100	1830	--	11	19	.18	.08	--
MAY								
10...	2150	--	17	27	63	.11	.04	.030
10-11	2230	1200	190	9.2	18	.14	.06	--
19...	1810	--	12	--	--	--	--	--
20-20	0700	2000	52	4.4	9.8	.12	.06	--
SEPT.								
05...	0620	--	--	--	--	--	--	--
05-05	1300	2100	--	17	41	.11	.04	--

DATE	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
MAR. 1981							
26...	20	0	160	150	.2	.2	.0
26-26	20	0	3900	3900	.2	.2	.0
MAY							
10...	10	0	3900	3800	.2	.2	.0
10-11	20	0	11000	--	.2	.2	.0
19...	10	0	460	440	.1	.1	.0
20-20	20	0	2500	2500	.2	.2	.0
SEPT.							
05...	0	2	1300	1300	.0	.0	.0
05-05	19	1	12000	12000	.2	.2	.0

DATE	TIME	END- ING TIME (2400 HOURS)	ARSENIC TOTAL (UG/L AS AS)	CYANIDE TOTAL (MG/L AS CN)
MAY 1981				
19...	1810	--	2	.00
20-20	0700	2000	10	.00

TABLE 4.--Continued

10172371 SOUTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH

LOCATION.--Lat 40°45'16", long 111°55'18", in NW¼NE¼NW¼ sec. 11, T.1 S., R.1 W., Salt Lake County. Hydrologic Unit 16020204, at Jordan River at the intersection of 850 South (Indiana Avenue) and 1040 West (Goshen Street) in Salt Lake City.

DRAINAGE AREA.--0.1 mi² (0.3 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1980 to September 1981.

GAGE.--Velocity modified flow meter. Altitude of gage is 4,225 ft (1.288 m) from topographic map.

REMARKS.--Records fair. Backwater from Jordan River during low flow.

EXTREMES FOR CURRENT PERIOD.--June to September 1980: Maximum discharge. 35 ft³/s (0.99 m³/s) July 1; no flow many days.

Water year 1981: Maximum discharge 41 ft³/s (1.16 m³/s) May 3; no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									.00	4.1	.00	.00
2									2.8	.23	.00	.00
3									.00	.65	.00	.00
4									.00	.00	.00	.00
5									.00	.00	.00	.00
6									.00	.00	.00	.00
7									.00	.00	.00	.00
8									.00	.00	.00	.00
9									.00	.00	.00	.00
10									.00	.00	.00	.00
11									.00	.00	.00	.33
12									.00	.00	.00	.00
13									.00	.00	.00	.00
14									.00	.00	.00	.00
15									.00	.00	.00	.00
16									.00	.00	.00	.00
17									.00	.00	.00	.00
18									.00	.00	.00	.00
19									.00	.00	.00	.00
20									.00	.00	.00	.00
21									.00	.00	.00	.00
22									.00	.00	.00	.00
23									.00	.00	.00	.00
24									.00	.00	.00	.00
25									.00	.00	.11	.00
26									.00	.00	.00	.00
27									.00	.00	.00	.00
28									.00	.00	.00	.00
29									.00	.00	.00	.00
30									.00	.00	.00	.00
31									---	.00	.00	---
TOTAL									2.80	4.98	.11	.33
MEAN									.093	.16	.004	.011
MAX									2.8	4.1	.11	.33
MIN									.00	.00	.00	.00
AC-FT									5.6	9.9	.2	.7

TABLE 4.--Continued

10172371 SOUTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00			---	.00	.00	.00	.00	.00	.00
2	.00	.00	.00			---	.00	.14	.00	.63	.00	.00
3	.00	.00	.00			---	.00	.21	.00	.00	.00	.00
4	.00	.00	.00			---	.00	.00	.00	.00	.00	.00
5	.00	.00	.00			---	.00	.00	.00	.00	.00	1.4
6	.00	.00	.00			---	.00	.00	.00	1.4	.00	.15
7	.00	.00	.00			---	.00	.00	.00	.00	.00	.00
8	.00	.00	.00			---	.00	.00	.00	.00	.00	.00
9	.00	.00	.00			---	.00	.00	.00	.00	.00	.00
10	.00	.00	.00			---	.00	.02	.00	.00	.00	.00
11	.00	.00	.00			---	.00	.00	.00	.00	.00	.00
12	.00	1.6	.00			---	.00	.00	.00	.00	.00	.00
13	.00	.00	.00			---	.00	.00	.00	.00	.00	.00
14	.00	.00	---			---	.00	.00	.24	.00	.00	.00
15	.00	.00	---			---	.48	.00	.00	.00	.00	.00
16	.00	.00	---			---	.00	.00	.00	.00	.00	.00
17	.00	.00	---			---	.00	.00	.00	.00	.00	.00
18	.00	.00	---			---	.00	.00	.00	.00	.00	.00
19	.00	.00	---			---	.00	.00	.00	.00	.00	.00
20	.00	.00	---			---	.00	.00	.00	.00	.00	.00
21	.00	.00	---			---	.00	.00	.00	.00	.54	.00
22	.00	.00	---			---	.00	.00	.00	.00	.00	.00
23	.00	.00	---			---	.00	.00	.00	.00	.00	.00
24	.00	.00	---			---	.00	.00	.00	.00	.21	.00
25	.00	.00	---			.00	.00	.00	.00	.00	.00	.00
26	.28	.00	---			3.0	.00	.00	.00	.00	.00	.00
27	.00	.00	---			3.2	.00	.00	.00	.00	.00	.00
28	.00	.00	---			.13	.00	.00	.00	.00	.00	.00
29	.00	.00	---			1.1	.00	.00	.00	.00	.56	.00
30	.00	.00	---			1.6	.00	.00	.00	.00	.00	.00
31	.00	---	---			.00	---	.00	---	.00	.00	---
TOTAL	.28	1.60	---			---	.48	.37	.24	2.03	1.31	1.55
MEAN	.009	.053	---			---	.016	.012	.008	.065	.042	.052
MAX	.28	1.6	---			---	.48	.21	.24	1.4	.56	1.4
MIN	.00	.00	---			---	.00	.00	.00	.00	.00	.00
AC-FT	.6	3.2	---			---	1.0	.7	.5	4.0	2.6	3.1

NOTE.--No flow record Dec. 14 to March 24.

TABLE 4.--Continued

10172371 SOUTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1980 to September 1981.

REVISIONS.--The discharge figures have been revised for the water-quality samples listed in the following table. They supersede figures published in Utah Hydrologic-Data Report No. 36 (U.S. Geological Survey Open-File Report 81-1111).

		Date	Time	Discharge	
		July 1, 1980	1815	0.0	
			1857	21	
			2000	35	
			2100	19	
			2200	13	
		Aug. 19, 1980	0915	0.0	
			1404	0.0	
			1445	0.0	
		Aug. 25, 1980	1445	1.1	

WATER-QUALITY DATA											
DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	ALKA- LITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE. DIS- SOLVED (MG/L AS CL)
OCT. 1980											
26...	0900	--	.40	1840	7.9	26	--	--	230	230	200
26...	1300	--	.40	1260	7.7	32	K500	K1200	190	140	130
26...	1400	--	.50	--	--	--	--	--	--	--	--
26...	1500	--	.70	930	8.6	57	--	--	160	130	61
26...	1700	--	.80	1630	8.1	63	--	--	180	270	170
MAR. 1981											
26-26	1100	2100	--	1830	7.4	80	--	--	130	210	420
MAY											
10...	2305	--	1.4	1270	7.3	31	--	--	200	220	170
AUG.											
24-24	0740	0940	--	1450	8.0	68	--	--	240	250	190
29-29	1625	1740	--	1100	8.2	73	--	--	260	170	120
SEPT.											
05...	1320	--	4.2	1070	8.1	47	--	--	240	140	140
05-05	1330	1720	--	610	7.5	140	--	--	110	70	76

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)
OCT. 1980										
26...	914	889	7	1.10	.110	1.00	1.3	2.40	.20	2.2
26...	615	604	15	.28	.060	.920	1.2	2.60	.60	2.0
26...	--	--	--	--	--	--	--	--	--	--
26...	480	458	52	.25	.210	.220	.28	2.10	1.3	.79
26...	861	839	47	.43	.130	.380	.49	2.40	1.1	1.3
MAR. 1981										
26-26	1080	--	152	.84	.140	.490	.63	1.40	.00	1.6
MAY										
10...	801	--	29	1.30	.720	.230	.30	1.30	.30	1.0
AUG.										
24-24	932	--	41	--	--	--	--	--	--	--
29-29	734	--	35	2.00	.080	.320	.41	1.30	.00	1.4
SEPT.										
05...	720	--	8	1.30	.060	.140	.18	1.80	.84	.96
05-05	387	--	192	.65	.130	.160	.21	2.50	1.3	1.2

K Results based on colony count outside acceptable range (non-ideal colony count).

TABLE 4.--Continued

10172371 SOUTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
OCT. 1980										
26...	1.2	3.4	.840	.770	<1	5	14	4	10	13
26...	1.1	2.3	.720	.640	1	6	9	0	12	25
26...	--	--	--	--	--	--	--	--	--	--
26...	.57	1.3	.660	.550	<1	7	19	--	<10	25
26...	.92	1.9	.470	.340	1	10	19	8	11	25
MAR. 1981										
26-26	1.1	2.6	.620	.280	1	20	40	30	10	30
MAY										
10...	.77	3.0	.580	.460	<1	0	8	1	7	20
AUG.										
24-24	--	--	--	--	<1	20	24	19	5	12
29-29	1.1	3.5	.170	.100	<1	0	20	18	2	21
SEPT.										
05...	.82	2.4	.190	.120	<1	0	7	6	1	14
05-05	1.0	2.0	.530	.090	<1	20	50	48	2	53

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT. 1980										
26...	13	--	<10	40	30	12	1.1	14	--	--
26...	38	--	<10	70	20	46	.5	14	--	--
26...	--	--	--	--	--	--	--	--	23	.03
26...	63	--	<10	90	80	13	2.0	18	--	--
26...	66	--	<10	150	120	27	1.5	18	--	--
MAR. 1981										
26-26	130	130	1	220	180	40	>4.0	14	--	--
MAY										
10...	26	12	14	70	0	110	.2	10	265	1.0
AUG.										
24-24	54	34	20	100	50	54	--	--	113	--
29-29	110	100	6	100	60	44	.6	9.2	--	--
SEPT.										
05...	15	8	7	120	20	96	1.0	10	9	.10
05-05	250	240	12	360	280	77	4.3	17	267	--

DATE	TIME	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)
OCT. 1980											
26...	0900	420	190	88	49	140	3.3	14	.6	23	180
26...	1300	300	110	68	32	91	2.5	9.3	.4	17	260
26...	1500	270	110	79	18	43	1.2	11	.4	17	470
26...	1700	420	240	101	41	120	2.8	7.1	.5	17	350

DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LITUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT. 1980											
26...	90	<1	0	--	<3	130	7	11	0	1000	<6.0
26...	70	<1	1	0	<3	68	27	<10	0	670	<6.0
26...	70	<1	1	--	<3	33	17	32	0	510	<6.0
26...	90	<1	1	0	<3	60	82	14	0	940	<6.0

TABLE 4.--Continued

10172371 SOUTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	TUR- BID- ITY (FTU)	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C
MAR. 1981							
26-26	1100	2100	--	16	26	.20	.08
MAY							
10...	2305	--	15	3.8	11	.08	.04
AUG.							
24-24	0740	0940	22	--	--	--	--
29-29	1625	1740	--	6.6	12	.16	.08
SEPT.							
05...	1320	--	--	6.8	19	.10	.04
05-05	1330	1720	--	--	--	--	--

DATE	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
MAR. 1981							
26-26	20	0	3200	3200	.2	.2	.0
MAY							
10...	0	0	390	370	.1	.1	.0
AUG.							
24-24	20	0	2200	2200	.1	.1	.0
29-29	0	2	780	760	.0	.0	.0
SEPT.							
05...	0	5	260	250	.0	.0	.0
05-05	12	8	5300	5200	.1	.1	.0

TABLE 4.--Continued

10172372 MIDDLE CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH

LOCATION.--Lat 40°45'16", long 111°55'18", in NW¼NE¼NW¼ sec. 11, T. 1 S., R. 1 W., Salt Lake County, Hydrologic Unit 16020204, at Jordan River at the intersection of 850 South (Indiana Avenue) and 1040 West (Goshen Street) in Salt Lake City.

DRAINAGE AREA.--2.3 mi² (6.0 km²) approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1980 to September 1981.

GAGE.--Velocity modified flow meter. Altitude of gage is 4,225 ft (1,288 m) from topographic map.

REMARKS.--Records good. Backwater from Jordan River during low flow.

EXTREMES FOR CURRENT PERIOD.--May to September 1980: Maximum discharge, 37 ft³/s (1.05 m³/s) July 1; no flow many days.

Water year 1981: Maximum discharge, 129 ft³/s (3.65 m³/s) May 11; no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	---	1.4	.00	.00
2								---	---	.15	.00	.00
3								---	.00	.27	.00	.00
4								---	.00	.35	.00	.00
5								---	.00	.00	.00	.00
6								---	.00	.00	.00	.00
7								---	.00	.36	.00	.19
8								---	.00	.00	.00	.00
9								---	.00	.00	.00	.20
10								4.2	.00	.00	.00	.06
11								.00	.00	.00	.00	.06
12								2.1	.00	.00	.00	.06
13								.34	.00	.00	.00	.00
14								1.2	.00	.00	.00	.00
15								.20	.21	.00	.00	.00
16								3.3	.00	.00	.00	.00
17								2.8	.00	.00	.00	.00
18								.00	.00	.00	.00	.00
19								.00	.00	.00	.13	.00
20								.00	.00	.00	.00	.00
21								.00	.00	.00	.00	.15
22								.00	.00	.00	.00	.00
23								1.7	.00	.00	.00	.00
24								.43	.00	.00	.00	.00
25								.18	.00	.10	.10	.00
26								1.8	.00	.00	.00	.19
27								.84	.00	.00	.00	.11
28								---	.00	.00	.00	.00
29								---	.00	.00	.00	.20
30								---	.00	.00	.00	.00
31								---	---	.00	.00	---
TOTAL	---	---	---	---	---	---	---	---	---	2.63	.23	1.22
MEAN	---	---	---	---	---	---	---	---	---	.085	.007	.041
MAX	---	---	---	---	---	---	---	---	---	1.4	.13	.20
MIN	---	---	---	---	---	---	---	---	---	.00	.00	.00
AC-FT	---	---	---	---	---	---	---	---	---	5.2	.5	2.4

TABLE 4.--Continued

10172372 MIDDLE CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.46	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.49	.00	.77	.40	---	5.1	.00	.00
3	.00	.00	.00	.00	.00	3.7	.00	1.4	.00	1.4	.00	.00
4	.00	.04	.00	.72	.00	.00	.00	.15	.00	.00	.00	.00
5	.00	.00	.57	.19	.00	.00	.00	.23	.00	.00	.00	3.6
6	.00	.00	2.0	.00	.00	.00	.00	.22	.00	2.9	.00	1.5
7	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	4.4	.00	.00	1.3	.00
9	.00	.00	.00	.00	.06	.00	.00	.84	.00	.00	.00	.00
10	.00	.00	.00	.00	.22	.00	.00	.31	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	2.8	.00	.00	.00	.00
12	.23	1.6	.00	.00	.40	.00	.00	.00	.00	.00	.00	.00
13	.11	.00	.00	.65	.00	.00	.00	.00	.00	.00	.00	.00
14	.12	.00	.00	.00	.00	.00	.00	.00	3.1	.00	.00	.00
15	.41	.00	.00	.10	.00	.00	.00	8.1	.00	.00	.00	.00
16	.36	.00	.00	.00	.00	2.0	.00	8.2	.00	.00	.00	1.1
17	.00	.00	.00	.00	1.0	.31	.00	2.4	.00	.00	.00	.00
18	.00	.00	.15	.00	.05	.00	.20	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	1.1	2.1	.00	3.0	.00	.00	.10	.00
21	.00	.00	2.3	.00	1.4	.00	.00	4.4	.00	.00	.00	.00
22	.00	.33	.00	.00	1.9	.00	.00	.00	.00	.00	.00	.00
23	.00	.76	.00	.00	1.8	.00	.00	.00	.00	.00	.00	.00
24	.00	1.6	.00	.33	2.2	.35	.00	.00	.00	.00	1.4	.00
25	.00	.45	.30	.00	.68	.00	.00	.00	.00	.00	.00	.00
26	.63	.00	.00	.00	5.8	5.6	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	3.7	8.0	.26	2.9	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	2.7	.00	1.2	.00	.00	.00	.00
29	.02	.00	.00	.52	---	2.1	.00	.00	.00	.00	.98	.00
30	.00	.40	.00	3.2	---	3.9	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.30	---	.00	---	.00	---	.00	.00	---
TOTAL	1.91	5.18	5.32	6.01	21.31	30.76	1.23	40.95	---	9.40	3.78	6.20
MEAN	.062	.17	.17	.19	.76	.99	.041	1.32	---	.30	.12	.21
MAX	.63	1.6	2.3	3.2	5.8	8.0	.77	8.2	---	5.1	1.4	3.6
MIN	.00	.00	.00	.00	.00	.00	.00	.00	---	.00	.00	.00
AC-FT	3.8	10	11	12	42	61	2.4	81	---	19	7.5	12

NOTE.--No flow record June 2.

TABLE 4.--Continued

10172372 MIDDLE CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1980 to September 1981.

REVISIONS.--The discharge figures have been revised for the water-quality samples listed in the following table. They supersede figures published in Utah Hydrologic-Data Report No. 36 (U.S. Geological Survey Open-File Report 81-1111).

Date	Time	Discharge
July 1, 1980	1815	0.0
	1850	26
	2200	1.1
Aug. 19, 1980	1125	.30
Aug. 25, 1980	1450	.57

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	ALKA- LINEITY LAB (MG/L AS CACO3)
OCT. 1980											
26...	1000	--	2.8	2100	7.9	--	--	25	K200	<1	240
26...	1300	--	4.4	1550	8.1	--	--	19	K400	K200	300
26...	1400	--	2.7	--	--	--	--	--	--	--	--
26...	1506	--	2.9	--	--	--	--	--	--	--	--
26...	1600	--	2.8	295	7.6	--	--	120	K200	6300	47
26...	1917	--	6.0	940	7.8	--	--	70	<1	5000	110
MAR. 1981											
26-26	1100	2100	--	530	7.8	--	--	88	--	--	100
MAY											
10...	2305	--	.50	640	6.9	--	--	38	--	--	140
10-11	2310	1210	--	210	7.6	--	--	150	--	--	48
19...	1845	--	.62	1200	7.3	20.0	16.5	23	--	--	230
20-20	0700	1100	--	790	7.7	--	--	40	--	--	210
AUG.											
24-24	0740	0940	--	610	7.5	--	--	210	--	--	150
29-29	1625	1740	--	840	8.0	--	--	170	--	--	200
SEPT.											
05...	1330	--	2.0	1120	7.8	--	--	50	--	--	220
05-05	1300	1730	--	390	7.4	--	--	440	--	--	87
DATE	SULFATE AS SO4	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT. 1980											
26...	260	220	993	932	16	1.30	.130	.930	1.2	2.90	.50
26...	150	120	715	714	10	3.30	.050	.330	.43	1.40	.30
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26...	17	23	144	117	31	.74	.130	.150	.19	3.50	2.3
26...	100	90	416	408	26	.88	.120	.850	1.1	3.30	1.1
MAR. 1981											
26-26	64	58	312	--	182	1.40	.080	.450	.58	1.90	.30
MAY											
10...	120	140	463	--	57	1.50	.930	.400	.52	7.30	5.8
10-11	25	19	126	--	209	.74	.030	.190	.24	2.80	2.2
19...	200	160	741	--	31	2.00	.150	1.50	1.9	2.70	.30
20-20	92	78	520	--	47	2.90	.040	1.30	1.7	2.80	.40
AUG.											
24-24	81	53	419	--	242	--	--	--	--	--	--
29-29	130	72	552	--	382	1.40	.180	.550	.71	4.40	2.6
SEPT.											
05...	130	150	714	--	10	.79	.610	.160	.21	2.10	1.0
05-05	43	32	240	--	1060	.24	.180	.260	.33	8.20	6.9

K Results based on colony count outside acceptable range (non-ideal colony count).

TABLE 4.--Continued

10172372 MIDDLE CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)
OCT. 1980											
26...	2.4	--	1.5	3.8	.930	.810	2	7	15	0	25
26...	1.1	--	.77	4.4	.310	.210	<1	9	10	--	<10
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26...	1.2	--	1.1	2.1	.360	.070	1	15	30	0	39
26...	2.2	--	1.4	3.2	.630	.530	3	9	16	0	33
MAR. 1981											
26-26	1.6	--	1.2	3.1	.480	.130	<1	30	40	32	8
MAY											
10...	1.5	--	1.1	3.9	.600	.450	0	10	22	14	8
10-11	.61	--	.42	1.4	.960	.120	0	30	120	120	5
19...	2.4	--	.90	4.5	.860	.740	<1	10	12	0	14
20-20	2.4	--	1.1	5.3	.840	.690	<1	10	14	4	10
AUG.											
24-24	--	--	--	--	--	--	<1	40	50	40	10
29-29	1.8	6.2	1.3	3.4	.910	.240	<1	40	75	71	4
SEPT.											
05...	1.1	--	.94	2.5	.420	.240	<1	0	20	19	1
05-05	1.3	--	1.0	1.7	2.00	.080	<1	80	210	--	--
DATE	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT. 1980											
26...	20	15	--	<10	50	4	46	.9	16	--	--
26...	12	14	--	<10	60	40	20	.3	4.6	--	--
26...	--	--	--	--	--	--	--	--	--	54	.39
26...	--	--	--	--	--	--	--	--	--	77	.60
26...	130	180	150	34	160	50	110	1.5	22	--	--
26...	62	70	54	16	160	80	78	1.3	14	--	--
MAR. 1981											
26-26	20	210	210	2	240	200	40	>4.0	10	--	--
MAY											
10...	30	110	100	6	80	0	120	1.9	14	--	--
10-11	--	750	720	26	460	--	--	25	7.3	1530	--
19...	10	17	15	2	60	0	60	1.0	7.5	33	.06
20-20	20	59	49	10	80	40	40	--	19	49	--
AUG.											
24-24	210	400	370	26	740	620	120	--	--	283	--
29-29	93	460	450	7	370	350	22	1.7	13	--	--
SEPT.											
05...	21	42	38	4	240	80	160	1.8	14	177	.96
05-05	160	1500	1500	12	1400	1300	52	>40	16	1540	--
DATE	TIME	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)
OCT. 1980											
26...	1000	390	150	79	47	140	3.4	8.9	.7	25	230
26...	1300	450	150	102	47	71	1.6	8.0	.4	19	160
26...	1600	66	19	20	3.9	14	.8	2.1	.2	4.0	760
26...	1917	200	91	44	22	64	2.2	4.9	.4	11	420

TABLE 4.--Continued

10172372 MIDDLE CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT. 1980											
26...	100	<1	1	0	<3	120	9	<10	0	1000	<6.0
26...	100	<1	0	--	<3	59	17	<10	0	1100	<6.0
26...	40	<1	1	0	<3	5	48	<10	0	140	<6.0
26...	60	<1	17	14	<3	51	25	<10	0	450	<6.0

DATE	TIME	TIME (2400 HOURS)	TUR- BID- ITY (NTU)	BOD OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C	PHOS- PHORUS, ORTHO- DIS-0 SOLVED (MG/L AS P)
MAR. 1981								
26-26	1100	2100	--	9.2	13	.24	.10	--
MAY								
10...	2305	--	--	5.0	14	.08	.04	.330
10-11	2310	1210	46	6.8	18	.10	.04	--
19...	1845	--	14	3.0	6.8	.12	.06	--
20-20	0700	1100	20	7.8	23	.08	.04	--
AUG.								
24-24	0740	0940	57	--	--	--	--	--
29-29	1625	1740	--	20	33	.18	.08	--
SEPT.								
05...	1330	--	--	7.8	21	.10	.04	--
05-05	1300	1730	--	24	66	.08	.04	--

DATE	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM. DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
MAR. 1981							
26-26	30	0	4300	4300	.2	.2	.0
MAY							
10...	10	0	1300	1300	.1	.1	.0
10-11	30	0	13000	--	.3	.3	.0
19...	10	0	580	570	.4	.4	.0
20-20	9	1	1400	1400	.3	.3	.0
AUG.							
24-24	40	0	6700	6500	.2	.2	.0
29-29	34	6	7800	7700	.3	.3	.0
SEPT.							
05...	0	7	1100	1100	.0	.0	.0
05-05	79	1	26000	26000	.8	.8	.0

DATE	TIME	END- ING TIME (2400 HOURS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM- TOTAL, RECOV- ERABLE (UG/L AS BA)	CYANIDE TOTAL (MG/L AS CN)
MAY 1981					
10...	2305	--	--	100	--
20-20	0700	1100	4	--	.00

TABLE 4.--Continued

10172373 NORTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH

LOCATION.--Lat 40°45'16", long 111°55'18", in NW¼NE¼NW¼ sec. 11, T.1 S., R. 1 W., Salt Lake County. Hydrologic Unit 16020204, at Jordan River at the intersection of 850 South (Indiana Avenue) and 1040 West (Goshen Street) in Salt Lake City.

DRAINAGE AREA.--0.8 mi² (2.1 km²) approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1980 to September 1981.

GAGE.--Velocity modified flow meter. Altitude of gage is 4,225 ft (1,288 m) from topographic map.

REMARKS.--Records good. Backwater from Jordan River during low flow.

EXTREMES FOR CURRENT PERIOD.--May to September 1980: Maximum discharge, 55 ft³/s (1.56 m³/s) May 29; no flow many days.

Water year 1981: Maximum discharge, 78 ft³/s (2.21 m³/s) May 15; no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	.00	1.7	.00	.00
2								---	.38	.00	.00	.00
3								---	.00	.26	.00	.00
4								---	.00	.00	.00	.00
5								---	.00	.00	.00	.00
6								---	.00	.00	.00	.00
7								---	.00	.00	.00	.00
8								---	.00	.00	.00	.00
9								.16	.00	.00	.00	.00
10								2.8	.00	.00	.00	.00
11								.00	.00	.00	.00	.00
12								2.3	.00	.00	.00	.00
13								.00	.00	.00	.00	.00
14								.25	.00	.00	.00	.00
15								.00	.08	.00	.00	.00
16								3.8	.00	.00	.00	.00
17								2.0	.00	.00	.00	.00
18								.00	.00	.00	.00	.00
19								.00	.00	.00	.00	.00
20								.00	.00	.00	.00	.00
21								.00	.00	.00	.00	.00
22								.25	.00	.00	.00	.00
23								1.6	.00	.00	.00	.00
24								.00	.00	.00	.00	.00
25								.00	.00	.00	.00	.00
26								.00	.00	.00	.00	.00
27								.00	.00	.00	.00	.00
28								.16	.00	.00	.00	.00
29								2.2	.00	.00	.00	.00
30								2.0	.00	.00	.00	.00
31								.00	---	.00	.00	---
TOTAL								---	.46	1.96	.00	.00
MEAN								---	.015	.063	.000	.000
MAX								---	.38	1.7	.00	.00
MIN								---	.00	.00	.00	.00
AC-FT								---	.9	3.9	.00	.00

TABLE 4.--Continued

10172373 NORTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.08	.00	.00	.54	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.09	.05	.00	1.4	.00	.00
3	.00	.00	.00	.00	.00	1.7	.00	1.8	.00	.00	.00	.00
4	.00	.00	.32	.23	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.86	.00	.00	.00	.00	.00	.00	.00	.00	4.3
6	.00	.00	.00	.00	.00	.00	.00	.45	.00	3.4	.00	1.0
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	3.4	.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	1.3	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	1.2	.00	.00	.00	.00
12	.75	1.8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	2.4	.00	.00	.00
15	2.7	.00	.00	.00	.00	.00	1.3	6.3	.00	.46	.00	.00
16	2.3	.00	.00	.00	.00	.78	.00	2.3	.00	.00	.00	.00
17	.00	.00	.00	.00	.89	.00	.00	1.2	.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	.81	.00	.60	.00	.00	.55	.00
21	.00	.00	.23	.00	.00	.00	.00	5.7	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	1.1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	1.9	.00	.00	.00	.00	.00	.00	.48	.00	1.6	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	1.3	.00	.00	.00	2.8	1.5	.00	.02	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	3.2	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.47	.00	1.6	.00	.00	.00	.00
29	.00	.00	.00	.21	---	1.3	.00	.00	.00	.00	1.3	.00
30	.00	.00	.00	1.4	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	7.05	4.88	1.41	1.84	4.23	6.56	1.39	29.12	2.89	5.26	3.45	5.30
MEAN	.23	.16	.045	.059	.15	.21	.046	.94	.096	.17	.11	.18
MAX	2.7	1.9	.86	1.4	2.8	1.7	1.3	6.3	2.4	3.4	1.6	4.3
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	14	9.7	2.8	3.6	8.4	13	2.8	58	5.7	10	6.8	11

WTR YR 1981 TOTAL 73.38 MEAN .20 MAX 6.3 MIN .00 AC-FT 146

TABLE 4.--Continued

10172373 NORTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1980 to September 1981.

REVISIONS.--The discharge figures have been revised for the water-quality samples listed in the following table. They supersede figures published in Utah Hydrologic-Data Report No. 36 (U.S. Geological Survey Open-File Report 81-1111).

		Date		Time		Discharge						
		July 1, 1980		1845		0.01						
				2120		12						
		Aug. 19, 1980		0845		0.01						
				0945		0.01						
WATER-QUALITY DATA												
DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	ALKA- LINITY LAB (MG/L AS CACO3)	
OCT. 1980												
26...	0900	--	.01	2160	7.7	--	--	30	<1	<1	210	
26...	1400	--	20	--	--	--	--	--	--	--	--	
26...	1500	--	1.9	165	7.6	--	--	70	K1000	4300	35	
26...	1917	--	.00	780	7.7	--	--	52	K1100	3500	84	
MAR. 1981												
26-26	1100	1400	--	850	7.5	--	--	330	--	--	150	
MAY												
10...	2305	--	.50	900	6.7	--	--	24	--	--	150	
10-11	2310	1210	--	137	--	--	--	130	--	--	34	
19...	1845	--	.16	1180	7.8	20.0	17.0	21	--	--	220	
20-20	0700	1100	--	730	7.5	--	--	31	--	--	140	
AUG.												
24-24	0740	0940	--	580	6.8	--	--	240	--	--	73	
29-29	1610	1740	--	430	7.2	--	--	290	--	--	81	
SEPT.												
05...	1305	--	4.8	1280	8.1	--	--	52	--	--	220	
05...	1330	--	52	--	--	--	--	--	--	--	--	
05-05	1310	1600	--	295	7.2	--	--	300	--	--	110	
DATE	SULFATE AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	
OCT. 1980												
26...	260	220	985	943	16	1.30	.140	1.00	1.3	2.30	.00	
26...	--	--	--	--	--	--	--	--	--	--	--	
26...	17	7.8	79	78	26	.45	.090	.120	.15	2.60	1.1	
26...	81	69	317	316	13	.71	.120	.630	.81	2.30	.30	
MAR. 1981												
26-26	140	120	529	--	444	.35	.090	.670	.86	2.60	.90	
MAY												
10...	160	120	564	--	32	1.80	.970	.860	1.1	2.20	.50	
10-11	19	8.3	113	--	100	.23	.030	.110	.14	3.10	2.6	
19...	210	160	760	--	31	1.60	.150	1.80	2.3	2.60	.20	
20-20	110	79	444	--	18	.81	.070	.860	1.1	1.60	.10	
AUG.												
24-24	180	44	475	--	260	--	--	--	--	--	--	
29-29	37	41	299	--	354	1.10	.080	1.30	1.7	5.50	2.9	
SEPT.												
05...	200	180	812	--	42	.44	.120	1.20	1.5	2.30	.40	
05...	--	--	--	--	--	--	--	--	--	--	--	
05-05	10	28	202	--	415	.21	.080	.270	.35	5.50	4.1	

K Results based on colony count outside the acceptable range (non-ideal colony count).

TABLE 4.--Continued

10172373 NORTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)
OCT. 1980											
26...	2.4	--	1.4	3.8	.940	.860	1	6	13	--	<10
26...	--	--	--	--	--	--	--	--	--	--	--
26...	1.5	--	1.4	2.0	.360	.160	<1	21	23	0	40
26...	2.0	--	1.4	2.8	.570	.490	1	11	19	5	14
MAR. 1981											
26-26	1.7	--	1.0	2.1	1.70	.310	<1	80	320	310	8
MAY											
10...	1.7	--	.84	4.5	.820	.690	<1	10	20	12	8
10-11	.54	--	.43	.80	.670	.090	0	40	110	110	5
19...	2.4	--	.60	4.1	.940	.830	<1	10	15	11	4
20-20	1.5	--	.64	2.4	.500	.420	<1	20	13	0	20
AUG.											
24-24	--	--	--	--	--	--	<1	200	130	130	4
29-29	2.6	6.8	1.3	3.8	.900	.260	<1	300	190	180	6
SEPT.											
05...	1.9	--	.70	2.5	.950	.880	<1	110	14	8	6
05...	--	--	--	--	--	--	--	--	--	--	--
05-05	1.4	--	1.1	1.7	1.10	.130	1	320	250	250	2
DATE	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE. SUS- PENDED (T/DAY)
OCT. 1980											
26...	180	15	--	<10	50	20	28	.8	9.7	--	--
26...	--	--	--	--	--	--	--	--	--	29	1.6
26...	370	94	82	12	150	60	94	.9	16	--	--
26...	57	63	52	11	110	60	49	.8	13	--	--
MAR. 1981											
26-26	150	960	950	6	750	720	30	>4.0	13	--	--
MAY											
10...	20	37	35	2	70	20	50	--	14	42	.06
10-11	--	610	580	26	400	--	--	10	8.1	--	--
19...	<10	17	15	2	40	0	50	1.3	9.3	31	.01
20-20	30	25	19	6	80	20	60	--	15	18	--
AUG.											
24-24	2100	700	660	43	870	500	370	--	--	298	--
29-29	320	780	750	35	760	670	95	2.1	32	--	--
SEPT.											
05...	30	12	9	3	70	40	34	.7	8.2	5	.06
05...	--	--	--	--	--	--	--	--	--	177	25
05-05	230	820	810	14	1000	950	49	22	22	707	--
DATE	TIME	HARD- NESS (MG/L AS CaCO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS Al)
OCT. 1980											
26...	0900	430	220	86	52	150	3.5	15	.7	25	180
26...	1500	43	8	14	2.0	5.1	.4	1.8	.3	5.9	470
26...	1917	150	65	33	16	47	1.9	6.0	.4	9.1	340

TABLE 4.--Continued

10172373 NORTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT. 1980											
26...	80	<1	1	0	<3	130	8	<10	0	1100	<6.0
26...	40	<1	1	--	<3	5	13	<10	0	54	<6.0
26...	50	<1	1	0	<3	41	14	<10	0	350	<6.0

DATE	TIME	END- ING TIME (2400 HOURS)	TUR- BID- ITY (FTU)	BOD OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C
MAR. 1981							
26-26	1100	1400	--	14	26	.15	.06
MAY							
10...	2305	--	15	5.2	13	.10	.04
10-11	2310	1210	29	8.6	18	.12	.06
19...	1845	--	14	5.4	14	.10	.04
20-20	0700	1100	10	6.6	16	.11	.04
AUG.							
24-24	0740	0940	54	--	--	--	--
29-29	1610	1740	--	42	71	.18	.08
SEPT.							
05...	1305	--	--	3.8	12	.08	.04
05-05	1310	1600	--	26	62	.11	.04

DATE	CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
MAR. 1981							
26-26	80	0	11000	11000	.4	.2	.2
MAY							
10...	2	8	810	790	.1	.1	.0
10-11	40	0	6500	--	.3	.3	.0
19...	10	0	570	--	.2	.2	.0
20-20	11	9	510	480	.2	.2	.0
AUG.							
24-24	200	5	8900	6800	.4	.4	.0
29-29	270	31	9000	8700	.2	.2	.0
SEPT.							
05...	0	150	230	200	.0	.0	.0
05-05	310	12	12000	12000	.5	.5	.0

DATE	TIME	END- ING TIME (2400 HOURS)	ARSENIC TOTAL (UG/L AS AS)	CYANIDE TOTAL (MG/L AS CN)
MAY 1981				
20-20	0700	1100	7	.01

TABLE 4.--Continued

10172499 CITY CREEK (CHANNEL ONLY) AT MEMORY PARK, AT SALT LAKE CITY, UTAH

LOCATION.--Lat 40°47'05", long 111°52'57", in SE¼SE¼SW¼ sec. 30, T.1 N., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on right bank near mouth of canyon and 0.6 mi (1.0 km) northeast of Utah State Capitol building.

DRAINAGE AREA.--17.7 m² (45.8 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to September 1964, October 1979 to September 1981. Records for October 1960 to September 1963, October 1964 to September 1979 in files of Salt Lake City Water Department. Prior to October 1979, published in "Hydrologic and Climatologic Data" reports for Salt Lake County, Utah as 101725 A City Creek (channel only) near Salt Lake City, Utah.

GAGE.--Water-stage recorder and concrete flume. Altitude of gage is 4,540 ft (1,384 m) from topographic map.

REMARKS.--Records good. Flow regulated. Diversion upstream 3.9 mi (6.3 km) for water supply.

COOPERATION.-- Gage-height record furnished by Salt Lake City Water Department.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 56 ft³/s (1.59 m³/s) May 25, 1980, gage height, 2.27 ft (0.692 m); minimum, 0.44 ft³/s (0.012 m³/s) Aug. 18, 1980.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 128 ft³/s (3.62 m³/s) was measured June 9, 1975, gage height, 2.99 ft (0.911 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 32 ft³/s (0.92 m³/s) June 3, gage height, 1.95 ft (0.594 m); maximum gage height, 1.97 ft (0.600 m) May 28; minimum, 0.49 ft³/s (0.014 m³/s) Sept. 17-19.

1	.89	1.6	1.6	1.7	1.9	2.0	2.3	3.7	19	3.1	2.6	2.6
2	.91	1.6	1.6	1.7	1.7	1.9	2.4	5.3	19	3.5	2.6	2.5
3	.90	1.4	1.6	1.6	1.7	2.2	2.4	11	21	3.2	2.6	2.4
4	.93	1.4	1.7	1.7	1.9	1.9	2.2	5.6	21	3.1	2.5	2.3
5	.94	1.4	1.8	1.7	1.6	1.9	2.2	7.8	16	3.0	2.3	2.7
6	.96	1.4	1.7	1.7	1.7	1.9	2.2	5.6	19	3.7	2.4	2.9
7	1.0	1.4	1.6	1.7	1.6	1.8	2.2	7.4	18	3.1	2.4	2.9
8	1.1	1.4	1.5	1.7	1.5	1.8	2.2	4.3	14	3.0	2.4	2.4
9	1.1	1.6	1.5	1.7	1.6	1.8	2.1	3.7	9.5	3.4	2.3	1.1
10	1.2	1.6	1.4	1.7	1.5	1.8	2.2	3.8	8.6	3.0	2.5	1.1
11	1.2	1.6	1.5	1.7	1.8	1.8	2.1	4.1	5.8	2.9	2.7	.96
12	1.3	2.0	1.5	1.7	1.6	1.8	2.1	3.7	5.4	2.9	2.5	.84
13	1.3	1.6	1.5	1.8	1.5	1.8	2.1	3.5	7.0	2.9	2.4	.79
14	1.2	1.6	1.5	1.8	1.6	1.8	2.2	3.4	6.0	2.9	2.5	.75
15	2.2	1.5	1.6	1.8	1.6	1.8	3.2	4.7	5.5	2.8	2.5	.69
16	2.6	1.5	1.5	1.8	1.6	1.9	3.1	5.2	4.9	2.8	2.6	.63
17	1.6	1.4	1.5	1.8	1.8	1.9	3.3	7.7	4.8	2.8	2.6	.60
18	1.5	1.4	1.5	1.8	1.8	1.8	3.3	5.2	4.5	2.7	2.6	.57
19	1.5	1.4	1.4	1.7	1.8	1.8	3.9	4.2	4.2	2.8	2.5	.56
20	1.4	1.6	1.4	1.7	1.9	1.9	4.1	5.7	3.9	2.8	2.5	.56
21	1.5	1.6	1.5	1.7	1.7	1.9	3.6	14	3.9	2.7	2.4	.59
22	1.5	1.7	1.5	1.8	1.7	1.8	3.4	12	3.8	2.8	2.4	.62
23	1.5	1.6	1.5	1.8	1.7	1.8	3.4	16	3.3	2.8	2.5	.63
24	1.4	1.6	1.5	1.9	1.8	1.9	3.1	18	2.8	2.6	2.6	.62
25	1.5	1.5	1.6	1.8	1.8	1.9	3.0	20	3.1	2.5	2.5	.63
26	1.7	1.6	1.6	1.8	2.4	2.5	3.8	22	3.4	2.6	2.5	.67
27	1.5	1.5	1.6	1.7	2.3	2.6	3.9	22	4.4	2.6	2.4	.65
28	1.5	1.5	1.6	1.7	2.0	2.4	3.8	25	3.6	2.4	2.3	.64
29	1.8	1.6	1.6	1.7	---	2.4	3.8	26	3.4	2.3	2.3	.64
30	1.6	1.6	1.6	2.0	---	2.6	3.5	24	3.3	2.3	2.3	.68
31	1.6	---	1.7	1.8	---	2.3	---	24	---	2.5	2.4	---
TOTAL	42.83	46.2	48.2	54.2	49.1	61.4	87.1	328.6	252.1	88.5	76.6	36.22
MEAN	1.38	1.54	1.55	1.75	1.75	1.98	2.90	10.6	8.40	2.85	2.47	1.21
MAX	2.6	2.0	1.8	2.0	2.4	2.6	4.1	26	21	3.7	2.7	2.9
MIN	.89	1.4	1.4	1.6	1.5	1.8	2.1	3.4	2.8	2.3	2.3	.56
AC-FT	85	92	96	108	97	122	173	652	500	176	152	72
CAL YR 1980	TOTAL	2051.52	MEAN	5.61	MAX	48	MIN	.56	AC-FT	4070		
WTR YR 1981	TOTAL	1171.05	MEAN	3.21	MAX	26	MIN	.56	AC-FT	2320		

TABLE 4.--Continued

10172499 CITY CREEK (CHANNEL ONLY) AT MEMORY PARK, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1979 to September 1981.

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT. 1980											
20...	2055	--	1.5	--	--	--	--	--	--	--	--
26...	0820	--	1.5	--	8.1	--	--	--	--	--	--
26...	0900	--	1.5	600	8.0	7.5	7.0	45	240	42	60
26...	1210	--	2.7	370	8.3	5.0	7.0	20	150	15	25
26...	1325	--	2.3	255	7.6	4.0	7.0	75	62	23	16
26...	1530	--	2.0	530	8.2	6.0	7.5	7	220	21	39
26...	2055	--	2.3	520	8.0	--	--	37	130	27	28
MAR. 1981											
26-26	1100	1800	--	470	7.9	--	--	22	140	20	29
MAY											
19...	1740	--	3.4	460	8.1	--	9.0	7	200	22	21
20-20	0630	1300	--	435	7.5	--	--	8	200	22	17
SEPT.											
05...	0830	--	2.4	470	8.3	20.0	13.0	53	190	14	19
05-05	1300	1900	--	405	8.3	--	--	62	180	<5.0	11
SOLIDS, SUM OF RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)											
SOLIDS, SUM OF RESIDUE AT 105 DEG. C DIS- SOLVED (MG/L)											
SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)											
NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)											
NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)											
NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)											
NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)											
NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)											
NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)											
OCT. 1980											
20...	--	--	--	--	--	--	--	--	--	--	--
26...	409	408	4	1.10	.020	.000	.00	1.30	.48	.82	
26...	309	337	0	.34	.000	.080	.10	1.10	.33	.77	
26...	214	214	3	.28	.010	.170	.22	1.50	.68	.82	
26...	137	126	43	.54	.130	.060	.08	1.80	.70	1.1	
26...	311	315	0	.14	.010	.020	.03	1.70	1.4	.26	
26...	223	220	0	.58	.040	.040	.05	.45	.00	.63	
MAR. 1981											
26-26	231	--	78	.39	.010	.240	.31	.81	.24	.57	
MAY											
19...	265	--	6	.29	.000	.030	.04	.81	.45	.36	
20-20	263	--	9	.20	.000	.060	.08	.73	.07	.66	
SEPT.											
05...	257	--	25	--	<.020	.130	.17	.66	.28	.38	
05-05	237	--	187	.31	.030	<.070	.09	1.40	--	<.22	
NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)											
NITRO- GEN DIS- SOLVED (MG/L AS N)											
PHOS- PHORUS, TOTAL (MG/L AS P)											
PHOS- PHORUS, DIS- SOLVED (MG/L AS P)											
CADMIUM DIS- SOLVED (UG/L AS CD)											
CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)											
COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)											
COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)											
COPPER, DIS- SOLVED (UG/L AS CU)											
IRON, DIS- SOLVED (UG/L AS FE)											
OCT. 1980											
20...	--	--	--	--	--	--	--	--	--	--	--
26...	.82	1.9	.150	.040	<1	7	10	--	<10	19	
26...	.69	1.1	.050	.030	<1	3	5	--	<10	<10	
26...	.65	1.1	.220	.150	<1	6	8	--	<10	16	
26...	1.0	1.8	.140	.080	<1	11	38	7	31	63	
26...	.24	.41	.120	.080	<1	3	5	--	<10	11	
26...	.59	1.3	.230	.080	<1	6	30	12	18	42	
MAR. 1981											
26-26	.33	.97	.140	.030	1	10	12	8	4	20	
MAY											
19...	.33	.65	.050	.030	<1	10	2	0	2	10	
20-20	.60	.86	.070	.030	<1	10	4	4	0	<10	
SEPT.											
05...	.25	.71	.030	.020	<1	0	8	3	5	<10	
05-05	--	--	.410	.040	<1	0	22	20	2	12	

10172499 CITY CREEK (CHANNEL ONLY) AT MEMORY PARK, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT. 1980										
20...	--	--	--	--	--	--	--	--	--	--
26...	30	--	<10	70	30	36	.4	13	--	--
26...	4	--	<10	20	20	4	.1	7.1	--	--
26...	15	--	<10	30	10	20	.8	10	--	--
26...	180	160	18	130	80	46	1.3	17	--	--
26...	6	--	<10	20	10	8	.4	5.8	--	--
26...	20	--	<10	50	30	23	.4	13	--	--
MAR. 1981										
26-26	38	36	2	50	50	4	1.6	4.2	--	--
MAY										
19...	0	0	4	10	0	20	.3	10	--	--
20-20	6	0	6	10	0	20	.3	14	--	--
SEPT.										
05...	16	12	4	20	0	32	.1	2.0	21	.14
05-05	34	30	4	150	140	11	2.4	3.7	376	--

	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)
OCT. 1980										
26...	0820	280	42	73	24	41	1.1	2.9	.2	15
26...	0900	260	29	69	21	27	.8	2.2	.2	15
26...	1210	160	7	43	12	16	.6	2.0	.1	9.2
26...	1325	77	15	23	4.6	11	.6	2.8	.3	4.3
26...	1530	230	9	62	18	25	.8	2.4	.5	14
26...	2055	150	15	40	11	21	.8	3.0	.2	8.4

	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT. 1980										
26...	110	<1	3	<3	25	15	<10	0	310	<6.0
26...	120	<1	0	<3	14	<1	<10	0	220	<6.0
26...	80	<1	0	<3	8	8	<10	0	130	<6.0
26...	50	<1	2	<3	7	20	<10	0	90	<6.0
26...	110	<1	0	<3	12	4	<10	0	200	<6.0
26...	70	<1	3	<3	12	2	<10	0	170	<6.0

	DATE	TIME	BOD OXYGEN DEMAND, BIOCHEM CARBON. (2400 HOURS)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)
MAR. 1981							
	26-26	1100	1800	--	--	.12	.06
MAY							
	19...	1740	--	2.8	3.8	.28	.12
	20-20	0630	1300	4.0	5.4	.26	.11
SEPT.							
	05...	0830	--	--	--	--	0
	05-05	1300	1900	3.2	11	.08	.04

	DATE	TIME	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
MAR. 1981								
	26-26		0	1400	1400	.1	.0	.1
MAY								
	19...		0	110	100	.2	.2	.0
	20-20		0	250	--	.1	.1	.0
SEPT.								
	05...		1	70	--	.0	.0	.0
	05-05		0	8100	8100	.0	.0	.0

TABLE 4.--Continued

10172520 NORTH TEMPLE CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY, UTAH

LOCATION.--Lat 40°46'18", long 111°55'30", in NE¼SW¼SW¼ sec. 35, T.1 N., R.1 W., Salt Lake County, Hydrologic Unit 16020204, on right bank at North Temple Street bridge and Jordan River, at the southwest corner of the Utah State Fairgrounds in Salt Lake City.

DRAINAGE AREA.--24.5 mi² (63.5 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Velocity modified flow meter. Altitude of gage is 4,225 ft (1,288 m) from topographic map.

REMARKS.--Records fair.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 187 ft³/s (5.30 m³/s) May 28; minimum daily, 1.0 ft³/s (0.03 m³/s) Sept. 20-22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.6	3.0	2.4	5.7	2.8	4.5	6.2	42	3.4	3.6	3.1
2	1.3	1.5	2.8	2.1	4.0	3.2	4.3	8.5	47	5.4	2.8	2.8
3	1.5	1.8	2.9	1.6	3.2	8.4	4.6	17	44	4.0	2.6	2.6
4	1.2	2.0	3.2	3.2	2.2	2.9	3.5	9.6	34	3.4	2.6	2.9
5	1.1	1.9	1.6	1.8	2.3	2.7	3.8	13	36	3.4	2.6	9.1
6	1.2	2.1	1.5	1.8	2.6	2.7	3.6	8.6	45	4.5	2.3	5.3
7	1.3	2.0	1.3	1.8	2.7	2.7	3.2	9.8	43	3.7	2.5	2.8
8	1.8	1.6	1.4	1.8	2.9	2.9	3.4	12	34	3.3	2.3	2.2
9	1.5	1.5	1.4	1.7	2.9	2.4	3.6	5.7	19	6.7	2.8	1.6
10	1.6	1.6	1.6	1.6	3.1	2.4	5.3	7.6	18	3.7	2.9	1.5
11	1.7	1.7	1.7	1.7	2.9	2.6	3.3	4.3	15	3.4	3.1	1.4
12	1.7	2.7	1.6	1.7	4.6	2.9	3.0	4.1	13	3.3	3.4	1.3
13	2.2	2.1	1.5	1.6	3.8	2.9	2.5	3.8	32	3.3	3.7	1.3
14	1.4	2.1	1.6	1.8	3.6	2.8	4.3	3.7	38	3.7	3.7	1.2
15	2.2	1.7	1.5	1.7	2.9	2.9	10	21	15	3.1	2.9	1.2
16	4.5	1.6	1.6	3.1	3.2	5.4	4.8	19	5.9	2.9	3.2	1.3
17	1.6	1.6	1.7	5.8	5.8	2.0	4.4	13	4.1	3.1	2.9	1.1
18	1.5	1.6	1.5	2.2	1.6	1.7	4.5	7.2	3.9	3.1	2.9	1.1
19	1.4	1.6	1.4	2.6	1.9	1.7	4.7	5.3	4.3	3.6	2.9	1.2
20	1.7	1.9	1.4	2.8	3.5	4.1	5.4	9.8	4.6	3.2	5.1	1.0
21	2.0	1.8	3.2	2.8	2.1	1.8	4.1	29	4.3	2.5	3.1	1.0
22	1.6	1.9	1.9	2.8	2.1	1.7	4.0	15	4.6	2.5	2.6	1.0
23	1.4	2.4	2.7	2.7	2.2	1.7	4.3	19	3.9	2.5	2.6	1.1
24	1.4	2.6	1.7	2.9	3.2	2.7	4.4	18	3.1	2.8	4.8	1.3
25	1.5	2.0	1.4	2.6	3.5	3.2	5.0	22	3.9	2.2	3.7	1.5
26	3.2	2.4	1.6	3.3	5.6	11	6.2	36	4.3	2.3	3.1	1.5
27	1.6	2.0	1.6	3.6	2.3	10	6.1	40	6.2	2.5	2.9	1.3
28	1.4	2.0	1.6	4.3	3.1	2.8	5.0	48	4.8	2.6	2.8	1.3
29	1.8	3.1	1.6	4.8	---	9.0	5.5	53	3.9	3.1	2.9	1.2
30	1.7	3.7	1.7	9.6	---	7.3	6.0	52	3.6	2.8	2.8	1.2
31	1.7	---	1.9	4.6	---	4.3	---	53	---	3.4	2.8	---
TOTAL	53.1	60.1	57.1	88.8	89.5	117.6	137.3	574.2	540.4	103.4	94.9	58.4
MEAN	1.71	2.00	1.84	2.86	3.20	3.79	4.58	18.5	18.0	3.34	3.06	1.95
MAX	4.5	3.7	3.2	9.6	5.8	11	10	53	47	6.7	5.1	9.1
MIN	1.1	1.5	1.3	1.6	1.6	1.7	2.5	3.7	3.1	2.2	2.3	1.0
AC-FT	105	119	113	176	178	233	272	1140	1070	205	188	116

WTR YR 1981 TOTAL 1974.8 MEAN 5.41 MAX 53 MIN 1.0 AC-FT 3920

TABLE 4.--Continued

10172520 NORTH TEMPLE CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1980 to September 1981.

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT. 1980											
26...	0820	--	1.4	--	--	--	--	--	--	K600	K600
26...	1325	--	11	--	--	--	--	--	--	<1	20000
26...	1500	--	8.0	--	--	--	--	--	--	--	--
26...	2055	--	1.4	--	--	--	--	--	--	K1200	5100
MAR. 1981											
26...	0710	--	2.7	640	8.2	9.0	7.5	6	--	--	--
26...	1200	--	43	--	--	--	--	--	--	K4000	K11600
26-26	1100	1630	--	200	7.9	--	--	53	--	--	--
MAY											
10-11	2300	0930	--	--	7.8	--	--	120	--	--	--
11...	0005	--	50	--	--	--	--	--	--	5900	38000
11...	0245	--	3.0	--	--	--	--	--	K149000	K12000	27000
19...	1620	--	3.4	490	8.3	--	--	9	--	--	--
20...	0735	--	30	--	--	--	--	--	--	46000	98000
20-20	0700	1650	--	295	7.5	--	--	210	--	--	--
AUG.											
24-24	0500	0800	--	440	8.2	--	--	97	--	--	--
SEPT.											
05...	0600	--	19	--	--	--	--	--	K9000	--	K102000
05...	1200	--	2.3	465	8.3	--	--	62	--	--	--
05...	1333	--	101	--	--	--	--	--	>8000	35000	97000
05-05	0500	0915	--	325	7.6	--	--	130	--	--	--
05-05	1230	1600	--	310	7.6	--	--	140	--	--	--
DATE	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C. SUS- PENDE (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT. 1980											
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
MAR. 1981											
26...	210	29	47	353	0	.46	.000	.010	.01	.81	.28
26...	--	--	--	--	--	--	--	--	--	--	--
26-26	53	11	28	118	164	.54	.050	.330	.43	.92	.00
MAY											
10-11	48	3.1	6.7	81	546	.25	.010	.280	.36	1.60	.40
11...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
19...	200	23	28	283	7	.28	.010	.020	.03	.83	.00
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	130	15	15	175	533	.65	.040	.140	.18	1.30	.45
AUG.											
24-24	160	17	28	279	42	.85	.030	.370	.48	1.90	.50
SEPT.											
05...	--	--	--	--	--	--	--	--	--	--	--
05...	190	15	29	282	90	.63	.040	.170	.22	.81	.00
05...	--	--	--	--	--	--	--	--	--	--	--
05-05	110	6.0	18	224	38	--	--	--	--	--	--
05-05	110	8.0	19	188	858	--	--	--	--	--	--

K Results based on colony count outside the acceptable range (non-ideal colony count).

TABLE 4.--Continued

10172520 NORTH TEMPLE CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
OCT. 1980											
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
MAR. 1981											
26...	.53	.52	.99	.030	.050	<1	10	4	2	2	10
26...	--	--	--	--	--	--	--	--	--	--	--
26-26	.96	.63	1.6	.310	.100	2	30	42	34	8	90
MAY 1981											
10-11	1.2	.92	1.5	.850	.130	17	20	46	42	4	30
11...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
19...	.84	.82	1.1	.050	.030	<1	10	4	2	2	<10
20...	--	--	--	--	--	--	--	--	--	--	--
20-20	.85	.71	1.5	3.00	.070	0	70	110	110	4	10
AUG.											
24-24	1.4	1.0	2.3	.220	.130	<1	0	41	19	22	30
SEPT.											
05...	--	--	--	--	--	--	--	--	--	--	--
05...	.85	.68	1.5	.120	.040	<1	0	17	6	11	<10
05...	--	--	--	--	--	--	--	--	--	--	--
05-05	--	--	--	--	.090	<1	0	50	130	3	45
05-05	--	--	--	--	.060	<1	40	130	130	3	77

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT. 1980										
26...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	49	1.1
26...	--	--	--	--	--	--	--	--	--	--
MAR. 1981										
26...	7	3	4	30	20	9	.0	1.8	--	--
26...	--	--	--	--	--	--	--	--	--	--
26-26	190	180	12	150	120	30	2.9	7.9	--	--
MAY										
10-11	360	340	20	230	200	30	10	12	771	--
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
19...	3	3	0	20	10	10	.2	8.8	--	--
20...	--	--	--	--	--	--	--	--	--	--
20-20	270	270	2	360	360	0	--	10	--	--
AUG.										
24-24	200	180	20	130	90	37	--	20	90	--
SEPT.										
05...	--	--	--	--	--	--	--	--	--	--
05...	25	19	6	40	30	11	.7	6.2	33	.20
05...	--	--	--	--	--	--	--	--	--	--
05-05	170	150	16	170	140	31	--	--	1340	--
05-05	590	580	6	560	550	7	--	--	61	--

TABLE 4.--Continued

10172520 NORTH TEMPLE CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	TUR- BID- ITY (FTU)	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C
MAR. 1981							
26...	0710	--	--	--	--	--	--
26-26	1100	1630	--	8.4	12	.25	.11
MAY							
10-11	2300	0930	200	5.2	12	.12	.06
19...	1620	--	--	1.4	3.2	.12	.06
20-20	0700	1650	60	10	26	.10	.04
AUG.							
24-24	0500	0800	18	21	38	.16	.06
SEPT.							
05...	1200	--	--	3.2	8.8	.10	.04
05-05	0500	0915	--	--	--	--	--
05-05	1230	1600	--	--	--	--	--
DATE	CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
MAR. 1981							
26...	10	0	20	10	.1	.1	.0
26-26	30	0	2300	2200	.1	.1	.0
MAY							
10-11	20	0	11000	11000	.2	.2	.0
19...	10	0	120	--	.2	.2	.0
20-20	70	0	39000	39000	.9	.9	.0
AUG.							
24-24	0	0	1400	1400	.1	.1	.0
SEPT.							
05...	0	3	1100	--	.0	.0	.0
05-05	0	3	4300	4300	.1	.1	.0
05-05	39	1	22000	22000	.4	.4	.0

TABLE 4.--Continued

10172550 JORDAN RIVER AT 500 NORTH, AT SALT LAKE CITY, UTAH

LOCATION.--Lat 40°46'49", long 111°56'16", in SW¼NW¼NE¼ sec. 34, T.1 N., R.1 W., Salt Lake County, Hydrologic Unit 16020204, on left bank at 500 North Street bridge in Salt Lake City.

DRAINAGE AREA.--3,562 mi² (2,226 km²), includes 255 mi² (660 km²) closed basin in Cedar Valley.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1975 to current year. Records of stage 1960-75 are available from the Salt Lake District Office.

GAGE.--Water-stage recorder. Altitude of gage is 4,210 ft (1,283 m) from topographic map.

REMARKS.--Records good. Flow affected by regulation at Surplus Canal, other storage and regulation, and importation of water from other basins. Many diversions above station for irrigation, industrial, and municipal water supplies.

AVERAGE DISCHARGE.--7 years, 185 ft³/s (5.24 m³/s), 134,000 acre-ft/yr (165 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 792 ft³/s (22.4 m³/s) Sept. 18, 1978, gage height, 5.79 ft (1.765 m); minimum recorded, 60 ft³/s (1.70 m³/s) Oct. 18, 1979 (discharge measurement).

EXTREMES FOR CURRENT PERIOD.--Water year 1981: Maximum discharge, 446 ft³/s (12.6 m³/s) May 3, gage height, 4.56 ft (1.390 m); minimum, 137 ft³/s (3.88 m³/s) Nov. 7.

Water year 1982: Maximum discharge, 657 ft³/s (18.6 m³/s) gage height, 5.15 ft (1.570 m); minimum, 102 ft³/s (2.89 m³/s) Nov. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	170	157	204	196	194	194	200	158	226	165	181	189
2	162	152	205	195	192	194	202	166	242	193	180	187
3	162	148	204	194	250	224	206	304	308	188	173	185
4	161	149	197	202	194	198	197	192	252	172	169	185
5	158	148	227	198	192	197	196	188	224	184	172	237
6	161	146	200	194	194	195	197	187	218	220	176	237
7	161	155	197	194	194	192	194	180	219	195	182	204
8	168	176	196	194	195	192	193	221	214	187	179	202
9	167	168	189	196	196	191	191	165	196	190	184	205
10	170	176	181	200	194	189	190	160	192	199	200	215
11	168	187	181	200	188	188	195	202	190	192	203	210
12	172	281	181	200	197	188	202	177	200	184	193	195
13	175	212	180	199	195	188	195	180	196	182	187	186
14	172	209	179	199	193	188	213	175	250	175	182	178
15	249	211	177	199	190	182	200	271	213	174	178	164
16	280	202	178	199	191	196	211	307	185	170	181	168
17	208	199	177	199	203	188	190	216	177	177	188	174
18	198	203	176	197	191	177	185	180	164	184	184	174
19	198	199	180	198	193	189	190	167	159	197	184	163
20	196	182	193	198	197	205	198	198	157	190	191	159
21	189	161	198	198	187	194	200	271	161	182	189	167
22	188	152	204	198	187	187	197	208	157	182	191	170
23	184	179	200	198	188	188	193	202	151	186	197	170
24	195	241	198	197	184	193	188	229	155	187	206	170
25	194	200	197	192	171	189	186	238	147	184	190	177
26	211	205	194	190	210	236	184	249	151	194	178	170
27	192	201	190	190	214	276	189	279	144	201	172	160
28	187	200	189	190	195	216	187	257	150	190	189	162
29	185	202	190	189	---	191	172	244	166	185	205	170
30	170	209	198	215	---	242	159	235	165	181	198	170
31	161	---	198	195	---	192	---	238	---	180	195	---
TOTAL	5712	5610	5958	6103	5469	6159	5802	6644	5729	5770	5777	5503
MEAN	184	187	192	197	195	199	193	214	191	186	186	183
MAX	280	281	227	215	250	276	213	307	308	220	206	237
MIN	158	146	176	189	171	177	159	158	144	165	169	159
AC-FT	11330	11130	11820	12110	10850	12220	11510	13180	11360	11440	11460	10920

CAL YR 1980 TOTAL 71341 MEAN 195 MAX 320 MIN 100 AC-FT 141500
WTR YR 1981 TOTAL 70236 MEAN 192 MAX 308 MIN 144 AC-FT 139300

TABLE 4.--Continued

10172550 JORDAN RIVER AT 500 NORTH, AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	160	182	175	195	171	200	226	314	348	332	203	213
2	159	178	181	185	184	240	281	347	375	311	198	210
3	188	172	176	180	192	210	233	359	362	271	207	200
4	275	170	170	177	181	183	296	303	343	262	204	203
5	185	168	165	173	181	275	268	360	327	305	196	207
6	173	160	168	167	185	271	272	365	330	303	194	208
7	163	160	176	159	185	227	272	358	321	263	202	215
8	272	155	178	165	187	159	256	346	316	282	215	224
9	167	154	177	175	187	190	255	372	306	268	206	211
10	197	148	173	175	189	193	260	390	307	258	199	272
11	216	144	153	176	186	198	247	305	311	249	200	236
12	182	143	147	175	198	222	326	314	303	233	207	229
13	166	181	180	176	202	193	306	295	309	210	201	268
14	160	141	161	177	219	194	334	282	351	220	188	257
15	148	146	171	177	207	238	313	273	349	236	185	214
16	174	155	128	177	209	189	329	299	336	232	181	218
17	161	146	135	180	206	187	331	358	333	223	188	215
18	155	160	165	185	200	267	313	299	327	218	177	212
19	159	109	194	182	202	262	267	394	323	210	183	207
20	168	108	180	181	207	229	260	296	315	214	201	216
21	172	106	202	181	192	218	227	283	309	221	201	227
22	167	135	190	187	200	215	264	277	304	217	203	235
23	161	175	180	185	220	198	237	273	300	222	195	229
24	160	180	172	189	205	192	288	294	294	221	194	229
25	157	203	175	188	201	192	308	321	286	224	201	238
26	157	149	170	198	208	200	308	325	290	216	204	450
27	154	148	185	226	204	211	308	341	258	217	216	320
28	156	144	169	184	200	206	313	421	261	325	237	450
29	290	154	167	176	---	282	329	385	269	268	218	230
30	280	180	212	170	---	239	300	362	280	235	215	220
31	190	---	180	172	---	226	---	338	---	214	213	---
TOTAL	5672	4654	5355	5593	5508	6706	8527	10249	9443	7680	6232	7263
MEAN	183	155	173	180	197	216	284	331	315	248	201	242
MAX	290	203	212	226	220	282	334	421	375	332	237	450
MIN	148	106	128	159	171	159	226	273	258	210	177	200
AC-FT	11250	9230	10620	11090	10930	13300	16910	20330	18730	15230	12360	14410
CAL YR 1981	TOTAL	68637	MEAN 188	MAX 308	MIN 106	AC-FT 136100						
WTR YR 1982	TOTAL	82882	MEAN 227	MAX 450	MIN 106	AC-FT 164400						

TABLE 4.--Continued

10172550 JORDAN RIVER AT 500 NORTH, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1980 to September 1982.

WATER-QUALITY DATA									
DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)
OCT. 1980								<1	K800
26...	0930	200	--	--	--	--	--	K2000	2000
26...	1530	253	--	--	--	--	--		
DEC.								K1200	K600
03...	0955	203	17.5	6.5	--	--	--		
JAN. 1981								K10	200
14...	1000	198	.0	4.0	11.4	97	--		
FEB.								K150	360
24...	0910	185	12.0	7.0	9.3	91	3700		
MAR.									
26...	0830	189	--	9.5	6.3	65	--	--	--
26...	0850	189	--	12.0	--	--	--	--	--
26...	0950	189	--	9.5	6.4	67	--	--	--
26...	1245	207	--	9.0	7.0	72	--	--	--
26...	1340	236	--	8.5	--	--	K10200	K800	2700
26...	1410	269	--	8.5	6.9	70	--	--	--
26...	1500	293	--	8.5	6.9	70	--	--	--
26...	1700	322	--	7.5	7.8	78	--	--	--
26...	1825	318	--	7.0	--	--	60000	K2700	2900
26...	1920	308	--	6.5	8.1	79	--	--	--
26...	2130	282	--	7.0	7.8	77	--	--	--
26...	2345	262	--	7.0	7.6	74	--	--	--
APR.								2300	3300
28...	0930	191	15.0	12.0	6.2	67	69000		
MAY								K12400	K9100
11...	0100	291	10.5	14.0	6.8	77	K110000	6400	10000
11...	0200	310	13.0	13.5	6.0	67	--	--	--
11...	0300	299	--	13.5	6.1	69	--	--	--
11...	0630	231	8.0	13.0	5.5	61	--	--	--
11...	1030	176	12.5	12.5	5.4	59	--	--	--
19...	1915	166	21.0	15.0	--	--	--	--	--
19...	2000	166	21.0	15.0	5.6	67	--	--	--
20...	0800	175	10.0	13.5	5.3	61	--	--	--
20...	0830	186	--	13.0	--	--	520	--	K8000
20...	0850	187	--	13.0	5.3	60	--	--	--
20...	1040	203	--	13.0	5.1	58	9000	--	K106000
20...	1300	205	--	13.0	5.6	64	--	--	--
20...	1600	240	14.5	13.5	5.8	67	30000	--	K134000
20...	2015	208	12.0	13.0	5.7	65	--	--	--
20...	2300	190	13.0	13.0	5.7	65	--	--	--
JUNE								K770	910
04...	1420	254	21.0	14.0	7.4	84	85000	K9400	590
23...	1350	149	--	21.0	4.5	68	K850000	--	--
24...	1350	151	--	--	--	--	--	--	--
JULY								K1400	910
15...	1445	175	30.0	21.0	4.5	59	K800	220	2900
28...	0800	192	--	19.0	3.5	44	5900	--	--
28...	0900	191	--	19.0	3.4	43	--	--	--
28...	1000	190	--	19.0	3.6	46	6600	K160	2600
28...	1100	190	--	19.0	3.8	48	--	--	--
28...	1200	189	--	19.5	3.9	50	4700	2600	K1070
28...	1300	190	--	20.0	4.2	55	--	--	--
28...	1400	190	--	20.0	4.2	55	5100	K170	K1030
28...	1500	190	--	20.5	4.3	57	--	--	--
28...	1600	190	--	21.0	4.4	58	5400	K1400	590
28...	1715	189	--	21.5	4.3	57	--	--	--
28...	1815	189	--	21.5	4.0	53	3300	3100	850
28...	1900	189	--	21.5	4.0	53	--	--	--
28...	2000	188	--	21.5	4.0	53	5400	450	3800
28...	2100	188	--	21.5	3.7	49	--	--	--
28...	2200	188	--	21.5	3.5	47	3200	500	1000
28...	2300	188	--	21.5	3.3	44	--	--	--
29...	0030	187	--	21.0	3.3	43	--	--	--
29...	0230	187	--	21.0	3.2	42	4200	450	2000
29...	0600	188	--	20.0	3.3	43	1400	730	310
29...	0900	187	--	19.5	3.6	46	--	--	--
AUG.								2500	770
12...	1500	191	24.0	20.0	4.7	61	8600	--	--
28...	1100	187	--	--	--	--	--	--	--

K Results based on colony count outside the acceptable range (non-ideal colony count).

TABLE 4.--Continued

10172550 JORDAN RIVER AT 500 NORTH, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)
SEPT. 1981									
02...	1330	189	21.5	19.0	4.4	56	K116000	30000	4100
04...	1205	186	25.0	18.0	--	--	--	--	--
04...	1300	188	32.0	19.0	--	--	--	--	--
04...	1400	190	32.5	18.0	--	--	--	--	--
04...	1530	190	--	20.0	--	--	--	--	--
04...	1600	189	--	20.0	--	--	--	--	--
05...	0615	194	--	--	--	--	--	--	--
OCT.									
20...	1330	166	18.5	12.5	6.2	67	K19000	580	930
NOV.									
17...	1330	126	17.5	12.0	5.3	58	6100	K1	890
DEC.									
15...	1115	170	12.0	8.5	6.7	67	K17000	K1700	K12000
JAN. 1982									
26...	1340	186	15.0	5.5	9.0	84	6000	380	870
FEB.									
24...	1315	180	3.5	6.5	9.1	86	2000	K1300	1700
APR.									
07...	1230	272	9.0	7.0	9.2	89	11000	2600	2000
27...	1345	311	19.5	11.5	8.6	92	K20000	900	1500
MAY									
25...	1330	319	24.0	12.0	8.2	89	26000	310	820
JUNE									
22...	0745	304	17.5	15.0	6.6	76	--	--	--
JULY									
20...	0745	223	22.5	19.0	3.7	47	17000	3000	18000
AUG.									
24...	0830	193	21.0	21.0	3.1	40	>100000	9600	>100000
SEPT.									
02...	1400	210	--	19.0	4.8	60	--	--	--

K Results based on colony count outside the acceptable range (non-ideal colony count).

TABLE 4.--Continued

10172550 JORDAN RIVER AT 500 NORTH, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TUR- BID- ITY (FTU)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	ALKA- LITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)
OCT. 1980											
26...	0930	--	2620	7.8	--	33	210	240	200	912	843
26...	1530	--	2040	7.9	--	53	190	200	170	787	754
DEC.											
03...	0955	--	1300	7.7	--	160	230	250	210	940	945
JAN. 1981											
14...	1000	--	1250	7.6	19	130	--	250	200	958	908
FEB.											
24...	0910	--	1570	7.8	17	49	220	260	200	910	917
MAR.											
26...	0850	--	--	7.8	18	28	210	270	200	901	--
26...	2130	--	--	--	--	--	--	--	--	--	--
26-26	0900	2400	1060	7.3	34	38	160	180	160	691	--
APR.											
28...	0930	--	1160	7.9	52	200	190	200	170	744	--
MAY											
10-11	2300	1200	890	7.2	58	69	150	160	120	571	--
11...	0100	--	--	--	--	--	--	--	--	--	--
11...	0200	--	--	--	--	--	--	--	--	--	--
19...	1915	--	1150	7.8	18	23	200	210	160	759	--
20...	0830	--	--	--	--	--	--	--	--	--	--
20...	1040	--	--	--	--	--	--	--	--	--	--
20...	1600	--	--	--	--	--	--	--	--	--	--
20-20	0800	2330	920	7.8	81	33	180	170	120	610	--
JUNE											
04...	1420	--	--	7.8	17	23	160	93	67	416	--
23...	1350	--	1270	7.6	15	32	210	230	170	830	--
JULY											
15...	1445	--	1830	7.6	23	41	240	290	230	1030	--
AUG.											
12...	1500	--	1640	7.8	--	79	250	270	230	1050	--
28...	1100	--	--	--	--	--	--	--	--	--	--
SEPT.											
02...	1330	--	1680	7.8	26	100	240	300	240	1010	--
05...	0615	--	1660	7.9	28	110	230	300	230	1070	--
05-06	1300	0300	1180	7.7	57	94	160	220	180	747	--
OCT.											
20...	1330	--	1640	7.8	22	69	240	320	240	1090	--
NOV.											
17...	1330	--	1670	7.9	17	58	260	300	240	1120	--
DEC.											
15...	1115	--	1450	8.0	17	--	--	--	--	--	--
JAN. 1982											
26...	1340	--	1600	8.0	17	--	--	--	--	1060	--
FEB.											
24...	1315	--	1410	8.0	23	--	--	--	--	--	--
APR.											
07...	1230	--	1270	8.0	35	--	--	--	--	808	--
27...	1345	--	710	8.4	41	--	--	--	--	--	--
MAY											
25...	1330	--	580	8.2	30	--	--	--	--	435	--
JUNE											
22...	0745	--	730	8.1	23	21	166	110	82	467	80
JULY											
20...	0745	--	1260	8.0	15	27	215	220	170	804	27
AUG.											
24...	0830	--	1530	8.0	33	34	242	280	210	1040	145

TABLE 4.--Continued

10172550 JORDAN RIVER AT 500 NORTH, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)
OCT. 1980										
26...	21	1.30	.130	.900	1.2	3.30	.80	2.5	1.6	3.9
26...	44	1.20	.110	.630	.81	2.30	.10	2.2	1.6	3.5
DEC.										
03...	49	1.30	.080	1.30	1.7	2.40	.20	2.2	.90	3.6
JAN. 1981										
14...	34	1.10	.040	1.40	1.8	2.60	.40	2.2	.80	3.3
FEB.										
24...	28	1.00	.070	1.30	1.7	3.10	1.0	2.1	.80	3.2
MAR.										
26...	53	.90	.100	.980	1.3	2.90	.50	2.4	1.4	3.4
26...	--	--	--	--	--	--	--	--	--	--
26-26	90	1.00	.070	.950	1.2	2.10	.40	1.7	.75	2.8
APR.										
28...	90	1.20	.110	1.20	1.5	2.60	.80	1.8	.60	3.1
MAY										
10-11	132	1.30	.130	1.20	1.5	3.00	1.5	1.5	.30	2.9
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
19...	34	1.40	.150	1.20	1.5	2.20	.00	2.3	1.1	3.8
20...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
20-20	180	1.20	.120	.920	1.2	2.60	.70	1.9	.98	3.2
JUNE										
04...	67	.87	.050	.660	.85	1.20	.31	.89	.23	1.8
23...	24	1.80	.230	1.70	2.2	3.40	1.0	2.4	.70	4.4
JULY										
15...	36	1.70	.320	1.40	1.8	3.50	1.4	2.1	.70	4.1
AUG.										
12...	35	1.10	.260	1.10	1.4	3.70	1.6	2.1	1.0	3.5
28...	--	--	--	--	--	--	--	--	--	--
SEPT.										
02...	80	1.50	.290	1.60	2.1	2.50	.00	2.6	1.0	4.4
05...	131	1.60	.330	1.30	1.7	3.00	.90	2.1	.80	4.0
05-06	160	.99	.210	.550	.71	1.70	.20	1.5	.95	2.7
OCT.										
20...	46	1.80	.190	1.50	1.9	2.70	.00	2.7	1.2	4.7
NOV.										
17...	19	2.50	.250	2.90	3.7	4.40	.70	3.7	.80	6.4
JAN. 1982										
26...	36	--	--	1.50	1.9	--	--	2.3	.80	3.5
FEB.										
24...	--	--	--	--	--	--	--	--	--	--
APR.										
07...	71	--	--	.860	1.1	--	--	1.7	.83	2.8
27...	--	--	--	--	--	--	--	--	--	--
MAY										
25...	65	--	--	.320	.41	--	--	1.0	.68	1.7
JUNE										
22...	80	.75	.070	.410	.53	--	--	1.7	1.3	2.5
JULY										
20...	27	1.40	.220	1.20	1.5	--	--	2.1	.90	3.7
AUG.										
24...	145	1.70	.320	1.50	1.9	4.10	1.1	3.0	1.5	5.0

TABLE 4.--Continued

10172550 JORDAN RIVER AT 500 NORTH, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT. 1980										
26...	.990	.840	2	7	24	24	23	35	--	<10
26...	.760	.640	<1	12	24	<10	24	44	--	<10
DEC.										
03...	1.00	.730	<1	12	34	<10	19	82	--	<10
JAN. 1981										
14...	1.20	1.00	<1	15	20	<10	33	9	0	22
FEB.										
24...	1.00	.830	1	5	36	<10	<10	33	--	<10
MAR.										
26...	.930	.790	<1	20	18	6	20	26	24	2
26...	--	--	--	--	--	--	--	--	--	--
26-26	.720	.530	1	20	26	20	40	66	65	1
APR.										
28...	1.20	.800	<1	10	85	3	10	60	60	0
MAY										
10-11	1.00	.640	0	10	40	3	40	140	120	21
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
19...	.950	.800	<1	10	16	2	<10	20	20	0
20...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
20-20	.860	.590	<1	10	25	4	10	47	43	4
JUNE										
04...	.480	.320	<1	20	21	6	20	42	32	10
23...	1.60	1.30	<1	10	13	4	20	20	20	0
JULY										
15...	1.50	1.10	<1	20	16	4	20	32	30	2
AUG.										
12...	1.40	1.00	<1	20	20	3	16	30	27	3
28...	--	--	1	10	25	5	40	39	38	1
SEPT.										
02...	1.70	1.50	<1	10	24	3	16	46	43	3
05...	1.70	1.30	<1	10	27	8	12	36	31	5
05-06	.870	.560	<1	10	46	4	29	190	180	6
OCT.										
20...	1.30	1.10	<1	20	25	7	11	35	33	2
NOV.										
17...	1.80	1.70	<1	10	25	7	<10	64	--	<1
DEC.										
15...	--	--	--	--	--	--	--	--	--	--
JAN. 1982										
26...	.840	.720	<1	--	--	4	--	--	--	--
FEB.										
24...	--	--	--	--	--	--	--	--	--	--
APR.										
07...	.550	.440	1	--	--	4	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
MAY										
25...	.260	.280	<1	--	--	2	--	--	--	--
JUNE										
22...	.490	.380	<1	<10	27	4	10	29	--	<1
JULY										
20...	1.60	1.10	<1	20	13	3	15	29	--	<1
AUG.										
24...	2.00	1.40	<1	<10	32	4	8	35	--	<1

TABLE 4.--Continued

10172550 JORDAN RIVER AT 500 NORTH, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT. 1980										
26...	--	--	--	70	6	64	1.3	18	--	--
26...	--	--	--	80	60	18	1.0	11	--	--
DEC.										
03...	--	--	--	90	80	8	2.8	6.9	--	--
JAN. 1981										
14...	.1	.0	.1	50	30	18	.6	25	39	21
FEB.										
24...	.1	.0	.1	40	20	16	2.2	19	73	36
MAR.										
26...	.2	.2	.0	90	50	40	1.9	9.5	--	--
26...	--	--	--	--	--	--	--	--	330	251
26-26	.2	.1	.1	80	0	280	.9	9.1	--	--
APR.										
28...	.1	.1	.0	80	70	10	1.7	11	203	105
MAY										
10-11	.2	.2	.0	120	90	30	4.3	17	280	--
11...	--	--	--	--	--	--	--	--	660	519
11...	--	--	--	--	--	--	--	--	515	431
19...	.3	.3	.0	50	30	20	1.2	6.7	--	--
20...	--	--	--	--	--	--	--	--	85	43
20...	--	--	--	--	--	--	--	--	72	39
20...	--	--	--	--	--	--	--	--	774	502
20-20	.2	.2	.0	70	50	20	1.3	11	--	--
JUNE										
04...	.1	.1	.0	50	30	20	1.7	5.5	84	58
23...	.1	.1	.0	330	170	160	1.1	8.7	36	14
JULY										
15...	.3	.3	.0	50	30	20	1.4	5.7	188	89
AUG.										
12...	.0	.0	.0	90	70	16	.2	6.3	177	91
28...	.1	.1	.0	50	0	60	--	--	--	--
SEPT.										
02...	.0	.0	.0	80	70	14	1.5	6.3	192	98
05...	.0	.0	.0	70	40	26	3.6	7.2	170	89
05-06	.1	.1	.0	150	130	20	4.0	10	269	--
OCT.										
20...	.1	.1	.0	60	30	33	2.0	6.8	195	87
NOV.										
17...	.1	--	<.1	50	40	11	1.8	6.4	206	70
JAN. 1982										
26...	--	--	--	--	--	20	--	--	142	71
FEB.										
24...	--	--	--	--	--	--	--	--	73	35
APR.										
07...	--	--	--	--	--	20	1.6	--	307	225
MAY										
25...	--	--	--	--	--	10	1.3	--	365	314
JUNE										
22...	.2	.1	.1	70	60	13	1.3	3.4	139	114
JULY										
20...	.2	--	<.1	40	10	30	1.7	5.3	206	124
AUG.										
24...	.1	--	<.1	60	40	17	3.1	6.0	55	29

TABLE 4.--Continued

10172550 JORDAN RIVER AT 500 NORTH, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C	CHRO- MIUM, SUS- PENDE D RECOV. (UG/L AS CR)
OCT. 1980							
26...	0930	--	--	--	--	--	--
FEB. 1981							
24...	0910	--	28	43	.21	.10	--
MAR.							
26...	0850	--	6.6	11	.18	.08	20
26-26	0900	2400	13	21	.21	.10	20
APR.							
28...	0930	--	16	21	.30	.13	10
MAY							
10-11	2300	1200	9.6	20	.14	.06	10
19...	1915	--	4.6	15	.08	.04	10
20-20	0800	2330	7.0	12	.18	.08	10
JUNE							
04...	1420	--	5.8	9.0	.21	.10	8
23...	1350	--	5.2	12	.11	.04	3
JULY							
15...	1445	--	6.2	17	.10	.04	11
AUG.							
12...	1500	--	6.6	14	.12	.06	18
28...	1100	--	--	--	--	--	0
SEPT.							
02...	1330	--	5.6	13	.12	.04	6
05...	0615	--	6.0	21	.06	.02	4
05-06	1300	0300	9.0	25	.10	.04	9
OCT.							
20...	1330	--	7.2	12	.18	.08	16
NOV.							
17...	1330	--	9.1	19	.13	.06	9
DEC.							
15...	1115	--	26	40	.21	.10	--
JAN. 1982							
26...	1340	--	12	18	.21	.10	--
FEB.							
24...	1315	--	32	78	.11	.04	--
APR.							
07...	1230	--	16	21	.27	.12	--
27...	1345	--	5.4	11	.15	.06	--
MAY							
25...	1330	--	6.0	8.9	.22	.10	--
JUNE							
22...	0745	--	4.9	7.9	.19	.08	--
JULY							
20...	0745	--	6.6	12	.16	.06	19
AUG.							
24...	0830	--	7.6	14	.15	.06	--

TABLE 4.--Continued

10172550 JORDAN RIVER AT 500 NORTH, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT. 1980						
26...	--	0	--	--	--	--
FEB. 1981						
24...	--	--	--	--	--	--
MAR.						
26...	0	12	950	930	--	--
26-26	0	6	1500	1500	--	--
APR.						
28...	0	82	1800	1800	9.17	.000
MAY						
10-11	0	37	3100	3100	--	--
19...	0	14	820	--	--	--
20-20	0	21	4200	4200	--	--
JUNE						
04...	12	15	1400	1400	3.39	.000
23...	7	9	540	520	6.54	.000
JULY						
15...	9	12	810	790	2.97	.000
AUG.						
12...	2	17	1100	1100	17.8	<.010
28...	10	20	1200	1200	--	--
SEPT.						
02...	4	21	1400	1400	9.01	1.88
05...	6	19	1300	1300	--	--
05-06	1	42	3700	3700	--	--
OCT.						
20...	4	18	1100	1100	22.5	<.100
NOV.						
17...	1	18	680	--	8.82	4.89
DEC.						
15...	--	--	--	--	--	--
JAN. 1982						
26...	--	--	--	--	--	--
FEB.						
24...	--	--	--	--	--	--
APR.						
07...	--	--	--	--	--	--
27...	--	--	--	--	6.54	<.100
MAY						
25...	--	--	--	--	3.30	<.100
JUNE						
22...	<1	23	1300	1300	--	--
JULY						
20...	1	10	1100	1100	11.0	<.100
AUG.						
24...	3	28	2600	2600	9.10	<.100

TABLE 4.--Continued

10172550 JORDAN RIVER AT 500 NORTH, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

		HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	
DATE	TIME												
OCT. 1980													
26...	0930	350	140	--	71	42	120	3.1	12	.6	24	370	
26...	1530	340	150	--	71	40	120	3.1	11	.6	20	580	
DEC.													
03...	0955	430	200	--	84	53	160	3.8	17	.7	24	140	
JAN. 1981													
14...	1000	420	200	--	84	51	150	3.6	12	.8	22	270	
FEB.													
24...	0910	420	200	--	80	52	150	3.6	13	.5	23	460	
AUG.													
12...	1500	470	--	220	97	55	--	--	--	--	--	--	
28...	1100	490	--	--	100	58	--	--	--	--	--	--	
OCT.													
20...	1330	510	--	270	110	56	170	3.6	--	--	--	--	
NOV.													
17...	1330	520	--	260	120	54	160	3.3	--	--	--	--	
JUNE 1982													
22...	0745	250	--	82	58	25	59	1.8	5.5	--	--	--	
JULY													
20...	0745	380	--	170	83	42	120	3.0	12	--	--	--	
AUG.													
24...	0830	470	--	220	99	53	160	3.6	--	--	--	--	
		BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE D RECOV- ERABLE (UG/L AS CD)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
DATE	TIME												
OCT. 1980													
26...	70	<1	1	0	--	<3	110	18	<10	0	900	<6.0	
26...	80	<1	1	--	--	<3	110	17	<10	0	880	<6.0	
DEC.													
03...	80	<1	1	--	2	<3	140	21	<10	1	1100	<6.0	
JAN. 1981													
14...	80	<1	1	--	0	<3	130	16	12	0	1100	8.0	
FEB.													
24...	80	<1	1	0	0	<3	130	18	<10	1	1200	<3.0	
AUG.													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	100	--	1	0	0	0	--	60	--	1	--	--	--
OCT.													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV.													
17...	53	--	<1	--	--	--	--	--	--	<1	--	--	--
JUNE 1982													
22...	55	--	1	--	--	--	--	--	--	<1	--	--	--
JULY													
20...	65	--	1	--	--	--	--	--	--	1	--	--	--
AUG.													
24...	70	--	<1	--	--	--	--	--	--	1	--	--	--
		ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE D RECOV- ERABLE (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE D RECOV- ERABLE (UG/L AS BA)	BERYL- LIUM, RECOV- ERABLE (UG/G)	BORON, DIS- SOLVED (UG/L AS B)	CADMIUM RECOV- ERABLE (UG/G AS CD)	CHRO- MIUM, RECOV- ERABLE (UG/G AS CR)	COPPER, RECOV- ERABLE (UG/G AS CU)	
DATE	TIME												
AUG. 1981													
28...	1100	18	1	17	10	100	0	<1	330	1	6	47	
NOV.													
17...	1330	16	--	--	--	100	50	--	340	--	--	--	
JUNE 1982													
22...	0745	7	--	--	--	<100	--	--	120	--	--	--	
JULY													
20...	0745	13	--	--	--	100	40	--	270	--	--	--	
AUG.													
24...	0830	17	--	--	12	<100	--	<1	350	2	7	39	

TABLE 4.--Continued

10172550 JORDAN RIVER AT 500 NORTH, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	
AUG. 1981													
28...	200	70	10	.04	5	3	2	2	0	2	0	1	
NOV.													
17...	--	--	--	--	--	--	--	2	0	3	--	--	
JUNE 1982													
22...	--	--	--	--	--	--	--	1	0	1	--	--	
JULY													
20...	--	--	--	--	--	--	--	1	0	1	--	--	
AUG.													
24...	110	--	--	.05	--	--	--	2	0	2	<1	--	
DATE	SILVER, DIS- SOLVED (UG/L AS AG)	SILVER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS AG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS 2N)	CYANIDE TOTAL (MG/L AS CN)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)		
AUG. 1981													
28...	0	--	330	.00	.00	5	.00	14	.00	.0	.00		
NOV.													
17...	<1	--	--	<.01	--	4	--	--	--	--	--		
JUNE 1982													
22...	<1	--	--	<.01	--	2	--	--	--	--	--		
JULY													
20...	<1	--	--	<.01	--	4	--	--	--	--	--		
AUG.													
24...	<1	1	140	<.01	--	3	--	37	--	<.1	--		
DATE	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
AUG. 1981													
28...	43	.00	3.8	.00	3.3	.00	1.4	.00	.4	.00	.0		
AUG. 1982													
24...	61	--	4.9	--	2.0	--	.5	--	1.8	--	<.1		
DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR, EPOXIDE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)
AUG. 1981													
28...	.00	.0	.00	.0	.00	.0	.0	.0	.00	.0	.0	0	
AUG. 1982													
24...	--	<.1	--	.3	--	<.1	<.1	12	--	<.1	--	--	
DATE	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2, 4-DP TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4,5-T TOTAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
AUG. 1981													
28...	.0	.09	.0	.00	.0	.00	.0	.00	.00	.01	.0	.0	
AUG. 1982													
24...	<10	--	<.1	--	<.1	--	<.1	--	<1.00	--	<.1	<.1	

TABLE 4.--Continued

10172550 JORDAN RIVER AT 500 NORTH, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	TIME	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	BENZENE TOTAL (UG/L)	BROM- OFORM TOTAL (UG/L)	CARBON- TETRA- CHLO- RIDE TOTAL (UG/L)	CHLORO- BENZENE TOTAL (UG/L)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L)	CHLORO- ETHANE TOTAL (UG/L)	CHLORO- OFORM TOTAL (UG/L)	DI- CHLORO- BROMO- METHANE TOTAL (UG/L)
JUNE 1982										
22...	0745	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AUG.										
24...	0830	56000	--	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0

DATE	TIME	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L)	ETHYL- BENZENE TOTAL (UG/L)	METHYL- BROMIDE TOTAL (UG/L)	METHYL- ENE CHLO- RIDE TOTAL (UG/L)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L)	TRI- CHLORO- FLOURO- METHANE TOTAL (UG/L)	VINYL CHLO- RIDE TOTAL (UG/L)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L)
JUNE 1982											
22...	<1.0	<1.0	<1.0	<1.0	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AUG.											
24...	<1.0	<1.0	<1.0	--	1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0

DATE	TIME	1,1-DI- CHLORO- ETHANE TOTAL (UG/L)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L)	1,1,2,2 TETRA- CHLORO- ETHANE TOTAL (UG/L)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L)	1,3-DI- CHLORO- PROPENE TOTAL (UG/L)	CHLORO- ETHYL- ENE TOTAL (UG/L)	2- CHLORO- ETHYL- VINYL- ETHER TOTAL (UG/L)
JUNE 1982										
22...	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AUG.										
24...	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

DATE	TIME	SED. TOTAL, FALL DIAM. % FINER THAN .002 MM	SED. TOTAL, FALL DIAM. % FINER THAN .004 MM	SED. TOTAL, FALL DIAM. % FINER THAN .016 MM	SED. TOTAL, FALL DIAM. % FINER THAN .062 MM
APR. 1982					
27...	1345	30	44	59	80
MAY					
25...	1330	34	42	54	78
JUNE					
22...	0745	34	44	57	80
AUG.					
24...	0830	12	27	47	82

10172550 JORDAN RIVER AT 500 NORTH, AT SALT LAKE CITY, UTAH--Continued

PHYTOPLANKTON ANALYSES

DATE	AUG 24, 82
TIME	0830
TOTAL CELLS/ML	56000
DIVERSITY: DIVISION	0.3
.CLASS	0.3
..ORDER	1.6
...FAMILY	1.6
....GENUS	2.0

ORGANISM	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)		
.BACILLARIOPHYCEAE		
..ACHNANTHALES		
...ACHNANTHACEAE		
....COCCONEIS	*	0
....RHOICOSPHENIA	*	0
..BACILLARIALES		
...NITZSCHIA		
....NITZSCHIA	510	1
..EUPODISCALES		
...COSCINODISCACEAE		
....CYCLOTELLA	*	0
..FRAGILARIALES		
...FRAGILARIACEAE		
....SYNEDRA	*	0
..NAVICULALES		
...CYMBELLACEAE		
....CYMBELLA	*	0
...GOMPHONEMACEAE		
....GOMPHONEMA	*	0
...NAVICULACEAE		
....NAVICULA	580	1
CHLOROPHYTA (GREEN ALGAE)		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	*	0
....OOCYSTIS	*	0
...SCENEDESMACEAE		
....SCENEDESMUS	*	0
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	*	0
CHRYSTOPHYTA		
.XANTHOPHYCEAE		
..MISCHOCOCCALES		
...SCIADACEAE		
....OPHIOCYTIUM	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)		
.CYANOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
....ANACYSTIS	3600	6
....GOMPHOSPHERIA	27000#	49
..NOSTOCALES		
...NOSTOCACEAE		
....ANABAENA	19000#	33
..OSCILLATORIALES		
...OSCILLATORIACEAE		
....LYNGBYA	1300	2
....OSCILLATORIA	2700	5
EUGLENOPHYTA (EUGLENOIDS)		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....EUGLENA	*	0
....TRACHELOMONAS	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

TABLE 4.--Continued

404653111545801 NINTH WEST CONDUIT AT 536 NORTH, AT SALT LAKE CITY, UTAH

LOCATION.--Lat 40°46'53", long 111°54'58", in SE¼NW¼NE¼ sec. 35, T.1 N., R.1 W., Salt Lake County, Hydrologic Unit 16020204, east side of 900 West, 300 ft (91 m) north of 500 North and 900 West intersection in Salt Lake City, Utah.

DRAINAGE AREA.--0.23 mi² (0.60 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July to September 1981.

GAGE.--Velocity modified flow meter. Altitude of gage is 4,219 ft (1,286 m) from topographic map.

REMARKS.--Records good.

EXTREMES FOR CURRENT PERIOD.--Maximum discharge, 4.4 ft³/s (0.12 m³/s) Sept. 5; no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										---	.00	.00
2										---	.00	.00
3										---	.00	.00
4										---	.00	.00
5										---	.00	.25
6										---	.00	.12
7										---	.00	.00
8										---	.00	.00
9										---	.00	.00
10										---	.01	.00
11										---	.00	.00
12										---	.00	.00
13										---	.00	.00
14										---	.00	.00
15										---	.00	.00
16										---	.00	.00
17										---	.00	.00
18										---	.00	.00
19										---	.00	.00
20										---	.01	.00
21										.00	.00	.00
22										.00	.00	.00
23										.00	.00	.00
24										.00	.05	.00
25										.00	.00	.00
26										.00	.00	.00
27										.00	.00	.00
28										.00	.00	.00
29										.00	.00	.00
30										.00	.00	.00
31										.00	.00	---
TOTAL										---	.07	.37
MEAN										---	.002	.012
MAX										---	.05	.25
MIN										---	.00	.00
AC-FT										---	.1	.7

TABLE 4.--Continued

404653111545801 NINTH WEST CONDUIT AT 536 NORTH, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August to November 1981.

WATER-QUALITY DATA

DATE	TIME	END- ING TIME (2400 HOURS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TUR- BID- ITY (FTU)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM. CARBON. 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON- ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C	DEOXYGE NATION CARBON K1 TO BASE 10 PER DAY AT 20C	ALKA- LINITY LAB (MG/L AS CACO3)
AUG. 1981											
24-24	0600	0920	265	7.3	48	350	52	140	.10	.04	56
SEPT.											
06-06	0600	0900	145	6.9	--	94	--	--	--	--	45
OCT.											
03-03	0930	1500	175	7.5	--	260	--	--	--	--	49
03-04	2200	0400	85	7.2	--	110	14	24	.17	.08	23
04-04	1830	2200	160	7.2	--	1100	--	--	--	--	28
08-08	0001	0630	70	7.2	--	100	--	--	--	--	26
10-10	1530	2030	99	7.1	--	130	16	34	.12	.06	23
11-11	0130	0630	90	7.4	--	59	7.2	16	.12	.06	21
28-29	2330	0530	81	8.0	--	78	19	31	.08	.19	18
NOV.											
17-17	2000	2200	145	7.8	--	140	37	56	.10	.22	18
24-25	2210	0430	120	8.6	--	79	22	34	.10	.22	26
DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)
AUG. 1981											
24-24	8.0	14	272	132	1.80	--	.170	--	1.30	1.7	--
SEPT.											
06-06	<5.0	21	111	65	--	--	--	--	--	--	--
OCT.											
03-03	7.0	10	174	68	1.00	--	.090	--	.120	.15	--
03-04	5.0	13	66	53	.28	--	.040	--	.310	.40	--
04-04	7.0	12	153	102	.50	--	.090	--	.180	.23	--
08-08	<5.0	2.9	26	44	.37	--	.050	--	.420	.54	--
10-10	<5.0	4.2	77	135	.68	--	.100	--	.530	.68	--
11-11	<5.0	3.0	50	50	.54	--	.060	--	.390	.50	--
28-29	<5.0	6.8	50	28	.29	.040	.120	.400	.480	.62	.80
NOV.											
17-17	8.0	11	102	114	.82	--	.070	--	.660	.85	--
24-25	5.0	6.8	82	35	.52	--	.070	--	.390	.50	--
DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	
AUG. 1981											
24-24	7.50	2.8	4.7	--	3.4	6.7	.570	.330	<1	20	
SEPT.											
06-06	--	--	--	--	--	--	--	--	<1	10	
OCT.											
03-03	3.70	.20	3.5	--	3.4	4.6	.460	.460	<1	10	
03-04	1.30	.51	.79	--	.48	1.1	.290	.190	<1	10	
04-04	2.10	.90	1.2	--	1.0	1.8	.320	.210	<1	20	
08-08	1.30	.30	1.0	--	.58	1.4	.250	.160	--	10	
10-10	2.10	.90	1.2	--	.67	2.0	.190	.100	<1	10	
11-11	.99	.20	.79	--	.40	1.4	.140	.070	3	10	
28-29	1.20	.23	.97	1.5	.49	1.4	.180	.160	<1	10	
NOV.											
17-17	2.00	.60	1.4	--	.74	2.3	.330	.170	3	20	
24-25	1.20	.38	.82	--	.43	1.4	.160	.090	<1	10	

TABLE 4.--Continued

404653111545801 NINTH WEST CONDUIT AT 536 NORTH, AT SALT LAKE CITY, UTAH--Continued

WATER-QUALITY DATA

DATE	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)
AUG. 1981										
24-24	20	0	50	20	30	4700	4600	150	500	470
SEPT.										
06-06	10	0	26	10	16	650	610	38	120	110
OCT.										
03-03	5	5	50	22	28	1800	1700	140	180	140
03-04	5	5	23	13	10	1100	1100	43	100	88
04-04	15	5	36	--	--	1900	1800	82	--	--
08-08	8	2	30	--	--	1000	--	--	100	--
10-10	--	<1	47	36	11	3500	3400	65	250	240
11-11	--	<1	27	21	6	1800	1800	38	130	120
28-29	8	2	23	7	16	1000	960	44	82	60
NOV.										
17-17	--	<1	50	22	28	4200	4100	75	330	290
24-25	8	2	18	5	13	1200	1100	70	89	68
DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)
AUG. 1981										
24-24	29	.2	.2	.0	420	310	110	3.5	80	253
SEPT.										
06-06	6	.1	.1	.0	120	80	42	--	--	30
OCT.										
03-03	38	.0	.0	.0	210	120	94	2.0	64	69
03-04	12	.0	.0	.0	110	80	29	1.2	14	23
04-04	--	.0	.0	.0	190	110	79	1.1	220	--
08-08	--	.2	.0	.5	110	--	--	--	--	--
10-10	11	.2	.2	.0	230	200	35	3.9	19	136
11-11	7	.1	.1	.0	130	100	35	1.9	8.0	38
28-29	22	.1	.1	.0	90	40	49	1.3	16	8
NOV.										
17-17	36	.1	.0	.1	200	150	50	>4.0	27	232
24-25	21	.1	--	<.1	90	70	21	1.7	18	29

TABLE 5.--SELECTED STORM-RUNOFF DATA AT CONTINUOUS-RECORD SITES

[See table 4 for location of sites. Zero discharge is not shown.]

10167100 EAST JORDAN CANAL AT JORDAN NARROWS, NEAR BLUFFDALE, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
------	-----------	------	-----------	------	-----------	------	-----------

OCTOBER 26, 1980

1030	16	1300	16	1530	16	1800	16
1045	16	1315	16	1545	16	1815	16
1100	16	1330	16	1600	16	1830	16
1115	16	1345	16	1615	16	1845	16
1130	16	1400	16	1630	16	1900	16
1145	16	1415	16	1645	16	1915	16
1200	16	1430	16	1700	16	1930	16
1215	16	1445	16	1715	16	1945	16
1230	16	1500	16	1730	16	2000	16
1245	16	1515	16	1745	16	2015	16

MAY 2-3, 1981

2345	180	0230	181	0530	176	0830	182
2400	180	0245	181	0545	176	0845	183
		0300	181	0600	176	0900	183
0015	180	0315	181	0615	176	0915	183
0030	180	0330	180	0630	177	0930	184
0045	180	0345	179	0645	178	0945	185
0100	180	0400	179	0700	179	1000	185
0115	180	0415	179	0715	180	1015	185
0130	180	0430	178	0730	181	1030	186
0145	181	0445	177	0745	182	1045	186
0200	181	0500	177	0800	182	1100	186
0215	181	0515	177	0815	182	1115	186

MAY 8, 1981

0615	177	0900	179	1145	176	1415	176
0630	177	0915	179	1200	176	1430	175
0645	177	0930	178	1215	176	1445	174
0700	177	0945	177	1230	176	1500	174
0715	177	1000	177	1245	177	1515	174
0730	178	1015	177	1300	177	1530	174
0745	178	1030	177	1315	177	1545	174
0800	178	1045	177	1330	176	1600	174
0815	178	1100	177	1345	176	1615	174
0830	178	1115	177	1400	176	1630	174
0845	179	1130	176				

TABLE 5.--Continued

10167100 EAST JORDAN CANAL AT JORDAN NARROWS, NEAR BLUFFDALE, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 10-11, 1981							
2200	180	2330	179	0045	173	0215	174
2215	180	2345	178	0100	171	0230	175
2230	180	2400	177	0115	172	0245	176
2245	180			0130	173	0300	177
2300	180	0015	176	0145	174	0315	177
2315	180	0030	174	0200	174		
MAY 15-16, 1981							
0530	166	1415	163	2300	139	0730	139
0545	166	1430	164	2315	139	0745	139
0600	166	1445	165	2330	139	0800	139
0615	166	1500	165	2345	139	0815	139
0630	166	1515	165	2400	139	0830	140
0645	167	1530	164			0845	140
0700	167	1545	163	0015	139	0900	140
0715	167	1600	163	0030	139	0915	140
0730	168	1615	163	0045	139	0930	140
0745	169	1630	163	0100	139	0945	140
0800	169	1645	163	0115	139	1000	140
0815	169	1700	163	0130	138	1015	140
0830	169	1715	160	0145	138	1030	140
0845	169	1730	157	0200	138	1045	140
0900	169	1745	154	0215	138	1100	140
0915	169	1800	151	0230	138	1115	136
0930	168	1815	147	0245	139	1130	132
0945	167	1830	143	0300	139	1145	129
1000	167	1845	139	0315	139	1200	126
1015	167	1900	135	0330	138	1215	122
1030	167	1915	136	0345	138	1230	118
1045	167	1930	137	0400	138	1245	115
1100	167	1945	138	0415	138	1300	112
1115	167	2000	138	0430	138	1315	108
1130	166	2015	138	0445	139	1330	104
1145	166	2030	138	0500	139	1345	100
1200	166	2045	139	0515	139	1400	95
1215	166	2100	139	0530	139	1415	93
1230	165	2115	139	0545	139	1430	91
1245	164	2130	139	0600	139	1445	89
1300	164	2145	139	0615	139	1500	87
1315	164	2200	139	0630	139	1515	89
1330	164	2215	139	0645	139	1530	91

TABLE 5.--Continued

10167100 EAST JORDAN CANAL AT JORDAN NARROWS, NEAR BLUFFDALE, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981--CONTINUED

1345	163	2230	139	0700	139	1545	93
1400	163	2245	139	0715	139	1600	95

MAY 20, 1981

0530	90	0915	91	1300	91	1630	91
0545	90	0930	91	1315	91	1645	91
0600	90	0945	91	1330	92	1700	91
0615	90	1000	91	1345	93	1715	91
0630	90	1015	91	1400	93	1730	91
0645	91	1030	92	1415	93	1745	91
0700	91	1045	92	1430	92	1800	91
0715	91	1100	92	1445	91	1815	91
0730	90	1115	92	1500	91	1830	91
0745	90	1130	92	1515	91	1845	91
0800	90	1145	92	1530	91	1900	91
0815	90	1200	92	1545	91	1915	91
0830	90	1215	92	1600	91	1930	91
0845	91	1230	92	1615	91	1945	90
0900	91	1245	91				

MAY 21, 1981

0115	91	0400	92	0630	93	0900	93
0130	92	0415	92	0645	93	0915	93
0145	92	0430	92	0700	93	0930	93
0200	92	0445	93	0715	93	0945	93
0215	92	0500	93	0730	93	1000	93
0230	92	0515	93	0745	93	1015	93
0245	92	0530	93	0800	93	1030	93
0300	92	0545	93	0815	93	1045	93
0315	92	0600	93	0830	93	1100	93
0330	92	0615	93	0845	93	1115	93
0345	92						

TABLE 5.--Continued

10167100 EAST JORDAN CANAL AT JORDAN NARROWS, NEAR BLUFFDALE--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JUNE 2-3, 1981							
1615	96	2245	96	0500	97	1115	96
1630	96	2300	96	0515	97	1130	96
1645	95	2315	96	0530	97	1145	96
1700	95	2330	96	0545	97	1200	96
1715	95	2345	97	0600	97	1215	96
1730	96	2400	97	0615	97	1230	96
1745	96			0630	96	1245	96
1800	96	0015	97	0645	96	1300	96
1815	96	0030	97	0700	96	1315	96
1830	96	0045	97	0715	96	1330	96
1845	97	0100	97	0730	96	1345	97
1900	97	0115	97	0745	96	1400	97
1915	97	0130	97	0800	96	1415	97
1930	97	0145	97	0815	96	1430	98
1945	97	0200	97	0830	96	1445	99
2000	97	0215	97	0845	96	1500	99
2015	97	0230	98	0900	96	1515	99
2030	96	0245	98	0915	96	1530	99
2045	96	0300	98	0930	96	1545	99
2100	96	0315	98	0945	96	1600	99
2115	96	0330	98	1000	96	1615	99
2130	96	0345	97	1015	96	1630	99
2145	96	0400	97	1030	96	1645	99
2200	96	0415	97	1045	96	1700	99
2215	96	0430	97	1100	96	1715	99
2230	96	0445	97				
SEPTEMBER 5, 1981							
1030	256	1245	257	1500	255	1700	256
1045	257	1300	257	1515	255	1715	256
1100	257	1315	256	1530	256	1730	256
1115	257	1330	256	1545	256	1745	255
1130	257	1345	255	1600	256	1800	255
1145	257	1400	255	1615	256	1815	255
1200	257	1415	255	1630	256	1830	255
1215	257	1430	255	1645	256	1845	255
1230	257	1445	255				

TABLE 5.--Continued

10167105 EAST JORDAN AT LITTLE COTTONWOOD CREEK, NEAR SANDY,
UTAH (upstream station)

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MARCH 26-27, 1981							
1945	4.3	0245	2.1	1000	3.6	1700	2.1
2000	4.5	0300	2.0	1015	3.6	1715	2.0
2015	4.9	0315	2.0	1030	3.6	1730	1.9
2030	4.8	0330	2.0	1045	3.3	1745	1.9
2045	4.9	0345	2.0	1100	3.3	1800	1.7
2100	7.0	0400	2.0	1115	3.3	1815	1.6
2115	5.8	0415	1.9	1130	3.1	1830	1.5
2130	5.3	0430	1.9	1145	3.1	1845	1.5
2145	5.1	0445	1.9	1200	3.1	1900	1.3
2200	4.9	0500	1.7	1215	3.1	1915	1.3
2215	4.8	0515	1.7	1230	3.1	1930	1.2
2230	4.5	0530	1.7	1245	3.1	1945	1.2
2245	4.5	0545	1.9	1300	3.1	2000	1.1
2300	4.3	0600	2.1	1315	3.1	2015	1.0
2315	4.1	0615	2.3	1330	3.1	2030	0.96
2330	3.9	0630	2.6	1345	3.1	2045	0.90
2345	3.7	0645	3.0	1400	3.1	2100	0.90
2400	3.1	0700	3.1	1415	3.1	2115	0.84
		0715	3.3	1430	3.1	2130	0.78
0015	3.0	0730	3.6	1445	3.1	2145	0.72
0030	2.8	0745	3.7	1500	3.0	2200	0.66
0045	2.6	0800	3.7	1515	3.0	2215	0.60
0100	2.6	0815	3.7	1530	2.8	2230	0.56
0115	2.4	0830	3.7	1545	2.8	2245	0.44
0130	2.3	0845	3.7	1600	2.6	2300	0.28
0145	2.3	0900	3.7	1615	2.4	2315	0.18
0200	2.1	0915	3.7	1630	2.4	2330	0.13
0215	2.1	0930	3.7	1645	2.3	2345	0.05
0230	2.1	0945	3.6				
MARCH 30, 1981							
0045	9.7	0230	9.5	0415	7.0	0600	6.0
0100	10	0245	9.0	0430	6.8	0615	6.0
0115	11	0300	8.8	0445	6.6	0630	5.8
0130	10	0315	8.6	0500	6.6	0645	5.5
0145	10	0330	8.1	0515	6.4	0700	5.3
0200	9.9	0345	7.5	0530	6.2	0715	5.1
0215	9.7	0400	7.2	0545	6.2		

TABLE 5.--Continued

10167105 EAST JORDAN CANAL AT LITTLE COTTONWOOD CREEK, NEAR SANDY,
UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
APRIL 2-3, 1981							
2315	3.9	0130	7.7	0345	7.0	0600	4.5
2330	4.9	0145	7.9	0400	6.8	0615	4.3
2345	5.1	0200	7.9	0415	6.6	0630	4.1
2400	5.3	0215	7.9	0430	6.2	0645	3.9
		0230	7.9	0445	6.0	0700	3.7
0015	5.8	0245	7.7	0500	5.5	0715	3.6
0030	7.0	0300	7.7	0515	5.3	0730	3.3
0045	7.2	0315	7.5	0530	5.1	0745	3.1
0100	7.5	0330	7.2	0545	4.8	0800	3.0
0115	7.7						
MAY 2-3, 1981							
2345	13	0230	32	0530	37	0830	36
2400	13	0245	33	0545	36	0845	36
		0300	35	0600	38	0900	36
0015	13	0315	36	0615	39	0915	36
0030	14	0330	37	0630	39	0930	36
0045	14	0345	37	0645	39	0945	36
0100	15	0400	38	0700	39	1000	36
0115	18	0415	38	0715	39	1015	36
0130	21	0430	37	0730	38	1030	36
0145	23	0445	37	0745	37	1045	36
0200	27	0500	38	0800	37	1100	35
0215	30	0515	38	0815	37	1115	35
MAY 8, 1981							
0615	33	0900	46	1145	51	1415	38
0630	34	0915	47	1200	49	1430	36
0645	34	0930	47	1215	48	1445	34
0700	34	0945	48	1230	47	1500	33
0715	35	1000	48	1245	46	1515	33
0730	37	1015	50	1300	44	1530	32
0745	39	1030	53	1315	43	1545	32
0800	41	1045	55	1330	42	1600	32
0815	42	1100	54	1345	41	1615	32
0830	44	1115	54	1400	40	1630	32
0845	45	1130	52				

TABLE 5.--Continued

10167105 EAST JORDAN CANAL AT LITTLE COTTONWOOD CREEK, NEAR SANDY,
UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 10-11, 1981							
2200	31	2330	37	0045	45	0215	45
2215	31	2345	40	0100	45	0230	45
2230	32	2400	41	0115	45	0245	45
2245	32			0130	46	0300	45
2300	33	0015	42	0145	46	0315	45
2315	35	0030	44	0200	46		
MAY 15-16, 1981							
0530	46	1415	63	2300	35	0730	35
0545	46	1430	65	2315	37	0745	35
0600	46	1445	66	2330	38	0800	34
0615	47	1500	67	2345	40	0815	34
0630	48	1515	67	2400	41	0830	34
0645	51	1530	66			0845	34
0700	53	1545	65	0015	43	0900	34
0715	55	1600	63	0030	45	0915	34
0730	57	1615	61	0045	46	0930	34
0745	58	1630	58	0100	47	0945	34
0800	58	1645	56	0115	48	1000	38
0815	58	1700	53	0130	48	1015	41
0830	58	1715	50	0145	48	1030	41
0845	58	1730	48	0200	48	1045	41
0900	57	1745	46	0215	47	1100	41
0915	57	1800	44	0230	46	1115	43
0930	57	1815	42	0245	46	1130	45
0945	56	1830	41	0300	45	1145	45
1000	56	1845	39	0315	43	1200	45
1015	56	1900	38	0330	42	1215	43
1030	55	1915	37	0345	41	1230	42
1045	54	1930	37	0400	40	1245	41
1100	52	1945	36	0415	38	1300	40
1115	51	2000	36	0430	38	1315	40
1130	50	2015	36	0445	38	1330	39
1145	50	2030	35	0500	37	1345	39
1200	49	2045	35	0515	38	1400	38
1215	49	2100	35	0530	38	1415	38
1230	49	2115	35	0545	38	1430	38
1245	50	2130	34	0600	38	1445	37
1300	51	2145	34	0615	37	1500	37
1315	53	2200	34	0630	37	1515	37

TABLE 5.--Continued

10167105 EAST JORDAN CANAL AT LITTLE COTTONWOOD CREEK, NEAR SANDY,
UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 15-16, 1981--CONTINUED							
1330	56	2215	34	0645	36	1530	36
1345	58	2230	34	0700	36	1545	36
1400	61	2245	35	0715	36	1600	36
MAY 20, 1981							
0530	20	0915	23	1300	25	1630	27
0545	21	0930	23	1315	26	1645	26
0600	22	0945	24	1330	27	1700	25
0615	22	1000	26	1345	27	1715	24
0630	22	1015	25	1400	27	1730	23
0645	23	1030	24	1415	27	1745	23
0700	23	1045	24	1430	27	1800	23
0715	23	1100	23	1445	26	1815	23
0730	23	1115	23	1500	26	1830	23
0745	23	1130	23	1515	26	1845	22
0800	22	1145	23	1530	27	1900	22
0815	22	1200	23	1545	27	1915	23
0830	22	1215	23	1600	27	1930	23
0845	22	1230	23	1615	27	1945	23
0900	23	1245	24				
MAY 21, 1981							
0115	26	0400	27	0630	41	0900	37
0130	26	0415	27	0645	41	0915	36
0145	26	0430	28	0700	41	0930	36
0200	26	0445	28	0715	41	0945	35
0215	26	0500	30	0730	41	1000	35
0230	26	0515	31	0745	41	1015	35
0245	27	0530	33	0800	40	1030	34
0300	27	0545	35	0815	39	1045	34
0315	27	0600	37	0830	38	1100	34
0330	27	0615	40	0845	37	1115	33
0345	27						
JUNE 2-3, 1981							
1615	18	2245	38	0500	27	1115	34
1630	18	2300	36	0515	27	1130	36
1645	18	2315	35	0530	27	1145	38
1700	18	2330	34	0545	28	1200	39

TABLE 5.--Continued

10167105 EAST JORDAN CANAL AT LITTLE COTTONWOOD CREEK, NEAR SANDY,
UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 2-3, 1981--CONTINUED

1715	18	2345	33	0600	28	1215	39
1730	18	2400	32	0615	28	1230	38
1745	17			0630	29	1245	36
1800	17	0015	31	0645	30	1300	34
1815	17	0030	31	0700	30	1315	31
1830	18	0045	30	0715	31	1330	29
1845	18	0100	29	0730	31	1345	27
1900	19	0115	28	0745	31	1400	25
1915	20	0130	28	0800	31	1415	24
1930	20	0145	27	0815	32	1430	23
1945	20	0200	27	0830	33	1445	22
2000	20	0215	27	0845	34	1500	22
2015	20	0230	27	0900	34	1515	21
2030	22	0245	26	0915	34	1530	21
2045	25	0300	26	0930	34	1545	20
2100	28	0315	26	0945	34	1600	19
2115	31	0330	26	1000	34	1615	19
2130	34	0345	26	1015	34	1630	19
2145	37	0400	26	1030	34	1645	18
2200	40	0415	26	1045	34	1700	18
2215	40	0430	27	1100	34	1715	18
2230	39	0445	27				

SEPTEMBER 5, 1981

1030	55	1245	55	1500	49	1700	49
1045	55	1300	55	1515	50	1715	49
1100	55	1315	55	1530	50	1730	49
1115	55	1330	54	1545	50	1745	49
1130	55	1345	51	1600	50	1800	49
1145	55	1400	48	1615	49	1815	49
1200	55	1415	48	1630	49	1830	48
1215	55	1430	48	1645	48	1845	48
1230	55	1445	49				

TABLE 5.--Continued

10167106 EAST JORDAN CANAL AT LITTLE COTTONWOOD CREEK,
NEAR SANDY. UTAH (downstream station)

DISCHARGE, IN CUBIC FEET PER SECOND. AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
SEPTEMBER 5, 1981							
1030	40	1245	39	1500	36	1700	36
1045	40	1300	39	1515	36	1715	36
1100	40	1315	40	1530	36	1730	36
1115	40	1330	39	1545	36	1745	36
1130	39	1345	37	1600	36	1800	36
1145	39	1400	36	1615	36	1815	36
1200	39	1415	35	1630	36	1830	36
1215	39	1430	35	1645	35	1845	35
1230	39	1445	36				

TABLE 5.--Continued

10167122 UPPER CANAL AT 5800 SOUTH, NEAR MURRAY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 14-15, 1980							
1200	6.0	2115	5.8	0615	0.83	1515	0.43
1215	6.0	2130	6.2	0630	0.78	1530	0.43
1230	6.0	2145	6.2	0645	0.78	1545	0.43
1245	6.0	2200	6.2	0700	0.78	1600	0.40
1300	6.0	2215	6.2	0715	0.78	1615	0.40
1315	6.0	2230	6.2	0730	0.78	1630	0.40
1330	6.0	2245	6.2	0745	0.78	1645	0.40
1345	6.0	2300	6.2	0800	0.74	1700	0.38
1400	6.0	2315	6.2	0815	0.74	1715	0.38
1415	6.0	2330	6.2	0830	0.74	1730	0.38
1430	6.0	2345	6.2	0845	0.74	1745	0.38
1445	6.0	2400	6.2	0900	0.74	1800	0.38
1500	6.0			0915	0.69	1815	0.36
1515	6.0	0015	6.0	0930	0.69	1830	0.36
1530	6.0	0030	6.0	0945	2.2	1845	0.36
1545	6.0	0045	6.0	1000	1.7	1900	0.36
1600	6.0	0100	6.0	1015	1.2	1915	0.36
1615	6.0	0115	5.8	1030	0.88	1930	0.34
1630	6.0	0130	5.5	1045	0.83	1945	0.34
1645	6.0	0145	5.3	1100	0.83	2000	0.34
1700	6.0	0200	4.5	1115	0.83	2015	0.34
1715	6.0	0215	3.6	1130	0.69	2030	0.34
1730	6.0	0230	2.7	1145	0.49	2045	0.34
1745	6.0	0245	2.0	1200	0.49	2100	0.32
1800	6.0	0300	1.6	1215	0.49	2115	0.32
1815	6.0	0315	1.4	1230	0.49	2130	0.32
1830	6.0	0330	1.3	1245	0.49	2145	0.32
1845	6.0	0345	1.2	1300	0.49	2200	0.32
1900	6.2	0400	1.0	1315	0.49	2215	0.30
1915	6.2	0415	0.93	1330	0.46	2230	0.30
1930	6.0	0430	0.93	1345	0.46	2245	0.30
1945	6.0	0445	0.88	1400	0.46	2300	0.30
2000	5.8	0500	0.88	1415	0.46	2315	0.30
2015	5.8	0515	0.83	1430	0.46	2330	0.28
2030	5.8	0530	0.83	1445	0.43	2345	0.28
2045	5.8	0545	0.83	1500	0.43	2400	0.28
2100	5.8	0600	0.83				

TABLE 5.--Continued

10167122 UPPER CANAL AT 5800 SOUTH, NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 16, 1980							
0015	0.28	0515	0.22	1015	0.18	1515	0.18
0030	0.28	0530	0.22	1030	0.18	1530	0.18
0045	0.28	0545	0.22	1045	0.18	1545	0.16
0100	0.27	0600	0.22	1100	0.18	1600	0.16
0115	0.27	0615	0.22	1115	0.18	1615	0.16
0130	0.27	0630	0.21	1130	0.18	1630	0.16
0145	0.27	0645	0.21	1145	0.18	1645	0.16
0200	0.27	0700	0.21	1200	0.18	1700	0.16
0215	0.25	0715	0.21	1215	0.18	1715	0.16
0230	0.25	0730	0.21	1230	0.18	1730	0.16
0245	0.25	0745	0.21	1245	0.18	1745	0.15
0300	0.25	0800	0.21	1300	0.18	1800	0.15
0315	0.25	0815	0.19	1315	0.18	1815	0.15
0330	0.25	0830	0.19	1330	0.18	1830	0.15
0345	0.24	0845	0.19	1345	0.18	1845	0.15
0400	0.24	0900	0.19	1400	0.18	1900	0.15
0415	0.24	0915	0.19	1415	0.18	1915	0.15
0430	0.24	0930	0.19	1430	0.18	1930	0.15
0445	0.24	0945	0.18	1445	0.18	1945	0.15
0500	0.22	1000	0.18	1500	0.18	2000	0.14
MAY 2-3, 1981							
2300	18	0315	13	0745	10	1215	10
2315	16	0330	13	0800	10	1230	10
2330	15	0345	13	0815	10	1245	10
2345	15	0400	12	0830	11	1300	9.7
2400	15	0415	12	0845	11	1315	9.7
		0430	12	0900	11	1330	9.7
0015	15	0445	11	0915	10	1345	9.7
0030	15	0500	11	0930	10	1400	9.7
0045	15	0515	11	0945	10	1415	9.7
0100	15	0530	11	1000	10	1430	9.7
0115	16	0545	11	1015	10	1445	9.7
0130	16	0600	10	1030	10	1500	9.7
0145	16	0615	10	1045	10	1515	9.7
0200	15	0630	10	1100	10	1530	9.7
0215	15	0645	10	1115	10	1545	9.7

TABLE 5.--Continued

10167122 UPPER CANAL AT 5800 SOUTH, NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 2-3, 1981--CONTINUED

0230	14	0700	10	1130	10	1600	9.7
0245	13	0715	10	1145	10	1615	9.7
0300	13	0730	10	1200	10		

MAY 8, 1981

0500	13	0900	16	1300	16	1645	14
0515	13	0915	17	1315	16	1700	14
0530	13	0930	17	1330	16	1715	14
0545	14	0945	17	1345	16	1730	14
0600	13	1000	17	1400	15	1745	14
0615	13	1015	18	1415	15	1800	14
0630	13	1030	18	1430	15	1815	14
0645	13	1045	17	1445	15	1830	14
0700	13	1100	18	1500	15	1845	14
0715	14	1115	17	1515	15	1900	14
0730	15	1130	17	1530	15	1915	14
0745	15	1145	17	1545	15	1930	14
0800	15	1200	17	1600	15	1945	14
0815	15	1215	17	1615	14	2000	14
0830	15	1230	17	1630	14	2015	14
0845	15	1245	16				

MAY 10-11, 1981

1900	12	2245	14	0215	19	0600	18
1915	12	2300	14	0230	19	0615	18
1930	12	2315	15	0245	19	0630	19
1945	12	2330	17	0300	19	0645	18
2000	12	2345	18	0315	19	0700	18
2015	12	2400	19	0330	19	0715	18
2030	12			0345	19	0730	18
2045	13	0015	20	0400	19	0745	18
2100	13	0030	20	0415	19	0800	18
2115	13	0045	20	0430	19	0815	18
2130	13	0100	20	0445	18	0830	18
2145	13	0115	20	0500	19	0845	18
2200	13	0130	20	0515	18	0900	18
2215	13	0145	20	0530	18	0915	18
2230	13	0200	20	0545	18		

TABLE 5.--Continued

10167122 UPPER CANAL AT 5800 SOUTH, NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 15-16, 1981							
0600	15	1500	25	2400	20	0845	18
0615	17	1515	25			0900	17
0630	18	1530	24	0015	20	0915	17
0645	19	1545	24	0030	20	0930	17
0700	20	1600	24	0045	20	0945	17
0715	20	1615	24	0100	20	1000	17
0730	19	1630	24	0115	20	1015	18
0745	19	1645	24	0130	19	1030	17
0800	19	1700	24	0145	19	1045	17
0815	20	1715	24	0200	19	1100	17
0830	21	1730	20	0215	19	1115	17
0845	21	1745	18	0230	19	1130	17
0900	20	1800	17	0245	19	1145	17
0915	20	1815	17	0300	19	1200	16
0930	20	1830	17	0315	19	1215	15
0945	20	1845	17	0330	19	1230	15
1000	20	1900	17	0345	19	1245	15
1015	20	1915	17	0400	19	1300	15
1030	19	1930	17	0415	19	1315	15
1045	20	1945	17	0430	19	1330	15
1100	20	2000	17	0445	19	1345	15
1115	20	2015	17	0500	19	1400	15
1130	20	2030	16	0515	19	1415	15
1145	20	2045	16	0530	19	1430	15
1200	20	2100	16	0545	19	1445	15
1215	20	2115	17	0600	19	1500	15
1230	21	2130	17	0615	19	1515	15
1245	21	2145	17	0630	19	1530	15
1300	22	2200	18	0645	19	1545	15
1315	23	2215	19	0700	19	1600	15
1330	24	2230	19	0715	19	1615	15
1345	24	2245	19	0730	19	1630	15
1400	25	2300	20	0745	19	1645	15
1415	25	2315	19	0800	19	1700	15
1430	25	2330	19	0815	19	1715	15
1445	25	2345	19	0830	19	1730	16

TABLE 5.--Continued

10167122 UPPER CANAL AT 5800 SOUTH, NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 17, 1981							
0100	16	0415	17	0715	17	1015	16
0115	16	0430	17	0730	17	1030	16
0130	16	0445	17	0745	17	1045	16
0145	16	0500	17	0800	17	1100	16
0200	16	0515	17	0815	17	1115	16
0215	16	0530	17	0830	17	1130	16
0230	17	0545	17	0845	17	1145	16
0245	17	0600	17	0900	17	1200	16
0300	17	0615	17	0915	17	1215	16
0315	17	0630	17	0930	17	1230	16
0330	17	0645	17	0945	17	1245	16
0345	17	0700	17	1000	17	1300	16
0400	17						
MAY 20, 1981							
0600	18	1000	18	1345	18	1730	15
0615	18	1015	18	1400	18	1745	15
0630	18	1030	18	1415	18	1800	15
0645	18	1045	18	1430	18	1815	15
0700	18	1100	18	1445	18	1830	15
0715	18	1115	18	1500	18	1845	15
0730	18	1130	18	1515	18	1900	15
0745	18	1145	18	1530	18	1915	15
0800	18	1200	18	1545	18	1930	14
0815	18	1215	18	1600	18	1945	14
0830	18	1230	18	1615	18	2000	15
0845	18	1245	18	1630	19	2015	14
0900	18	1300	18	1645	18	2030	14
0915	18	1315	18	1700	18	2045	14
0930	18	1330	18	1715	15	2100	14
0945	18						
MAY 21, 1981							
0200	14	0700	15	1145	15	1630	15
0215	14	0715	15	1200	15	1645	15
0230	14	0730	15	1215	15	1700	15
0245	14	0745	15	1230	15	1715	15
0300	14	0800	15	1245	15	1730	15
0315	14	0815	15	1300	15	1745	15
0330	14	0830	15	1315	15	1800	15
0345	14	0845	15	1330	15	1815	15
0400	14	0900	15	1345	15	1830	15

TABLE 5.--Continued

10167122 UPPER CANAL AT 5800 SOUTH, NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 21, 1981--CONTINUED

0415	14	0915	15	1400	15	1845	15
0430	15	0930	15	1415	15	1900	15
0445	15	0945	15	1430	15	1915	15
0500	15	1000	15	1445	15	1930	15
0515	15	1015	15	1500	15	1945	15
0530	15	1030	15	1515	15	2000	15
0545	15	1045	15	1530	15	2015	15
0600	15	1100	15	1545	15	2030	15
0615	15	1115	15	1600	15	2045	15
0630	15	1130	15	1615	15	2100	15
0645	15						

JUNE 2-3, 1981

1730	12	2345	6.9	0545	2.5	1200	10
1745	12	2400	6.7	0600	2.4	1215	10
1800	12			0615	2.4	1230	10
1815	13	0015	6.7	0630	2.4	1245	10
1830	13	0030	6.9	0645	2.4	1300	10
1845	13	0045	6.9	0700	2.5	1315	10
1900	13	0100	6.9	0715	2.5	1330	10
1915	14	0115	6.7	0730	2.5	1345	10
1930	14	0130	6.7	0745	2.4	1400	10
1945	15	0145	6.7	0800	2.4	1415	10
2000	17	0200	6.5	0815	2.5	1430	10
2015	18	0215	6.5	0830	2.8	1445	10
2030	16	0230	6.0	0845	3.0	1500	13
2045	13	0245	5.1	0900	3.0	1515	11
2100	11	0300	4.5	0915	3.0	1530	11
2115	8.8	0315	4.1	0930	2.8	1545	11
2130	8.0	0330	3.8	0945	5.3	1600	11
2145	7.5	0345	3.8	1000	8.0	1615	10
2200	7.2	0400	3.4	1015	9.1	1630	10
2215	7.2	0415	3.3	1030	9.7	1645	10
2230	7.2	0430	3.1	1045	10	1700	10
2245	7.2	0445	3.0	1100	10	1715	10
2300	7.2	0500	3.0	1115	10	1730	10
2315	6.9	0515	2.8	1130	10	1745	10
2330	6.9	0530	2.7	1145	10		

TABLE 5.--Continued

10167122 UPPER CANAL AT 5800 SOUTH, NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JUNE 14, 1981							
0015	19	0400	21	0745	21	1130	20
0030	19	0415	21	0800	21	1145	21
0045	19	0430	21	0815	21	1200	21
0100	19	0445	21	0830	21	1215	21
0115	19	0500	21	0845	21	1230	21
0130	19	0515	21	0900	21	1245	21
0145	20	0530	21	0915	21	1300	21
0200	20	0545	21	0930	21	1315	20
0215	19	0600	21	0945	21	1330	20
0230	19	0615	21	1000	21	1345	20
0245	19	0630	21	1015	21	1400	20
0300	19	0645	21	1030	21	1415	20
0315	20	0700	21	1045	21	1430	20
0330	20	0715	21	1100	21	1445	20
0345	21	0730	21	1115	21		
SEPTEMBER 5, 1981							
1100	15	1400	15	1700	15	1945	15
1115	15	1415	15	1715	15	2000	15
1130	15	1430	15	1730	15	2015	15
1145	15	1445	15	1745	15	2030	15
1200	15	1500	15	1800	15	2045	15
1215	15	1515	15	1815	15	2100	15
1230	15	1530	15	1830	15	2115	15
1245	15	1545	15	1845	15	2130	15
1300	15	1600	15	1900	15	2145	15
1315	15	1615	15	1915	15	2200	15
1330	15	1630	15	1930	15	2215	15
1345	15	1645	15				
SEPTEMBER 6, 1981							
0500	15	0815	15	1115	15	1415	15
0515	15	0830	15	1130	15	1430	15
0530	15	0845	15	1145	15	1445	15
0545	15	0900	15	1200	15	1500	15
0600	15	0915	15	1215	15	1515	15
0615	15	0930	15	1230	15	1530	15
0630	15	0945	15	1245	15	1545	15
0645	15	1000	15	1300	15	1600	15
0700	15	1015	15	1315	15	1615	15

TABLE 5.--Continued

10167122 UPPER CANAL AT 5800 SOUTH, NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
SEPTEMBER 6, 1981--CONTINUED							
0715	15	1030	15	1330	15	1630	15
0730	15	1045	15	1345	15	1645	15
0745	15	1100	15	1400	15	1700	15
0800	15						

TABLE 5.--Continued

10167125 UPPER CANAL AT WILDE ROSE LANE, NEAR SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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OCTOBER 14-15, 1980

1200	4.9	2030	16	0445	27	1315	1.6
1215	4.9	2045	14	0500	25	1330	1.5
1230	4.9	2100	13	0515	23	1345	1.3
1245	4.9	2115	12	0530	20	1400	1.2
1300	4.9	2130	11	0545	18	1415	1.1
1315	5.0	2145	9.9	0600	16	1430	1.0
1330	5.0	2200	9.1	0615	13	1445	0.97
1345	5.0	2215	8.1	0630	12	1500	0.97
1400	5.0	2230	7.3	0645	9.9	1515	1.0
1415	5.0	2245	6.6	0700	8.6	1530	1.3
1430	5.0	2300	6.3	0715	7.5	1545	1.5
1445	5.0	2315	6.0	0730	6.9	1600	1.7
1500	5.0	2330	5.8	0745	6.4	1615	1.7
1515	5.0	2345	5.6	0800	6.0	1630	1.7
1530	5.0	2400	5.5	0815	5.6	1645	1.6
1545	5.0			0830	5.3	1700	1.5
1600	5.2	0015	5.5	0845	4.9	1715	1.5
1615	5.2	0030	5.5	0900	4.6	1730	1.5
1630	5.3	0045	5.6	0915	4.2	1745	1.4
1645	6.0	0100	6.0	0930	4.0	1800	1.3
1700	5.8	0115	6.1	0945	3.6	1815	1.3
1715	6.1	0130	6.1	1000	3.3	1830	1.3
1730	5.5	0145	6.3	1015	3.1	1845	1.3
1745	5.3	0200	6.6	1030	2.8	1900	1.3
1800	5.6	0215	7.3	1045	2.6	1915	1.2
1815	6.4	0230	9.3	1100	2.4	1930	1.2
1830	6.4	0245	9.9	1115	2.3	1945	1.2
1845	6.6	0300	11	1130	2.2	2000	1.2
1900	7.1	0315	12	1145	2.1	2015	1.2
1915	9.5	0330	14	1200	2.1	2030	1.1
1930	12	0345	18	1215	2.0	2045	1.0
1945	14	0400	22	1230	2.0	2100	0.85
2000	16	0415	26	1245	1.7	2115	0.73
2015	16	0430	28	1300	1.7	2130	0.67

OCTOBER 16, 1980

0815	0.97	1115	0.85	1400	5.3	1645	2.3
0830	1.1	1130	1.2	1415	5.3	1700	2.1
0845	1.1	1145	1.5	1430	5.2	1715	1.9
0900	1.1	1200	2.5	1445	5.2	1730	1.7
0915	0.97	1215	3.5	1500	5.3	1745	1.5
0930	0.85	1230	4.0	1515	4.9	1800	1.3

TABLE 5.--Continued

10167125 UPPER CANAL AT WILDE ROSE LANE, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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OCTOBER 16, 1980--CONTINUED

0945	0.75	1245	4.4	1530	4.4	1815	1.2
1000	0.75	1300	4.8	1545	3.5	1830	1.0
1015	0.75	1315	5.0	1600	3.1	1845	0.91
1030	0.75	1330	5.3	1615	2.8	1900	0.85
1045	0.75	1345	5.3	1630	2.5	1915	0.85
1100	0.75						

MARCH 26-27, 1981

1300	0.79	2145	1.4	0615	1.2	1445	0.85
1315	1.2	2200	1.3	0630	1.1	1500	0.85
1330	1.2	2215	1.3	0645	1.1	1515	0.79
1345	2.1	2230	1.2	0700	1.2	1530	0.79
1400	3.1	2245	1.2	0715	1.2	1545	0.79
1415	3.3	2300	1.1	0730	1.3	1600	0.85
1430	3.2	2315	1.0	0745	1.3	1615	0.91
1445	3.1	2330	0.97	0800	1.6	1630	0.91
1500	3.0	2345	0.91	0815	1.9	1645	0.91
1515	2.9	2400	0.85	0830	2.3	1700	0.91
1530	2.8			0845	2.3	1715	0.91
1545	2.6	0015	0.79	0900	2.4	1730	0.85
1600	2.5	0030	0.73	0915	2.4	1745	0.85
1615	2.5	0045	0.79	0930	2.4	1800	0.85
1630	2.6	0100	0.91	0945	2.4	1815	0.85
1645	2.6	0115	0.97	1000	2.3	1830	0.79
1700	2.6	0130	0.97	1015	2.3	1845	0.73
1715	2.6	0145	0.91	1030	2.2	1900	0.67
1730	2.7	0200	0.97	1045	2.0	1915	0.67
1745	2.7	0215	1.2	1100	1.8	1930	0.62
1800	2.5	0230	1.5	1115	1.7	1945	0.62
1815	2.3	0245	1.5	1130	1.6	2000	0.57
1830	2.2	0300	1.5	1145	1.5	2015	0.57
1845	2.0	0315	1.5	1200	1.5	2030	0.57
1900	1.8	0330	1.5	1215	1.3	2045	0.52
1915	1.7	0345	1.5	1230	1.2	2100	0.52
1930	1.5	0400	1.5	1245	1.2	2115	0.52
1945	1.4	0415	1.5	1300	1.1	2130	0.52
2000	1.3	0430	1.5	1315	1.0	2145	0.52
2015	1.3	0445	1.5	1330	0.97	2200	0.52
2030	1.3	0500	1.5	1345	0.91	2215	0.52
2045	1.3	0515	1.4	1400	0.91	2230	0.52
2100	1.3	0530	1.4	1415	0.91	2245	0.52

TABLE 5.--Continued

10167125 UPPER CANAL AT WILDE ROSE LANE, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26-27, 1981--CONTINUED

2115	1.4	0545	1.3	1430	0.91	2300	0.52
2130	1.4	0600	1.2				

MARCH 29-30, 1981

1730	0.52			0645	0.91	1330	1.5
1745	0.52	0015	3.5	0700	1.0	1345	1.4
1800	0.52	0030	3.3	0715	1.0	1400	1.2
1815	0.52	0045	3.1	0730	1.0	1415	1.2
1830	0.52	0100	3.0	0745	1.1	1430	1.1
1845	0.52	0115	2.9	0800	1.5	1445	0.97
1900	0.52	0130	2.7	0815	1.7	1500	0.91
1915	0.52	0145	2.5	0830	1.7	1515	0.85
1930	0.52	0200	2.3	0845	1.5	1530	0.79
1945	0.52	0215	2.2	0900	1.4	1545	0.73
2000	0.52	0230	1.9	0915	1.3	1600	0.73
2015	0.52	0245	1.8	0930	1.2	1615	0.67
2030	0.52	0300	1.6	0945	1.1	1630	0.67
2045	0.52	0315	1.5	1000	1.0	1645	0.67
2100	0.52	0330	1.4	1015	0.91	1700	0.67
2115	0.52	0345	1.2	1030	0.91	1715	0.67
2130	0.52	0400	1.2	1045	0.97	1730	0.62
2145	0.52	0415	1.1	1100	1.1	1745	0.62
2200	0.52	0430	0.97	1115	1.2	1800	0.62
2215	1.4	0445	0.91	1130	1.2	1815	0.62
2230	1.7	0500	0.85	1145	1.2	1830	0.62
2245	2.0	0515	0.79	1200	1.7	1845	0.62
2300	3.4	0530	0.73	1215	2.0	1900	0.62
2315	3.5	0545	0.67	1230	2.0	1915	0.62
2330	3.5	0600	0.62	1245	1.8	1930	0.62
2345	3.5	0615	0.72	1300	1.7	1945	0.62
2400	3.6	0630	0.82	1315	1.5	2000	0.62

APRIL 2-3, 1981

1630	0.52	2045	1.4	0045	2.3	0500	0.97
1645	0.52	2100	1.4	0100	2.3	0515	0.91
1700	0.52	2115	1.5	0115	2.3	0530	0.85
1715	0.52	2130	1.5	0130	2.3	0545	0.73
1730	0.52	2145	1.6	0145	2.1	0600	0.67
1745	0.52	2200	1.6	0200	1.9	0615	0.62
1800	0.52	2215	1.8	0215	1.8	0630	0.62

TABLE 5.--Continued

10167125 UPPER CANAL AT WILDE ROSE LANE, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
APRIL 2-3, 1981--CONTINUED							
1815	0.67	2230	1.9	0230	1.7	0645	0.57
1830	1.0	2245	2.1	0245	1.6	0700	0.57
1845	0.97	2300	2.2	0300	1.5	0715	0.57
1900	1.6	2315	2.2	0315	1.4	0730	0.57
1915	2.0	2330	2.2	0330	1.3	0745	0.57
1930	2.0	2345	2.1	0345	1.2	0800	0.57
1945	1.8	2400	2.0	0400	1.2	0815	0.57
2000	1.7			0415	1.2	0830	0.57
2015	1.5	0015	2.1	0430	1.1	0845	0.57
2030	1.5	0030	2.4	0445	1.0	0900	0.57
MAY 2-3, 1981							
2300	1.2	0315	9.7	0745	0.59	1215	0.54
2315	2.7	0330	7.8	0800	0.59	1230	0.54
2330	4.4	0345	6.4	0815	0.54	1245	0.54
2345	6.4	0400	4.8	0830	0.51	1300	0.51
2400	5.2	0415	3.6	0845	0.48	1315	0.82
		0430	2.8	0900	0.44	1330	1.3
0015	4.2	0445	2.0	0915	0.48	1345	1.5
0030	3.2	0500	1.6	0930	0.51	1400	1.6
0045	2.7	0515	1.2	0945	0.51	1415	1.6
0100	2.8	0530	1.0	1000	0.54	1430	1.6
0115	3.8	0545	0.92	1015	0.54	1445	1.6
0130	11	0600	0.82	1030	0.54	1500	1.6
0145	16	0615	0.77	1045	0.54	1515	1.6
0200	17	0630	0.73	1100	0.54	1530	1.6
0215	16	0645	0.73	1115	0.54	1545	1.6
0230	16	0700	0.73	1130	0.54	1600	1.6
0245	14	0715	0.68	1145	0.54	1615	1.6
0300	12	0730	0.63	1200	0.54		
MAY 8, 1981							
0500	8.5	0900	19	1300	9.3	1645	8.2
0515	8.5	0915	19	1315	9.3	1700	8.2
0530	8.5	0930	19	1330	9.3	1715	8.5
0545	8.5	0945	19	1345	8.9	1730	8.8
0600	8.5	1000	20	1400	8.9	1745	9.0
0615	8.5	1015	20	1415	8.7	1800	9.3
0630	8.5	1030	19	1430	8.5	1815	9.3
0645	9.7	1045	17	1445	8.2	1830	9.3

TABLE 5.--Continued

10167125 UPPER CANAL AT WILDE ROSE LANE, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 8, 1981--CONTINUED

0700	13	1100	15	1500	8.2	1845	9.3
0715	22	1115	14	1515	8.2	1900	9.3
0730	15	1130	13	1530	8.2	1915	9.3
0745	13	1145	12	1545	8.2	1930	9.3
0800	12	1200	11	1600	8.2	1945	9.3
0815	13	1215	10	1615	8.2	2000	9.3
0830	15	1230	9.7	1630	8.2	2015	9.3
0845	18	1245	9.3				

MAY 10-11, 1981

1900	9.3	2245	17	0215	10	0600	9.7
1915	9.3	2300	22	0230	10	0615	9.7
1930	9.3	2315	25	0245	10	0630	9.7
1945	9.3	2330	24	0300	10	0645	9.7
2000	9.3	2345	22	0315	10	0700	9.3
2015	9.3	2400	18	0330	10	0715	9.3
2030	9.3			0345	10	0730	9.3
2045	9.3	0015	16	0400	10	0745	9.3
2100	9.3	0030	14	0415	10	0800	9.3
2115	9.7	0045	12	0430	10	0815	9.3
2130	9.7	0100	11	0445	9.7	0830	9.3
2145	9.7	0115	11	0500	9.7	0845	8.9
2200	10	0130	10	0515	9.7	0900	8.9
2215	12	0145	10	0530	9.7	0915	8.9
2230	14	0200	10	0545	9.7		

MAY 20, 1981

0600	8.7	1000	11	1345	12	1730	9.7
0615	8.7	1015	10	1400	13	1745	9.7
0630	8.7	1030	10	1415	14	1800	9.7
0645	8.7	1045	9.7	1430	13	1815	9.7
0700	9.1	1100	9.7	1445	13	1830	9.7
0715	9.1	1115	9.7	1500	12	1845	9.7
0730	9.4	1130	9.7	1515	11	1900	9.4
0745	9.7	1145	9.7	1530	11	1915	9.4
0800	9.7	1200	10	1545	10	1930	9.4
0815	9.7	1215	10	1600	10	1945	9.4
0830	9.7	1230	12	1615	10	2000	9.4
0845	9.7	1245	13	1630	9.7	2015	9.1
0900	9.7	1300	13	1645	10	2030	8.7

TABLE 5.--Continued

10167125 UPPER CANAL AT WILDE ROSE LANE, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 20, 1981--CONTINUED							
0915	9.7	1315	12	1700	9.7	2045	8.4
0930	10	1330	12	1715	9.7	2100	8.4
0945	10						
MAY 21, 1981							
0200	8.4	0700	18	1145	9.1	1630	10
0215	8.4	0715	16	1200	8.7	1645	10
0230	8.4	0730	14	1215	8.7	1700	10
0245	8.4	0745	13	1230	8.7	1715	10
0300	8.7	0800	12	1245	8.7	1730	11
0315	9.1	0815	11	1300	8.7	1745	11
0330	9.1	0830	11	1315	8.7	1800	10
0345	9.1	0845	11	1330	8.7	1815	9.7
0400	9.1	0900	10	1345	8.7	1830	9.4
0415	9.4	0915	10	1400	8.7	1845	9.1
0430	9.4	0930	9.7	1415	8.7	1900	9.4
0445	9.7	0945	9.7	1430	9.1	1915	9.7
0500	10	1000	9.7	1445	9.7	1930	11
0515	12	1015	9.4	1500	10	1945	11
0530	15	1030	9.4	1515	11	2000	10
0545	19	1045	9.1	1530	11	2015	9.4
0600	21	1100	8.7	1545	11	2030	9.1
0615	20	1115	8.7	1600	11	2045	8.7
0630	19	1130	9.1	1615	11	2100	8.4
0645	19						
JUNE 2-3, 1981							
1730	7.5	2345	9.3	0545	4.9	1200	12
1745	7.5	2400	8.9	0600	4.6	1215	10
1800	8.5			0615	4.4	1230	9.3
1815	9.3	0015	8.5	0630	3.9	1245	8.2
1830	10	0030	7.8	0645	3.7	1300	7.5
1845	10	0045	7.2	0700	3.6	1315	6.6
1900	10	0100	6.6	0715	3.1	1330	6.6
1915	10	0115	6.0	0730	2.8	1345	6.6
1930	9.7	0130	5.6	0745	2.7	1400	6.9
1945	8.3	0145	5.3	0800	2.7	1415	6.9
2000	10	0200	5.3	0815	2.5	1430	6.6
2015	12	0215	5.3	0830	2.5	1445	6.6
2030	17	0230	5.3	0845	2.4	1500	7.5
2045	23	0245	5.1	0900	2.4	1515	7.8
2100	26	0300	5.1	0915	2.3	1530	7.8

TABLE 5.--Continued

10167125 UPPER CANAL AT WILDE ROSE LANE, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 2-3, 1981--Continued

2115	23	0315	5.1	0930	2.2	1545	7.8
2130	18	0330	5.1	0945	2.1	1600	7.8
2145	14	0345	5.1	1000	2.0	1615	7.8
2200	13	0400	5.1	1015	2.0	1630	7.8
2215	12	0415	5.1	1030	2.0	1645	7.8
2230	10	0430	5.1	1045	2.6	1700	7.8
2245	10	0445	5.1	1100	4.9	1715	7.8
2300	9.7	0500	5.1	1115	9.7	1730	7.8
2315	9.7	0515	4.9	1130	13	1745	7.8
2330	9.7	0530	4.9	1145	13		

JUNE 14, 1981

0015	13	0400	15	0745	13	1130	12
0030	13	0415	14	0800	13	1145	12
0045	14	0430	14	0815	13	1200	12
0100	14	0445	13	0830	12	1215	12
0115	14	0500	13	0845	12	1230	12
0130	13	0515	13	0900	14	1245	12
0145	13	0530	14	0915	15	1300	12
0200	13	0545	14	0930	14	1315	12
0215	14	0600	15	0945	14	1330	12
0230	18	0615	14	1000	13	1345	12
0245	19	0630	14	1015	12	1400	12
0300	19	0645	14	1030	12	1415	12
0315	19	0700	14	1045	12	1430	12
0330	19	0715	14	1100	12	1445	12
0345	16	0730	13	1115	12		

SEPTEMBER 5, 1981

1100	11	1400	39	1700	10	1945	8.9
1115	11	1415	31	1715	10	2000	8.9
1130	11	1430	20	1730	10	2015	8.9
1145	11	1445	15	1745	9.7	2030	8.9
1200	11	1500	13	1800	9.3	2045	8.9
1215	11	1515	12	1815	8.9	2100	8.9
1230	11	1530	11	1830	8.9	2115	8.9
1245	12	1545	11	1845	8.9	2130	8.5
1300	12	1600	10	1900	8.9	2145	8.5
1315	19	1615	10	1915	8.9	2200	8.5
1330	34	1630	10	1930	8.9	2215	8.5
1345	42	1645	10				

TABLE 5.--Continued

10167125 UPPER CANAL AT WILDE ROSE LANE, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
SEPTEMBER 6, 1981							
0500	8.1	0815	9.1	1115	10	1415	8.4
0515	8.1	0830	9.1	1130	9.7	1430	8.4
0530	8.1	0845	9.1	1145	9.4	1445	8.4
0545	8.1	0900	9.1	1200	9.1	1500	8.4
0600	8.1	0915	9.1	1215	8.7	1515	8.4
0615	8.1	0930	9.4	1230	8.7	1530	8.4
0630	8.1	0945	9.7	1245	8.7	1545	8.4
0645	8.1	1000	10	1300	8.4	1600	8.4
0700	8.1	1015	10	1315	8.4	1615	8.4
0715	8.4	1030	11	1330	8.4	1630	8.4
0730	9.1	1045	11	1345	8.4	1645	8.4
0745	9.1	1100	11	1400	8.4	1700	8.4
0800	9.1						

TABLE 5.--Continued

10167127 UPPER CANAL AT MILL CREEK, NEAR SALT LAKE CITY,
UTAH, (upstream station)

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 14-15, 1980							
1200	4.9	2115	7.1	0615	4.9	1515	2.0
1215	4.9	2130	6.8	0630	5.1	1530	2.0
1230	5.0	2145	6.5	0645	5.1	1545	2.0
1245	5.0	2200	6.2	0700	5.1	1600	1.9
1300	5.0	2215	6.1	0715	5.1	1615	1.9
1315	5.0	2230	5.9	0730	5.1	1630	1.8
1330	5.0	2245	5.7	0745	5.1	1645	1.8
1345	5.0	2300	5.6	0800	5.0	1700	1.8
1400	5.0	2315	5.7	0815	4.6	1715	1.8
1415	5.0	2330	5.8	0830	4.2	1730	1.8
1430	5.0	2345	5.9	0845	3.9	1745	1.8
1445	5.1	2400	6.0	0900	3.6	1800	1.8
1500	5.1			0915	3.3	1815	1.7
1515	5.3	0015	5.4	0930	3.0	1830	1.7
1530	5.6	0030	5.2	0945	2.8	1845	1.7
1545	5.9	0045	5.2	1000	2.6	1900	1.6
1600	6.1	0100	5.1	1015	2.4	1915	1.6
1615	5.9	0115	5.1	1030	2.3	1930	1.5
1630	5.7	0130	5.1	1045	2.2	1945	1.4
1645	5.4	0145	4.9	1100	2.1	2000	1.3
1700	5.2	0200	4.9	1115	2.0	2015	1.2
1715	5.4	0215	4.9	1130	1.9	2030	1.1
1730	5.7	0230	4.8	1145	1.8	2045	0.90
1745	6.0	0245	4.8	1200	1.8	2100	0.79
1800	6.3	0300	4.8	1215	1.8	2115	0.75
1815	7.3	0315	4.8	1230	1.8	2130	0.68
1830	8.4	0330	4.8	1245	1.8	2145	0.65
1845	9.5	0345	4.8	1300	1.8	2200	0.62
1900	11	0400	4.8	1315	1.7	2215	0.59
1915	10	0415	4.8	1330	1.5	2230	0.56
1930	10	0430	4.8	1345	1.4	2245	0.54
1945	10	0445	4.8	1400	1.3	2300	0.52
2000	9.8	0500	4.9	1415	1.5	2315	0.51
2015	9.2	0515	4.9	1430	1.7	2330	0.50
2030	8.6	0530	4.9	1445	1.9	2345	0.49
2045	8.0	0545	4.9	1500	2.1	2400	0.48
2100	7.5	0600	4.9				

TABLE 5.--Continued

10167127 UPPER CANAL AT MILL CREEK, NEAR SALT LAKE CITY,
UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 16, 1980							
0015	0.47	0515	0.48	1015	0.70	1515	3.7
0030	0.46	0530	0.52	1030	0.70	1530	3.4
0045	0.45	0545	0.57	1045	0.70	1545	3.1
0100	0.44	0600	0.62	1100	0.70	1600	2.8
0115	0.44	0615	0.69	1115	0.80	1615	2.5
0130	0.44	0630	0.77	1130	1.1	1630	2.3
0145	0.44	0645	0.85	1145	1.4	1645	2.1
0200	0.44	0700	0.85	1200	2.4	1700	1.9
0215	0.43	0715	0.85	1215	3.4	1715	1.7
0230	0.42	0730	0.85	1230	3.9	1730	1.6
0245	0.41	0745	0.85	1245	4.3	1745	1.5
0300	0.40	0800	0.85	1300	4.7	1800	1.2
0315	0.40	0815	0.90	1315	4.9	1815	1.1
0330	0.40	0830	1.0	1330	5.2	1830	0.90
0345	0.40	0845	1.0	1345	5.2	1845	0.80
0400	0.40	0900	1.0	1400	5.2	1900	0.80
0415	0.41	0915	0.90	1415	5.2	1915	0.80
0430	0.42	0930	0.80	1430	4.8	1930	0.80
0445	0.43	0945	0.70	1445	4.4	1945	0.80
0500	0.44	1000	0.70	1500	4.0	2000	0.79
OCTOBER 26, 1980							
1115	0.01	1345	0.07	1615	0.38	1845	0.38
1130	0.02	1400	0.07	1630	0.33	1900	0.48
1145	0.04	1415	0.10	1645	0.28	1915	0.48
1200	0.06	1430	0.20	1700	0.23	1930	0.48
1215	0.06	1445	0.40	1715	0.20	1945	0.48
1230	0.06	1500	0.57	1730	0.17	2000	0.48
1245	0.06	1515	0.53	1745	0.14	2015	0.41
1300	0.06	1530	0.50	1800	0.11	2030	0.35
1315	0.06	1545	0.47	1815	0.20	2045	0.29
1330	0.06	1600	0.44	1830	0.29		
MARCH 26-27, 1981							
1215	0.04	1545	0.07	0115	0.04	0645	0.05
1230	0.11	1600	0.07	0130	0.04	0700	0.07
1245	0.22	1615	0.07	0145	0.04	0715	0.07
1300	0.44	1630	0.06	0200	0.04	0730	0.08
1315	0.33	1645	0.06	0215	0.04	0745	0.09
1330	0.26	1700	0.06	0230	0.03	0800	0.09

TABLE 5.--Continued

10167127 UPPER CANAL AT MILL CREEK, NEAR SALT LAKE CITY,
UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MARCH 26-27, 1981--CONTINUED							
1345	0.19	1715	0.04	0245	0.02	0815	0.08
1400	0.13	1730	0.02	0300	0.02	0830	0.07
1415	0.11	1745	0.01	0315	0.02	0845	0.06
1430	0.09			0330	0.02	0900	0.05
1445	0.07	0015	0.01	0345	0.01	0915	0.03
1500	0.06	0030	0.02	0615	0.01	0930	0.02
1515	0.06	0045	0.03	0630	0.03	0945	0.01
1530	0.06	0100	0.04				
MARCH 29-30, 1981							
2015	0.15	2200	0.19	2345	0.02	0615	0.04
2030	0.30	2215	0.16			0630	0.02
2045	0.45	2230	0.13	0515	0.01	0645	0.01
2100	0.62	2245	0.11	0530	0.02	0845	0.01
2115	0.50	2300	0.09	0545	0.04	0900	0.01
2130	0.40	2315	0.06	0600	0.06	0915	0.01
2145	0.30	2330	0.04				
APRIL 2-3, 1981							
1715	0.01	2030	0.01	2200	0.02	2330	0.01
1730	0.02	2045	0.01	2215	0.02	2345	0.01
1745	0.03	2100	0.01	2230	0.02	2400	0.01
1800	0.04	2115	0.01	2245	0.01		
1815	0.03	2130	0.02	2300	0.01	0015	0.01
1830	0.02	2145	0.02	2315	0.01	0030	0.01
1845	0.01						
MAY 2-3, 1981							
2315	0.10	0030	0.20	0200	1.3	0330	0.35
2330	0.20	0045	0.10	0215	1.1	0345	0.20
2345	0.30	0100	0.02	0230	0.90	0400	0.05
2400	0.48	0115	0.20	0245	0.75	0415	0.04
		0130	0.50	0300	0.62	0430	0.03
0015	0.30	0145	0.80	0315	0.50	0445	0.02

TABLE 5.--Continued

10167127 UPPER CANAL AT MILL CREEK, NEAR SALT LAKE CITY,
UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 8, 1981							
0500	9.0	0900	15	1300	9.2	1645	9.0
0515	9.0	0915	15	1315	9.1	1700	9.2
0530	9.1	0930	15	1330	9.0	1715	9.2
0545	9.2	0945	15	1345	8.9	1730	9.2
0600	9.2	1000	15	1400	8.8	1745	9.2
0615	10	1015	15	1415	8.7	1800	9.2
0630	12	1030	14	1430	8.6	1815	9.2
0645	14	1045	13	1445	8.5	1830	9.2
0700	16	1100	13	1500	8.4	1845	9.2
0715	15	1115	12	1515	8.4	1900	9.2
0730	14	1130	12	1530	8.5	1915	9.2
0745	13	1145	11	1545	8.6	1930	9.2
0800	12	1200	10	1600	8.7	1945	9.2
0815	12	1215	9.8	1615	8.8	2000	9.2
0830	13	1230	9.6	1630	8.9	2015	9.2
0845	14	1245	9.4				
MAY 10-11, 1981							
1900	9.2	2245	14	0215	9.6	0600	9.2
1915	9.2	2300	14	0230	9.6	0615	9.2
1930	9.2	2315	13	0245	9.5	0630	9.1
1945	9.3	2330	12	0300	9.5	0645	9.0
2000	9.3	2345	11	0315	9.5	0700	9.0
2015	9.5	2400	11	0330	9.4	0715	8.9
2030	9.7			0345	9.3	0730	8.8
2045	9.9	0015	10	0400	9.3	0745	8.7
2100	10	0030	10	0415	9.3	0800	8.7
2115	10	0045	9.8	0430	9.2	0815	8.7
2130	12	0100	9.5	0445	9.2	0830	8.8
2145	14	0115	9.5	0500	9.2	0845	8.8
2200	16	0130	9.6	0515	9.2	0900	8.8
2215	15	0145	9.6	0530	9.2	0915	8.8
2230	14	0200	9.6	0545	9.2		
MAY 15-16, 1981							
0600	11	1500	19	2400	1.3	0845	0.04
0615	11	1515	19			0900	0.04
0630	11	1530	19	0015	2.4	0915	0.04
0645	11	1545	19	0030	3.5	0930	0.05

TABLE 5.--Continued

10167127 UPPER CANAL AT MILL CREEK, NEAR SALT LAKE CITY,
UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981--CONTINUED

0700	11	1600	19	0045	4.6	0945	0.06
0715	12	1615	16	0100	5.8	1000	0.06
0730	14	1630	12	0115	6.3	1015	0.50
0745	16	1645	8.5	0130	6.8	1030	0.90
0800	17	1700	5.3	0145	7.4	1045	1.3
0815	16	1715	4.5	0200	8.0	1100	1.8
0830	15	1730	3.5	0215	7.3	1115	1.7
0845	14	1745	2.0	0230	6.6	1130	1.6
0900	14	1800	0.40	0245	5.9	1145	1.5
0915	14	1815	0.30	0300	5.2	1200	1.3
0930	13	1830	0.21	0315	4.0	1215	1.1
0945	12	1845	0.13	0330	3.0	1230	0.90
1000	12	1900	0.05	0345	2.0	1245	0.70
1015	12	1915	0.05	0400	0.93	1300	0.48
1030	12	1930	0.04	0415	0.70	1315	0.40
1045	11	1945	0.04	0430	0.50	1330	0.30
1100	11	2000	0.03	0445	0.30	1345	0.20
1115	11	2015	0.03	0500	0.06	1400	0.06
1130	11	2030	0.03	0515	0.06	1415	0.06
1145	11	2045	0.03	0530	0.07	1430	0.05
1200	11	2100	0.03	0545	0.08	1445	0.04
1215	11	2115	0.03	0600	0.09	1500	0.04
1230	12	2130	0.02	0615	0.09	1515	0.04
1245	13	2145	0.01	0630	0.10	1530	0.04
1300	13	2200	0.01	0645	0.11	1545	0.03
1315	14	2215	0.01	0700	0.11	1600	0.03
1330	16	2230	0.01	0715	0.10	1615	0.03
1345	18	2245	0.01	0730	0.08	1630	0.02
1400	19	2300	0.01	0745	0.06	1645	0.02
1415	19	2315	0.30	0800	0.05	1700	0.02
1430	19	2330	0.60	0815	0.05	1715	0.02
1445	19	2345	0.90	0830	0.04	1730	0.01

MAY 17, 1981

0315	0.01	0530	0.06	0745	0.06	0945	0.02
0330	0.02	0545	0.06	0800	0.06	1000	0.02
0345	0.03	0600	0.06	0815	0.06	1015	0.02
0400	0.04	0615	0.06	0830	0.05	1030	0.02
0415	0.04	0630	0.06	0845	0.04	1045	0.01
0430	0.05	0645	0.07	0900	0.04	1100	0.01

TABLE 5.--Continued

10167127 UPPER CANAL AT MILL CREEK, NEAR SALT LAKE CITY,
UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 17, 1981--CONTINUED

0445	0.06	0700	0.07	0915	0.04	1115	0.01
0500	0.06	0715	0.07	0930	0.03	1130	0.01
0515	0.06	0730	0.06				

JUNE 2-3, 1981

1730	8.8	2345	7.6	0545	4.6	1200	8.7
1745	9.2	2400	7.2	0600	4.4	1215	8.1
1800	9.6			0615	4.2	1230	7.6
1815	9.5	0015	6.8	0630	4.0	1245	7.1
1830	9.4	0030	6.4	0645	3.8	1300	6.6
1845	9.3	0045	6.0	0700	3.5	1315	6.6
1900	9.2	0100	5.7	0715	3.4	1330	6.7
1915	10	0115	5.7	0730	3.2	1345	6.8
1930	12	0130	5.6	0745	3.0	1400	6.8
1945	14	0145	5.5	0800	2.8	1415	6.9
2000	16	0200	5.5	0815	2.7	1430	7.0
2015	15	0215	5.5	0830	2.5	1445	7.1
2030	14	0230	5.4	0845	2.3	1500	7.2
2045	13	0245	5.3	0900	2.2	1515	7.3
2100	12	0300	5.3	0915	2.7	1530	7.4
2115	11	0315	5.3	0930	3.2	1545	7.5
2130	11	0330	5.4	0945	3.8	1600	7.5
2145	10	0345	5.5	1000	4.4	1615	7.5
2200	9.6	0400	5.5	1015	6.0	1630	7.4
2215	9.5	0415	5.4	1030	8.0	1645	7.3
2230	9.3	0430	5.3	1045	10	1700	7.2
2245	9.1	0445	5.2	1100	12	1715	7.2
2300	9.0	0500	5.1	1115	11	1730	7.3
2315	8.5	0515	5.0	1130	10	1745	7.4
2330	8.0	0530	4.8	1145	9.6		

JUNE 14, 1981

0015	11	0400	11	0745	10	1130	9.7
0030	11	0415	11	0800	11	1145	9.8
0045	12	0430	12	0815	11	1200	9.8
0100	12	0445	12	0830	10	1215	9.9
0115	12	0500	12	0845	10	1230	10
0130	12	0515	12	0900	10	1245	10
0145	13	0530	12	0915	10	1300	10

TABLE 5.--Continued

10167127 UPPER CANAL AT MILL CREEK, NEAR SALT LAKE CITY,
UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 14, 1981--CONTINUED

0200	13	0545	11	0930	9.9	1315	10
0215	13	0600	11	0945	9.7	1330	10
0230	12	0615	11	1000	9.6	1345	10
0245	11	0630	11	1015	9.6	1400	10
0300	11	0645	10	1030	9.6	1415	10
0315	11	0700	9.6	1045	9.6	1430	10
0330	11	0715	9.9	1100	9.6	1445	10
0345	11	0730	10	1115	9.6		

SEPTEMBER 5, 1981

1100	9.0	1400	14	1700	7.7	1945	7.5
1115	9.0	1415	13	1715	7.7	2000	7.5
1130	9.0	1430	12	1730	7.6	2015	7.5
1145	9.0	1445	11	1745	7.5	2030	7.5
1200	9.0	1500	9.3	1800	7.5	2045	7.5
1215	11	1515	8.9	1815	7.5	2100	7.5
1230	13	1530	8.6	1830	7.5	2115	7.5
1245	15	1545	8.3	1845	7.5	2130	7.5
1300	18	1600	8.0	1900	7.5	2145	7.5
1315	17	1615	7.9	1915	7.5	2200	7.5
1330	16	1630	7.8	1930	7.5	2215	7.5
1345	15	1645	7.7				

SEPTEMBER 6, 1981

0500	7.5	0815	8.2	1115	8.5	1415	7.5
0515	7.5	0830	8.4	1130	8.2	1430	7.4
0530	7.5	0845	8.5	1145	7.9	1445	7.4
0545	7.5	0900	8.6	1200	7.7	1500	7.4
0600	7.5	0915	8.8	1215	7.7	1515	7.4
0615	7.6	0930	9.0	1230	7.6	1530	7.4
0630	7.8	0945	9.2	1245	7.5	1545	7.4
0645	8.0	1000	9.5	1300	7.5	1600	7.4
0700	8.1	1015	9.3	1315	7.5	1615	7.4
0715	8.1	1030	9.1	1330	7.5	1630	7.4
0730	8.1	1045	8.9	1345	7.5	1645	7.4
0745	8.1	1100	8.7	1400	7.5	1700	7.4
0800	8.1						

TABLE 5.--Continued

10167130 EAST JORDAN CANAL AT MIDDLE FORK OF TANNER DITCH, NEAR MURRAY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 2-3, 1981							
1200	0.31	1815	1.2			0600	0.71
1215	0.37	1830	1.2	0015	1.0	0615	0.66
1230	0.40	1845	1.2	0030	0.96	0630	0.61
1245	0.39	1900	1.2	0045	1.0	0645	0.58
1300	0.39	1915	1.2	0100	1.2	0700	0.54
1315	0.37	1930	1.1	0115	1.5	0715	0.53
1330	0.37	1945	1.1	0130	1.8	0730	0.37
1345	0.37	2000	1.1	0145	1.8	0745	0.22
1400	0.37	2015	1.1	0200	2.0	0800	0.16
1415	0.39	2030	1.0	0215	2.2	0815	0.13
1430	0.40	2045	1.1	0230	2.2	0830	0.48
1445	0.43	2100	1.1	0245	2.2	0845	0.63
1500	0.48	2115	1.2	0300	2.2	0900	0.69
1515	0.51	2130	1.2	0315	2.0	0915	0.71
1530	0.54	2145	1.3	0330	1.6	0930	0.77
1545	0.61	2200	1.4	0345	1.5	0945	0.81
1600	0.66	2215	1.4	0400	1.3	1000	0.84
1615	0.74	2230	1.5	0415	1.1	1015	0.87
1630	0.81	2245	1.5	0430	1.1	1030	0.92
1645	0.87	2300	1.4	0445	0.96	1045	1.0
1700	0.96	2315	1.2	0500	0.87	1100	1.1
1715	1.0	2330	1.1	0515	0.84	1115	1.2
1730	1.1	2345	1.1	0530	0.77	1130	1.4
1745	1.1	2400	1.0	0545	0.74	1145	1.8
1800	1.1						
MAY 8, 1981							
0600	0.46	0900	0.87	1145	0.96	1430	0.92
0615	0.48	0915	0.87	1200	0.96	1445	0.87
0630	0.48	0930	0.92	1215	0.96	1500	0.87
0645	0.51	0945	0.92	1230	0.92	1515	0.87
0700	0.56	1000	0.96	1245	0.92	1530	0.84
0715	0.58	1015	1.0	1300	0.92	1545	0.84
0730	0.61	1030	1.1	1315	0.92	1600	0.84
0745	0.61	1045	1.1	1330	0.92	1615	0.81
0800	0.66	1100	1.0	1345	0.92	1630	0.81
0815	0.71	1115	1.0	1400	0.92	1645	0.77
0830	0.74	1130	1.0	1415	0.92	1700	0.77
0845	0.81						

TABLE 5.--Continued

10167130 EAST JORDAN CANAL AT MIDDLE FORK OF TANNER DITCH, NEAR MURRAY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 10-11, 1981							
2100	0.08	0045	0.15	0445	0.10	0830	0.12
2115	0.08	0100	0.14	0500	0.10	0845	0.11
2130	0.08	0115	0.14	0515	0.10	0900	0.11
2145	0.09	0130	0.13	0530	0.10	0915	0.11
2200	0.09	0145	0.13	0545	0.11	0930	0.11
2215	0.09	0200	0.13	0600	0.16	0945	0.11
2230	0.09	0215	0.12	0615	0.19	1000	0.11
2245	0.10	0230	0.12	0630	0.21	1015	0.11
2300	0.11	0245	0.12	0645	0.22	1030	0.11
2315	0.13	0300	0.12	0700	0.22	1045	0.06
2330	0.14	0315	0.11	0715	0.23	1100	0.04
2345	0.15	0330	0.11	0730	0.15	1115	0.03
2400	0.16	0345	0.11	0745	0.13	1130	0.03
		0400	0.11	0800	0.12	1145	0.02
0015	0.16	0415	0.10	0815	0.12	1200	0.02
0030	0.16	0430	0.10				
MAY 15-16, 1981							
0515	0.77	1415	3.6	2300	1.0	0730	0.77
0530	0.77	1430	3.6	2315	1.1	0745	0.77
0545	0.77	1445	3.5	2330	1.1	0800	0.74
0600	0.84	1500	3.3	2345	1.3	0815	0.74
0615	1.0	1515	3.0	2400	1.5	0830	0.74
0630	1.2	1530	2.7			0845	0.74
0645	1.2	1545	2.4	0015	1.6	0900	0.81
0700	1.2	1600	2.0	0030	1.8	0915	0.84
0715	1.2	1615	1.8	0045	2.2	0930	0.87
0730	1.2	1630	1.4	0100	2.2	0945	0.87
0745	1.1	1645	1.3	0115	2.2	1000	0.87
0800	1.1	1700	1.1	0130	2.0	1015	0.87
0815	1.1	1715	1.1	0145	1.8	1030	0.87
0830	1.1	1730	1.1	0200	1.6	1045	0.84
0845	0.81	1745	1.0	0215	1.4	1100	0.84
0900	0.77	1800	0.96	0230	1.3	1115	0.81
0915	0.74	1815	0.92	0245	1.2	1130	0.81
0930	0.74	1830	0.87	0300	1.1	1145	0.77
0945	0.74	1845	0.81	0315	1.1	1200	0.77
1000	0.74	1900	0.77	0330	1.1	1215	0.74
1015	0.74	1915	0.71	0345	1.1	1230	0.74
1030	0.77	1930	0.69	0400	1.1	1245	0.71

TABLE 5.--Continued

10167130 EAST JORDAN AT MIDDLE FORK OF TANNER DITCH, NEAR MURRAY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981--CONTINUED

1045	0.77	1945	0.63	0415	1.1	1300	0.71
1100	0.77	2000	0.61	0430	1.1	1315	0.69
1115	0.77	2015	0.56	0445	1.1	1330	0.69
1130	0.81	2030	0.54	0500	1.1	1345	0.66
1145	0.81	2045	0.53	0515	1.1	1400	0.66
1200	1.0	2100	0.51	0530	1.0	1415	0.63
1215	1.5	2115	0.51	0545	0.96	1430	0.63
1230	1.6	2130	0.49	0600	0.96	1445	0.63
1245	1.8	2145	0.51	0615	0.92	1500	0.61
1300	1.8	2200	0.58	0630	0.87	1515	0.61
1315	2.0	2215	0.71	0645	0.84	1530	0.61
1330	2.2	2230	0.84	0700	0.84	1545	0.58
1345	2.7	2245	0.92	0715	0.81	1600	0.58
1400	3.3						

MAY 20, 1981

0500	0.31	0845	0.45	1230	0.49	1615	0.43
0515	0.31	0900	0.46	1245	0.51	1630	0.43
0530	0.32	0915	0.46	1300	0.51	1645	0.43
0545	0.32	0930	0.46	1315	0.51	1700	0.42
0600	0.33	0945	0.46	1330	0.51	1715	0.42
0615	0.35	1000	0.46	1345	0.51	1730	0.42
0630	0.35	1015	0.46	1400	0.51	1745	0.40
0645	0.36	1030	0.46	1415	0.49	1800	0.53
0700	0.37	1045	0.45	1430	0.49	1815	0.58
0715	0.37	1100	0.45	1445	0.49	1830	0.61
0730	0.39	1115	0.46	1500	0.48	1845	0.61
0745	0.40	1130	0.46	1515	0.48	1900	0.63
0800	0.42	1145	0.48	1530	0.46	1915	0.63
0815	0.43	1200	0.49	1545	0.46	1930	0.63
0830	0.45	1215	0.49	1600	0.45	1945	0.66

MAY 21, 1981

0115	0.71	0445	0.87	0800	1.1	1115	0.54
0130	0.71	0500	0.96	0815	1.1	1130	0.51
0145	0.71	0515	1.1	0830	1.1	1145	0.49
0200	0.71	0530	1.1	0845	1.1	1200	0.46
0215	0.71	0545	1.3	0900	1.0	1215	0.46
0230	0.71	0600	1.3	0915	1.0	1230	0.43
0245	0.71	0615	1.3	0930	1.0	1245	0.43

TABLE 5.--Continued

10167130 EAST JORDAN CANAL AT MIDDLE FORK OF TANNER DITCH, NEAR MURRAY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 21, 1981--CONTINUED

0300	0.71	0630	1.3	0945	1.0	1300	0.42
0315	0.71	0645	1.3	1000	0.96	1315	0.40
0330	0.71	0700	1.3	1015	0.74	1330	0.40
0345	0.71	0715	1.2	1030	0.66	1345	0.39
0400	0.74	0730	1.2	1045	0.61	1400	0.39
0415	0.74	0745	1.1	1100	0.56	1415	0.37
0430	0.81						

JUNE 2-3, 1981

1300	0.61	2100	1.3	0445	0.07	1300	0.07
1315	0.61	2115	1.2	0500	0.07	1315	0.07
1330	0.61	2130	1.1	0515	0.06	1330	0.07
1345	0.61	2145	0.92	0530	0.06	1345	0.07
1400	0.61	2200	0.84	0545	0.06	1400	0.06
1415	0.63	2215	0.77	0600	0.05	1415	0.06
1430	0.63	2230	0.71	0615	0.05	1430	0.06
1445	0.63	2245	0.63	0630	0.04	1445	0.06
1500	0.69	2300	0.58	0645	0.04	1500	0.06
1515	0.77	2315	0.54	0700	0.03	1515	0.05
1530	0.81	2330	0.49	0715	0.03	1530	0.05
1545	0.84	2345	0.46	0730	0.03	1545	0.05
1600	0.87	2400	0.42	0745	0.02	1600	0.05
1615	0.92			0800	0.02	1615	0.04
1630	0.92	0015	0.40	0815	0.02	1630	0.04
1645	1.1	0030	0.36	0830	0.01	1645	0.04
1700	1.2	0045	0.32	0845	0.02	1700	0.04
1715	1.5	0100	0.29	0900	0.03	1715	0.03
1730	1.8	0115	0.26	0915	0.03	1730	0.03
1745	2.2	0130	0.24	0930	0.03	1745	0.03
1800	2.4	0145	0.22	0945	0.02	1800	0.03
1815	2.7	0200	0.20	1015	0.06	1815	0.03
1830	2.7	0215	0.18	1030	0.07	1830	0.03
1845	2.7	0230	0.17	1045	0.07	1845	0.02
1900	2.7	0245	0.16	1100	0.07	1900	0.02
1915	1.6	0300	0.14	1115	0.08	1915	0.02
1930	0.96	0315	0.13	1130	0.09	1930	0.02
1945	0.84	0330	0.12	1145	0.09	1945	0.02
2000	0.81	0345	0.11	1200	0.09	2000	0.01
2015	0.87	0400	0.10	1215	0.09	2015	0.01
2030	1.1	0415	0.09	1230	0.08	2030	0.01
2045	1.3	0430	0.08	1245	0.08	2045	0.01

TABLE 5.--Continued

10167130 EAST JORDAN CANAL AT MIDDLE FORK OF TANNER DITCH, NEAR MURRAY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
SEPTEMBER 5, 1981							
0600	8.0	1000	9.7	1345	11	1730	8.0
0615	8.2	1015	9.7	1400	12	1745	7.8
0630	8.3	1030	9.8	1415	12	1800	7.8
0645	8.3	1045	9.9	1430	11	1815	7.8
0700	8.5	1100	9.9	1445	11	1830	7.8
0715	8.5	1115	10	1500	11	1845	7.8
0730	8.5	1130	10	1515	10	1900	7.8
0745	8.6	1145	10	1530	9.9	1915	7.6
0800	8.6	1200	10	1545	9.6	1930	7.6
0815	8.6	1215	10	1600	9.3	1945	7.4
0830	8.8	1230	10	1615	8.9	2000	7.4
0845	8.9	1245	10	1630	8.8	2015	7.2
0900	9.1	1300	10	1645	8.6	2030	7.1
0915	9.3	1315	10	1700	8.3	2045	7.1
0930	9.4	1330	11	1715	8.2	2100	6.9
0945	9.6						

TABLE 5.--Continued

10167141 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (upstream station)

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 14, 1980							
1200	5.6	1515	5.7	1815	5.3	2115	4.6
1215	5.6	1530	5.7	1830	5.1	2130	4.6
1230	5.6	1545	5.7	1845	5.1	2145	4.6
1245	5.6	1600	5.7	1900	5.1	2200	4.8
1300	5.6	1615	5.7	1915	4.9	2215	4.5
1315	5.6	1630	5.7	1930	4.9	2230	4.5
1330	5.6	1645	5.7	1945	4.9	2245	4.5
1345	5.6	1700	5.6	2000	4.9	2300	4.5
1400	5.6	1715	5.6	2015	4.8	2315	4.3
1415	5.6	1730	5.4	2030	4.8	2330	4.3
1430	5.6	1745	5.4	2045	4.8	2345	4.3
1445	5.6	1800	5.3	2100	4.6	2400	4.3
1500	5.7						
OCTOBER 15, 1980							
0015	4.3	0615	4.3	1215	4.3	1815	3.5
0030	4.2	0630	4.3	1230	4.3	1830	3.4
0045	4.2	0645	4.3	1245	4.2	1845	3.4
0100	4.2	0700	4.3	1300	4.2	1900	3.4
0115	4.0	0715	4.5	1315	4.0	1915	3.4
0130	4.0	0730	4.5	1330	4.0	1930	3.4
0145	4.0	0745	4.5	1345	4.0	1945	3.4
0200	4.0	0800	4.6	1400	3.9	2000	3.4
0215	4.0	0815	4.6	1415	3.9	2015	3.2
0230	3.9	0830	4.6	1430	3.9	2030	3.2
0245	3.9	0845	4.6	1445	3.9	2045	3.2
0300	3.9	0900	4.6	1500	3.8	2100	3.2
0315	3.9	0915	4.6	1515	3.8	2115	3.2
0330	3.9	0930	4.6	1530	3.8	2130	3.2
0345	3.9	0945	4.6	1545	3.8	2145	3.2
0400	3.9	1000	4.6	1600	3.8	2200	3.2
0415	3.9	1015	4.6	1615	3.6	2215	3.1
0430	3.9	1030	4.5	1630	3.6	2230	3.1
0445	3.9	1045	4.5	1645	3.6	2245	3.1
0500	4.0	1100	4.5	1700	3.6	2300	3.1
0515	4.0	1115	4.5	1715	3.5	2315	3.1
0530	4.0	1130	4.5	1730	3.5	2330	3.1
0545	4.2	1145	4.3	1745	3.5	2345	3.1
0600	4.2	1200	4.3	1800	3.5	2400	3.1

TABLE 5.--Continued

10167141 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 16, 1980							
0015	3.1	0515	2.7	1015	2.4	1515	2.3
0030	3.0	0530	2.7	1030	2.4	1530	2.3
0045	3.0	0545	2.7	1045	2.4	1545	2.3
0100	3.0	0600	2.7	1100	2.4	1600	2.3
0115	3.0	0615	2.7	1115	2.4	1615	2.3
0130	3.0	0630	2.6	1130	2.4	1630	2.3
0145	3.0	0645	2.6	1145	2.4	1645	2.2
0200	3.0	0700	2.6	1200	2.4	1700	2.2
0215	3.0	0715	2.6	1215	2.4	1715	2.2
0230	2.8	0730	2.6	1230	2.4	1730	2.2
0245	2.8	0745	2.6	1245	2.4	1745	2.2
0300	2.8	0800	2.6	1300	2.4	1800	2.2
0315	2.8	0815	2.6	1315	2.4	1815	2.2
0330	2.8	0830	2.5	1330	2.4	1830	2.2
0345	2.8	0845	2.5	1345	2.3	1845	2.2
0400	2.8	0900	2.5	1400	2.3	1900	2.2
0415	2.8	0915	2.5	1415	2.3	1915	2.2
0430	2.8	0930	2.5	1430	2.3	1930	2.2
0445	2.7	0945	2.5	1445	2.3	1945	2.2
0500	2.7	1000	2.5	1500	2.3	2000	2.2
OCTOBER 26, 1980							
0900	1.6	1215	1.6	1515	1.7	1815	1.8
0915	1.6	1230	1.7	1530	1.8	1830	1.9
0930	1.6	1245	1.7	1545	1.8	1845	1.9
0945	1.6	1300	1.7	1600	1.8	1900	1.9
1000	1.6	1315	1.7	1615	1.8	1915	1.9
1015	1.6	1330	1.7	1630	1.8	1930	1.9
1030	1.6	1345	1.7	1645	1.8	1945	2.0
1045	1.6	1400	1.7	1700	1.8	2000	2.0
1100	1.6	1415	1.7	1715	1.8	2015	2.0
1115	1.6	1430	1.7	1730	1.8	2030	2.0
1130	1.6	1445	1.7	1745	1.8	2045	2.0
1145	1.6	1500	1.7	1800	1.8	2100	2.0
1200	1.6						

TABLE 5.--Continued

10167141 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26-27, 1981

1515	0.12	2230	2.6	0515	3.5	1215	3.5
1530	0.49	2245	2.6	0530	3.5	1230	3.5
1545	1.2	2300	2.5	0545	3.5	1245	3.4
1600	2.0	2315	2.5	0600	3.5	1300	3.4
1615	2.5	2330	2.4	0615	3.5	1315	3.2
1630	2.8	2345	2.4	0630	3.5	1330	3.2
1645	3.1	2400	2.4	0645	3.5	1345	3.2
1700	3.4			0700	3.5	1400	3.2
1715	3.6	0015	2.3	0715	3.5	1415	3.2
1730	3.8	0030	2.3	0730	3.5	1430	3.2
1745	3.9	0045	2.3	0745	3.5	1445	3.1
1800	3.9	0100	2.3	0800	3.6	1500	3.1
1815	4.0	0115	2.3	0815	3.8	1515	3.1
1830	4.0	0130	2.2	0830	3.9	1530	3.1
1845	4.0	0145	2.2	0845	4.0	1545	3.2
1900	4.0	0200	2.2	0900	4.0	1600	3.2
1915	4.0	0215	2.2	0915	4.0	1615	3.4
1930	4.0	0230	2.2	0930	4.0	1630	3.4
1945	3.9	0245	2.3	0945	4.0	1645	3.4
2000	3.8	0300	2.4	1000	4.0	1700	3.5
2015	3.6	0315	2.6	1015	4.0	1715	3.5
2030	3.6	0330	2.7	1030	3.9	1730	3.5
2045	3.4	0345	3.0	1045	3.9	1745	3.5
2100	3.2	0400	3.1	1100	3.8	1800	3.5
2115	3.2	0415	3.2	1115	3.8	1815	3.5
2130	3.0	0430	3.4	1130	3.8	1830	3.5
2145	3.0	0445	3.4	1145	3.6	1845	3.5
2200	2.8	0500	3.5	1200	3.6	1900	3.5
2215	2.7						

MARCH 29-30, 1981

1600	1.7	2315	2.1	0615	4.3	1315	4.6
1615	1.7	2330	2.5	0630	4.3	1330	4.6
1630	1.7	2345	3.1	0645	4.3	1345	4.5
1645	1.7	2400	3.5	0700	4.3	1400	4.5
1700	1.7			0715	4.3	1415	4.3
1715	1.7	0015	4.0	0730	4.2	1430	4.3
1730	1.7	0030	4.3	0745	4.2	1445	4.2
1745	1.7	0045	4.3	0800	4.0	1500	4.2
1800	1.7	0100	4.3	0815	4.0	1515	4.0

TABLE 5.--Continued

10167141 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 29-30, 1981--CONTINUED

1815	1.7	0115	4.3	0830	4.0	1530	4.0
1830	1.7	0130	4.3	0845	4.0	1545	4.0
1845	1.7	0145	4.3	0900	4.0	1600	4.0
1900	1.7	0200	4.3	0915	4.0	1615	4.0
1915	1.7	0215	4.3	0930	4.2	1630	4.0
1930	1.7	0230	4.3	0945	4.3	1645	4.0
1945	1.7	0245	4.3	1000	4.5	1700	4.0
2000	1.7	0300	4.3	1015	4.5	1715	4.0
2015	1.7	0315	4.3	1030	4.6	1730	4.0
2030	1.7	0330	4.3	1045	4.6	1745	4.0
2045	1.7	0345	4.3	1100	4.6	1800	4.0
2100	1.7	0400	4.3	1115	4.6	1815	4.0
2115	1.7	0415	4.3	1130	4.6	1830	4.0
2130	1.7	0430	4.3	1145	4.6	1845	4.0
2145	1.7	0445	4.3	1200	4.6	1900	4.0
2200	1.8	0500	4.3	1215	4.6	1915	3.9
2215	1.8	0515	4.3	1230	4.6	1930	3.9
2230	1.8	0530	4.3	1245	4.6	1945	3.9
2245	1.9	0545	4.3	1300	4.6	2000	3.9
2300	2.0	0600	4.3				

APRIL 2-3, 1981

1600	1.6	2015	2.6	0015	3.5	0415	3.1
1615	1.6	2030	2.8	0030	3.5	0430	3.1
1630	1.6	2045	3.0	0045	3.5	0445	3.1
1645	1.6	2100	3.1	0100	3.5	0500	3.1
1700	1.6	2115	3.2	0115	3.5	0515	3.1
1715	1.6	2130	3.4	0130	3.5	0530	3.1
1730	1.7	2145	3.4	0145	3.5	0545	3.1
1745	1.7	2200	3.4	0200	3.4	0600	3.1
1800	1.7	2215	3.2	0215	3.4	0615	3.1
1815	1.7	2230	3.2	0230	3.2	0630	3.1
1830	1.7	2245	3.2	0245	3.2	0645	3.1
1845	1.7	2300	3.2	0300	3.2	0700	3.0
1900	1.7	2315	3.2	0315	3.2	0715	3.0
1915	1.8	2330	3.2	0330	3.2	0730	3.0
1930	1.9	2345	3.4	0345	3.1	0745	3.0
1945	2.1	2400	3.4	0400	3.1	0800	2.8
2000	2.3						

TABLE 5.--Continued

10167141 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 2-3, 1981							
2200	28	0245	33	0745	36	1230	33
2215	28	0300	34	0800	36	1245	33
2230	29	0315	35	0815	36	1300	33
2245	29	0330	36	0830	35	1315	33
2300	29	0345	37	0845	35	1330	33
2315	29	0400	37	0900	35	1345	33
2330	29	0415	37	0915	35	1400	33
2345	29	0430	38	0930	35	1415	34
2400	29	0445	38	0945	35	1430	34
		0500	38	1000	34	1445	34
0015	29	0515	38	1015	34	1500	34
0030	29	0530	38	1030	33	1515	34
0045	29	0545	38	1045	33	1530	34
0100	29	0600	38	1100	33	1545	34
0115	29	0615	37	1115	33	1600	34
0130	29	0630	37	1130	33	1615	34
0145	30	0645	37	1145	32	1630	33
0200	30	0700	37	1200	32	1645	33
0215	31	0715	37	1215	33	1700	33
0230	32	0730	36				
MAY 8, 1981							
0500	35	0915	38	1315	38	1715	35
0515	35	0930	39	1330	38	1730	35
0530	35	0945	39	1345	38	1745	34
0545	35	1000	39	1400	38	1800	33
0600	35	1015	39	1415	38	1815	32
0615	35	1030	39	1430	38	1830	32
0630	35	1045	40	1445	38	1845	31
0645	35	1100	40	1500	38	1900	31
0700	36	1115	40	1515	37	1915	30
0715	36	1130	40	1530	37	1930	30
0730	36	1145	40	1545	37	1945	30
0745	36	1200	39	1600	36	2000	30
0800	36	1215	38	1615	36	2015	30
0815	37	1230	38	1630	36	2030	30
0830	38	1245	38	1645	36	2045	29
0845	38	1300	38	1700	35	2100	29
0900	38						

TABLE 5.--Continued

10167141 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 10-11, 1981							
2200	22	0100	27	0415	27	0715	24
2215	22	0115	27	0430	26	0730	23
2230	22	0130	28	0445	26	0745	23
2245	23	0145	28	0500	26	0800	23
2300	23	0200	28	0515	25	0815	23
2315	23	0215	28	0530	25	0830	23
2330	24	0230	28	0545	25	0845	23
2345	24	0245	28	0600	25	0900	23
2400	25	0300	28	0615	24	0915	23
		0315	28	0630	24	0930	22
0015	26	0330	27	0645	24	0945	22
0030	26	0345	27	0700	24	1000	22
0045	27	0400	27				
MAY 15-16, 1981							
0500	31	1430	36	2400	24	0900	23
0515	31	1445	37			0915	23
0530	31	1500	38	0015	24	0930	23
0545	31	1515	39	0030	24	0945	23
0600	31	1530	40	0045	25	1000	23
0615	31	1545	40	0100	25	1015	23
0630	31	1600	40	0115	26	1030	23
0645	31	1615	40	0130	26	1045	23
0700	31	1630	39	0145	27	1100	23
0715	31	1645	39	0200	27	1115	23
0730	32	1700	39	0215	28	1130	23
0745	32	1715	38	0230	28	1145	23
0800	33	1730	38	0245	28	1200	23
0815	34	1745	37	0300	28	1215	23
0830	35	1800	37	0315	28	1230	23
0845	35	1815	36	0330	27	1245	23
0900	34	1830	36	0345	27	1300	23
0915	34	1845	35	0400	27	1315	23
0930	34	1900	35	0415	26	1330	23
0945	33	1915	34	0430	26	1345	23
1000	33	1930	34	0445	26	1400	22
1015	33	1945	32	0500	26	1415	22
1030	32	2000	31	0515	26	1430	22
1045	32	2015	31	0530	25	1445	21
1100	32	2030	30	0545	25	1500	21

TABLE 5.--Continued

10167141 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981--CONTINUED

1115	32	2045	30	0600	25	1515	21
1130	32	2100	29	0615	25	1530	21
1145	32	2115	28	0630	25	1545	21
1200	32	2130	28	0645	25	1600	20
1215	32	2145	27	0700	24	1615	20
1230	32	2200	26	0715	24	1630	20
1245	32	2215	25	0730	24	1645	20
1300	33	2230	25	0745	24	1700	20
1315	34	2245	24	0800	24	1715	20
1330	35	2300	24	0815	23	1730	19
1345	35	2315	24	0830	23	1745	19
1400	35	2330	24	0845	23	1800	19
1415	36	2345	24				

MAY 17, 1981

0015	18	0345	16	0715	15	1045	15
0030	18	0400	16	0730	15	1100	15
0045	18	0415	16	0745	15	1115	15
0100	17	0430	16	0800	15	1130	15
0115	17	0445	16	0815	15	1145	15
0130	17	0500	15	0830	15	1200	15
0145	17	0515	15	0845	15	1215	15
0200	16	0530	15	0900	15	1230	15
0215	16	0545	15	0915	15	1245	15
0230	16	0600	15	0930	15	1300	15
0245	16	0615	15	0945	15	1315	15
0300	16	0630	15	1000	15	1330	15
0315	16	0645	15	1015	15	1345	15
0330	16	0700	15	1030	15	1400	14

MAY 20, 1981

0500	15	1000	20	1445	22	1930	22
0515	15	1015	20	1500	22	1945	22
0530	15	1030	20	1515	22	2000	22
0545	15	1045	20	1530	22	2015	21
0600	15	1100	20	1545	22	2030	21
0615	16	1115	20	1600	22	2045	21
0630	16	1130	20	1615	22	2100	21
0645	16	1145	20	1630	22	2115	21

TABLE 5.--Continued

10167141 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 20, 1981--CONTINUED							
0700	16	1200	20	1645	22	2130	21
0715	16	1215	20	1700	22	2145	21
0730	16	1230	20	1715	22	2200	21
0745	16	1245	20	1730	22	2215	21
0800	16	1300	21	1745	22	2230	21
0815	18	1315	21	1800	22	2245	21
0830	18	1330	21	1815	22	2300	21
0845	19	1345	21	1830	22	2315	21
0900	19	1400	21	1845	22	2330	21
0915	19	1415	21	1900	22	2345	21
0930	19	1430	21	1915	22	2400	21
0945	19						
MAY 21, 1981							
0015	21	0545	22	1115	26	1645	23
0030	21	0600	22	1130	26	1700	23
0045	21	0615	23	1145	25	1715	23
0100	21	0630	23	1200	25	1730	23
0115	21	0645	24	1215	25	1745	23
0130	21	0700	25	1230	25	1800	23
0145	21	0715	25	1245	25	1815	23
0200	21	0730	25	1300	25	1830	23
0215	21	0745	26	1315	24	1845	23
0230	21	0800	26	1330	24	1900	23
0245	21	0815	26	1345	24	1915	23
0300	21	0830	26	1400	24	1930	23
0315	21	0845	26	1415	24	1945	23
0330	21	0900	26	1430	24	2000	23
0345	21	0915	26	1445	24	2015	23
0400	21	0930	26	1500	24	2030	23
0415	21	0945	26	1515	23	2045	22
0430	21	1000	26	1530	23	2100	22
0445	21	1015	26	1545	23	2115	22
0500	21	1030	26	1600	23	2130	22
0515	21	1045	26	1615	23	2145	22
0530	22	1100	26	1630	23	2200	22

TABLE 5.--Continued

10167141 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 27, 1981							
0300	28	0615	27	0915	26	1215	28
0315	28	0630	27	0930	26	1230	29
0330	28	0645	27	0945	26	1245	29
0345	28	0700	27	1000	26	1300	29
0400	28	0715	27	1015	26	1315	29
0415	28	0730	27	1030	26	1330	29
0430	28	0745	27	1045	26	1345	29
0445	28	0800	27	1100	26	1400	29
0500	28	0815	27	1115	27	1415	29
0515	28	0830	27	1130	27	1430	29
0530	28	0845	26	1145	28	1445	28
0545	27	0900	26	1200	28	1500	28
0600	27						
JUNE 2-3, 1981							
1600	18	2300	22	0545	17	1230	18
1615	18	2315	22	0600	17	1245	18
1630	18	2330	22	0615	17	1300	18
1645	19	2345	22	0630	17	1315	18
1700	19	2400	22	0645	17	1330	19
1715	19			0700	17	1345	19
1730	19	0015	21	0715	17	1400	19
1745	19	0030	21	0730	17	1415	19
1800	19	0045	21	0745	17	1430	19
1815	19	0100	21	0800	17	1445	19
1830	19	0115	21	0815	17	1500	19
1845	19	0130	20	0830	17	1515	20
1900	19	0145	20	0845	17	1530	20
1915	19	0200	20	0900	17	1545	20
1930	19	0215	20	0915	17	1600	20
1945	19	0230	19	0930	17	1615	20
2000	19	0245	19	0945	17	1630	20
2015	19	0300	19	1000	17	1645	19
2030	19	0315	18	1015	17	1700	19
2045	19	0330	18	1030	18	1715	19
2100	20	0345	18	1045	18	1730	19
2115	20	0400	18	1100	18	1745	19
2130	21	0415	18	1115	18	1800	18
2145	21	0430	18	1130	18	1815	18
2200	21	0445	17	1145	18	1830	18

TABLE 5.--Continued

10167141 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 2-3, 1981--CONTINUED

2215	21	0500	17	1200	18	1845	18
2230	21	0515	17	1215	18	1900	18
2245	22	0530	17				

JUNE 14, 1981

0015	11	0345	13	0715	14	1045	19
0030	11	0400	13	0730	14	1100	20
0045	11	0415	13	0745	14	1115	20
0100	12	0430	13	0800	14	1130	21
0115	12	0445	13	0815	14	1145	21
0130	12	0500	14	0830	14	1200	21
0145	12	0515	14	0845	14	1215	22
0200	12	0530	14	0900	14	1230	22
0215	12	0545	14	0915	14	1245	23
0230	12	0600	14	0930	14	1300	24
0245	12	0615	14	0945	14	1315	25
0300	13	0630	14	1000	15	1330	25
0315	13	0645	14	1015	16	1345	26
0330	13	0700	14	1030	17	1400	26

SEPTEMBER 5, 1981

0900	37	1245	38	1615	33	1945	33
0915	37	1300	38	1630	33	2000	33
0930	37	1315	38	1645	33	2015	33
0945	37	1330	38	1700	33	2030	33
1000	37	1345	38	1715	33	2045	33
1015	38	1400	37	1730	33	2100	33
1030	38	1415	36	1745	33	2115	33
1045	38	1430	35	1800	33	2130	33
1100	38	1445	34	1815	33	2145	33
1115	38	1500	33	1830	33	2200	33
1130	38	1515	33	1845	33	2215	33
1145	38	1530	33	1900	33	2230	33
1200	38	1545	33	1915	33	2245	33
1215	38	1600	33	1930	33	2300	33
1230	38						

TABLE 5.--Continued

10167141 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
SEPTEMBER 6, 1981							
0500	33	0830	34	1145	31	1500	31
0515	33	0845	34	1200	31	1515	31
0530	33	0900	34	1215	31	1530	31
0545	33	0915	34	1230	31	1545	31
0600	33	0930	34	1245	31	1600	31
0615	33	0945	34	1300	31	1615	31
0630	33	1000	34	1315	31	1630	31
0645	33	1015	34	1330	31	1645	31
0700	33	1030	34	1345	31	1700	30
0715	33	1045	34	1400	31	1715	30
0730	33	1100	32	1415	31	1730	30
0745	33	1115	32	1430	31	1745	30
0800	33	1130	32	1445	31	1800	30
0815	34						

TABLE 5.--Continued

10167142 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (downstream station)

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 14, 1980							
1200	2.8	1515	2.8	1815	2.5	2115	2.2
1215	2.7	1530	2.8	1830	2.4	2130	2.2
1230	2.8	1545	2.8	1845	2.4	2145	2.1
1245	2.8	1600	2.8	1900	2.4	2200	2.1
1300	2.8	1615	2.8	1915	2.3	2215	2.1
1315	2.8	1630	2.8	1930	2.3	2230	2.1
1330	2.8	1645	2.7	1945	2.3	2245	2.1
1345	2.8	1700	2.7	2000	2.3	2300	1.9
1400	2.8	1715	2.6	2015	2.3	2315	1.9
1415	2.8	1730	2.6	2030	2.2	2330	1.9
1430	2.8	1745	2.6	2045	2.2	2345	1.9
1445	2.8	1800	2.5	2100	2.2	2400	1.9
1500	2.8						
OCTOBER 15, 1980							
0015	1.8	0615	1.9	1215	1.8	1815	1.5
0030	1.8	0630	2.1	1230	1.8	1830	1.4
0045	1.8	0645	2.1	1245	1.8	1845	1.4
0100	1.8	0700	2.1	1300	1.8	1900	1.4
0115	1.8	0715	2.1	1315	1.7	1915	1.4
0130	1.7	0730	2.2	1330	1.7	1930	1.4
0145	1.7	0745	2.2	1345	1.7	1945	1.4
0200	1.7	0800	2.2	1400	1.7	2000	1.4
0215	1.7	0815	2.2	1415	1.7	2015	1.4
0230	1.7	0830	2.2	1430	1.6	2030	1.4
0245	1.7	0845	2.2	1445	1.6	2045	1.3
0300	1.7	0900	2.2	1500	1.6	2100	1.3
0315	1.7	0915	2.2	1515	1.6	2115	1.3
0330	1.7	0930	2.2	1530	1.6	2130	1.3
0345	1.7	0945	2.2	1545	1.5	2145	1.3
0400	1.7	1000	2.1	1600	1.5	2200	1.3
0415	1.7	1015	2.1	1615	1.5	2215	1.3
0430	1.7	1030	2.1	1630	1.5	2230	1.3
0445	1.8	1045	2.1	1645	1.5	2245	1.3
0500	1.8	1100	2.1	1700	1.5	2300	1.3
0515	1.8	1115	1.9	1715	1.5	2315	1.3
0530	1.8	1130	1.9	1730	1.5	2330	1.3
0545	1.9	1145	1.9	1745	1.5	2345	1.3
0600	1.9	1200	1.9	1800	1.5	2400	1.3

TABLE 5.--Continued

101067142 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 16, 1980							
0015	1.3	0515	1.1	1015	0.78	1515	0.68
0030	1.2	0530	0.97	1030	0.78	1530	0.68
0045	1.2	0545	0.97	1045	0.78	1545	0.68
0100	1.2	0600	0.97	1100	0.78	1600	0.68
0115	1.2	0615	0.97	1115	0.78	1615	0.68
0130	1.2	0630	0.97	1130	0.78	1630	0.58
0145	1.2	0645	0.97	1145	0.78	1645	0.58
0200	1.2	0700	0.97	1200	0.78	1700	0.58
0215	1.2	0715	0.97	1215	0.78	1715	0.58
0230	1.2	0730	0.88	1230	0.78	1730	0.58
0245	1.2	0745	0.88	1245	0.78	1745	0.58
0300	1.2	0800	0.88	1300	0.78	1800	0.58
0315	1.1	0815	0.88	1315	0.68	1815	0.58
0330	1.1	0830	0.88	1330	0.68	1830	0.58
0345	1.1	0845	0.88	1345	0.68	1845	0.58
0400	1.1	0900	0.88	1400	0.68	1900	0.58
0415	1.1	0915	0.88	1415	0.68	1915	0.58
0430	1.1	0930	0.88	1430	0.68	1930	0.58
0445	1.1	0945	0.78	1445	0.68	1945	0.58
0500	1.1	1000	0.78	1500	0.68	2000	0.58
OCTOBER 26, 1980							
0900	0.15	1215	0.15	1515	0.23	1815	0.49
0915	0.15	1230	0.15	1530	0.31	1830	0.49
0930	0.15	1245	0.15	1545	0.31	1845	0.49
0945	0.15	1300	0.15	1600	0.31	1900	0.49
1000	0.15	1315	0.15	1615	0.31	1915	0.49
1015	0.15	1330	0.15	1630	0.31	1930	0.49
1030	0.15	1345	0.15	1645	0.31	1945	0.58
1045	0.15	1400	0.15	1700	0.40	2000	0.58
1100	0.15	1415	0.23	1715	0.40	2015	0.58
1115	0.15	1430	0.23	1730	0.40	2030	0.58
1130	0.15	1445	0.23	1745	0.40	2045	0.58
1145	0.15	1500	0.23	1800	0.40	2100	0.58
1200	0.15						
MARCH 26-27, 1981							
1700	0.40	2345	0.49	0615	0.88	1245	0.78
1715	0.58	2400	0.40	0630	0.88	1300	0.78
1730	0.68			0645	0.88	1315	0.78

TABLE 5.--Continued

10167142 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26-27, 1981--CONTINUED

1745	0.68	0015	0.40	0700	0.88	1330	0.78
1800	0.78	0030	0.40	0715	0.88	1345	0.78
1815	0.78	0045	0.40	0730	0.88	1400	0.78
1830	0.78	0100	0.40	0745	0.88	1415	0.78
1845	0.78	0115	0.40	0800	0.88	1430	0.78
1900	0.88	0130	0.40	0815	0.88	1445	0.78
1915	0.88	0145	0.40	0830	0.97	1500	0.78
1930	0.88	0200	0.40	0845	0.97	1515	0.78
1945	0.78	0215	0.40	0900	0.97	1530	0.78
2000	0.78	0230	0.40	0915	0.97	1545	0.78
2015	0.78	0245	0.40	0930	0.97	1600	0.78
2030	0.78	0300	0.49	0945	0.97	1615	0.78
2045	0.78	0315	0.49	1000	0.97	1630	0.78
2100	0.78	0330	0.58	1015	0.97	1645	0.88
2115	0.68	0345	0.68	1030	0.97	1700	0.88
2130	0.68	0400	0.68	1045	0.97	1715	0.88
2145	0.68	0415	0.78	1100	0.88	1730	0.88
2200	0.58	0430	0.78	1115	0.88	1745	0.88
2215	0.58	0445	0.78	1130	0.88	1800	0.88
2230	0.58	0500	0.88	1145	0.88	1815	0.88
2245	0.49	0515	0.88	1200	0.88	1830	0.88
2300	0.49	0530	0.88	1215	0.88	1845	0.88
2315	0.49	0545	0.88	1230	0.88	1900	0.88
2330	0.49	0600	0.88				

MARCH 29-30, 1981

1600	0.23	2315	0.68	0615	1.7	1315	1.9
1615	0.23	2330	0.88	0630	1.7	1330	1.8
1630	0.23	2345	1.2	0645	1.7	1345	1.8
1645	0.23	2400	1.5	0700	1.7	1400	1.8
1700	0.23			0715	1.6	1415	1.7
1715	0.23	0015	1.6	0730	1.6	1430	1.7
1730	0.23	0030	1.8	0745	1.6	1445	1.7
1745	0.31	0045	1.8	0800	1.6	1500	1.6
1800	0.31	0100	1.8	0815	1.5	1515	1.6
1815	0.31	0115	1.8	0830	1.5	1530	1.6
1830	0.31	0130	1.8	0845	1.5	1545	1.6
1845	0.31	0145	1.8	0900	1.5	1600	1.6
1900	0.31	0200	1.8	0915	1.6	1615	1.6
1915	0.31	0215	1.8	0930	1.6	1630	1.6

TABLE 5.--Continued

10167142 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 29-30, 1981--CONTINUED

1930	0.31	0230	1.8	0945	1.7	1645	1.6
1945	0.31	0245	1.7	1000	1.8	1700	1.6
2000	0.31	0300	1.7	1015	1.9	1715	1.6
2015	0.31	0315	1.7	1030	1.9	1730	1.6
2030	0.31	0330	1.8	1045	1.9	1745	1.6
2045	0.31	0345	1.8	1100	1.9	1800	1.6
2100	0.31	0400	1.8	1115	1.9	1815	1.6
2115	0.31	0415	1.8	1130	1.9	1830	1.6
2130	0.40	0430	1.8	1145	1.9	1845	1.6
2145	0.40	0445	1.8	1200	1.9	1900	1.6
2200	0.40	0500	1.8	1215	1.9	1915	1.6
2215	0.49	0515	1.9	1230	1.9	1930	1.5
2230	0.49	0530	1.8	1245	1.9	1945	1.5
2245	0.49	0545	1.8	1300	1.9	2000	1.5
2300	0.58	0600	1.7				

APRIL 2-3, 1981

1600	0.07	2015	1.1	0015	1.5	0415	1.3
1615	0.07	2030	1.3	0030	1.5	0430	1.3
1630	0.07	2045	1.4	0045	1.5	0445	1.3
1645	0.07	2100	1.4	0100	1.5	0500	1.3
1700	0.15	2115	1.5	0115	1.5	0515	1.3
1715	0.15	2130	1.5	0130	1.5	0530	1.3
1730	0.15	2145	1.5	0145	1.5	0545	1.3
1745	0.23	2200	1.4	0200	1.5	0600	1.3
1800	0.23	2215	1.4	0215	1.4	0615	1.3
1815	0.23	2230	1.4	0230	1.4	0630	1.3
1830	0.23	2245	1.4	0245	1.4	0645	1.3
1845	0.23	2300	1.4	0300	1.4	0700	1.3
1900	0.23	2315	1.5	0315	1.4	0715	1.3
1915	0.31	2330	1.5	0330	1.3	0730	1.2
1930	0.40	2345	1.5	0345	1.3	0745	1.2
1945	0.58	2400	1.5	0400	1.3	0800	1.2
2000	0.78						

MAY 2-3, 1981

2200	28	0245	33	0745	36	1230	33
2215	28	0300	35	0800	36	1245	32
2230	28	0315	36	0815	36	1300	33

TABLE 5.--Continued

10167142 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 2-3, 1981--CONTINUED

2245	28	0330	36	0830	35	1315	33
2300	28	0345	37	0845	35	1330	33
2315	28	0400	38	0900	35	1345	33
2330	28	0415	38	0915	35	1400	33
2345	28	0430	39	0930	34	1415	33
2400	29	0445	39	0945	34	1430	33
		0500	39	1000	34	1445	34
0015	29	0515	39	1015	33	1500	34
0030	29	0530	39	1030	33	1515	34
0045	29	0545	39	1045	33	1530	34
0100	29	0600	38	1100	33	1545	34
0115	29	0615	38	1115	33	1600	33
0130	29	0630	38	1130	32	1615	33
0145	30	0645	38	1145	32	1630	33
0200	30	0700	37	1200	33	1645	33
0215	31	0715	37	1215	33	1700	33
0230	32	0730	37				

MAY 8, 1981

0500	35	0915	39	1315	21	1715	17
0515	35	0930	40	1330	21	1730	17
0530	36	0945	40	1345	20	1745	17
0545	36	1000	40	1400	20	1800	16
0600	36	1015	41	1415	20	1815	16
0615	36	1030	41	1430	20	1830	16
0630	36	1045	41	1445	20	1845	15
0645	36	1100	42	1500	20	1900	15
0700	36	1115	35	1515	19	1915	15
0715	36	1130	27	1530	19	1930	15
0730	36	1145	24	1545	19	1945	14
0745	37	1200	23	1600	19	2000	14
0800	37	1215	22	1615	19	2015	14
0815	38	1230	22	1630	18	2030	14
0830	38	1245	21	1645	18	2045	14
0845	38	1300	21	1700	18	2100	14
0900	39						

TABLE 5.--Continued

10167142 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 10-11, 1981

2200	22	0100	27	0415	26	0715	23
2215	22	0115	27	0430	26	0730	23
2230	23	0130	28	0445	26	0745	23
2245	23	0145	28	0500	25	0800	23
2300	23	0200	28	0515	25	0815	23
2315	23	0215	28	0530	25	0830	23
2330	24	0230	28	0545	25	0845	23
2345	24	0245	28	0600	24	0900	23
2400	25	0300	27	0615	24	0915	22
		0315	27	0630	24	0930	22
0015	26	0330	27	0645	24	0945	22
0030	26	0345	27	0700	24	1000	22
0045	27	0400	26				

MAY 15-16, 1981

0500	30	1430	18	2400	11	0900	10
0515	30	1445	19			0915	9.9
0530	30	1500	19	0015	11	0930	9.9
0545	30	1515	20	0030	11	0945	9.9
0600	30	1530	21	0045	11	1000	9.7
0615	29	1545	21	0100	11	1015	9.7
0630	29	1600	21	0115	11	1030	9.7
0645	29	1615	21	0130	12	1045	9.7
0700	29	1630	20	0145	12	1100	9.9
0715	30	1645	20	0200	12	1115	9.9
0730	31	1700	20	0215	13	1130	10
0745	31	1715	20	0230	13	1145	10
0800	24	1730	19	0245	13	1200	10
0815	20	1745	19	0300	13	1215	9.9
0830	18	1800	18	0315	13	1230	9.9
0845	17	1815	18	0330	12	1245	9.9
0900	16	1830	17	0345	12	1300	9.9
0915	16	1845	17	0400	12	1315	9.9
0930	16	1900	17	0415	12	1330	9.7
0945	16	1915	16	0430	12	1345	9.7
1000	16	1930	16	0445	12	1400	9.5
1015	16	1945	15	0500	11	1415	9.5
1030	15	2000	15	0515	11	1430	9.4
1045	15	2015	14	0530	11	1445	9.2
1100	15	2030	14	0545	11	1500	9.2

TABLE 5.--Continued

10167142 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981--CONTINUED

1115	15	2045	13	0600	11	1515	9.0
1130	15	2100	13	0615	11	1530	9.0
1145	15	2115	13	0630	11	1545	8.9
1200	15	2130	12	0645	11	1600	8.9
1215	15	2145	12	0700	11	1615	8.7
1230	15	2200	12	0715	11	1630	8.7
1245	15	2215	12	0730	10	1645	8.6
1300	16	2230	11	0745	10	1700	8.6
1315	16	2245	11	0800	10	1715	8.4
1330	17	2300	11	0815	10	1730	8.4
1345	17	2315	11	0830	10	1745	8.2
1400	18	2330	11	0845	10	1800	8.2
1415	18	2345	11				

MAY 17, 1981

0015	7.4	0345	6.5	0715	6.2	1045	6.1
0030	7.3	0400	6.5	0730	6.2	1100	6.1
0045	7.3	0415	6.5	0745	6.2	1115	6.1
0100	7.1	0430	6.5	0800	6.2	1130	6.1
0115	7.1	0445	6.5	0815	6.2	1145	6.1
0130	7.0	0500	6.5	0830	6.2	1200	6.1
0145	7.0	0515	6.4	0845	6.2	1215	6.1
0200	7.0	0530	6.4	0900	6.2	1230	6.1
0215	6.8	0545	6.4	0915	6.2	1245	6.1
0230	6.8	0600	6.4	0930	6.2	1300	5.9
0245	6.7	0615	6.4	0945	6.2	1315	5.9
0300	6.7	0630	6.4	1000	6.2	1330	5.9
0315	6.7	0645	6.2	1015	6.2	1345	5.9
0330	6.7	0700	6.2	1030	6.1	1400	5.9

MAY 20, 1981

0500	6.4	1000	8.1	1445	9.0	1930	9.0
0515	6.5	1015	8.2	1500	9.2	1945	9.0
0530	6.7	1030	8.2	1515	9.2	2000	9.0
0545	6.7	1045	8.2	1530	9.2	2015	8.9
0600	6.8	1100	8.1	1545	9.4	2030	8.9
0615	6.8	1115	8.1	1600	9.4	2045	8.9
0630	7.0	1130	8.1	1615	9.4	2100	8.7
0645	7.0	1145	8.1	1630	9.4	2115	8.7

TABLE 5.--Continued

10167142 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 20, 1981--CONTINUED

0700	7.1	1200	8.1	1645	9.4	2130	8.7
0715	7.1	1215	8.2	1700	9.2	2145	8.5
0730	7.3	1230	8.4	1715	9.4	2200	8.5
0745	7.4	1245	8.5	1730	9.4	2215	8.5
0800	7.4	1300	8.7	1745	9.2	2230	8.5
0815	7.6	1315	8.7	1800	9.2	2245	8.5
0830	7.8	1330	8.7	1815	9.2	2300	8.5
0845	7.8	1345	8.9	1830	9.2	2315	8.5
0900	7.9	1400	8.9	1845	9.0	2330	8.5
0915	7.9	1415	9.0	1900	9.2	2345	8.5
0930	8.1	1430	9.0	1915	9.0	2400	8.7
0945	8.1						

MAY 21, 1981

0015	8.7	0545	9.4	1115	11	1645	9.7
0030	8.7	0600	9.5	1130	11	1700	9.7
0045	8.7	0615	9.9	1145	11	1715	9.5
0100	8.7	0630	10	1200	11	1730	9.5
0115	8.7	0645	10	1215	11	1745	9.5
0130	8.7	0700	11	1230	11	1800	9.5
0145	8.7	0715	11	1245	10	1815	9.5
0200	8.9	0730	11	1300	10	1830	9.4
0215	8.9	0745	11	1315	10	1845	9.4
0230	8.9	0800	11	1330	10	1900	9.4
0245	8.9	0815	11	1345	10	1915	9.4
0300	8.9	0830	11	1400	10	1930	9.4
0315	8.9	0845	11	1415	10	1945	9.4
0330	8.9	0900	11	1430	10	2000	9.4
0345	8.9	0915	11	1445	10	2015	9.4
0400	8.9	0930	11	1500	9.9	2030	9.4
0415	8.9	0945	11	1515	9.9	2045	9.4
0430	9.0	1000	11	1530	9.9	2100	9.4
0445	9.0	1015	11	1545	9.9	2115	9.4
0500	9.0	1030	11	1600	9.9	2130	9.2
0515	9.0	1045	11	1615	9.9	2145	9.2
0530	9.0	1100	11	1630	9.7	2200	9.2

TABLE 5.--Continued

10167142 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (downstream station)---Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 27, 1981							
0300	12	0615	11	0915	11	1215	12
0315	11	0630	11	0930	11	1230	12
0330	11	0645	11	0945	11	1245	12
0345	11	0700	11	1000	11	1300	12
0400	11	0715	11	1015	11	1315	12
0415	11	0730	11	1030	11	1330	12
0430	11	0745	11	1045	11	1345	12
0445	11	0800	11	1100	11	1400	12
0500	11	0815	11	1115	11	1415	12
0515	11	0830	11	1130	12	1430	12
0530	11	0845	11	1145	12	1445	12
0545	11	0900	11	1200	12	1500	12
0600	11						
JUNE 2-3, 1981							
1600	19	2300	22	0545	18	1230	19
1615	19	2315	22	0600	18	1245	19
1630	19	2330	22	0615	18	1300	19
1645	19	2345	22	0630	18	1315	19
1700	19	2400	22	0645	18	1330	19
1715	19			0700	18	1345	19
1730	19	0015	21	0715	18	1400	19
1745	19	0030	21	0730	18	1415	19
1800	19	0045	21	0745	18	1430	20
1815	19	0100	21	0800	18	1445	20
1830	19	0115	20	0815	18	1500	20
1845	19	0130	20	0830	18	1515	20
1900	19	0145	20	0845	18	1530	20
1915	19	0200	19	0900	18	1545	20
1930	19	0215	19	0915	18	1600	20
1945	19	0230	19	0930	18	1615	19
2000	19	0245	19	0945	18	1630	19
2015	19	0300	19	1000	18	1645	19
2030	20	0315	19	1015	18	1700	19
2045	20	0330	19	1030	18	1715	19
2100	21	0345	18	1045	18	1730	19
2115	21	0400	18	1100	18	1745	19
2130	21	0415	18	1115	19	1800	19
2145	22	0430	18	1130	19	1815	19
2200	22	0445	18	1145	19	1830	18

TABLE 5.--Continued

10167142 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 2-3, 1981--CONTINUED

2215	22	0500	18	1200	19	1845	18
2230	22	0515	18	1215	19	1900	18
2245	22	0530	18				

JUNE 14, 1981

0015	5.3	0345	6.7	0715	6.7	1045	9.0
0030	5.5	0400	6.7	0730	6.7	1100	9.4
0045	5.6	0415	6.7	0745	6.7	1115	9.5
0100	5.8	0430	6.7	0800	6.5	1130	9.9
0115	5.8	0445	6.7	0815	6.5	1145	10
0130	5.9	0500	6.7	0830	6.5	1200	10
0145	5.9	0515	6.7	0845	6.5	1215	11
0200	5.9	0530	6.7	0900	6.5	1230	11
0215	6.1	0545	6.7	0915	6.5	1245	11
0230	6.2	0600	6.7	0930	6.5	1300	11
0245	6.2	0615	6.7	0945	6.7	1315	12
0300	6.4	0630	6.7	1000	7.3	1330	19
0315	6.5	0645	6.7	1015	8.1	1345	22
0330	6.7	0700	6.7	1030	8.7	1400	23

SEPTEMBER 5, 1981

0900	37	1245	39	1615	25	1945	21
0915	37	1300	39	1630	25	2000	21
0930	37	1315	40	1645	24	2015	21
0945	38	1330	35	1700	24	2030	21
1000	38	1345	33	1715	23	2045	21
1015	38	1400	32	1730	23	2100	21
1030	38	1415	31	1745	23	2115	21
1045	38	1430	30	1800	23	2130	20
1100	38	1445	28	1815	23	2145	20
1115	38	1500	28	1830	22	2200	20
1130	38	1515	27	1845	22	2215	20
1145	38	1530	27	1900	22	2230	20
1200	38	1545	26	1915	22	2245	20
1215	38	1600	26	1930	21	2300	20
1230	39						

TABLE 5.--Continued

10167142 JORDAN AND SALT LAKE CITY CANAL AT LITTLE COTTONWOOD CREEK,
AT MURRAY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
SEPTEMBER 6, 1981							
0500	20	0830	20	1145	17	1500	17
0515	20	0845	20	1200	17	1515	17
0530	20	0900	20	1215	17	1530	17
0545	20	0915	20	1230	17	1545	17
0600	20	0930	20	1245	17	1600	17
0615	20	0945	20	1300	17	1615	17
0630	20	1000	20	1315	17	1630	17
0645	20	1015	20	1330	17	1645	17
0700	20	1030	20	1345	17	1700	16
0715	20	1045	20	1400	17	1715	16
0730	20	1100	19	1415	17	1730	16
0745	20	1115	18	1430	17	1745	16
0800	20	1130	17	1445	17	1800	16
0815	20						

TABLE 5.--Continued

10167145 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH (upstream station)

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 14, 1980							
1200	13	1515	12	1815	13	2115	13
1215	13	1530	12	1830	13	2130	13
1230	13	1545	12	1845	13	2145	13
1245	13	1600	12	1900	13	2200	12
1300	13	1615	12	1915	14	2215	12
1315	13	1630	12	1930	14	2230	12
1330	13	1645	12	1945	14	2245	11
1345	13	1700	12	2000	14	2300	11
1400	13	1715	12	2015	14	2315	11
1415	13	1730	12	2030	13	2330	10
1430	13	1745	13	2045	13	2345	10
1445	13	1800	13	2100	13	2400	9.8
1500	13						
OCTOBER 15, 1980							
0015	9.8	0615	10	1215	7.1	1815	5.1
0030	9.5	0630	10	1230	6.9	1830	5.1
0045	9.2	0645	10	1245	6.9	1845	5.1
0100	9.2	0700	10	1300	6.9	1900	4.9
0115	9.2	0715	10	1315	6.6	1915	4.9
0130	8.9	0730	10	1330	6.6	1930	4.9
0145	8.9	0745	10	1345	6.4	1945	4.7
0200	8.9	0800	10	1400	6.4	2000	4.7
0215	8.9	0815	10	1415	6.2	2015	4.7
0230	8.7	0830	9.8	1430	6.2	2030	4.7
0245	8.7	0845	9.8	1445	5.9	2045	4.5
0300	8.9	0900	9.5	1500	5.9	2100	4.5
0315	8.9	0915	9.5	1515	5.9	2115	4.3
0330	8.9	0930	9.5	1530	5.9	2130	4.3
0345	8.9	0945	9.5	1545	5.7	2145	4.1
0400	9.2	1000	9.2	1600	5.7	2200	3.9
0415	9.2	1015	8.9	1615	5.5	2215	3.9
0430	9.5	1030	8.4	1630	5.5	2230	3.8
0445	9.5	1045	8.1	1645	5.5	2245	3.6
0500	9.8	1100	7.9	1700	5.5	2300	3.4
0515	9.8	1115	7.6	1715	5.3	2315	3.2
0530	10	1130	7.6	1730	5.3	2330	3.1
0545	10	1145	7.4	1745	5.3	2345	3.1
0600	10	1200	7.1	1800	5.3	2400	2.9

TABLE 5.--Continued

10167145 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 16, 1980							
0015	2.8	0515	1.7	1015	1.2	1515	2.2
0030	2.8	0530	1.7	1030	1.2	1530	2.2
0045	2.6	0545	1.5	1045	1.2	1545	2.2
0100	2.5	0600	1.5	1100	1.2	1600	2.2
0115	2.5	0615	1.5	1115	1.2	1615	2.1
0130	2.3	0630	1.5	1130	1.3	1630	2.1
0145	2.3	0645	1.4	1145	1.3	1645	2.1
0200	2.2	0700	1.4	1200	1.4	1700	1.9
0215	2.2	0715	1.4	1215	1.4	1715	1.9
0230	2.1	0730	1.4	1230	1.4	1730	1.8
0245	2.1	0745	1.4	1245	1.5	1745	1.8
0300	2.1	0800	1.4	1300	1.5	1800	1.7
0315	1.9	0815	1.3	1315	1.5	1815	1.7
0330	1.9	0830	1.3	1330	1.5	1830	1.5
0345	1.9	0845	1.3	1345	1.7	1845	1.5
0400	1.8	0900	1.3	1400	1.8	1900	1.4
0415	1.8	0915	1.3	1415	1.9	1915	1.3
0430	1.8	0930	1.2	1430	2.1	1930	1.2
0445	1.7	0945	1.2	1445	2.1	1945	1.2
0500	1.7	1000	1.2	1500	2.1	2000	1.1
OCTOBER 26, 1980							
0900	0.02	1215	0.01	1515	0.02	1815	0.09
0915	0.02	1230	0.01	1530	0.02	1830	0.09
0930	0.02	1245	0.02	1545	0.03	1845	0.12
0945	0.02	1300	0.02	1600	0.04	1900	0.12
1000	0.01	1315	0.02	1615	0.04	1915	0.12
1015	0.01	1330	0.02	1630	0.04	1930	0.15
1030	0.01	1345	0.02	1645	0.04	1945	0.15
1045	0.01	1400	0.02	1700	0.04	2000	0.18
1100	0.01	1415	0.02	1715	0.05	2015	0.18
1115	0.01	1430	0.02	1730	0.05	2030	0.18
1130	0.01	1445	0.02	1745	0.07	2045	0.18
1145	0.01	1500	0.02	1800	0.07	2100	0.18
1200	0.01						
MARCH 26-27, 1981							
1100	0.02	1915	0.04	0315	0.04	1115	0.22
1115	0.02	1930	0.04	0330	0.05	1130	0.26

TABLE 5.--Continued

10167145 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26-27, 1981--CONTINUED

1130	0.02	1945	0.04	0345	0.05	1145	0.26
1145	0.02	2000	0.04	0400	0.05	1200	0.31
1200	0.02	2015	0.04	0415	0.05	1215	0.31
1215	0.02	2030	0.04	0430	0.05	1230	0.31
1230	0.02	2045	0.04	0445	0.07	1245	0.36
1245	0.03	2100	0.04	0500	0.07	1300	0.36
1300	0.03	2115	0.04	0515	0.07	1315	0.42
1315	0.03	2130	0.04	0530	0.09	1330	0.42
1330	0.04	2145	0.04	0545	0.09	1345	0.36
1345	0.04	2200	0.04	0600	0.09	1400	0.36
1400	0.04	2215	0.04	0615	0.09	1415	0.36
1415	0.04	2230	0.04	0630	0.09	1430	0.36
1430	0.04	2245	0.04	0645	0.09	1445	0.36
1445	0.04	2300	0.04	0700	0.09	1500	0.36
1500	0.04	2315	0.04	0715	0.12	1515	0.36
1515	0.04	2330	0.04	0730	0.12	1530	0.36
1530	0.04	2345	0.04	0745	0.12	1545	0.36
1545	0.04	2400	0.04	0800	0.12	1600	0.36
1600	0.04			0815	0.12	1615	0.36
1615	0.04	0015	0.04	0830	0.12	1630	0.36
1630	0.04	0030	0.04	0845	0.12	1645	0.36
1645	0.04	0045	0.04	0900	0.12	1700	0.42
1700	0.04	0100	0.04	0915	0.15	1715	0.42
1715	0.04	0115	0.04	0930	0.15	1730	0.42
1730	0.04	0130	0.04	0945	0.15	1745	0.42
1745	0.04	0145	0.04	1000	0.15	1800	0.48
1800	0.04	0200	0.04	1015	0.18	1815	0.48
1815	0.04	0215	0.04	1030	0.18	1830	0.48
1830	0.04	0230	0.04	1045	0.22	1845	0.48
1845	0.04	0245	0.04	1100	0.22	1900	0.48
1900	0.04	0300	0.04				

MARCH 29-30, 1981

1600	0.02	2315	0.04	0615	0.78	1315	1.2
1615	0.02	2330	0.04	0630	0.78	1330	1.2
1630	0.02	2345	0.04	0645	0.78	1345	1.2
1645	0.02	2400	0.05	0700	0.78	1400	1.2
1700	0.02			0715	0.78	1415	1.2
1715	0.02	0015	0.05	0730	0.78	1430	1.3
1730	0.02	0030	0.07	0745	0.87	1445	1.3

TABLE 5.--Continued

10167145 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 29-30, 1981--CONTINUED

1745	0.02	0045	0.09	0800	0.95	1500	1.3
1800	0.02	0100	0.09	0815	0.95	1515	1.3
1815	0.02	0115	0.12	0830	0.95	1530	1.3
1830	0.02	0130	0.12	0845	0.95	1545	1.3
1845	0.02	0145	0.15	0900	0.95	1600	1.3
1900	0.02	0200	0.18	0915	1.0	1615	1.3
1915	0.02	0215	0.22	0930	1.0	1630	1.3
1930	0.02	0230	0.26	0945	1.1	1645	1.3
1945	0.02	0245	0.31	1000	1.1	1700	1.2
2000	0.02	0300	0.36	1015	1.1	1715	1.2
2015	0.02	0315	0.48	1030	1.1	1730	1.2
2030	0.02	0330	0.55	1045	1.1	1745	1.2
2045	0.02	0345	0.55	1100	1.1	1800	1.2
2100	0.02	0400	0.62	1115	1.1	1815	1.1
2115	0.02	0415	0.62	1130	1.1	1830	1.1
2130	0.02	0430	0.70	1145	1.1	1845	1.1
2145	0.02	0445	0.70	1200	1.1	1900	1.0
2200	0.03	0500	0.70	1215	1.2	1915	1.0
2215	0.03	0515	0.78	1230	1.2	1930	1.0
2230	0.03	0530	0.78	1245	1.2	1945	0.95
2245	0.03	0545	0.78	1300	1.2	2000	0.95
2300	0.04	0600	0.78				

APRIL 2-3, 1981

1600	0.02	2015	0.03	0015	0.04	0415	0.62
1615	0.02	2030	0.03	0030	0.04	0430	0.70
1630	0.02	2045	0.03	0045	0.04	0445	0.78
1645	0.02	2100	0.03	0100	0.05	0500	0.87
1700	0.02	2115	0.04	0115	0.05	0515	0.87
1715	0.02	2130	0.04	0130	0.07	0530	0.95
1730	0.02	2145	0.04	0145	0.07	0545	0.95
1745	0.02	2200	0.04	0200	0.09	0600	0.95
1800	0.02	2215	0.04	0215	0.09	0615	0.95
1815	0.03	2230	0.04	0230	0.12	0630	0.95
1830	0.03	2245	0.04	0245	0.15	0645	0.95
1845	0.03	2300	0.04	0300	0.22	0700	0.95
1900	0.03	2315	0.04	0315	0.26	0715	0.87
1915	0.03	2330	0.04	0330	0.31	0730	0.87
1930	0.03	2345	0.04	0345	0.42	0745	0.78
1945	0.03	2400	0.04	0400	0.48	0800	0.78
2000	0.03						

TABLE 5.--Continued

10167145 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 2-3, 1981							
2200	28	0245	33	0745	36	1230	31
2215	28	0300	34	0800	35	1245	31
2230	28	0315	34	0815	35	1300	31
2245	29	0330	35	0830	34	1315	31
2300	29	0345	36	0845	34	1330	31
2315	29	0400	37	0900	34	1345	31
2330	28	0415	37	0915	34	1400	31
2345	29	0430	37	0930	34	1415	31
2400	29	0445	38	0945	33	1430	31
		0500	38	1000	33	1445	32
0015	29	0515	38	1015	33	1500	32
0030	29	0530	38	1030	33	1515	32
0045	29	0545	38	1045	32	1530	33
0100	29	0600	38	1100	32	1545	33
0115	29	0615	39	1115	32	1600	34
0130	29	0630	39	1130	32	1615	34
0145	30	0645	39	1145	32	1630	34
0200	30	0700	39	1200	31	1645	35
0215	31	0715	38	1215	31	1700	35
0230	31	0730	36				
MAY 8, 1981							
0500	37	0915	36	1315	39	1715	18
0515	37	0930	36	1330	28	1730	17
0530	37	0945	36	1345	27	1745	17
0545	37	1000	37	1400	26	1800	17
0600	37	1015	38	1415	25	1815	17
0615	37	1030	38	1430	24	1830	16
0630	38	1045	38	1445	23	1845	16
0645	38	1100	38	1500	22	1900	16
0700	38	1115	37	1515	22	1915	16
0715	38	1130	36	1530	21	1930	16
0730	38	1145	35	1545	21	1945	16
0745	38	1200	34	1600	20	2000	16
0800	35	1215	33	1615	20	2015	16
0815	35	1230	32	1630	19	2030	16
0830	35	1245	31	1645	19	2045	16
0845	35	1300	30	1700	18	2100	16
0900	35						

TABLE 5.--Continued

10167145 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 10-11, 1981							
2200	21	0100	23	0415	24	0715	24
2215	21	0115	23	0430	24	0730	24
2230	21	0130	24	0445	24	0745	23
2245	21	0145	24	0500	24	0800	23
2300	21	0200	24	0515	24	0815	23
2315	21	0215	24	0530	24	0830	23
2330	21	0230	24	0545	24	0845	23
2345	22	0245	24	0600	24	0900	23
2400	22	0300	24	0615	24	0915	24
		0315	24	0630	24	0930	24
0015	22	0330	25	0645	24	0945	24
0030	23	0345	24	0700	24	1000	24
0045	23	0400	24				
MAY 15-16, 1981							
0500	33	1430	20	2400	18	0900	16
0515	33	1445	20			0915	16
0530	33	1500	21	0015	18	0930	16
0545	33	1515	23	0030	18	0945	16
0600	33	1530	24	0045	19	1000	16
0615	33	1545	24	0100	19	1015	16
0630	33	1600	24	0115	19	1030	16
0645	33	1615	24	0130	19	1045	16
0700	33	1630	24	0145	19	1100	16
0715	33	1645	24	0200	19	1115	16
0730	33	1700	24	0215	19	1130	16
0745	32	1715	24	0230	19	1145	16
0800	31	1730	24	0245	19	1200	16
0815	30	1745	23	0300	19	1215	16
0830	29	1800	23	0315	19	1230	16
0845	28	1815	22	0330	19	1245	16
0900	27	1830	22	0345	19	1300	15
0915	26	1845	22	0400	19	1315	15
0930	25	1900	22	0415	19	1330	15
0945	24	1915	21	0430	19	1345	15
1000	23	1930	21	0445	18	1400	15
1015	22	1945	20	0500	18	1415	15
1030	21	2000	20	0515	18	1430	15
1045	20	2015	20	0530	18	1445	15
1100	20	2030	20	0545	18	1500	15

TABLE 5.--Continued

10167145 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981--CONTINUED

1115	20	2045	20	0600	18	1515	15
1130	20	2100	19	0615	18	1530	15
1145	19	2115	19	0630	17	1545	15
1200	19	2130	19	0645	17	1600	15
1215	19	2145	18	0700	17	1615	15
1230	19	2200	18	0715	17	1630	15
1245	19	2215	18	0730	17	1645	15
1300	19	2230	17	0745	17	1700	15
1315	19	2245	17	0800	17	1715	14
1330	19	2300	17	0815	16	1730	14
1345	19	2315	17	0830	16	1745	14
1400	19	2330	17	0845	16	1800	14
1415	19	2345	18				

MAY 17, 1981

0015	13	0345	13	0715	13	1045	12
0030	13	0400	13	0730	13	1100	12
0045	13	0415	13	0745	13	1115	12
0100	13	0430	13	0800	13	1130	12
0115	13	0445	13	0815	13	1145	12
0130	13	0500	13	0830	13	1200	12
0145	13	0515	13	0845	13	1215	12
0200	13	0530	13	0900	13	1230	12
0215	13	0545	13	0915	13	1245	12
0230	13	0600	13	0930	13	1300	12
0245	13	0615	13	0945	12	1315	12
0300	13	0630	13	1000	12	1330	12
0315	13	0645	13	1015	12	1345	12
0330	13	0700	13	1030	12	1400	12

MAY 20, 1981

0500	9.8	1000	11	1445	12	1930	12
0515	10	1015	11	1500	12	1945	12
0530	10	1030	11	1515	12	2000	12
0545	10	1045	11	1530	12	2015	12
0600	10	1100	11	1545	12	2030	12
0615	10	1115	11	1600	12	2045	12
0630	10	1130	12	1615	12	2100	12
0645	10	1145	12	1630	12	2115	12

TABLE 5.--Continued

10167145 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 20, 1981--CONTINUED

0700	10	1200	12	1645	12	2130	12
0715	11	1215	12	1700	12	2145	12
0730	11	1230	12	1715	12	2200	12
0745	11	1245	12	1730	12	2215	12
0800	11	1300	12	1745	12	2230	12
0815	11	1315	12	1800	12	2245	12
0830	11	1330	12	1815	12	2300	12
0845	11	1345	12	1830	12	2315	12
0900	11	1400	12	1845	12	2330	12
0915	11	1415	12	1900	12	2345	12
0930	11	1430	12	1915	12	2400	12
0945	11						

MAY 21, 1981

0015	12	0545	13	1115	14	1645	14
0030	12	0600	13	1130	14	1700	14
0045	12	0615	13	1145	14	1715	14
0100	12	0630	13	1200	14	1730	14
0115	12	0645	13	1215	14	1745	14
0130	12	0700	14	1230	14	1800	14
0145	12	0715	14	1245	14	1815	14
0200	12	0730	14	1300	14	1830	14
0215	12	0745	14	1315	14	1845	14
0230	12	0800	14	1330	14	1900	14
0245	12	0815	14	1345	14	1915	14
0300	12	0830	14	1400	14	1930	14
0315	12	0845	14	1415	14	1945	14
0330	12	0900	14	1430	14	2000	14
0345	12	0915	14	1445	14	2015	14
0400	12	0930	14	1500	14	2030	14
0415	12	0945	14	1515	14	2045	14
0430	12	1000	14	1530	14	2100	14
0445	13	1015	14	1545	14	2115	14
0500	13	1030	14	1600	14	2130	14
0515	13	1045	14	1615	14	2145	14
0530	13	1100	14	1630	14	2200	14

TABLE 5.--Continued

10167145 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 27, 1981							
0300	17	0615	17	0915	16	1215	16
0315	17	0630	17	0930	16	1230	16
0330	17	0645	17	0945	16	1245	16
0345	17	0700	17	1000	16	1300	16
0400	17	0715	17	1015	16	1315	16
0415	17	0730	17	1030	15	1330	17
0430	17	0745	17	1045	15	1345	16
0445	17	0800	16	1100	15	1400	16
0500	17	0815	16	1115	15	1415	17
0515	17	0830	16	1130	16	1430	17
0530	17	0845	16	1145	16	1445	17
0545	17	0900	16	1200	16	1500	17
0600	17						
JUNE 2-3, 1981							
1600	22	2300	27	0545	22	1230	21
1615	22	2315	27	0600	22	1245	21
1630	21	2330	27	0615	22	1300	21
1645	21	2345	27	0630	22	1315	21
1700	22	2400	27	0645	22	1330	21
1715	22			0700	22	1345	21
1730	22	0015	27	0715	22	1400	21
1745	22	0030	27	0730	22	1415	21
1800	22	0045	27	0745	22	1430	21
1815	23	0100	26	0800	22	1445	21
1830	23	0115	26	0815	22	1500	20
1845	24	0130	26	0830	22	1515	19
1900	24	0145	26	0845	22	1530	19
1915	24	0200	26	0900	20	1545	19
1930	24	0215	25	0915	20	1600	19
1945	24	0230	25	0930	20	1615	19
2000	24	0245	25	0945	19	1630	19
2015	24	0300	24	1000	19	1645	19
2030	24	0315	24	1015	19	1700	19
2045	24	0330	24	1030	19	1715	19
2100	25	0345	24	1045	20	1730	19
2115	26	0400	23	1100	20	1745	19
2130	26	0415	23	1115	20	1800	19
2145	27	0430	23	1130	20	1815	19

TABLE 5.--Continued

10167145 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 2-3, 1981--CONTINUED

2200	27	0445	23	1145	21	1830	19
2215	27	0500	23	1200	21	1845	18
2230	27	0515	22	1215	21	1900	18
2245	27	0530	22				

JUNE 14, 1981

0015	6.0	0345	6.0	0715	6.9	1045	6.9
0030	6.0	0400	6.4	0730	6.9	1100	6.9
0045	6.0	0415	6.9	0745	6.9	1115	6.9
0100	6.0	0430	6.9	0800	6.9	1130	6.9
0115	6.0	0445	6.9	0815	6.9	1145	6.9
0130	6.0	0500	7.1	0830	6.9	1200	6.9
0145	6.0	0515	7.1	0845	6.9	1215	6.9
0200	6.0	0530	7.1	0900	6.9	1230	6.9
0215	6.0	0545	7.1	0915	6.9	1245	10
0230	6.0	0600	7.1	0930	6.9	1300	11
0245	6.0	0615	7.1	0945	6.9	1315	11
0300	6.0	0630	7.1	1000	6.9	1330	11
0315	6.0	0645	7.1	1015	6.9	1345	12
0330	6.0	0700	7.1	1030	6.9	1400	12

SEPTEMBER 5, 1981

0900	35	1245	36	1615	35	1945	28
0915	35	1300	36	1630	34	2000	28
0930	35	1315	37	1645	34	2015	28
0945	35	1330	38	1700	33	2030	27
1000	35	1345	38	1715	33	2045	27
1015	35	1400	38	1730	32	2100	27
1030	35	1415	38	1745	32	2115	27
1045	35	1430	38	1800	31	2130	27
1100	35	1445	38	1815	31	2145	26
1115	35	1500	37	1830	30	2200	26
1130	36	1515	36	1845	30	2215	26
1145	36	1530	36	1900	30	2230	26
1200	36	1545	36	1915	29	2245	26
1215	36	1600	35	1930	29	2300	26
1230	36						

TABLE 5.--Continued

10167145 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
SEPTEMBER 6, 1981							
0500	27	0830	27	1145	28	1500	24
0515	27	0845	27	1200	28	1515	24
0530	27	0900	27	1215	28	1530	23
0545	27	0915	27	1230	27	1545	23
0600	27	0930	27	1245	27	1600	23
0615	27	0945	27	1300	27	1615	22
0630	27	1000	28	1315	26	1630	22
0645	27	1015	28	1330	26	1645	22
0700	27	1030	28	1345	26	1700	21
0715	27	1045	28	1400	25	1715	21
0730	27	1100	28	1415	25	1730	21
0745	27	1115	28	1430	24	1745	21
0800	27	1130	28	1445	24	1800	20
0815	27						

TABLE 5.--Continued

10167146 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH (downstream station)

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 2-3, 1981							
2200	12	0245	13	0745	14	1230	13
2215	12	0300	13	0800	14	1245	13
2230	12	0315	13	0815	14	1300	13
2245	12	0330	14	0830	14	1315	13
2300	12	0345	14	0845	14	1330	13
2315	12	0400	14	0900	14	1345	13
2330	12	0415	14	0915	14	1400	13
2345	12	0430	14	0930	14	1415	13
2400	12	0445	15	0945	14	1430	13
		0500	15	1000	14	1445	13
0015	12	0515	15	1015	14	1500	13
0030	12	0530	15	1030	14	1515	13
0045	12	0545	15	1045	13	1530	13
0100	12	0600	16	1100	13	1545	14
0115	12	0615	16	1115	13	1600	14
0130	12	0630	16	1130	13	1615	14
0145	12	0645	16	1145	13	1630	14
0200	12	0700	16	1200	13	1645	14
0215	12	0715	15	1215	13	1700	14
0230	13	0730	15				
MAY 8, 1981							
0500	14	0915	14	1315	7.5	1715	4.2
0515	14	0930	14	1330	6.9	1730	4.1
0530	14	0945	14	1345	6.5	1745	4.1
0545	14	1000	14	1400	6.1	1800	3.9
0600	14	1015	14	1415	5.9	1815	3.8
0615	14	1030	15	1430	5.6	1830	3.8
0630	14	1045	15	1445	5.5	1845	3.7
0645	14	1100	15	1500	5.4	1900	3.7
0700	14	1115	11	1515	5.1	1915	3.7
0715	14	1130	9.4	1530	4.9	1930	3.5
0730	14	1145	11	1545	4.8	1945	3.5
0745	14	1200	12	1600	4.7	2000	3.7
0800	14	1215	12	1615	4.5	2015	3.7
0815	14	1230	12	1630	4.5	2030	3.7
0830	14	1245	12	1645	4.4	2045	3.5
0845	14	1300	8.8	1700	4.2	2100	3.5
0900	14						

TABLE 5.--Continued

10167146 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 10-11, 1981							
2200	10	0100	11	0415	12	0715	12
2215	10	0115	11	0430	12	0730	12
2230	10	0130	11	0445	12	0745	12
2245	10	0145	12	0500	12	0800	11
2300	10	0200	12	0515	12	0815	11
2315	10	0215	12	0530	12	0830	11
2330	10	0230	12	0545	12	0845	11
2345	11	0245	12	0600	12	0900	11
2400	11	0300	12	0615	12	0915	11
		0315	12	0630	12	0930	11
0015	11	0330	12	0645	12	0945	11
0030	11	0345	12	0700	12	1000	11
0045	11	0400	12				
MAY 15-16, 1981							
0500	14	1430	11	2400	8.1	0900	7.5
0515	14	1445	12			0915	7.4
0530	14	1500	12	0015	8.1	0930	7.4
0545	14	1515	12	0030	8.2	0945	7.4
0600	14	1530	12	0045	8.2	1000	7.4
0615	14	1545	12	0100	8.4	1015	7.4
0630	14	1600	12	0115	8.5	1030	7.4
0645	14	1615	12	0130	8.7	1045	7.4
0700	14	1630	12	0145	8.7	1100	7.4
0715	14	1645	12	0200	8.8	1115	7.4
0730	14	1700	12	0215	8.8	1130	7.4
0745	12	1715	12	0230	8.8	1145	7.4
0800	5.7	1730	12	0245	8.8	1200	7.4
0815	5.3	1745	12	0300	8.8	1215	7.4
0830	5.2	1800	12	0315	8.8	1230	7.4
0845	5.1	1815	12	0330	8.8	1245	7.4
0900	4.9	1830	12	0345	8.7	1300	7.2
0915	4.7	1845	12	0400	8.7	1315	7.2
0930	4.3	1900	12	0415	8.5	1330	7.2
0945	4.0	1915	12	0430	8.5	1345	7.1
1000	3.6	1930	12	0445	8.4	1400	7.1
1015	3.3	1945	11	0500	8.4	1415	7.1
1030	4.9	2000	11	0515	8.2	1430	7.1
1045	9.2	2015	11	0530	8.2	1445	7.1
1100	9.5	2030	10	0545	8.2	1500	6.9

TABLE 5.--Continued

10167146 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981--CONTINUED

1115	9.5	2045	10	0600	8.2	1515	6.9
1130	9.5	2100	10	0615	8.1	1530	6.9
1145	9.5	2115	9.6	0630	8.1	1545	6.9
1200	9.3	2130	9.3	0645	8.1	1600	6.9
1215	9.2	2145	9.2	0700	7.9	1615	6.9
1230	9.2	2200	8.9	0715	7.8	1630	6.9
1245	9.2	2215	8.6	0730	7.8	1645	6.8
1300	9.2	2230	8.4	0745	7.8	1700	6.8
1315	9.2	2245	8.1	0800	7.6	1715	6.8
1330	9.3	2300	8.1	0815	7.6	1730	6.8
1345	9.8	2315	8.1	0830	7.5	1745	6.8
1400	10	2330	8.1	0845	7.5	1800	6.8
1415	10	2345	8.1				

MAY 17, 1981

0015	6.4	0345	6.2	0715	6.1	1045	5.9
0030	6.4	0400	6.2	0730	6.1	1100	5.9
0045	6.4	0415	6.2	0745	6.1	1115	5.9
0100	6.4	0430	6.2	0800	6.1	1130	5.9
0115	6.4	0445	6.2	0815	6.1	1145	5.9
0130	6.4	0500	6.2	0830	6.1	1200	5.9
0145	6.4	0515	6.2	0845	6.1	1215	5.9
0200	6.2	0530	6.2	0900	6.1	1230	5.9
0215	6.2	0545	6.2	0915	6.1	1245	5.8
0230	6.2	0600	6.2	0930	6.1	1300	5.8
0245	6.2	0615	6.2	0945	6.1	1315	5.8
0300	6.2	0630	6.2	1000	6.1	1330	5.8
0315	6.2	0645	6.1	1015	5.9	1345	5.8
0330	6.2	0700	6.1	1030	5.9	1400	5.8

TABLE 5.--Continued

10167146 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 20, 1981							
0500	4.8	1000	5.6	1445	0.13	1930	0.13
0515	4.9	1015	5.6	1500	0.13	1945	0.13
0530	4.9	1030	5.6	1515	0.13	2000	0.08
0545	4.9	1045	5.8	1530	0.13	2015	0.08
0600	4.9	1100	5.8	1545	0.13	2030	0.08
0615	5.1	1115	5.8	1600	0.13	2045	0.08
0630	5.1	1130	5.8	1615	0.13	2100	0.08
0645	5.1	1145	5.8	1630	0.13	2115	0.10
0700	5.2	1200	4.8	1645	0.13	2130	0.10
0715	5.2	1215	4.8	1700	0.13	2145	0.10
0730	5.2	1230	4.8	1715	0.13	2200	0.10
0745	5.2	1245	2.1	1730	0.13	2215	0.10
0800	5.2	1300	0.27	1745	0.13	2230	0.10
0815	5.4	1315	0.16	1800	0.13	2245	0.10
0830	5.4	1330	0.16	1815	0.13	2300	0.10
0845	5.4	1345	0.16	1830	0.13	2315	0.10
0900	5.5	1400	0.16	1845	0.13	2330	0.10
0915	5.5	1415	0.16	1900	0.13	2345	0.10
0930	5.5	1430	0.13	1915	0.13	2400	0.10
0945	5.6						
MAY 21, 1981							
0015	0.10	0545	0.19	1115	0.50	1645	0.40
0030	0.10	0600	0.19	1130	0.50	1700	0.40
0045	0.10	0615	0.23	1145	0.45	1715	0.40
0100	0.10	0630	0.27	1200	0.45	1730	0.50
0115	0.10	0645	0.31	1215	0.45	1745	0.50
0130	0.10	0700	0.35	1230	0.45	1800	0.50
0145	0.10	0715	0.35	1245	0.45	1815	0.50
0200	0.10	0730	0.40	1300	0.45	1830	0.50
0215	0.10	0745	0.45	1315	0.45	1845	0.50
0230	0.10	0800	0.45	1330	0.45	1900	0.50
0245	0.10	0815	0.45	1345	0.45	1915	0.50
0300	0.10	0830	0.50	1400	0.45	1930	0.50
0315	0.10	0845	0.50	1415	0.45	1945	0.50
0330	0.10	0900	0.50	1430	0.40	2000	0.45
0345	0.10	0915	0.50	1445	0.40	2015	0.45
0400	0.13	0930	0.50	1500	0.40	2030	0.45
0415	0.13	0945	0.50	1515	0.40	2045	0.45
0430	0.13	1000	0.50	1530	0.40	2100	0.45

TABLE 5.--Continued

10167146 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK.
NEAR MURRAY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 21, 1981--CONTINUED							
0445	0.13	1015	0.50	1545	0.40	2115	0.45
0500	0.13	1030	0.50	1600	0.40	2130	0.45
0515	0.13	1045	0.50	1615	0.40	2145	0.45
0530	0.16	1100	0.50	1630	0.40	2200	0.45
MAY 27, 1981							
0300	6.4	0615	6.4	0915	6.2	1215	5.9
0315	6.4	0630	6.4	0930	6.1	1230	5.9
0330	6.4	0645	6.4	0945	5.9	1245	6.1
0345	6.4	0700	6.4	1000	5.9	1300	6.1
0400	6.4	0715	6.4	1015	5.9	1315	6.2
0415	6.4	0730	6.4	1030	5.9	1330	6.2
0430	6.4	0745	6.2	1045	5.8	1345	6.2
0445	6.4	0800	6.2	1100	5.8	1400	6.2
0500	6.4	0815	6.2	1115	5.8	1415	6.2
0515	6.4	0830	6.2	1130	5.8	1430	6.2
0530	6.4	0845	6.2	1145	5.9	1445	6.2
0545	6.4	0900	6.2	1200	5.9	1500	6.4
0600	6.4						
JUNE 2-3, 1981							
1600	13	2300	15	0545	14	1230	13
1615	13	2315	15	0600	14	1245	13
1630	13	2330	15	0615	14	1300	13
1645	13	2345	15	0630	13	1315	13
1700	13	2400	15	0645	13	1330	13
1715	13			0700	13	1345	13
1730	13	0015	15	0715	13	1400	13
1745	13	0030	15	0730	13	1415	7.9
1800	13	0045	15	0745	13	1430	3.7
1815	14	0100	15	0800	13	1445	2.3
1830	14	0115	15	0815	13	1500	1.8
1845	14	0130	15	0830	13	1515	1.6
1900	14	0145	15	0845	13	1530	1.5
1915	14	0200	15	0900	13	1545	1.3
1930	14	0215	15	0915	13	1600	1.3
1945	14	0230	15	0930	13	1615	1.3
2000	14	0245	15	0945	13	1630	1.3
2015	14	0300	15	1000	13	1645	1.3

TABLE 5.--Continued

10167146 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 2-3, 1981--CONTINUED

2030	14	0315	14	1015	13	1700	1.3
2045	14	0330	14	1030	13	1715	1.3
2100	15	0345	14	1045	13	1730	1.3
2115	15	0400	14	1100	13	1745	1.3
2130	15	0415	14	1115	13	1800	1.3
2145	15	0430	14	1130	13	1815	1.3
2200	15	0445	14	1145	13	1830	1.3
2215	15	0500	14	1200	13	1845	1.3
2230	15	0515	14	1215	13	1900	1.3
2245	15	0530	14				

JUNE 14, 1981

0015	0.04	0345	0.04	0715	0.04	1045	0.04
0030	0.04	0400	0.04	0730	0.04	1100	0.04
0045	0.04	0415	0.04	0745	0.04	1115	0.04
0100	0.04	0430	0.04	0800	0.04	1130	0.04
0115	0.04	0445	0.04	0815	0.04	1145	0.04
0130	0.04	0500	0.04	0830	0.04	1200	0.04
0145	0.04	0515	0.04	0845	0.04	1215	0.04
0200	0.04	0530	0.04	0900	0.04	1230	0.04
0215	0.04	0545	0.04	0915	0.04	1245	0.35
0230	0.04	0600	0.04	0930	0.04	1300	1.1
0245	0.04	0615	0.04	0945	0.04	1315	1.7
0300	0.04	0630	0.04	1000	0.04	1330	2.8
0315	0.04	0645	0.04	1015	0.04	1345	3.6
0330	0.04	0700	0.04	1030	0.04	1400	4.4

SEPTEMBER 5, 1981

0900	22	1245	22	1615	20	1945	15
0915	22	1300	22	1630	19	2000	15
0930	22	1315	22	1645	19	2015	15
0945	22	1330	22	1700	18	2030	15
1000	22	1345	22	1715	17	2045	14
1015	22	1400	22	1730	16	2100	14
1030	22	1415	22	1745	16	2115	14
1045	22	1430	22	1800	16	2130	14
1100	22	1445	22	1815	16	2145	14

TABLE 5.--Continued

10167146 JORDAN AND SALT LAKE CITY CANAL AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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SEPTEMBER 5, 1981--CONTINUED

1115	22	1500	22	1830	16	2200	14
1130	22	1515	22	1845	15	2215	14
1145	22	1530	22	1900	15	2230	14
1200	22	1545	21	1915	15	2245	14
1215	22	1600	20	1930	15	2300	14
1230	22						

SEPTEMBER 6, 1981

0500	14	0830	14	1145	14	1500	13
0515	14	0845	14	1200	14	1515	13
0530	14	0900	14	1215	14	1530	13
0545	14	0915	14	1230	14	1545	13
0600	14	0930	14	1245	14	1600	12
0615	14	0945	14	1300	14	1615	13
0630	14	1000	14	1315	14	1630	13
0645	14	1015	14	1330	14	1645	13
0700	14	1030	14	1345	14	1700	13
0715	14	1045	14	1400	14	1715	13
0730	14	1100	14	1415	14	1730	13
0745	14	1115	14	1430	14	1745	13
0800	14	1130	14	1445	13	1800	12
0815	14						

TABLE 5.--Continued

10167147 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK,
NEAR SALT LAKE CITY, UTAH (upstream station)

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 14, 1980							
1200	0.32	1515	0.29	1815	0.32	2115	0.87
1215	0.32	1530	0.29	1830	0.32	2130	0.76
1230	0.32	1545	0.29	1845	0.35	2145	0.65
1245	0.32	1600	0.29	1900	0.39	2200	0.60
1300	0.32	1615	0.29	1915	0.47	2215	0.55
1315	0.32	1630	0.29	1930	0.76	2230	0.55
1330	0.32	1645	0.29	1945	1.3	2245	0.51
1345	0.32	1700	0.29	2000	1.5	2300	0.51
1400	0.32	1715	0.29	2015	1.5	2315	0.47
1415	0.29	1730	0.29	2030	1.4	2330	0.47
1430	0.29	1745	0.29	2045	1.2	2345	0.47
1445	0.29	1800	0.32	2100	1.0	2400	0.43
1500	0.29						
OCTOBER 15, 1980							
0015	0.43	0615	2.4	1215	0.65	1815	0.60
0030	0.43	0630	2.1	1230	0.65	1830	0.60
0045	0.43	0645	2.0	1245	0.65	1845	0.60
0100	0.43	0700	1.7	1300	0.65	1900	0.60
0115	0.43	0715	1.5	1315	0.65	1915	0.65
0130	0.43	0730	1.4	1330	0.60	1930	0.65
0145	0.43	0745	1.3	1345	0.60	1945	0.65
0200	0.43	0800	1.3	1400	0.60	2000	0.65
0215	0.51	0815	1.2	1415	0.55	2015	0.60
0230	0.65	0830	1.2	1430	0.55	2030	0.60
0245	0.81	0845	1.2	1445	0.55	2045	0.55
0300	1.1	0900	1.1	1500	0.55	2100	0.51
0315	1.4	0915	1.1	1515	0.55	2115	0.51
0330	1.8	0930	1.1	1530	0.55	2130	0.47
0345	2.1	0945	1.0	1545	0.55	2145	0.47
0400	2.4	1000	0.93	1600	0.55	2200	0.43
0415	2.7	1015	0.87	1615	0.55	2215	0.43
0430	3.1	1030	0.81	1630	0.60	2230	0.43
0445	3.2	1045	0.81	1645	0.60	2245	0.43
0500	3.2	1100	0.76	1700	0.60	2300	0.43
0515	3.1	1115	0.76	1715	0.60	2315	0.43
0530	3.0	1130	0.70	1730	0.60	2330	0.39
0545	2.8	1145	0.65	1745	0.60	2345	0.39
0600	2.6	1200	0.65	1800	0.60	2400	0.39

TABLE 5.--Continued

10167147 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR
SALT LAKE CITY, (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 16, 1980							
0015	0.39	0515	0.39	1015	0.60	1515	1.1
0030	0.39	0530	0.39	1030	0.60	1530	1.0
0045	0.39	0545	0.39	1045	0.60	1545	0.93
0100	0.39	0600	0.43	1100	0.60	1600	0.93
0115	0.39	0615	0.47	1115	0.70	1615	0.93
0130	0.39	0630	0.47	1130	1.2	1630	0.87
0145	0.39	0645	0.51	1145	1.9	1645	0.81
0200	0.39	0700	0.55	1200	2.0	1700	0.76
0215	0.39	0715	0.60	1215	2.0	1715	0.70
0230	0.39	0730	0.60	1230	2.1	1730	0.65
0245	0.39	0745	0.60	1245	2.1	1745	0.65
0300	0.39	0800	0.65	1300	2.2	1800	0.60
0315	0.39	0815	0.65	1315	2.0	1815	0.55
0330	0.39	0830	0.65	1330	1.8	1830	0.55
0345	0.39	0845	0.60	1345	1.6	1845	0.51
0400	0.39	0900	0.60	1400	1.4	1900	0.51
0415	0.39	0915	0.55	1415	1.4	1915	0.51
0430	0.39	0930	0.55	1430	1.3	1930	0.47
0445	0.39	0945	0.55	1445	1.3	1945	0.47
0500	0.39	1000	0.55	1500	1.2	2000	0.47
OCTOBER 26, 1980							
1345	0.32	1530	0.20	1700	0.08	1830	0.03
1400	0.43	1545	0.18	1715	0.08	1845	0.03
1415	0.43	1600	0.14	1730	0.06	1900	0.02
1430	0.39	1615	0.12	1745	0.06	1915	0.02
1445	0.32	1630	0.10	1800	0.04	1930	0.01
1500	0.29	1645	0.10	1815	0.04	1945	0.01
1515	0.23						
MARCH 26-27, 1981							
1200	0.02	1930	0.02	0330	0.02	1045	0.03
1215	0.04	1945	0.02	0345	0.02	1100	0.03
1230	0.10	2000	0.02	0400	0.02	1115	0.02
1245	0.10	2015	0.02	0415	0.02	1130	0.02
1300	0.10	2030	0.02	0430	0.01	1145	0.02
1315	0.10	2045	0.01	0445	0.02	1200	0.02
1330	0.12	2100	0.01	0500	0.02	1215	0.02
1345	0.12	2115	0.01	0515	0.03	1230	0.02

TABLE 5.--Continued

10167147 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR
SALT LAKE CITY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26-27, 1981--CONTINUED

1400	0.12	2130	0.01	0530	0.04	1245	0.02
1415	0.12	2145	0.01	0545	0.06	1300	0.02
1430	0.12	2245	0.01	0600	0.06	1315	0.02
1445	0.12	2300	0.02	0615	0.06	1330	0.02
1500	0.12	2315	0.04	0630	0.06	1345	0.03
1515	0.12	2330	0.04	0645	0.06	1400	0.03
1530	0.12	2345	0.06	0700	0.06	1415	0.03
1545	0.10	2400	0.06	0715	0.08	1430	0.03
1600	0.08			0730	0.08	1445	0.03
1615	0.08	0015	0.06	0745	0.08	1500	0.03
1630	0.06	0030	0.06	0800	0.08	1515	0.03
1645	0.04	0045	0.06	0815	0.08	1530	0.03
1700	0.04	0100	0.06	0830	0.08	1545	0.03
1715	0.03	0115	0.06	0845	0.06	1600	0.03
1730	0.03	0130	0.06	0900	0.04	1615	0.02
1745	0.02	0145	0.06	0915	0.04	1630	0.02
1800	0.02	0200	0.06	0930	0.04	1645	0.02
1815	0.02	0215	0.04	0945	0.04	1700	0.01
1830	0.02	0230	0.04	1000	0.03	1715	0.01
1845	0.02	0245	0.04	1015	0.03	1730	0.01
1900	0.02	0300	0.03	1030	0.03	1745	0.01
1915	0.02	0315	0.03				

MARCH 29-30, 1981

2100	0.12	0045	0.04	0630	0.08	1015	0.04
2115	0.16	0100	0.03	0645	0.06	1030	0.04
2130	0.16	0115	0.03	0700	0.04	1045	0.04
2145	0.16	0130	0.02	0715	0.03	1100	0.03
2200	0.16	0145	0.02	0730	0.03	1115	0.03
2215	0.16	0200	0.01	0745	0.02	1130	0.03
2230	0.14	0215	0.01	0800	0.02	1145	0.02
2245	0.14	0230	0.01	0815	0.02	1200	0.02
2300	0.12	0245	0.01	0830	0.01	1215	0.02
2315	0.12	0300	0.01	0845	0.01	1230	0.01
2330	0.10	0515	0.01	0900	0.01	1245	0.01
2345	0.10	0530	0.03	0915	0.01	1300	0.01
2400	0.08	0545	0.06	0930	0.02	1315	0.01
		0600	0.08	0945	0.04	1330	0.01
0015	0.06	0615	0.08	1000	0.04	1345	0.01
0030	0.04						

TABLE 5.--Continued

10167147 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR
SALT LAKE CITY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
APRIL 2-3, 1981							
1915	0.23	2245	0.65	0145	0.51	0500	0.20
1930	0.39	2300	0.65	0200	0.47	0515	0.20
1945	0.43	2315	0.60	0215	0.43	0530	0.18
2000	0.47	2330	0.60	0230	0.39	0545	0.18
2015	0.47	2345	0.60	0245	0.35	0600	0.18
2030	0.43	2400	0.60	0300	0.32	0615	0.18
2045	0.43			0315	0.32	0630	0.16
2100	0.43	0015	0.60	0330	0.29	0645	0.16
2115	0.43	0030	0.65	0345	0.29	0700	0.16
2130	0.47	0045	0.65	0400	0.26	0715	0.16
2145	0.51	0100	0.65	0415	0.26	0730	0.14
2200	0.60	0115	0.65	0430	0.23	0745	0.14
2215	0.65	0130	0.60	0445	0.23	0800	0.14
2230	0.65						
MAY 2-3, 1981							
2200	11	0245	20	0745	16	1230	13
2215	11	0300	20	0800	16	1245	13
2230	11	0315	21	0815	16	1300	13
2245	11	0330	21	0830	16	1315	13
2300	11	0345	19	0845	16	1330	13
2315	11	0400	18	0900	15	1345	13
2330	11	0415	17	0915	15	1400	13
2345	11	0430	16	0930	15	1415	13
2400	12	0445	15	0945	15	1430	13
		0500	14	1000	14	1445	13
0015	13	0515	14	1015	14	1500	13
0030	14	0530	14	1030	14	1515	13
0045	14	0545	14	1045	14	1530	13
0100	14	0600	15	1100	14	1545	13
0115	13	0615	15	1115	14	1600	13
0130	13	0630	15	1130	14	1615	13
0145	13	0645	15	1145	14	1630	13
0200	14	0700	16	1200	14	1645	13
0215	16	0715	16	1215	14	1700	13
0230	18	0730	16				

TABLE 5.--Continued

10167147 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR
SALT LAKE CITY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 8, 1981

0500	14	0915	16	1315	10	1715	3.8
0515	14	0930	17	1330	9.7	1730	3.6
0530	14	0945	17	1345	9.3	1745	3.4
0545	14	1000	19	1400	9.1	1800	3.1
0600	14	1015	19	1415	8.7	1815	2.9
0615	14	1030	19	1430	8.2	1830	2.8
0630	14	1045	19	1445	7.6	1845	2.7
0645	14	1100	19	1500	6.9	1900	2.6
0700	14	1115	16	1515	6.1	1915	2.4
0715	14	1130	15	1530	5.4	1930	2.2
0730	14	1145	15	1545	5.0	1945	2.2
0745	14	1200	14	1600	4.5	2000	2.2
0800	16	1215	13	1615	5.3	2015	2.0
0815	18	1230	12	1630	5.0	2030	1.9
0830	18	1245	12	1645	4.5	2045	1.9
0845	17	1300	11	1700	4.1	2100	1.8
0900	16						

MAY 10-11, 1981

2200	8.4	0100	11	0415	10	0715	10
2215	8.4	0115	10	0430	10	0730	10
2230	8.4	0130	9.9	0445	10	0745	10
2245	8.6	0145	9.7	0500	10	0800	10
2300	9.3	0200	9.7	0515	10	0815	10
2315	11	0215	9.7	0530	10	0830	10
2330	13	0230	9.7	0545	10	0845	10
2345	14	0245	9.7	0600	10	0900	10
2400	15	0300	9.9	0615	10	0915	10
		0315	9.9	0630	10	0930	11
0015	15	0330	10	0645	10	0945	10
0030	14	0345	10	0700	10	1000	9.9
0045	12	0400	10				

MAY 15-16, 1981

0500	13	1430	15	2400	14	0900	8.4
0515	13	1445	15			0915	8.7
0530	13	1500	16	0015	14	0930	9.5
0545	13	1515	16	0030	15	0945	9.9
0600	13	1530	17	0045	16	1000	11

TABLE 5.--Continued

10167147 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR
SALT LAKE CITY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 15-16, 1981--CONTINUED							
0615	13	1545	15	0100	16	1015	11
0630	13	1600	14	0115	16	1030	11
0645	13	1615	12	0130	16	1045	10
0700	13	1630	12	0145	15	1100	9.7
0715	15	1645	11	0200	14	1115	9.7
0730	17	1700	11	0215	13	1130	9.9
0745	17	1715	11	0230	12	1145	9.9
0800	16	1730	11	0245	11	1200	9.3
0815	14	1745	11	0300	11	1215	8.7
0830	14	1800	11	0315	10	1230	8.4
0845	13	1815	11	0330	10	1245	8.2
0900	12	1830	11	0345	10	1300	8.0
0915	11	1845	11	0400	9.9	1315	7.8
0930	10	1900	11	0415	9.9	1330	7.6
0945	9.3	1915	11	0430	9.9	1345	7.6
1000	8.4	1930	11	0445	10	1400	7.5
1015	7.6	1945	10	0500	10	1415	7.5
1030	6.9	2000	10	0515	10	1430	7.5
1045	6.2	2015	10	0530	10	1445	7.3
1100	5.8	2030	10	0545	11	1500	7.3
1115	5.4	2045	10	0600	11	1515	7.3
1130	5.0	2100	9.9	0615	10	1530	7.1
1145	4.7	2115	9.7	0630	9.9	1545	7.1
1200	4.5	2130	9.7	0645	9.7	1600	7.1
1215	5.3	2145	9.5	0700	9.3	1615	7.1
1230	6.4	2200	9.5	0715	9.1	1630	6.9
1245	8.6	2215	9.7	0730	8.9	1645	6.9
1300	12	2230	9.9	0745	8.9	1700	6.9
1315	13	2245	11	0800	8.7	1715	6.9
1330	14	2300	13	0815	8.6	1730	6.9
1345	15	2315	14	0830	8.6	1745	6.8
1400	16	2330	15	0845	8.4	1800	6.8
1415	16	2345	14				
MAY 17, 1981							
0015	6.1	0345	6.4	0715	6.2	1045	5.6
0030	6.1	0400	6.4	0730	6.2	1100	5.6
0045	6.1	0415	6.2	0745	6.1	1115	5.6
0100	6.1	0430	6.2	0800	5.9	1130	5.6
0115	6.1	0445	6.2	0815	5.9	1145	5.6

TABLE 5.--Continued

10167147 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR
SALT LAKE CITY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 17, 1981--CONTINUED

0130	5.9	0500	6.2	0830	5.8	1200	5.6
0145	5.9	0515	6.2	0845	5.8	1215	5.6
0200	5.9	0530	6.2	0900	5.8	1230	4.2
0215	5.9	0545	6.2	0915	5.8	1245	4.7
0230	5.9	0600	6.2	0930	5.8	1300	5.3
0245	5.9	0615	6.2	0945	5.6	1315	5.3
0300	6.1	0630	6.2	1000	5.6	1330	5.3
0315	6.1	0645	6.4	1015	5.6	1345	5.3
0330	6.2	0700	6.4	1030	5.6	1400	5.3

MAY 20, 1981

0500	3.7	1000	5.6	1445	6.4	1930	0.93
0515	3.8	1015	5.6	1500	5.3	1945	0.87
0530	3.8	1030	5.4	1515	4.5	2000	0.87
0545	3.8	1045	5.3	1530	3.8	2015	0.81
0600	3.8	1100	5.1	1545	3.5	2030	0.76
0615	3.8	1115	5.0	1600	3.0	2045	0.76
0630	4.0	1130	5.0	1615	2.7	2100	0.70
0645	4.0	1145	5.0	1630	2.5	2115	0.70
0700	4.2	1200	5.0	1645	2.2	2130	0.65
0715	4.2	1215	5.1	1700	2.0	2145	0.65
0730	4.4	1230	5.4	1715	1.9	2200	0.60
0745	4.7	1245	6.1	1730	1.7	2215	0.60
0800	4.7	1300	6.4	1745	1.5	2230	0.60
0815	4.7	1315	6.4	1800	1.4	2245	0.56
0830	4.7	1330	6.2	1815	1.4	2300	0.56
0845	4.7	1345	6.2	1830	1.3	2315	0.56
0900	4.5	1400	6.2	1845	1.2	2330	0.51
0915	4.7	1415	6.4	1900	1.1	2345	0.51
0930	4.8	1430	6.6	1915	1.0	2400	0.51
0945	5.3						

MAY 21, 1981

0015	0.47	0545	1.5	1115	0.76	1645	1.8
0030	0.47	0600	3.2	1130	0.76	1700	1.6
0045	0.47	0615	4.2	1145	0.76	1715	1.5
0100	0.47	0630	4.2	1200	0.76	1730	1.4
0115	0.43	0645	4.0	1215	0.76	1745	1.5
0130	0.43	0700	4.0	1230	0.76	1800	1.7

TABLE 5.--Continued

10167147 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR
SALT LAKE CITY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 21, 1981--CONTINUED

0145	0.43	0715	3.6	1245	0.76	1815	1.7
0200	0.43	0730	3.1	1300	0.76	1830	1.6
0215	0.43	0745	2.6	1315	0.81	1845	1.5
0230	0.43	0800	2.2	1330	0.81	1900	1.4
0245	0.43	0815	1.8	1345	0.87	1915	1.4
0300	0.43	0830	1.6	1400	0.93	1930	1.4
0315	0.43	0845	1.4	1415	1.0	1945	1.7
0330	0.43	0900	1.4	1430	1.1	2000	2.0
0345	0.43	0915	1.3	1445	1.3	2015	1.9
0400	0.43	0930	1.2	1500	1.4	2030	1.8
0415	0.43	0945	1.1	1515	1.8	2045	1.5
0430	0.47	1000	0.93	1530	2.2	2100	1.4
0445	0.51	1015	0.87	1545	2.2	2115	1.3
0500	0.56	1030	0.81	1600	2.2	2130	1.2
0515	0.70	1045	0.81	1615	2.0	2145	1.2
0530	0.93	1100	0.76	1630	2.0	2200	1.1

MAY 27, 1981

0300	6.0	0615	6.0	0915	6.0	1215	5.8
0315	6.0	0630	6.0	0930	6.0	1230	5.6
0330	6.0	0645	6.0	0945	6.0	1245	5.6
0345	6.0	0700	6.0	1000	6.0	1300	5.6
0400	6.0	0715	6.0	1015	6.0	1315	5.4
0415	6.0	0730	6.0	1030	6.0	1330	5.4
0430	6.0	0745	6.0	1045	6.2	1345	5.4
0445	6.0	0800	6.0	1100	6.4	1400	5.4
0500	6.0	0815	6.0	1115	6.2	1415	5.4
0515	6.0	0830	6.0	1130	6.0	1430	5.4
0530	6.0	0845	6.0	1145	6.0	1445	5.4
0545	6.0	0900	6.0	1200	5.8	1500	5.4
0600	6.0						

JUNE 2-3, 1981

1600	13	2300	14	0545	13	1230	14
1615	13	2315	14	0600	13	1245	13
1630	12	2330	14	0615	13	1300	12
1645	12	2345	14	0630	12	1315	12
1700	12	2400	14	0645	12	1330	11
1715	12			0700	12	1345	11

TABLE 5.--Continued

10167147 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR
SALT LAKE CITY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 2-3, 1981--CONTINUED

1730	12	0015	14	0715	12	1400	11
1745	12	0030	14	0730	12	1415	11
1800	12	0045	14	0745	12	1430	11
1815	13	0100	14	0800	12	1445	11
1830	15	0115	14	0815	12	1500	12
1845	14	0130	14	0830	12	1515	12
1900	13	0145	14	0845	12	1530	11
1915	13	0200	14	0900	12	1545	10
1930	13	0215	14	0915	12	1600	9.3
1945	12	0230	14	0930	12	1615	8.4
2000	12	0245	14	0945	12	1630	7.3
2015	13	0300	14	1000	12	1645	6.2
2030	15	0315	14	1015	12	1700	5.4
2045	16	0330	14	1030	12	1715	4.8
2100	17	0345	13	1045	13	1730	4.3
2115	17	0400	13	1100	14	1745	3.7
2130	16	0415	13	1115	17	1800	3.5
2145	15	0430	13	1130	18	1815	3.1
2200	14	0445	13	1145	18	1830	2.9
2215	14	0500	13	1200	16	1845	2.7
2230	14	0515	13	1215	15	1900	2.6
2245	14	0530	13				

JUNE 14, 1981

0015	0.32	0345	2.6	0715	1.3	1045	1.1
0030	0.47	0400	2.2	0730	1.1	1100	0.93
0045	0.51	0415	2.0	0745	1.0	1115	0.81
0100	0.51	0430	1.6	0800	0.93	1130	0.76
0115	0.60	0445	1.4	0815	0.81	1145	0.70
0130	0.65	0500	1.2	0830	0.76	1200	0.70
0145	0.65	0515	1.1	0845	0.76	1215	0.70
0200	0.70	0530	1.0	0900	0.76	1230	0.70
0215	0.81	0545	0.93	0915	0.76	1245	0.70
0230	0.76	0600	0.93	0930	0.76	1300	0.70
0245	0.81	0615	1.3	0945	0.93	1315	0.70
0300	1.5	0630	1.5	1000	1.2	1330	0.70
0315	2.2	0645	1.5	1015	1.2	1345	0.70
0330	2.6	0700	1.4	1030	1.2	1400	0.70

TABLE 5.--Continued

10167147 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR
SALT LAKE CITY, UTAH (upstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
SEPTEMBER 5, 1981							
0900	21	1245	21	1615	20	1945	15
0915	21	1300	21	1630	19	2000	14
0930	21	1315	22	1645	19	2015	14
0945	21	1330	25	1700	18	2030	14
1000	21	1345	26	1715	18	2045	14
1015	21	1400	26	1730	17	2100	14
1030	21	1415	26	1745	17	2115	14
1045	21	1430	26	1800	16	2130	14
1100	21	1445	25	1815	16	2145	14
1115	21	1500	24	1830	16	2200	13
1130	21	1515	23	1845	16	2215	13
1145	21	1530	22	1900	15	2230	13
1200	21	1545	21	1915	15	2245	13
1215	21	1600	21	1930	15	2300	13
1230	21						
SEPTEMBER 6, 1981							
0500	13	0830	13	1145	14	1500	13
0515	13	0845	13	1200	13	1515	13
0530	13	0900	13	1215	13	1530	13
0545	13	0915	13	1230	13	1545	13
0600	13	0930	14	1245	13	1600	13
0615	13	0945	14	1300	13	1615	13
0630	13	1000	14	1315	13	1630	13
0645	13	1015	14	1330	13	1645	12
0700	13	1030	14	1345	13	1700	12
0715	13	1045	14	1400	13	1715	12
0730	13	1100	14	1415	13	1730	12
0745	13	1115	14	1430	13	1745	12
0800	13	1130	14	1445	13	1800	12
0815	13						

TABLE 5.--Continued

10167148 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR
SALT LAKE CITY, UTAH (downstream station)

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 14, 1980							
1915	0.03	2030	0.32	2130	0.09	2230	0.03
1930	0.16	2045	0.25	2145	0.07	2245	0.03
1945	0.36	2100	0.16	2200	0.06	2300	0.01
2000	0.51	2115	0.12	2215	0.04	2315	0.01
2015	0.41						
OCTOBER 15, 1980							
0200	0.01	0700	0.46	1145	0.06	1630	0.04
0215	0.04	0715	0.36	1200	0.06	1645	0.04
0230	0.09	0730	0.28	1215	0.06	1700	0.04
0245	0.16	0745	0.25	1230	0.06	1715	0.04
0300	0.25	0800	0.25	1245	0.06	1730	0.03
0315	0.46	0815	0.22	1300	0.04	1745	0.04
0330	0.78	0830	0.22	1315	0.04	1800	0.04
0345	1.0	0845	0.19	1330	0.04	1815	0.04
0400	1.0	0900	0.19	1345	0.03	1830	0.04
0415	1.2	0915	0.16	1400	0.03	1845	0.04
0430	1.3	0930	0.16	1415	0.03	1900	0.06
0445	1.7	0945	0.14	1430	0.01	1915	0.06
0500	1.6	1000	0.12	1445	0.01	1930	0.06
0515	1.5	1015	0.11	1500	0.01	1945	0.06
0530	1.5	1030	0.11	1515	0.01	2000	0.06
0545	1.3	1045	0.09	1530	0.01	2015	0.04
0600	1.1	1100	0.07	1545	0.03	2030	0.03
0615	0.94	1115	0.07	1600	0.03	2045	0.01
0630	0.78	1130	0.06	1615	0.03	2100	0.01
0645	0.57						
OCTOBER 16, 1980							
0645	0.01	1000	0.03	1315	0.71	1615	0.12
0700	0.03	1015	0.04	1330	0.57	1630	0.12
0715	0.04	1030	0.03	1345	0.41	1645	0.11
0730	0.06	1045	0.06	1400	0.36	1700	0.09
0745	0.06	1100	0.06	1415	0.28	1715	0.07
0800	0.06	1115	0.12	1430	0.28	1730	0.06
0815	0.06	1130	0.32	1445	0.25	1745	0.04
0830	0.04	1145	0.71	1500	0.22	1800	0.03
0845	0.03	1200	0.86	1515	0.16	1815	0.03
0900	0.03	1215	0.78	1530	0.14	1830	0.01

TABLE 5.--Continued

10167148 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR
SALT LAKE CITY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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OCTOBER 16, 1980--CONTINUED

0915	0.03	1230	0.86	1545	0.14	1845	0.01
0930	0.03	1245	0.94	1600	0.14	1900	0.01
0945	0.03	1300	0.86				

MAY 2-3, 1981

2200	10	0245	16	0745	14	1230	12
2215	10	0300	17	0800	14	1245	12
2230	10	0315	17	0815	14	1300	12
2245	10	0330	17	0830	14	1315	12
2300	10	0345	17	0845	14	1330	12
2315	10	0400	16	0900	13	1345	12
2330	10	0415	15	0915	13	1400	12
2345	10	0430	14	0930	13	1415	12
2400	11	0445	13	0945	13	1430	12
		0500	13	1000	13	1445	12
0015	12	0515	12	1015	13	1500	12
0030	12	0530	13	1030	13	1515	12
0045	12	0545	13	1045	13	1530	12
0100	12	0600	13	1100	12	1545	12
0115	12	0615	13	1115	12	1600	12
0130	11	0630	13	1130	12	1615	12
0145	11	0645	13	1145	12	1630	12
0200	12	0700	14	1200	12	1645	12
0215	14	0715	14	1215	12	1700	12
0230	15	0730	14				

MAY 8, 1981

0500	13	0915	15	1315	6.0	1715	3.1
0515	13	0930	15	1330	5.8	1730	2.9
0530	13	0945	16	1345	5.6	1745	2.6
0545	13	1000	17	1400	5.2	1800	2.5
0600	13	1015	17	1415	4.8	1815	2.3
0615	13	1030	16	1430	4.3	1830	2.2
0630	13	1045	17	1445	3.6	1845	2.0
0645	13	1100	12	1500	3.1	1900	1.9
0700	13	1115	11	1515	2.6	1915	1.7
0715	13	1130	10	1530	2.2	1930	1.7
0730	13	1145	9.9	1545	2.1	1945	1.6
0745	14	1200	9.2	1600	4.8	2000	1.5

TABLE 5.--Continued

10167148 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR
SALT LAKE CITY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 8, 1981--CONTINUED

0800	16	1215	8.5	1615	4.6	2015	1.4
0815	16	1230	7.7	1630	4.3	2030	1.4
0830	15	1245	7.0	1645	3.7	2045	1.3
0845	15	1300	6.4	1700	3.4	2100	1.3
0900	15						

MAY 10-11, 1981

2200	7.7	0100	11	0415	9.4	0715	9.7
2215	7.7	0115	10	0430	9.4	0730	9.7
2230	7.7	0130	9.7	0445	9.7	0745	9.7
2245	7.7	0145	9.2	0500	9.7	0800	9.7
2300	7.9	0200	9.0	0515	9.7	0815	9.7
2315	8.5	0215	9.0	0530	9.7	0830	9.7
2330	9.9	0230	9.0	0545	9.7	0845	9.4
2345	11	0245	9.0	0600	9.7	0900	9.4
2400	13	0300	9.0	0615	9.7	0915	9.4
		0315	9.0	0630	9.7	0930	9.4
0015	13	0330	9.2	0645	9.7	0945	10
0030	13	0345	9.2	0700	9.7	1000	9.4
0045	13	0400	9.4				

MAY 15-16, 1981

0500	12	1430	14	2400	13	0900	8.1
0515	12	1445	14			0915	8.3
0530	12	1500	14	0015	13	0930	8.8
0545	12	1515	15	0030	14	0945	9.4
0600	12	1530	15	0045	14	1000	9.9
0615	12	1545	14	0100	15	1015	10
0630	12	1600	13	0115	15	1030	10
0645	12	1615	12	0130	14	1045	9.7
0700	12	1630	11	0145	13	1100	9.2
0715	13	1645	11	0200	13	1115	9.2
0730	15	1700	11	0215	12	1130	9.4
0745	15	1715	10	0230	11	1145	9.4
0800	14	1730	10	0245	11	1200	9.0
0815	13	1745	10	0300	10	1215	8.3
0830	13	1800	10	0315	9.9	1230	7.9
0845	12	1815	10	0330	9.7	1245	7.9
0900	12	1830	10	0345	9.4	1300	7.7

TABLE 5.--Continued

10167148 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR
SALT LAKE CITY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981--CONTINUED

0915	11	1845	10	0400	9.4	1315	7.4
0930	9.9	1900	10	0415	9.4	1330	7.4
0945	8.8	1915	10	0430	9.4	1345	7.2
1000	8.1	1930	10	0445	9.4	1400	7.2
1015	7.4	1945	9.9	0500	9.7	1415	7.0
1030	6.6	2000	9.9	0515	9.7	1430	7.0
1045	6.0	2015	9.7	0530	9.7	1445	7.0
1100	5.6	2030	9.7	0545	9.9	1500	7.0
1115	5.2	2045	9.4	0600	10	1515	6.8
1130	4.8	2100	9.4	0615	9.9	1530	6.8
1145	4.4	2115	9.2	0630	9.4	1545	6.8
1200	4.4	2130	9.2	0645	9.2	1600	6.8
1215	5.0	2145	9.0	0700	9.0	1615	6.8
1230	6.0	2200	9.0	0715	8.8	1630	6.6
1245	7.9	2215	9.2	0730	8.5	1645	6.6
1300	11	2230	9.4	0745	8.3	1700	6.6
1315	12	2245	11	0800	8.3	1715	6.6
1330	13	2300	12	0815	8.1	1730	6.6
1345	14	2315	13	0830	8.1	1745	6.6
1400	14	2330	13	0845	8.1	1800	6.4
1415	14	2345	13				

MAY 17, 1981

0015	5.8	0345	6.0	0715	6.0	1045	5.4
0030	5.8	0400	6.0	0730	6.0	1100	5.4
0045	5.8	0415	6.0	0745	5.8	1115	5.4
0100	5.8	0430	6.0	0800	5.6	1130	5.4
0115	5.8	0445	6.0	0815	5.6	1145	5.4
0130	5.8	0500	6.0	0830	5.6	1200	5.2
0145	5.8	0515	6.0	0845	5.6	1215	5.2
0200	5.8	0530	6.0	0900	5.6	1230	2.0
0215	5.8	0545	6.0	0915	5.4	1245	4.3
0230	5.8	0600	6.0	0930	5.4	1300	5.0
0245	5.8	0615	6.0	0945	5.4	1315	5.0
0300	5.8	0630	6.0	1000	5.4	1330	5.0
0315	5.8	0645	6.0	1015	5.4	1345	5.0
0330	6.0	0700	6.2	1030	5.4	1400	5.0

TABLE 5.--Continued

10167148 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR
SALT LAKE CITY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 20, 1981

0500	3.6	1000	5.4	1445	5.0	1930	0.57
0515	3.6	1015	5.2	1500	4.3	1945	0.51
0530	3.6	1030	4.8	1515	3.6	2000	0.51
0545	3.6	1045	4.8	1530	3.1	2015	0.46
0600	3.6	1100	4.6	1545	2.6	2030	0.46
0615	3.6	1115	4.6	1600	2.3	2045	0.41
0630	3.7	1130	4.6	1615	2.1	2100	0.41
0645	3.9	1145	4.6	1630	1.9	2115	0.36
0700	3.9	1200	4.8	1645	1.6	2130	0.36
0715	4.3	1215	5.2	1700	1.4	2145	0.36
0730	4.4	1230	5.8	1715	1.3	2200	0.32
0745	4.4	1245	6.2	1730	1.2	2215	0.32
0800	4.4	1300	6.2	1745	1.1	2230	0.32
0815	4.4	1315	6.0	1800	1.0	2245	0.28
0830	4.4	1330	5.8	1815	0.94	2300	0.28
0845	4.3	1345	6.0	1830	0.86	2315	0.28
0900	4.4	1400	6.2	1845	0.78	2330	0.28
0915	4.6	1415	6.2	1900	0.71	2345	0.25
0930	5.0	1430	5.8	1915	0.64	2400	0.25
0945	5.2						

MAY 21, 1981

0015	0.25	0545	1.1	1115	0.46	1645	1.4
0030	0.25	0600	2.8	1130	0.46	1700	1.3
0045	0.22	0615	3.9	1145	0.46	1715	1.2
0100	0.22	0630	4.1	1200	0.46	1730	1.1
0115	0.22	0645	3.7	1215	0.46	1745	1.1
0130	0.22	0700	3.6	1230	0.46	1800	1.3
0145	0.22	0715	3.2	1245	0.46	1815	1.3
0200	0.22	0730	2.8	1300	0.51	1830	1.2
0215	0.22	0745	2.2	1315	0.51	1845	1.2
0230	0.22	0800	1.7	1330	0.51	1900	1.1
0245	0.22	0815	1.5	1345	0.57	1915	1.1
0300	0.19	0830	1.3	1400	0.64	1930	1.1
0315	0.19	0845	1.1	1415	0.71	1945	1.3
0330	0.19	0900	1.0	1430	0.78	2000	1.5
0345	0.19	0915	0.94	1445	0.86	2015	1.5
0400	0.22	0930	0.78	1500	1.1	2030	1.4
0415	0.22	0945	0.71	1515	1.4	2045	1.2
0430	0.25	1000	0.64	1530	1.6	2100	1.0

TABLE 5.--Continued

10167148 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR
SALT LAKE CITY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 21, 1981--CONTINUED

0445	0.28	1015	0.57	1545	1.9	2115	0.94
0500	0.32	1030	0.51	1600	1.9	2130	0.86
0515	0.41	1045	0.51	1615	1.7	2145	0.78
0530	0.64	1100	0.46	1630	1.5	2200	0.78

MAY 27, 1981

0300	5.8	0615	5.8	0915	5.8	1215	5.6
0315	5.8	0630	5.8	0930	5.8	1230	5.4
0330	5.8	0645	5.8	0945	5.8	1245	5.4
0345	5.8	0700	5.8	1000	5.8	1300	5.4
0400	5.8	0715	5.8	1015	5.8	1315	5.2
0415	5.8	0730	5.8	1030	5.8	1330	5.2
0430	5.8	0745	5.8	1045	6.0	1345	5.2
0445	5.8	0800	5.8	1100	6.2	1400	5.2
0500	5.8	0815	5.8	1115	6.0	1415	5.2
0515	5.8	0830	5.8	1130	5.8	1430	5.2
0530	5.8	0845	5.8	1145	5.8	1445	5.2
0545	5.8	0900	5.8	1200	5.6	1500	5.2
0600	5.8						

JUNE 2-3, 1981

1600	12	2300	12	0545	12	1230	12
1615	12	2315	12	0600	12	1245	11
1630	11	2330	12	0615	11	1300	11
1645	11	2345	12	0630	11	1315	10
1700	11	2400	12	0645	11	1330	10
1715	11			0700	11	1345	10
1730	11	0015	12	0715	11	1400	10
1745	11	0030	12	0730	11	1415	10
1800	12	0045	12	0745	11	1430	10
1815	13	0100	12	0800	11	1445	11
1830	13	0115	12	0815	11	1500	11
1845	12	0130	12	0830	11	1515	10
1900	12	0145	12	0845	11	1530	9.7
1915	12	0200	12	0900	11	1545	8.8
1930	11	0215	12	0915	11	1600	7.7
1945	11	0230	12	0930	11	1615	6.8
2000	12	0245	12	0945	11	1630	5.8
2015	13	0300	12	1000	11	1645	5.2
2030	14	0315	12	1015	11	1700	4.4

TABLE 5.--Continued

10167148 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR
SALT LAKE CITY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 2-3, 1981--CONTINUED

2045	15	0330	12	1030	12	1715	3.9
2100	15	0345	12	1045	13	1730	3.4
2115	15	0400	12	1100	15	1745	2.9
2130	14	0415	12	1115	16	1800	2.6
2145	13	0430	12	1130	16	1815	2.3
2200	13	0445	12	1145	15	1830	2.2
2215	12	0500	12	1200	13	1845	2.1
2230	12	0515	12	1215	12	1900	2.0
2245	12	0530	12				

JUNE 14, 1981

0015	0.19	0345	1.9	0715	0.71	1045	0.51
0030	0.25	0400	1.5	0730	0.64	1100	0.46
0045	0.25	0415	1.2	0745	0.57	1115	0.41
0100	0.28	0430	0.94	0800	0.46	1130	0.41
0115	0.32	0445	0.78	0815	0.41	1145	0.36
0130	0.36	0500	0.71	0830	0.41	1200	0.36
0145	0.36	0515	0.57	0845	0.41	1215	0.36
0200	0.46	0530	0.51	0900	0.41	1230	0.36
0215	0.41	0545	0.51	0915	0.41	1245	0.36
0230	0.46	0600	0.78	0930	0.51	1300	0.36
0245	0.86	0615	1.0	0945	0.71	1315	0.36
0300	1.6	0630	1.1	1000	0.78	1330	0.36
0315	2.0	0645	1.0	1015	0.78	1345	0.36
0330	2.0	0700	0.86	1030	0.64	1400	0.36

SEPTEMBER 5, 1981

0900	12	1245	12	1615	12	1945	7.2
0915	12	1300	12	1630	11	2000	7.0
0930	12	1315	13	1645	11	2015	6.8
0945	12	1330	15	1700	10	2030	6.8
1000	12	1345	17	1715	9.7	2045	6.6
1015	12	1400	17	1730	9.4	2100	6.6
1030	12	1415	17	1745	9.0	2115	6.4
1045	12	1430	17	1800	8.8	2130	6.4
1100	12	1445	16	1815	8.3	2145	6.2
1115	12	1500	16	1830	8.1	2200	6.2
1130	12	1515	15	1845	7.9	2215	6.2
1145	12	1530	14	1900	7.7	2230	6.0

TABLE 5.--Continued

10167148 JORDAN AND SALT LAKE CITY CANAL AT MILL CREEK, NEAR
SALT LAKE CITY, UTAH (downstream station)--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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SEPTEMBER 5, 1981--CONTINUED

1200	12	1545	13	1915	7.4	2245	6.0
1215	12	1600	12	1930	7.2	2300	6.0
1230	12						

SEPTEMBER 6, 1981

0500	5.8	0830	6.2	1145	6.4	1500	5.8
0515	5.8	0845	6.2	1200	6.2	1515	5.8
0530	5.8	0900	6.2	1215	6.2	1530	5.8
0545	5.8	0915	6.2	1230	6.2	1545	5.8
0600	5.8	0930	6.2	1245	6.0	1600	5.6
0615	5.8	0945	6.4	1300	6.0	1615	5.6
0630	5.8	1000	6.6	1315	6.0	1630	5.4
0645	5.8	1015	6.8	1330	6.0	1645	5.4
0700	5.8	1030	6.8	1345	6.0	1700	5.4
0715	6.0	1045	6.8	1400	6.0	1715	5.2
0730	6.0	1100	6.8	1415	6.0	1730	5.2
0745	6.0	1115	6.6	1430	6.0	1745	5.0
0800	6.0	1130	6.4	1445	5.8	1800	5.0
0815	6.2						

TABLE 5.--Continued

10167149 JORDAN AND SALT LAKE CITY CANAL AT ZENITH AVENUE,
AT SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JULY 1-2, 1980

1300	10	1900	12	0045	8.8	0630	8.5
1315	10	1915	11	0100	8.8	0645	8.5
1330	10	1930	11	0115	8.8	0700	8.5
1345	10	1945	11	0130	8.8	0715	8.7
1400	10	2000	10	0145	8.7	0730	8.8
1415	10	2015	10	0200	8.7	0745	9.0
1430	11	2030	10	0215	8.7	0800	9.1
1445	11	2045	9.9	0230	8.7	0815	9.1
1500	11	2100	9.8	0245	8.7	0830	9.1
1515	11	2115	9.6	0300	8.7	0845	9.0
1530	11	2130	9.4	0315	8.7	0900	9.0
1545	12	2145	9.3	0330	8.7	0915	8.8
1600	12	2200	9.1	0345	8.7	0930	8.8
1615	14	2215	9.1	0400	8.7	0945	8.8
1630	15	2230	9.1	0415	8.7	1000	8.8
1645	14	2245	9.1	0430	8.7	1015	8.8
1700	14	2300	9.1	0445	8.5	1030	8.8
1715	14	2315	9.0	0500	8.5	1045	8.8
1730	14	2330	9.0	0515	8.5	1100	8.8
1745	13	2345	9.0	0530	8.5	1115	8.7
1800	13	2400	9.0	0545	8.5	1130	8.5
1815	12			0600	8.5	1145	8.4
1830	12	0015	8.8	0615	8.5	1200	8.2
1845	12	0030	8.8				

AUGUST 19, 1980

0700	19	1000	19	1245	19	1530	19
0715	19	1015	19	1300	19	1545	19
0730	19	1030	19	1315	19	1600	19
0745	19	1045	19	1330	19	1615	19
0800	19	1100	19	1345	19	1630	19
0815	19	1115	19	1400	19	1645	19
0830	19	1130	19	1415	19	1700	19
0845	19	1145	19	1430	19	1715	19
0900	19	1200	19	1445	19	1730	19
0915	19	1215	19	1500	19	1745	19
0930	19	1230	19	1515	19	1800	19
0945	19						

TABLE 5.--Continued

10167149 JORDAN AND SALT LAKE CITY CANAL AT ZENITH AVENUE,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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AUGUST 25, 1980

0800	19	1100	19	1345	19	1630	18
0815	19	1115	19	1400	18	1645	18
0830	19	1130	19	1415	18	1700	18
0845	19	1145	19	1430	18	1715	18
0900	19	1200	19	1445	18	1730	18
0915	19	1215	19	1500	18	1745	17
0930	19	1230	19	1515	18	1800	17
0945	19	1245	19	1530	18	1815	17
1000	19	1300	19	1545	18	1830	17
1015	19	1315	19	1600	18	1845	18
1030	19	1330	19	1615	18	1900	18
1045	19						

OCTOBER 15, 1980

0030	0.10	0630	2.2	1230	0.04	1830	0.04
0045	0.20	0645	2.0	1245	0.04	1845	0.04
0100	0.20	0700	1.8	1300	0.04	1900	0.04
0115	0.20	0715	1.6	1315	0.04	1915	0.04
0130	0.20	0730	1.4	1330	0.04	1930	0.04
0145	0.20	0745	1.2	1345	0.04	1945	0.04
0200	0.20	0800	1.0	1400	0.04	2000	0.04
0215	0.20	0815	0.90	1415	0.04	2015	0.04
0230	0.40	0830	0.80	1430	0.04	2030	0.04
0245	0.60	0845	0.70	1445	0.04	2045	0.04
0300	0.80	0900	0.60	1500	0.04	2100	0.04
0315	1.0	0915	0.50	1515	0.04	2115	0.04
0330	1.4	0930	0.40	1530	0.04	2130	0.04
0345	1.8	0945	0.30	1545	0.04	2145	0.04
0400	2.2	1000	0.04	1600	0.04	2200	0.04
0415	2.6	1015	0.04	1615	0.04	2215	0.04
0430	3.0	1030	0.04	1630	0.04	2230	0.04
0445	3.4	1045	0.04	1645	0.04	2245	0.04
0500	3.4	1100	0.04	1700	0.04	2300	0.04
0515	3.2	1115	0.04	1715	0.04	2315	0.04
0530	3.0	1130	0.04	1730	0.04	2330	0.04
0545	2.8	1145	0.04	1745	0.04	2345	0.04
0600	2.6	1200	0.04	1800	0.04	2400	0.04
0615	2.4	1215	0.04	1815	0.04		

TABLE 5.--Continued

10167149 JORDAN AND SALT LAKE CITY CANAL AT ZENITH AVENUE,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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OCTOBER 16, 1980

0015	0.04	0515	1.2	1015	2.6	1515	0.97
0030	0.04	0530	1.3	1030	2.6	1530	0.89
0045	0.04	0545	1.4	1045	2.6	1545	0.72
0100	0.04	0600	1.5	1100	2.6	1600	0.68
0115	0.04	0615	1.6	1115	2.4	1615	0.56
0130	0.04	0630	1.7	1130	2.3	1630	0.51
0145	0.04	0645	1.8	1145	2.6	1645	0.40
0200	0.04	0700	1.9	1200	2.8	1700	0.37
0215	0.05	0715	2.0	1215	2.8	1715	0.30
0230	0.10	0730	2.0	1230	2.5	1730	0.23
0245	0.20	0745	2.1	1245	2.3	1745	0.23
0300	0.30	0800	2.1	1300	2.0	1800	0.23
0315	0.40	0815	2.2	1315	1.8	1815	0.21
0330	0.50	0830	2.2	1330	1.8	1830	0.14
0345	0.60	0845	2.3	1345	1.7	1845	0.14
0400	0.70	0900	2.3	1400	1.4	1900	0.14
0415	0.80	0915	2.4	1415	1.3	1915	0.12
0430	0.90	0930	2.5	1430	1.1	1930	0.09
0445	1.0	0945	2.5	1445	1.0	1945	0.09
0500	1.1	1000	2.6	1500	1.0	2000	0.07

OCTOBER 26, 1980

1045	0.01	1430	1.5	1645	0.20	1900	0.04
1100	0.01	1445	1.4	1700	0.13	1915	0.04
1230	0.69	1500	1.2	1715	0.09	1930	0.04
1245	1.7	1515	0.92	1730	0.07	1945	0.04
1300	1.9	1530	0.75	1745	0.06	2000	0.04
1315	2.0	1545	0.62	1800	0.06	2015	0.02
1330	2.0	1600	0.58	1815	0.04	2030	0.02
1345	2.0	1615	0.42	1830	0.05	2045	0.02
1400	1.8	1630	0.37	1845	0.05	2100	0.02
1415	1.7						

MARCH 26-27, 1981

1545	0.02	1815	0.02			0745	0.05
1615	0.05	1830	0.07				

TABLE 5.--Continued

10167149 JORDAN AND SALT LAKE CITY CANAL AT ZENITH AVENUE,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MARCH 29-20, 1981							
2245	0.06	2345	0.17	0800	0.11	0845	0.06
2300	0.38	2400	0.07	0815	0.06	0900	0.06
2315	0.35			0830	0.06	0915	0.09
2330	0.14	0015	0.07				
MAY 2-3, 1981							
2200	8.0	0245	12	0745	12	1230	11
2215	7.2	0300	14	0800	12	1245	10
2230	8.0	0315	15	0815	14	1300	12
2245	7.4	0330	18	0830	13	1315	13
2300	7.5	0345	19	0845	13	1330	13
2315	7.2	0400	19	0900	13	1345	14
2330	7.9	0415	19	0915	12	1400	13
2345	7.7	0430	19	0930	12	1415	12
2400	7.5	0445	17	0945	12	1430	13
		0500	16	1000	12	1445	13
0015	8.1	0515	15	1015	12	1500	13
0030	12	0530	13	1030	11	1515	13
0045	14	0545	12	1045	11	1530	13
0100	13	0600	12	1100	12	1545	13
0115	14	0615	11	1115	11	1600	12
0130	12	0630	12	1130	12	1615	13
0145	8.8	0645	11	1145	11	1630	13
0200	10	0700	12	1200	10	1645	13
0215	11	0715	12	1215	10	1700	13
0230	10	0730	12				
MAY 8, 1981							
0500	15	0915	18	1315	8.2	1715	2.4
0515	15	0930	19	1330	7.1	1730	2.0
0530	15	0945	19	1345	6.1	1745	1.7
0545	15	1000	19	1400	5.3	1800	1.6
0600	14	1015	20	1415	5.0	1815	1.5
0615	14	1030	19	1430	4.7	1830	1.3
0630	15	1045	20	1445	4.3	1845	1.1
0645	16	1100	22	1500	3.2	1900	1.0
0700	14	1115	22	1515	2.8	1915	0.89

TABLE 5.--Continued

10167149 JORDAN AND SALT LAKE CITY CANAL AT ZENITH AVENUE,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 8, 1981--CONTINUED

0715	14	1130	20	1530	2.2	1930	0.81
0730	15	1145	19	1545	1.8	1945	0.70
0745	15	1200	18	1600	1.5	2000	0.72
0800	18	1215	15	1615	1.6	2015	0.60
0815	19	1230	14	1630	2.2	2030	0.45
0830	20	1245	11	1645	2.5	2045	0.39
0845	18	1300	10	1700	2.3	2100	0.32
0900	19						

MAY 10-11, 1981

2200	7.9	0100	18	0415	9.9	0715	11
2215	7.0	0115	17	0430	10	0730	10
2230	6.9	0130	15	0445	10	0745	10
2245	7.2	0145	14	0500	10	0800	11
2300	6.6	0200	13	0515	10	0815	9.5
2315	7.3	0215	11	0530	9.8	0830	10
2330	8.3	0230	11	0545	10	0845	10
2345	8.7	0245	10	0600	9.7	0900	10
2400	12	0300	9.6	0615	10	0915	9.6
		0315	9.6	0630	10	0930	10
0015	16	0330	9.8	0645	10	0945	10
0030	17	0345	8.9	0700	10	1000	10
0045	20	0400	9.5				

MAY 15-16, 1981

0500	13	1430	18	2400	12	0900	6.6
0515	13	1445	17			0915	6.9
0530	13	1500	18	0015	14	0930	7.6
0545	13	1515	19	0030	15	0945	8.2
0600	13	1530	21	0045	15	1000	9.6
0615	12	1545	22	0100	16	1015	11
0630	14	1600	21	0115	18	1030	11
0645	12	1615	20	0130	20	1045	11
0700	12	1630	20	0145	22	1100	11
0715	11	1645	18	0200	19	1115	11
0730	14	1700	17	0215	19	1130	11
0745	16	1715	15	0230	18	1145	11
0800	19	1730	14	0245	18	1200	11
0815	19	1745	12	0300	16	1215	11

TABLE 5.--Continued

10167149 JORDAN AND SALT LAKE CITY CANAL AT ZENITH AVENUE,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981--CONTINUED

0830	18	1800	11	0315	14	1230	9.3
0845	18	1815	12	0330	12	1245	9.1
0900	17	1830	11	0345	11	1300	8.4
0915	16	1845	11	0400	11	1315	7.9
0930	14	1900	12	0415	10	1330	7.7
0945	13	1915	11	0430	9.5	1345	7.1
1000	12	1930	11	0445	9.2	1400	6.4
1015	10	1945	10	0500	9.5	1415	6.3
1030	8.6	2000	10	0515	9.9	1430	6.8
1045	7.5	2015	10	0530	9.6	1445	6.4
1100	6.2	2030	10	0545	10	1500	6.4
1115	5.7	2045	9.9	0600	11	1515	6.0
1130	4.7	2100	9.6	0615	11	1530	5.2
1145	4.2	2115	9.7	0630	11	1545	5.8
1200	3.6	2130	8.8	0645	11	1600	6.4
1215	1.1	2145	8.5	0700	9.9	1615	5.8
1230	2.0	2200	6.7	0715	9.1	1630	5.8
1245	4.4	2215	6.9	0730	8.9	1645	5.9
1300	7.4	2230	9.3	0745	8.2	1700	5.8
1315	10	2245	11	0800	7.9	1715	6.1
1330	8.8	2300	12	0815	8.2	1730	5.9
1345	12	2315	13	0830	8.0	1745	5.6
1400	16	2330	15	0845	7.4	1800	5.1
1415	18	2345	14				

MAY 17, 1981

0015	4.6	0345	4.9	0715	5.3	1045	4.1
0030	4.6	0400	4.8	0730	5.4	1100	3.7
0045	4.2	0415	5.1	0745	5.2	1115	4.1
0100	4.6	0430	5.1	0800	5.0	1130	4.1
0115	4.8	0445	4.9	0815	5.0	1145	4.0
0130	4.4	0500	5.3	0830	4.8	1200	4.2
0145	4.0	0515	4.5	0845	4.6	1215	4.1
0200	4.2	0530	4.8	0900	4.4	1230	4.1
0215	4.3	0545	4.9	0915	4.5	1245	4.0
0230	4.0	0600	4.5	0930	4.7	1300	2.5
0245	4.8	0615	5.3	0945	4.3	1315	2.3
0300	4.7	0630	5.0	1000	4.4	1330	2.4
0315	4.8	0645	5.4	1015	4.5	1345	3.2
0330	4.7	0700	5.7	1030	4.4	1400	3.2

TABLE 5.--Continued

10167149 JORDAN AND SALT LAKE CITY CANAL AT ZENITH AVENUE,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 20, 1981							
0500	3.3	0845	5.4	1230	6.0	1615	3.6
0515	3.6	0900	5.0	1245	7.1	1630	2.6
0530	3.9	0915	5.0	1300	7.3	1645	2.0
0545	3.4	0930	5.2	1315	7.9	1700	1.7
0600	3.2	0945	6.2	1330	7.8	1715	1.1
0615	3.3	1000	6.2	1345	7.6	1730	0.87
0630	3.2	1015	6.9	1400	8.1	1745	0.91
0645	3.0	1030	6.3	1415	7.6	1800	0.58
0700	3.8	1045	6.6	1430	8.8	1815	0.49
0715	4.2	1100	6.0	1445	9.0	1830	0.58
0730	4.3	1115	5.1	1500	8.2	1845	0.33
0745	4.8	1130	5.8	1515	7.2	1900	0.17
0800	5.0	1145	4.8	1530	6.1	1915	0.16
0815	5.5	1200	4.9	1545	5.5	1930	0.13
0830	5.4	1215	5.4	1600	4.7		
MAY 21, 1981							
0600	1.0	0900	1.1	1630	0.42	1930	0.55
0615	1.2	0915	0.94	1645	0.44	1945	0.42
0630	1.1	0930	0.69	1700	0.42	2000	0.26
0645	2.4	0945	0.46	1715	0.42	2015	0.17
0700	3.6	1000	0.20	1730	0.31	2030	0.09
0715	4.2	1015	0.20	1745	0.35	2045	0.09
0730	4.0	1500	0.17	1800	0.31	2100	0.14
0745	4.6	1515	0.36	1815	0.13	2115	0.14
0800	4.0	1530	0.36	1830	0.08	2130	0.14
0815	3.4	1545	0.39	1845	0.06	2145	0.10
0830	2.7	1600	0.54	1900	0.11	2200	0.05
0845	2.1	1615	0.38	1915	0.39		
MAY 27, 1981							
0300	5.0	0615	5.6	0915	4.9	1215	5.2
0315	4.4	0630	5.3	0930	5.0	1230	4.9
0330	4.8	0645	5.1	0945	5.7	1245	4.6
0345	4.8	0700	4.7	1000	5.1	1300	4.5
0400	5.3	0715	5.3	1015	5.6	1315	4.2
0415	5.3	0730	4.9	1030	5.7	1330	4.1
0430	4.9	0745	5.0	1045	6.0	1345	4.1
0445	5.4	0800	4.9	1100	5.9	1400	3.6

TABLE 5.--Continued

10167149 JORDAN AND SALT LAKE CITY CANAL AT ZENITH AVENUE,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 27, 1981--CONTINUED							
0500	4.9	0815	5.0	1115	5.9	1415	3.9
0515	4.4	0830	5.1	1130	6.1	1430	4.0
0530	4.7	0845	5.1	1145	5.7	1445	4.3
0545	5.1	0900	5.0	1200	5.2	1500	3.7
0600	5.4						
JUNE 2-3, 1981							
1600	14	2300	14	0545	13	1230	19
1615	14	2315	14	0600	12	1245	18
1630	13	2330	14	0615	12	1300	16
1645	13	2345	13	0630	12	1315	14
1700	13	2400	14	0645	12	1330	13
1715	13			0700	12	1345	13
1730	13	0015	14	0715	12	1400	12
1745	12	0030	13	0730	12	1415	11
1800	12	0045	14	0745	12	1430	11
1815	13	0100	14	0800	11	1445	11
1830	14	0115	14	0815	12	1500	10
1845	15	0130	14	0830	12	1515	10
1900	15	0145	14	0845	11	1530	11
1915	14	0200	15	0900	11	1545	11
1930	14	0215	14	0915	12	1600	10
1945	13	0230	14	0930	11	1615	9.2
2000	12	0245	14	0945	11	1630	7.6
2015	10	0300	13	1000	10	1645	6.8
2030	12	0315	14	1015	8.8	1700	5.1
2045	15	0330	13	1030	7.1	1715	4.2
2100	18	0345	13	1045	5.5	1730	3.6
2115	18	0400	14	1100	11	1745	2.8
2130	19	0415	14	1115	16	1800	2.8
2145	18	0430	13	1130	19	1815	2.0
2200	17	0445	13	1145	21	1830	1.5
2215	15	0500	13	1200	20	1845	1.4
2230	15	0515	13	1215	20	1900	0.89
2245	14	0530	12				

TABLE 5.--Continued

10167149 JORDAN AND SALT LAKE CITY CANAL AT ZENITH AVENUE.
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JUNE 14, 1981							
0230	0.32	0430	0.60	0630	0.64	0900	0.48
0245	0.69	0445	0.74	0645	0.58	0915	0.61
0300	0.69	0500	0.91	0700	0.48	0930	0.61
0315	0.55	0515	0.91	0715	0.39	0945	0.54
0330	0.54	0530	0.80	0730	0.36	1000	0.38
0345	0.31	0545	0.80	0745	0.25	1015	0.25
0400	0.31	0600	0.80	0800	0.25	1030	0.11
0415	0.49	0615	0.70	0815	0.11		

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH, AT SANDY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MARCH 20, 1981							
0750	0.08	1015	0.09	1630	0.48	1855	0.19
0755	0.25	1020	0.08	1635	0.51	1900	0.19
0800	0.33	1025	0.07	1640	0.49	1905	0.19
0805	0.59	1030	0.06	1645	0.39	1910	0.17
0810	0.89	1035	0.04	1650	0.28	1915	0.15
0815	0.95	1040	0.03	1655	0.20	1920	0.13
0820	0.95	1045	0.03	1700	0.17	1925	0.10
0825	0.98	1050	0.03	1705	0.15	1930	0.08
0830	1.2	1055	0.02	1710	0.12	1935	0.07
0835	1.3	1100	0.02	1715	0.10	1940	0.06
0840	1.2	1105	0.01	1720	0.08	1945	0.05
0845	0.92	1110	0.01	1725	0.07	1950	0.03
0850	0.74	1320	0.01	1730	0.06	1955	0.03
0855	0.74	1510	0.98	1735	0.06	2000	0.03
0900	0.77	1515	1.6	1740	0.05	2005	0.02
0905	0.65	1520	1.3	1745	0.04	2010	0.02
0910	0.52	1525	3.8	1750	0.04	2015	0.02
0915	0.49	1530	3.4	1755	0.03	2020	0.02
0920	0.44	1535	2.3	1800	0.03	2025	0.02
0925	0.41	1540	1.3	1805	0.03	2030	0.01
0930	0.59	1545	0.65	1810	0.03	2035	0.01
0935	1.2	1550	0.41	1815	0.03	2040	0.01
0940	1.0	1555	0.28	1820	0.03	2045	0.01
0945	0.57	1600	0.20	1825	0.04	2050	0.01
0950	0.37	1605	0.16	1830	0.06	2055	0.01
0955	0.23	1610	0.15	1835	0.10	2100	0.01
1000	0.17	1615	0.15	1840	0.16	2105	0.01
1005	0.14	1620	0.23	1845	0.18	2110	0.01
1010	0.11	1625	0.37	1850	0.19		
MARCH 26, 1981							
1155	0.15	1435	0.35	1710	0.48	1945	0.03
1200	0.23	1440	0.39	1715	0.37	1950	0.03
1205	0.22	1445	0.44	1720	0.30	1955	0.03
1210	0.17	1450	0.48	1725	0.28	2000	0.04
1215	0.15	1455	0.48	1730	0.30	2005	0.06
1220	0.12	1500	0.51	1735	0.30	2010	0.08
1225	0.22	1505	0.54	1740	0.32	2015	0.09
1230	0.71	1510	0.59	1745	0.30	2020	0.10
1235	1.5	1515	0.65	1750	0.26	2025	0.11
1240	1.8	1520	0.65	1755	0.22	2030	0.12

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26, 1981--CONTINUED

1245	2.1	1525	0.65	1800	0.18	2035	0.12
1250	2.3	1530	0.54	1805	0.15	2040	0.12
1255	2.1	1535	0.49	1810	0.14	2045	0.12
1300	1.7	1540	0.46	1815	0.12	2050	0.12
1305	1.4	1545	0.46	1820	0.11	2055	0.11
1310	0.92	1550	0.48	1825	0.11	2100	0.11
1315	0.65	1555	0.48	1830	0.11	2105	0.10
1320	0.49	1600	0.49	1835	0.11	2110	0.09
1325	0.39	1605	0.49	1840	0.10	2115	0.08
1330	0.32	1610	0.51	1845	0.10	2120	0.08
1335	0.30	1615	0.62	1850	0.09	2125	0.08
1340	0.33	1620	0.86	1855	0.08	2130	0.07
1345	0.42	1625	0.95	1900	0.08	2135	0.07
1350	0.51	1630	0.89	1905	0.07	2140	0.06
1355	0.62	1635	0.83	1910	0.06	2145	0.05
1400	0.74	1640	0.86	1915	0.06	2150	0.05
1405	0.74	1645	0.83	1920	0.05	2155	0.05
1410	0.59	1650	0.77	1925	0.04	2200	0.04
1415	0.48	1655	0.74	1930	0.04	2205	0.04
1420	0.41	1700	0.65	1935	0.04	2210	0.04
1425	0.35	1705	0.57	1940	0.04	2215	0.03
1430	0.33						

MARCH 28, 1981

0055	0.03	0315	0.19	0535	0.05	0755	0.32
0100	0.11	0320	0.16	0540	0.04	0800	0.28
0105	0.18	0325	0.14	0545	0.03	0805	0.25
0110	0.19	0330	0.11	0550	0.03	0810	0.23
0115	0.17	0335	0.09	0555	0.03	0815	0.20
0120	0.15	0340	0.08	0600	0.02	0820	0.18
0125	0.13	0345	0.08	0605	0.02	0825	0.16
0130	0.10	0350	0.08	0610	0.02	0830	0.15
0135	0.09	0355	0.07	0615	0.02	0835	0.13
0140	0.08	0400	0.06	0620	0.02	0840	0.10
0145	0.09	0405	0.05	0625	0.02	0845	0.09
0150	0.10	0410	0.05	0630	0.02	0850	0.08
0155	0.13	0415	0.04	0635	0.02	0855	0.08
0200	0.18	0420	0.03	0640	0.02	0900	0.07
0205	0.25	0425	0.09	0645	0.02	0905	0.05
0210	0.30	0430	0.17	0650	0.02	0910	0.04

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 28, 1981--CONTINUED

0215	0.32	0435	0.25	0655	0.02	0915	0.03
0220	0.32	0440	0.23	0700	0.02	0920	0.03
0225	0.32	0445	0.19	0705	0.03	0925	0.03
0230	0.35	0450	0.16	0710	0.04	0930	0.02
0235	0.41	0455	0.14	0715	0.07	0935	0.02
0240	0.48	0500	0.11	0720	0.09	0940	0.02
0245	0.54	0505	0.09	0725	0.10	0945	0.02
0250	0.59	0510	0.08	0730	0.13	0950	0.02
0255	0.49	0515	0.07	0735	0.17	0955	0.01
0300	0.41	0520	0.07	0740	0.22	1000	0.01
0305	0.30	0525	0.06	0745	0.28	1005	0.01
0310	0.23	0530	0.05	0750	0.32		

MARCH 29, 1981

1845	2.5	2000	0.03	2115	1.3	2225	1.4
1850	8.3	2005	0.02	2120	1.4	2230	1.5
1855	5.3	2010	0.02	2125	1.4	2235	1.3
1900	3.2	2015	0.02	2130	1.5	2240	1.2
1905	1.5	2020	0.01	2135	1.8	2245	1.1
1910	0.74	2025	0.01	2140	2.4	2250	0.98
1915	0.41	2030	0.03	2145	2.7	2255	0.86
1920	0.25	2035	0.74	2150	2.5	2300	0.77
1925	0.17	2040	1.8	2155	2.0	2305	0.54
1930	0.13	2045	1.6	2200	1.7	2310	0.26
1935	0.10	2050	1.4	2205	1.7	2315	0.12
1940	0.08	2055	1.3	2210	1.6	2320	0.07
1945	0.06	2100	1.3	2215	1.4	2325	0.04
1950	0.05	2105	1.3	2220	1.1	2330	0.03
1955	0.03	2110	1.3				

APRIL 2-3, 1981

1710	0.37	2010	0.49	2310	1.1	0200	0.13
1715	0.62	2015	0.54	2315	0.92	0205	0.12
1720	0.89	2020	0.59	2320	0.77	0210	0.11
1725	0.77	2025	0.65	2325	0.68	0215	0.10
1730	0.65	2030	0.62	2330	0.71	0220	0.08
1735	0.54	2035	0.54	2335	0.95	0225	0.08
1740	0.52	2040	0.49	2340	1.4	0230	0.07
1745	0.51	2045	0.48	2345	1.3	0235	0.06

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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APRIL 2-3, 1981--CONTINUED

1750	0.46	2050	0.51	2350	0.95	0240	0.06
1755	0.41	2055	0.59	2355	0.74	0245	0.05
1800	0.39	2100	0.77	2400	0.62	0250	0.05
1805	0.37	2105	1.2			0255	0.03
1810	0.37	2110	1.4	0005	0.57	0300	0.03
1815	0.35	2115	1.4	0010	0.54	0305	0.03
1820	0.33	2120	1.2	0015	0.52	0310	0.03
1825	0.26	2125	1.0	0020	0.46	0315	0.03
1830	0.22	2130	1.1	0025	0.42	0320	0.03
1835	0.18	2135	1.1	0030	0.41	0325	0.03
1840	0.15	2140	1.2	0035	0.39	0330	0.02
1845	0.13	2145	1.3	0040	0.37	0335	0.02
1850	0.13	2150	1.4	0045	0.30	0340	0.02
1855	0.18	2155	1.4	0050	0.23	0345	0.02
1900	0.35	2200	1.4	0055	0.18	0350	0.02
1905	0.51	2205	1.2	0100	0.15	0355	0.01
1910	0.62	2210	0.95	0105	0.13	0400	0.01
1915	0.62	2215	0.80	0110	0.10	0405	0.01
1920	0.77	2220	0.74	0115	0.09	0410	0.01
1925	1.3	2225	0.68	0120	0.08	0415	0.01
1930	1.5	2230	0.71	0125	0.08	0420	0.01
1935	1.7	2235	0.80	0130	0.09	0425	0.01
1940	1.3	2240	0.86	0135	0.10	0430	0.01
1945	1.0	2245	0.95	0140	0.13	0435	0.01
1950	0.95	2250	1.1	0145	0.15	0440	0.01
1955	0.89	2255	1.2	0150	0.15	0445	0.01
2000	0.71	2300	1.2	0155	0.14	0450	0.01
2005	0.54	2305	1.2				

APRIL 10, 1981

2105	0.07	2135	0.12	2205	0.02	2235	0.02
2110	0.23	2140	0.09	2210	0.02	2240	0.02
2115	0.32	2145	0.07	2215	0.02	2245	0.02
2120	0.30	2150	0.05	2220	0.02	2250	0.02
2125	0.20	2155	0.04	2225	0.02	2255	0.01
2130	0.15	2200	0.03	2230	0.02	2300	0.01

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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APRIL 19, 1981

0730	0.28	0905	0.09	1055	1.3	1230	0.74
0735	0.37	0910	0.07	1100	1.1	1235	0.46
0740	0.25	0915	0.05	1105	0.86	1240	0.30
0745	0.16	0920	0.03	1110	0.77	1245	0.19
0750	0.11	0925	0.03	1115	0.89	1250	0.16
0755	0.08	0930	0.02	1120	0.68	1255	0.15
0800	0.05	0935	0.02	1125	0.48	1300	0.11
0805	0.03	0940	0.02	1130	0.39	1305	0.08
0810	0.02	0945	0.01	1135	0.32	1310	0.07
0815	0.02	1005	0.01	1140	0.25	1315	0.05
0820	0.02	1010	0.01	1145	0.19	1320	0.04
0825	0.02	1015	0.01	1150	0.16	1325	0.03
0830	0.02	1020	0.01	1155	0.15	1330	0.02
0835	0.01	1025	0.07	1200	0.22	1335	0.02
0840	0.01	1030	0.54	1205	0.57	1340	0.02
0845	0.01	1035	0.77	1210	1.1	1345	0.02
0850	0.04	1040	0.77	1215	1.2	1350	0.02
0855	0.11	1045	0.68	1220	1.1	1355	0.02
0900	0.11	1050	0.92	1225	1.0	1400	0.02

MAY 2, 1981

1230	0.01	1415	0.51	1600	0.03	1740	0.89
1235	0.01	1420	0.37	1605	0.08	1745	0.51
1240	0.01	1425	0.20	1610	1.3	1750	0.32
1245	0.01	1430	0.15	1615	2.0	1755	0.19
1250	0.01	1435	0.10	1620	1.7	1800	0.15
1255	0.03	1440	0.08	1625	1.3	1805	0.11
1300	0.04	1445	0.06	1630	0.80	1810	0.08
1305	0.04	1450	0.05	1635	0.51	1815	0.06
1310	0.04	1455	0.33	1640	0.37	1820	0.04
1315	0.03	1500	0.59	1645	0.26	1825	0.03
1320	0.02	1505	0.51	1650	0.19	1830	0.03
1325	0.02	1510	0.44	1655	0.15	1835	0.03
1330	0.02	1515	0.25	1700	0.12	1840	0.02
1335	0.02	1520	0.20	1705	0.09	1845	0.02
1340	0.02	1525	0.15	1710	0.07	1850	0.02
1345	0.02	1530	0.12	1715	0.05	1855	0.02
1350	0.02	1535	0.09	1720	0.03	1900	0.02
1355	0.02	1540	0.07	1725	0.03	1905	0.01
1400	0.02	1545	0.06	1730	0.08	1910	0.01

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 2, 1981--CONTINUED

1405	0.07	1550	0.04	1735	0.86	1915	0.01
1410	0.49	1555	0.03				

MAY 3, 1981

0125	0.42	0450	0.17	0815	0.03	1140	0.02
0130	2.3	0455	0.15	0820	0.03	1145	0.02
0135	2.7	0500	0.14	0825	0.03	1150	0.02
0140	2.1	0505	0.14	0830	0.03	1155	0.02
0145	1.5	0510	0.15	0835	0.03	1200	0.02
0150	1.3	0515	0.19	0840	0.03	1205	0.02
0155	1.2	0520	0.20	0845	0.03	1210	0.02
0200	1.2	0525	0.20	0850	0.03	1215	0.02
0205	1.4	0530	0.19	0855	0.03	1220	0.02
0210	1.9	0535	0.16	0900	0.03	1225	0.02
0215	2.7	0540	0.15	0905	0.02	1230	0.02
0220	2.6	0545	0.15	0910	0.02	1235	0.01
0225	2.5	0550	0.14	0915	0.02	1240	0.01
0230	2.5	0555	0.26	0920	0.02	1245	0.05
0235	2.3	0600	0.74	0925	0.03	1250	0.62
0240	2.1	0605	1.4	0930	0.03	1255	1.1
0245	2.4	0610	1.4	0935	0.03	1300	1.6
0250	3.2	0615	1.1	0940	0.03	1305	1.6
0255	3.2	0620	0.65	0945	0.02	1310	1.2
0300	3.3	0625	0.41	0950	0.02	1315	0.71
0305	3.8	0630	0.28	0955	0.02	1320	0.44
0310	3.1	0635	0.20	1000	0.02	1325	0.26
0315	2.0	0640	0.17	1005	0.02	1330	0.18
0320	2.2	0645	0.15	1010	0.02	1335	0.15
0325	2.2	0650	0.13	1015	0.03	1340	0.12
0330	2.2	0655	0.12	1020	0.04	1345	0.08
0335	3.2	0700	0.10	1025	0.05	1350	0.08
0340	2.1	0705	0.08	1030	0.05	1355	0.07
0345	1.4	0710	0.08	1035	0.05	1400	0.06
0350	0.92	0715	0.06	1040	0.05	1405	0.04
0355	0.68	0720	0.05	1045	0.05	1410	0.04
0400	0.52	0725	0.04	1050	0.04	1415	0.03
0405	0.42	0730	0.03	1055	0.04	1420	0.03
0410	0.30	0735	0.03	1100	0.03	1425	0.02
0415	0.22	0740	0.03	1105	0.03	1430	0.02
0420	0.18	0745	0.03	1110	0.03	1435	0.02

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AND 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 3, 1981--CONTINUED							
0425	0.20	0750	0.03	1115	0.03	1440	0.02
0430	0.22	0755	0.03	1120	0.02	1445	0.01
0435	0.20	0800	0.03	1125	0.02	1450	0.01
0440	0.19	0805	0.03	1130	0.02	1455	0.01
0445	0.18	0810	0.03	1135	0.02	1500	0.01
MAY 10-11, 1981							
2245	0.02	2330	2.3	0010	1.6	0055	0.06
2250	0.23	2335	3.9	0015	1.4	0100	0.04
2255	0.77	2340	7.3	0020	0.86	0105	0.03
2300	1.4	2345	5.7	0025	0.48	0110	0.02
2305	1.7	2350	5.0	0030	0.32	0115	0.02
2310	1.7	2355	3.9	0035	0.20	0120	0.01
2315	1.4	2400	2.5	0040	0.15	0125	0.01
2320	1.9			0045	0.11	0130	0.01
2325	2.2	0005	1.7	0050	0.08	0135	0.01
MAY 15, 1981							
0635	3.9	0955	0.02	1315	3.1	1635	0.05
0640	10	1000	0.02	1320	2.4	1640	0.04
0645	11	1005	0.02	1325	1.9	1645	0.03
0650	8.2	1010	0.02	1330	1.4	1650	0.03
0655	6.1	1015	0.01	1335	1.2	1655	0.03
0700	4.7	1020	0.01	1340	1.3	1700	0.03
0705	2.7	1025	0.01	1345	1.3	1705	0.02
0710	1.2	1030	0.01	1350	1.1	1710	0.02
0715	0.57	1035	0.01	1355	0.98	1715	0.02
0720	0.37	1040	0.01	1400	0.89	1720	0.02
0725	0.22	1045	0.01	1405	0.95	1725	0.02
0730	0.16	1050	0.01	1410	1.1	1730	0.02
0735	0.14	1055	0.01	1415	1.1	1735	0.02
0740	0.12	1100	0.01	1420	1.2	1740	0.02
0745	0.09	1105	0.11	1425	1.3	1745	0.02
0750	0.08	1110	0.62	1430	1.5	1750	0.02
0755	0.08	1115	1.0	1435	1.6	1755	0.01
0800	0.06	1120	1.1	1440	1.8	1800	0.01
0805	0.06	1125	0.98	1445	1.8	1805	0.01
0810	0.06	1130	0.83	1450	1.8	1810	0.01
0815	0.05	1135	0.65	1455	1.8	1815	0.01

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15, 1981--Continued

0820	0.04	1140	0.44	1500	2.0	1820	0.01
0825	0.03	1145	0.30	1505	2.7	1825	0.01
0830	0.03	1150	0.23	1510	3.8	2240	0.57
0835	0.03	1155	0.17	1515	3.5	2245	1.0
0840	0.03	1200	0.15	1520	2.5	2250	1.3
0845	0.03	1205	0.12	1525	1.7	2255	1.4
0850	0.03	1210	0.09	1530	1.2	2300	1.5
0855	0.03	1215	0.08	1535	0.80	2305	1.7
0900	0.02	1220	0.06	1540	0.44	2310	1.6
0905	0.02	1225	0.05	1545	0.25	2315	1.7
0910	0.02	1230	0.05	1550	0.17	2320	1.5
0915	0.02	1235	0.59	1555	0.14	2325	1.5
0920	0.02	1240	1.3	1600	0.11	2330	1.3
0925	0.02	1245	1.1	1605	0.08	2335	1.1
0930	0.02	1250	0.92	1610	0.08	2340	1.0
0935	0.02	1255	0.98	1615	0.07	2345	1.3
0940	0.02	1300	1.6	1620	0.06	2350	1.6
0945	0.02	1305	2.8	1625	0.06	2355	2.0
0950	0.02	1310	3.3	1630	0.05	2400	2.0

MAY 16, 1981

0005	1.7	0310	0.10	0615	0.44	0920	0.12
0010	1.7	0315	0.11	0620	0.37	0925	0.10
0015	1.7	0320	0.14	0625	0.32	0930	0.08
0020	1.7	0325	0.18	0630	0.25	0935	0.07
0025	1.6	0330	0.22	0635	0.20	0940	0.08
0030	1.7	0335	0.22	0640	0.16	0945	0.32
0035	2.1	0340	0.20	0645	0.14	0950	0.92
0040	1.8	0345	0.18	0650	0.13	0955	1.4
0045	1.4	0350	0.19	0655	0.12	1000	1.5
0050	1.2	0355	0.33	0700	0.12	1005	1.6
0055	1.2	0400	0.46	0705	0.11	1010	1.6
0100	1.2	0405	0.54	0710	0.12	1015	1.4
0105	1.7	0410	0.68	0715	0.18	1020	1.1
0110	2.0	0415	0.71	0720	0.25	1025	0.92
0115	1.8	0420	0.74	0725	0.28	1030	1.1
0120	1.7	0425	0.74	0730	0.26	1035	1.5
0125	1.7	0430	0.68	0735	0.26	1040	1.5
0130	1.6	0435	0.68	0740	0.30	1045	1.1
0135	1.6	0440	0.89	0745	0.32	1050	0.68

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 16, 1981--CONTINUED

0140	1.5	0445	1.0	0750	0.46	1055	0.48
0145	1.3	0450	0.89	0755	1.1	1100	0.33
0150	1.2	0455	0.65	0800	1.1	1105	0.25
0155	1.0	0500	0.52	0805	0.86	1110	0.18
0200	0.74	0505	0.49	0810	0.77	1115	0.15
0205	0.52	0510	0.49	0815	0.65	1120	0.13
0210	0.41	0515	0.57	0820	0.59	1125	0.11
0215	0.32	0520	0.74	0825	0.74	1130	0.10
0220	0.30	0525	0.68	0830	0.71	1135	0.09
0225	0.25	0530	0.52	0835	0.52	1140	0.08
0230	0.22	0535	0.46	0840	0.39	1145	0.07
0235	0.18	0540	0.49	0845	0.28	1150	0.04
0240	0.16	0545	0.68	0850	0.22	1155	0.03
0245	0.15	0550	0.74	0855	0.18	1200	0.02
0250	0.13	0555	0.68	0900	0.15	1205	0.02
0255	0.12	0600	0.65	0905	0.15	1210	0.01
0300	0.11	0605	0.62	0910	0.14	1215	0.01
0305	0.11	0610	0.52	0915	0.13		

MAY 20, 1981

0625	0.42	0930	0.15	1320	1.3	2025	0.14
0630	0.71	0935	0.12	1325	1.3	2030	0.18
0635	0.49	0940	0.09	1330	1.2	2035	0.28
0640	0.33	0945	0.07	1335	1.2	2040	0.26
0645	0.23	0950	0.06	1340	0.89	2045	0.20
0650	0.17	0955	0.04	1345	0.54	2050	0.15
0655	0.14	1000	0.03	1350	0.37	2055	0.12
0700	0.09	1005	0.03	1355	0.25	2100	0.09
0705	0.09	1010	0.02	1400	0.16	2105	0.07
0710	0.11	1015	0.02	1405	0.13	2110	0.05
0715	0.14	1020	0.01	1410	0.10	2115	0.04
0720	0.13	1125	0.03	1415	0.08	2120	0.19
0725	0.11	1130	0.28	1420	0.07	2125	0.71
0730	0.08	1135	0.46	1425	0.05	2130	1.8
0735	0.07	1140	0.62	1430	0.03	2135	1.1
0740	0.05	1145	0.83	1435	0.03	2140	0.54
0745	0.03	1150	0.98	1440	0.03	2145	0.35
0750	0.03	1155	1.1	1445	0.02	2150	0.23
0755	0.02	1200	1.1	1450	0.02	2155	0.17
0800	0.01	1205	0.98	1455	0.02	2200	0.15

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 20, 1981--CONTINUED

0805	0.01	1210	0.77	1500	0.02	2205	0.12
0825	0.51	1215	0.54	1505	0.01	2210	0.08
0830	0.98	1220	0.42	1510	0.01	2215	0.08
0835	0.89	1225	0.33	1515	0.01	2220	0.06
0840	0.95	1230	0.28	1935	0.08	2225	0.05
0845	1.0	1235	0.25	1940	0.18	2230	0.03
0850	0.92	1240	0.19	1945	0.17	2235	0.02
0855	0.92	1245	0.16	1950	0.15	2240	0.02
0900	0.95	1250	0.14	1955	0.14	2245	0.02
0905	0.80	1255	0.15	2000	0.12	2250	0.01
0910	0.59	1300	0.17	2005	0.11	2255	0.01
0915	0.44	1305	0.23	2010	0.11	2300	0.01
0920	0.32	1310	0.33	2015	0.10	2305	0.01
0925	0.20	1315	0.68	2020	0.11	2310	0.01

MAY 21, 1981

0145	0.08	0335	0.04	0525	5.3	0715	0.26
0150	0.19	0340	0.03	0530	4.5	0720	0.25
0155	0.30	0345	0.03	0535	3.9	0725	0.23
0200	0.32	0350	0.03	0540	3.2	0730	0.20
0205	0.33	0355	0.03	0545	2.0	0735	0.17
0210	0.37	0400	0.06	0550	1.5	0740	0.15
0215	0.37	0405	0.08	0555	1.7	0745	0.13
0220	0.32	0410	0.08	0600	1.7	0750	0.10
0225	0.32	0415	0.09	0605	1.4	0755	0.08
0230	0.35	0420	0.10	0610	1.4	0800	0.07
0235	0.32	0425	0.10	0615	1.5	0805	0.05
0240	0.25	0430	0.10	0620	1.5	0810	0.04
0245	0.19	0435	0.10	0625	1.3	0815	0.03
0250	0.15	0440	0.10	0630	1.1	0820	0.03
0255	0.13	0445	0.09	0635	0.92	0825	0.02
0300	0.10	0450	0.10	0640	0.95	0830	0.02
0305	0.08	0455	0.19	0645	0.92	0835	0.02
0310	0.08	0500	0.46	0650	0.74	0840	0.01
0315	0.06	0505	0.95	0655	0.57	0845	0.01
0320	0.05	0510	1.3	0700	0.46	0850	0.01
0325	0.05	0515	2.3	0705	0.37	0855	0.01
0330	0.04	0520	4.5	0710	0.32		

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JUNE 2, 1981							
1835	0.08	1935	0.02	2035	0.35	2130	0.02
1840	0.98	1940	0.20	2040	0.35	2135	0.02
1845	0.80	1945	3.0	2045	0.28	2140	0.02
1850	0.44	1950	4.3	2050	0.20	2145	0.02
1855	0.25	1955	4.1	2055	0.15	2150	0.02
1900	0.15	2000	3.8	2100	0.10	2155	0.02
1905	0.15	2005	3.7	2105	0.08	2200	0.02
1910	0.08	2010	2.9	2110	0.06	2205	0.01
1915	0.06	2015	1.7	2115	0.04	2210	0.01
1920	0.05	2020	0.95	2120	0.03	2215	0.01
1925	0.03	2025	0.52	2125	0.03	2220	0.01
1930	0.03	2030	0.39				
JUNE 12-13, 1981							
2240	0.15	2335	0.30	0025	0.05	0120	0.10
2245	1.1	2340	0.25	0030	0.03	0125	0.08
2250	1.7	2345	0.25	0035	0.03	0130	0.07
2255	1.5	2350	0.22	0040	0.02	0135	0.05
2300	1.3	2355	0.17	0045	0.02	0140	0.04
2305	0.95	2400	0.14	0050	0.02	0145	0.03
2310	0.77			0055	0.01	0150	0.02
2315	0.65	0005	0.14	0100	0.01	0155	0.02
2320	0.51	0010	0.10	0105	0.05	0200	0.01
2325	0.44	0015	0.08	0110	0.11	0205	0.01
2330	0.39	0020	0.06	0115	0.11		
JUNE 14, 1981							
0255	0.15	0350	0.03	0855	0.10	0945	0.03
0300	1.7	0355	0.03	0900	0.33	0950	0.02
0305	2.0	0400	0.02	0905	0.32	0955	0.02
0310	1.1	0405	0.02	0910	0.26	1000	0.02
0315	0.51	0410	0.01	0915	0.18	1005	0.01
0320	0.26	0415	0.01	0920	0.13	1010	0.01
0325	0.17	0420	0.01	0925	0.09	1015	0.02
0330	0.12	0425	0.01	0930	0.07	1020	0.02
0335	0.08	0430	0.01	0935	0.05	1025	0.01
0340	0.06	0650	0.01	0940	0.03	1030	0.01
0345	0.04						

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JULY 2, 1981							
0825	0.28	0850	0.71	0910	0.10	0930	0.03
0830	0.26	0855	0.39	0915	0.08	0935	0.02
0835	1.3	0900	0.22	0920	0.05	0940	0.01
0840	2.8	0905	0.15	0925	0.03	0945	0.01
0845	1.5						
JULY 10, 1981							
1705	0.71	1720	1.4	1735	0.15	1750	0.03
1710	7.2	1725	0.49	1740	0.08	1755	0.01
1715	3.7	1730	0.25	1745	0.05		
JULY 26, 1981							
1245	0.23	1310	0.46	1330	0.25	1350	0.04
1250	3.8	1315	0.33	1335	0.15	1355	0.03
1255	4.1	1320	0.39	1340	0.10	1400	0.02
1300	2.1	1325	0.37	1345	0.08	1405	0.01
1305	0.98						
AUGUST 19, 1981							
1505	0.89	1530	0.62	1550	0.10	1610	0.02
1510	1.4	1535	0.41	1555	0.07	1615	0.02
1515	1.7	1540	0.23	1600	0.04	1620	0.01
1520	2.2	1545	0.15	1605	0.03	1625	0.01
1525	1.3						
AUGUST 21, 1981							
0105	2.3	0200	0.05	0255	0.03	0350	0.02
0110	5.5	0205	0.04	0300	0.03	0355	0.02
0115	1.9	0210	0.04	0305	0.03	0400	0.02
0120	0.92	0215	0.03	0310	0.02	0405	0.02
0125	0.46	0220	0.03	0315	0.02	0410	0.02
0130	0.25	0225	0.03	0320	0.02	0415	0.02
0135	0.15	0230	0.04	0325	0.02	0420	0.01
0140	0.11	0235	0.04	0330	0.02	0425	0.01
0145	0.08	0240	0.04	0335	0.03	0430	0.02
0150	0.07	0245	0.04	0340	0.03	0435	0.01
0155	0.06	0250	0.03	0345	0.03	0440	0.01

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME							
TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
SEPTEMBER 5, 1981							
0340	0.17	0755	0.02	1245	0.02	1600	0.05
0345	0.30	0800	0.02	1250	0.01	1605	0.04
0350	0.26	0805	0.03	1310	2.6	1610	0.04
0355	0.18	0810	0.03	1315	12	1615	0.04
0400	0.15	0815	0.02	1320	14	1620	0.04
0405	0.14	0830	0.01	1325	10	1625	0.04
0410	0.14	0835	0.02	1330	9.6	1630	0.04
0415	0.18	0840	0.02	1335	11	1635	0.03
0420	0.25	0845	0.03	1340	12	1640	0.03
0425	0.20	0850	0.03	1345	7.4	1645	0.03
0430	0.15	0855	0.03	1350	3.7	1650	0.03
0435	0.12	0900	0.03	1355	1.9	1655	0.03
0440	0.09	0905	0.02	1400	1.1	1700	0.03
0445	0.07	0910	0.01	1405	0.52	1705	0.03
0450	0.05	0955	0.03	1410	0.35	1710	0.03
0455	0.03	1000	0.03	1415	0.26	1715	0.02
0500	0.02	1005	0.03	1420	0.19	1720	0.02
0505	0.02	1010	0.03	1425	0.15	1725	0.02
0510	0.01	1015	0.03	1430	0.13	1730	0.02
0550	0.01	1020	0.03	1435	0.12	1735	0.02
0555	0.02	1025	0.03	1440	0.10	1740	0.01
0600	0.03	1130	0.05	1445	0.09	1745	0.01
0605	0.02	1135	0.18	1450	0.09	1750	0.02
0610	0.01	1140	0.25	1455	0.09	1755	0.04
0615	0.01	1145	0.51	1500	0.08	1800	0.04
0620	0.01	1150	0.83	1505	0.08	1805	0.04
0625	0.02	1155	0.59	1510	0.08	1810	0.03
0630	0.05	1200	0.39	1515	0.07	1815	0.03
0635	0.03	1205	0.23	1520	0.07	1820	0.03
0640	0.03	1210	0.15	1525	0.06	1825	0.03
0645	0.02	1215	0.11	1530	0.06	1830	0.02
0650	0.03	1220	0.08	1535	0.06	1835	0.02
0655	0.03	1225	0.07	1540	0.05	1840	0.02
0700	0.03	1230	0.04	1545	0.05	1845	0.02
0705	0.02	1235	0.03	1550	0.05	1850	0.01
0710	0.01	1240	0.02	1555	0.05	1855	0.01
0715	0.02						

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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SEPTEMBER 6, 1981

0425	0.01	0715	0.30	0950	0.48	1220	0.04
0430	0.01	0720	0.39	0955	0.42	1225	0.04
0435	0.01	0725	0.46	1000	0.35	1230	0.04
0440	0.01	0730	0.44	1005	0.26	1235	0.04
0445	0.02	0735	0.39	1010	0.20	1240	0.04
0450	0.03	0740	0.32	1015	0.18	1245	0.04
0455	0.03	0745	0.25	1020	0.17	1250	0.04
0500	0.03	0750	0.19	1025	0.16	1255	0.04
0505	0.04	0755	0.17	1030	0.16	1300	0.04
0510	0.03	0800	0.15	1035	0.15	1305	0.04
0515	0.02	0805	0.14	1040	0.14	1310	0.03
0520	0.02	0810	0.13	1045	0.13	1315	0.03
0525	0.02	0815	0.12	1050	0.12	1320	0.03
0530	0.02	0820	0.11	1055	0.10	1325	0.03
0535	0.01	0825	0.10	1100	0.09	1330	0.03
0540	0.01	0830	0.09	1105	0.09	1335	0.03
0545	0.01	0835	0.09	1110	0.08	1340	0.02
0550	0.01	0840	0.08	1115	0.08	1345	0.02
0555	0.01	0845	0.08	1120	0.07	1350	0.02
0615	0.01	0850	0.08	1125	0.07	1355	0.02
0620	0.11	0855	0.08	1130	0.07	1400	0.02
0625	0.16	0900	0.08	1135	0.06	1405	0.02
0630	0.25	0905	0.08	1140	0.06	1410	0.02
0635	0.35	0910	0.10	1145	0.06	1415	0.02
0640	0.35	0915	0.13	1150	0.05	1420	0.02
0645	0.30	0920	0.14	1155	0.05	1425	0.01
0650	0.26	0925	0.14	1200	0.05	1430	0.01
0655	0.26	0930	0.15	1205	0.05	1435	0.01
0700	0.25	0935	0.16	1210	0.05	1440	0.01
0705	0.23	0940	0.32	1215	0.05	1445	0.01
0710	0.25	0945	0.48				

SEPTEMBER 24, 1981

1350	2.1	1410	0.46	1430	0.08	1445	0.02
1355	2.5	1415	0.23	1435	0.06	1450	0.02
1400	1.3	1420	0.15	1440	0.03	1455	0.01
1405	0.80	1425	0.12				

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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OCTOBER 3, 1981

0755	0.01	1020	0.37	1230	0.13	1500	0.12
0800	0.02	1025	0.49	1235	0.32	1505	0.12
0805	0.02	1030	0.57	1240	0.48	1510	0.11
0810	0.02	1035	0.52	1245	0.71	1515	0.09
0815	0.01	1040	0.44	1250	0.89	1520	0.08
0830	0.02	1045	0.59	1255	0.92	1525	0.06
0835	0.03	1050	1.1	1300	0.74	1530	0.04
0840	0.04	1055	1.2	1305	0.51	1535	0.03
0845	0.07	1100	1.4	1310	0.35	1540	0.02
0850	0.10	1105	1.6	1315	0.30	1545	0.02
0855	0.11	1110	1.2	1320	0.26	1550	0.01
0900	0.11	1115	0.71	1325	0.22	1555	0.01
0905	0.13	1120	0.37	1330	0.16	1910	0.01
0910	0.20	1125	0.22	1335	0.14	2300	3.7
0915	0.35	1130	0.15	1340	0.10	2305	5.3
0920	0.77	1135	0.12	1345	0.08	2310	4.5
0925	0.98	1140	0.08	1350	0.09	2315	3.7
0930	0.89	1145	0.07	1355	0.04	2320	3.5
0935	0.65	1150	0.05	1400	0.04	2325	3.0
0940	0.59	1155	0.03	1405	0.03	2330	2.3
0945	0.77	1200	0.03	1410	0.02	2335	1.4
0950	0.65	1205	0.02	1415	0.02	2340	0.89
0955	0.44	1210	0.02	1420	0.01	2345	0.49
1000	0.30	1215	0.02	1425	0.01	2350	0.28
1005	0.23	1220	0.03	1450	0.02	2355	0.19
1010	0.23	1225	0.04	1455	0.06	2400	0.15
1015	0.30						

OCTOBER 4, 1981

0005	0.12	0310	0.89	0615	0.04	0925	0.01
0010	0.10	0315	0.59	0620	0.03	0930	0.01
0015	0.10	0320	0.42	0625	0.03	0935	0.01
0020	0.19	0325	0.33	0630	0.03	1635	0.06
0025	0.52	0330	0.23	0635	0.03	1640	0.13
0030	0.51	0335	0.17	0640	0.03	1645	0.14
0035	0.37	0340	0.15	0645	0.03	1650	0.15
0040	0.25	0345	0.13	0655	0.03	1655	0.14
0045	0.18	0350	0.11	0700	0.02	1700	0.11
0050	0.15	0355	0.09	0705	0.02	1705	0.09
0055	0.11	0400	0.08	0710	0.02	1710	0.08

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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OCTOBER 4, 1981--CONTINUED

0100	0.09	0405	0.08	0715	0.02	1715	0.06
0105	0.09	0410	0.07	0720	0.01	1720	0.04
0110	0.14	0415	0.06	0725	0.01	1725	0.03
0115	0.19	0420	0.06	0730	0.01	1730	0.02
0120	0.28	0425	0.03	0735	0.02	1735	0.02
0125	0.37	0430	0.03	0740	0.02	1740	0.02
0130	0.46	0435	0.04	0745	0.02	1745	0.01
0135	0.48	0440	0.03	0750	0.03	1815	0.15
0140	0.41	0445	0.04	0755	0.02	1820	0.42
0145	0.39	0450	0.03	0800	0.03	1825	0.52
0150	0.62	0455	0.03	0805	0.03	1830	0.41
0155	1.0	0500	0.02	0810	0.03	1835	0.26
0200	1.2	0505	0.02	0815	0.04	1840	0.19
0205	1.2	0510	0.02	0820	0.03	1845	0.17
0210	1.4	0515	0.02	0825	0.04	1850	0.15
0215	1.5	0520	0.02	0830	0.04	1855	0.13
0220	1.5	0525	0.02	0835	0.05	1900	0.10
0225	1.5	0530	0.02	0840	0.05	1905	0.08
0230	1.3	0535	0.02	0845	0.04	1910	0.07
0235	1.2	0540	0.02	0850	0.03	1915	0.05
0240	1.0	0545	0.03	0855	0.03	1920	0.04
0245	1.0	0550	0.03	0900	0.03	1925	0.03
0250	0.95	0555	0.03	0905	0.02	1930	0.02
0255	0.95	0600	0.04	0910	0.02	1935	0.02
0300	1.0	0605	0.05	0915	0.02	1940	0.02
0305	1.1	0610	0.04	0920	0.02	1945	0.01

OCTOBER 8, 1981

0015	0.03	0240	0.62	0505	0.13	0755	0.16
0020	0.20	0245	0.42	0510	0.10	0800	0.15
0025	1.2	0250	0.30	0515	0.09	0805	0.12
0030	2.0	0255	0.23	0520	0.08	0810	0.10
0035	1.8	0300	0.17	0525	0.06	0815	0.08
0040	1.8	0305	0.15	0530	0.05	0820	0.08
0045	1.9	0310	0.13	0535	0.04	0825	0.07
0050	1.9	0315	0.11	0540	0.04	0830	0.07
0055	1.7	0320	0.11	0545	0.04	0835	0.07
0100	1.7	0325	0.12	0550	0.04	0840	0.07
0105	2.4	0330	0.17	0555	0.04	0845	0.08
0110	5.1	0335	0.23	0600	0.06	0850	0.08

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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OCTOBER 8, 1981--CONTINUED

0115	4.3	0340	0.28	0605	0.04	0855	0.08
0120	3.2	0345	0.30	0610	0.03	0900	0.10
0125	2.3	0350	0.32	0615	0.03	0905	0.13
0130	1.9	0355	0.35	0620	0.02	0910	0.15
0135	1.8	0400	0.35	0625	0.02	0915	0.18
0140	1.6	0405	0.30	0630	0.02	0920	0.18
0145	1.5	0410	0.25	0635	0.02	0925	0.17
0150	1.5	0415	0.26	0640	0.01	0930	0.15
0155	1.7	0420	0.46	0645	0.02	0935	0.12
0200	2.0	0425	1.0	0650	0.02	0940	0.09
0205	1.8	0430	1.2	0655	0.01	0945	0.07
0210	2.0	0435	0.89	0700	0.01	0950	0.05
0215	2.5	0440	0.68	0735	0.01	0955	0.03
0220	2.3	0445	0.49	0740	0.04	1000	0.02
0225	2.1	0450	0.33	0745	0.09	1005	0.02
0230	1.6	0455	0.23	0750	0.16	1010	0.01
0235	1.0	0500	0.16				

OCTOBER 10, 1981

0740	0.02	0905	0.02	1510	0.17	2230	0.06
0745	0.03	0910	0.01	1515	0.15	2235	0.04
0750	0.03	0950	0.03	1520	0.13	2240	0.03
0755	0.04	0955	0.03	1525	0.10	2245	0.03
0800	0.04	1000	0.03	1530	0.08	2250	0.02
0805	0.04	1005	0.03	1535	0.06	2255	0.02
0810	0.03	1010	0.04	1540	0.04	2300	0.02
0815	0.01	1015	0.04	1545	0.03	2305	0.01
0825	0.02	1020	0.03	1550	0.02	2310	0.01
0830	0.04	1435	0.89	1555	0.02	2315	0.01
0835	0.03	1440	3.2	1600	0.01	2335	0.08
0840	0.04	1445	1.9	1605	0.01	2340	0.32
0845	0.04	1450	0.92	2210	0.02	2345	0.28
0850	0.04	1455	0.48	2215	0.07	2350	0.22
0855	0.04	1500	0.28	2220	0.08	2355	0.16
0900	0.03	1505	0.19	2225	0.08	2400	0.13

OCTOBER 11, 1981

0005	0.10	0335	0.95	0640	0.09	0945	0.02
0010	0.08	0340	0.77	0645	0.07	0950	0.02

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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OCTOBER 11, 1981--CONTINUED

0015	0.08	0345	0.54	0650	0.06	0955	0.02
0020	0.12	0350	0.57	0655	0.05	1000	0.02
0025	0.15	0355	0.77	0700	0.04	1005	0.01
0030	0.15	0400	0.59	0705	0.04	1010	0.01
0035	0.12	0405	0.39	0710	0.03	1015	0.01
0040	0.10	0410	0.25	0715	0.03	1020	0.01
0045	0.08	0415	0.17	0720	0.03	1025	0.01
0050	0.06	0420	0.17	0725	0.03	1030	0.01
0055	0.04	0425	0.33	0730	0.02	1035	0.01
0100	0.03	0430	0.42	0735	0.02	1040	0.01
0105	0.03	0435	0.35	0740	0.02	1045	0.01
0110	0.02	0440	0.26	0745	0.02	1050	0.01
0115	0.02	0445	0.20	0750	0.02	1055	0.01
0120	0.02	0450	0.16	0755	0.02	1100	0.01
0125	0.01	0455	0.17	0800	0.02	1315	0.01
0130	0.01	0500	0.25	0805	0.02	1320	0.02
0155	0.13	0505	0.35	0810	0.02	1325	0.16
0200	0.65	0510	0.33	0815	0.02	1330	0.26
0205	2.1	0515	0.26	0820	0.02	1335	0.32
0210	5.3	0520	0.25	0825	0.02	1340	0.22
0215	4.8	0525	0.28	0830	0.02	1345	0.92
0220	4.3	0530	0.25	0835	0.02	1350	1.5
0225	3.6	0535	0.19	0840	0.02	1355	0.86
0230	2.9	0540	0.15	0845	0.01	1400	0.44
0235	2.9	0545	0.12	0850	0.01	1405	0.25
0240	2.3	0550	0.10	0855	0.03	1410	0.16
0245	1.8	0555	0.08	0900	0.03	1415	0.12
0250	1.3	0600	0.13	0905	0.02	1420	0.09
0255	0.95	0605	0.51	0910	0.02	1425	0.08
0300	0.77	0610	0.57	0915	0.02	1430	0.07
0305	0.59	0615	0.41	0920	0.02	1435	0.05
0310	0.48	0620	0.25	0925	0.02	1440	0.04
0315	0.57	0625	0.17	0930	0.02	1445	0.03
0320	0.77	0630	0.13	0935	0.02	1450	0.03
0325	0.71	0635	0.11	0940	0.02	1455	0.03
0330	0.83						

OCTOBER 13, 1981

1855	0.23	1935	1.8	2015	0.15	2050	0.08
1900	0.17	1940	1.3	2020	0.15	2055	0.07

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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OCTOBER 13, 1981--CONTINUED

1905	1.1	1945	0.80	2025	0.13	2100	0.05
1910	2.2	1950	0.52	2030	0.12	2105	0.04
1915	1.8	1955	0.37	2035	0.10	2110	0.02
1920	1.7	2000	0.26	2040	0.09	2115	0.02
1925	1.6	2005	0.23	2045	0.08	2120	0.01
1930	2.0	2010	0.18				

OCTOBER 16, 1981

0005	0.49	0225	0.44	0440	0.05	1705	0.25
0010	0.46	0230	0.37	0445	0.04	1710	0.23
0015	0.41	0235	0.33	0450	0.03	1715	0.30
0020	0.33	0240	0.30	0455	0.02	1720	0.35
0025	0.25	0245	0.28	0500	0.02	1725	0.35
0030	0.19	0250	0.32	0505	0.02	1730	0.30
0035	0.15	0255	0.59	0510	0.02	1735	0.23
0040	0.13	0300	1.1	0515	0.01	1740	0.19
0045	0.10	0305	1.7	0520	0.01	1745	0.16
0050	0.08	0310	2.1	0650	0.01	1750	0.15
0055	0.07	0315	2.1	1540	0.12	1755	0.14
0100	0.06	0320	1.7	1545	0.33	1800	0.14
0105	0.06	0325	1.7	1550	0.35	1805	0.16
0110	0.08	0330	1.7	1555	0.26	1810	0.18
0115	0.09	0335	1.4	1600	0.20	1815	0.19
0120	0.11	0340	0.98	1605	0.15	1820	0.16
0125	0.13	0345	0.65	1610	0.13	1825	0.13
0130	0.17	0350	0.44	1615	0.10	1830	0.10
0135	0.25	0355	0.32	1620	0.08	1835	0.08
0140	0.30	0400	0.23	1625	0.07	1840	0.06
0145	0.35	0405	0.18	1630	0.05	1845	0.04
0150	0.41	0410	0.16	1635	0.04	1850	0.03
0155	0.46	0415	0.15	1640	0.03	1855	0.03
0200	0.46	0420	0.12	1645	0.03	1900	0.02
0205	0.42	0425	0.10	1650	0.08	1905	0.02
0210	0.42	0430	0.08	1655	0.19	1910	0.02
0215	0.48	0435	0.06	1700	0.25	1915	0.01
0220	0.48						

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 28-29, 1981							
2225	0.57	0140	3.3	0550	0.02	1930	0.03
2230	2.4	0145	4.2	0555	0.01	1935	0.02
2235	2.3	0150	3.9	1530	0.19	1940	0.02
2240	3.5	0155	3.5	1535	0.48	1945	0.02
2245	3.3	0200	3.5	1540	0.65	1950	0.01
2250	3.7	0205	2.9	1545	0.48	2115	0.12
2255	2.9	0210	2.4	1550	0.30	2120	0.37
2300	2.0	0215	2.4	1555	0.19	2125	1.1
2305	1.9	0220	1.7	1600	0.14	2130	1.1
2310	1.9	0225	1.0	1605	0.10	2135	0.89
2315	2.0	0230	0.62	1610	0.08	2140	0.86
2320	2.7	0235	0.46	1615	0.06	2145	0.92
2325	3.1	0240	0.41	1620	0.04	2150	0.80
2330	2.2	0245	0.39	1625	0.03	2155	0.80
2335	1.4	0250	0.33	1630	0.03	2200	0.62
2340	0.92	0255	0.30	1635	0.03	2205	0.49
2345	0.83	0300	0.35	1640	0.05	2210	0.39
2350	1.0	0305	0.46	1645	0.08	2215	0.32
2355	1.3	0310	0.51	1650	0.08	2220	0.26
2400	1.2	0315	0.57	1655	0.06	2225	0.19
		0320	0.59	1700	0.05	2230	0.15
0005	1.2	0325	0.52	1705	0.03	2235	0.13
0010	1.3	0330	0.41	1710	0.03	2240	0.17
0015	1.5	0335	0.32	1715	0.02	2245	0.35
0020	1.8	0340	0.26	1720	0.02	2250	0.48
0025	1.7	0345	0.23	1725	0.01	2255	0.52
0030	1.7	0350	0.19	1730	0.01	2300	0.48
0035	1.8	0355	0.17	1825	0.37	2305	0.37
0040	1.5	0400	0.16	1830	1.5	2310	0.37
0045	1.0	0405	0.15	1835	1.3	2315	0.37
0050	0.59	0410	0.13	1840	1.1	2320	0.26
0055	0.41	0415	0.10	1845	0.52	2325	0.26
0100	0.25	0420	0.08	1850	0.32	2330	0.33
0105	0.19	0425	0.06	1855	0.18	2335	0.32
0110	0.16	0430	0.04	1900	0.14	2340	0.33
0115	0.19	0435	0.03	1905	0.10	2345	0.41
0120	0.37	0440	0.03	1910	0.08	2350	0.35
0125	0.83	0445	0.02	1915	0.06	2355	0.25
0130	2.0	0450	0.02	1920	0.04	2400	0.18
0135	2.9	0455	0.01	1925	0.03		

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
NOVEMBER 7, 1981							
0400	0.10	0455	0.26	0550	1.2	0645	0.12
0405	0.22	0500	0.25	0555	0.83	0650	0.09
0410	0.30	0505	0.25	0600	0.54	0655	0.08
0415	0.33	0510	0.26	0605	0.41	0700	0.06
0420	0.37	0515	0.26	0610	0.37	0705	0.04
0425	0.37	0520	0.37	0615	0.44	0710	0.03
0430	0.37	0525	0.80	0620	0.46	0715	0.03
0435	0.37	0530	0.98	0625	0.39	0720	0.02
0440	0.37	0535	1.4	0630	0.28	0725	0.02
0445	0.32	0540	2.1	0635	0.19	0730	0.01
0450	0.30	0545	1.8	0640	0.15	0735	0.01
NOVEMBER 17, 1981							
1930	0.39	2015	1.9	2055	1.7	2135	0.11
1935	0.48	2020	2.0	2100	1.0	2140	0.08
1940	0.35	2025	2.2	2105	0.59	2145	0.09
1945	0.54	2030	2.5	2110	0.42	2150	0.04
1950	1.5	2035	3.0	2115	0.28	2155	0.03
1955	1.6	2040	3.3	2120	0.19	2200	0.02
2000	1.5	2045	3.7	2125	0.15	2205	0.02
2005	1.7	2050	2.9	2130	0.13	2210	0.01
2010	2.1						
NOVEMBER 24, 1981							
2200	0.11	2235	0.14	2305	0.09	2335	0.06
2205	0.20	2240	0.12	2310	0.09	2340	0.06
2210	0.28	2245	0.10	2315	0.08	2345	0.05
2215	0.28	2250	0.09	2320	0.08	2350	0.06
2220	0.23	2255	0.09	2325	0.08	2355	0.04
2225	0.19	2300	0.09	2330	0.07	2400	0.04
2230	0.16						
NOVEMBER 25, 1981							
0005	0.05	0310	0.04	0615	0.15	0920	0.26
0010	0.08	0315	0.04	0620	0.15	0925	0.23
0015	0.20	0320	0.08	0625	0.15	0930	0.20
0020	0.41	0325	0.15	0630	0.16	0935	0.18
0025	0.48	0330	0.18	0635	0.17	0940	0.16

TABLE 5.--Continued

10167220 BELLS CANYON CONDUIT AT 1000 EAST AND 11000 SOUTH,
AT SANDY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
NOVEMBER 25, 1981--CONTINUED							
0030	0.46	0335	0.25	0640	0.17	0945	0.15
0035	0.44	0340	0.23	0645	0.17	0950	0.15
0040	0.44	0345	0.19	0650	0.17	0955	0.15
0045	0.48	0350	0.15	0655	0.16	1000	0.15
0050	0.54	0355	0.15	0700	0.16	1005	0.15
0055	0.59	0400	0.14	0705	0.15	1010	0.16
0100	0.54	0405	0.16	0710	0.15	1015	0.16
0105	0.54	0410	0.30	0715	0.14	1020	0.15
0110	0.62	0415	0.46	0720	0.13	1025	0.15
0115	0.74	0420	0.54	0725	0.13	1030	0.15
0120	0.83	0425	0.54	0730	0.12	1035	0.15
0125	0.77	0430	0.54	0735	0.11	1040	0.15
0130	0.59	0435	0.59	0740	0.10	1045	0.15
0135	0.35	0440	0.59	0745	0.09	1050	0.15
0140	0.18	0445	0.59	0750	0.08	1055	0.15
0145	0.10	0450	0.57	0755	0.08	1100	0.14
0150	0.07	0455	0.54	0800	0.08	1105	0.12
0155	0.05	0500	0.51	0805	0.07	1110	0.14
0200	0.06	0505	0.46	0810	0.07	1115	0.14
0205	0.11	0510	0.42	0815	0.06	1120	0.13
0210	0.23	0515	0.41	0820	0.06	1125	0.11
0215	0.51	0520	0.37	0825	0.06	1130	0.09
0220	0.48	0525	0.33	0830	0.06	1135	0.08
0225	0.44	0530	0.32	0835	0.06	1140	0.06
0230	0.42	0535	0.30	0840	0.03	1145	0.04
0235	0.44	0540	0.28	0845	0.03	1150	0.03
0240	0.44	0545	0.28	0850	0.02	1155	0.03
0245	0.35	0550	0.23	0855	0.01	1200	0.02
0250	0.20	0555	0.19	0900	0.07	1205	0.02
0255	0.13	0600	0.17	0905	0.17	1210	0.01
0300	0.08	0605	0.15	0910	0.26	1215	0.01
0305	0.06	0610	0.14	0915	0.26		

TABLE 5.--Continued

10167240 NINETIETH SOUTH CONDUIT AT JORDAN RIVER, NEAR MIDVALE, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 26, 1980							
0800	8.0	1050	8.6	1335	13	1620	12
0805	9.2	1055	9.2	1340	11	1625	12
0810	9.2	1100	8.6	1345	11	1630	12
0815	8.6	1105	8.6	1350	9.9	1635	12
0820	8.6	1110	8.6	1355	12	1640	12
0825	9.2	1115	8.0	1400	11	1645	13
0830	9.2	1120	8.6	1405	11	1650	12
0835	8.6	1125	11	1410	9.9	1655	11
0840	8.0	1130	11	1415	9.9	1700	11
0845	9.2	1135	9.9	1420	9.9	1705	11
0850	6.9	1140	11	1425	9.9	1710	12
0855	8.6	1145	9.2	1430	11	1715	11
0900	8.6	1150	9.2	1435	12	1720	11
0905	8.6	1155	9.2	1440	9.9	1725	11
0910	8.6	1200	9.2	1445	12	1730	11
0915	8.6	1205	9.9	1450	13	1735	9.9
0920	8.6	1210	11	1455	11	1740	11
0925	8.0	1215	8.6	1500	9.2	1745	11
0930	9.2	1220	9.9	1505	8.6	1750	11
0935	8.0	1225	9.2	1510	12	1755	12
0940	9.2	1230	9.2	1515	11	1800	11
0945	9.2	1235	9.9	1520	9.9	1805	11
0950	9.2	1240	11	1525	9.9	1810	12
0955	8.6	1245	11	1530	9.9	1815	11
1000	8.6	1250	11	1535	11	1820	9.9
1005	8.6	1255	11	1540	12	1825	12
1010	9.2	1300	9.9	1545	11	1830	12
1015	8.0	1305	11	1550	11	1835	11
1020	8.0	1310	11	1555	9.9	1840	11
1025	8.0	1315	11	1600	11	1845	11
1030	8.6	1320	11	1605	12	1850	11
1035	9.2	1325	13	1610	12	1855	11
1040	8.6	1330	11	1615	11	1900	9.9
1045	9.2						
MARCH 26, 1981							
0700	0.79	0950	0.79	1235	0.79	1520	2.2
0705	0.79	0955	0.79	1240	0.79	1525	2.0
0710	0.79	1000	0.79	1245	0.98	1530	2.0
0715	0.79	1005	0.79	1250	1.3	1535	2.0
0720	0.79	1010	0.79	1255	1.5	1540	2.0
0725	0.79	1015	0.79	1300	1.6	1545	2.0

TABLE 5.--Continued

10167240 NINETIETH SOUTH CONDUIT AT JORDAN RIVER,
NEAR MIDVALE, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26, 1981--CONTINUED

0730	0.79	1020	0.79	1305	2.0	1550	2.0
0735	0.79	1025	0.79	1310	2.2	1555	2.0
0740	0.79	1030	0.79	1315	2.2	1600	2.0
0745	0.79	1035	0.79	1320	2.0	1605	2.2
0750	0.79	1040	0.79	1325	1.8	1610	2.2
0755	0.79	1045	0.79	1330	1.6	1615	2.2
0800	0.79	1050	0.79	1335	1.5	1620	2.4
0805	0.79	1055	0.79	1340	1.5	1625	2.4
0810	0.79	1100	0.79	1345	1.5	1630	2.4
0815	0.79	1105	0.79	1350	1.6	1635	2.7
0820	0.79	1110	0.79	1355	1.6	1640	2.7
0825	0.79	1115	0.79	1400	1.8	1645	2.7
0830	0.79	1120	0.79	1405	2.0	1650	2.7
0835	0.79	1125	0.79	1410	1.8	1655	2.7
0840	0.79	1130	0.79	1415	1.8	1700	2.7
0845	0.79	1135	0.79	1420	1.8	1705	2.7
0850	0.79	1140	0.79	1425	1.8	1710	2.7
0855	0.79	1145	0.79	1430	1.8	1715	2.7
0900	0.79	1150	0.79	1435	1.8	1720	2.4
0905	0.79	1155	0.79	1440	1.8	1725	2.4
0910	0.79	1200	0.79	1445	1.8	1730	2.4
0915	0.79	1205	0.79	1450	2.0	1735	2.7
0920	0.79	1210	0.79	1455	2.0	1740	2.7
0925	0.79	1215	0.79	1500	2.2	1745	2.4
0930	0.79	1220	0.79	1505	2.2	1750	2.4
0935	0.79	1225	0.79	1510	2.4	1755	2.4
0940	0.79	1230	0.79	1515	2.4	1800	2.2
0945	0.79						

MAY 10, 1981

1200	1.3	1505	1.1	1805	0.79	2105	0.88
1205	1.3	1510	0.98	1810	0.79	2110	0.88
1210	1.3	1515	0.98	1815	0.79	2115	0.88
1215	1.3	1520	0.98	1820	0.79	2120	0.88
1220	1.3	1525	0.98	1825	0.79	2125	0.88
1225	1.3	1530	0.98	1830	0.79	2130	0.88
1230	1.3	1535	0.98	1835	0.79	2135	0.88
1235	1.3	1540	0.98	1840	0.79	2140	0.88
1240	1.3	1545	0.98	1845	0.79	2145	0.88
1245	1.3	1550	0.98	1850	0.79	2150	0.88
1250	1.3	1555	0.88	1855	0.79	2155	0.98

TABLE 5.--Continued

10167240 NINETIETH SOUTH CONDUIT AT JORDAN RIVER,
NEAR MIDVALE, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 10, 1981--CONTINUED

1255	1.3	1600	0.88	1900	0.79	2200	1.2
1300	1.3	1605	0.88	1905	0.79	2205	1.8
1305	1.2	1610	0.88	1910	0.79	2210	2.7
1310	1.2	1615	0.88	1915	0.79	2215	2.9
1315	1.2	1620	0.88	1920	0.79	2220	2.4
1320	1.2	1625	0.88	1925	0.79	2225	2.2
1325	1.2	1630	0.88	1930	0.79	2230	2.4
1330	1.2	1635	0.79	1935	0.79	2235	3.4
1335	1.2	1640	0.79	1940	0.79	2240	2.9
1340	1.1	1645	0.79	1945	0.79	2245	2.9
1345	1.2	1650	0.79	1950	0.88	2250	3.4
1350	1.2	1655	0.79	1955	0.88	2255	4.7
1355	1.1	1700	0.79	2000	0.88	2300	4.7
1400	1.1	1705	0.79	2005	0.88	2305	4.0
1405	1.1	1710	0.79	2010	0.88	2310	4.7
1410	1.1	1715	0.79	2015	0.88	2315	6.5
1415	1.1	1720	0.79	2020	0.88	2320	5.1
1420	1.1	1725	0.79	2025	0.79	2325	4.7
1425	1.1	1730	0.79	2030	0.79	2330	4.0
1430	1.1	1735	0.79	2035	0.88	2335	3.4
1435	1.1	1740	0.79	2040	0.79	2340	2.9
1440	0.98	1745	0.79	2045	0.79	2345	2.7
1445	0.98	1750	0.79	2050	0.88	2350	2.7
1450	0.98	1755	0.79	2055	0.88	2355	2.4
1455	1.1	1800	0.79	2100	0.88	2400	2.4
1500	1.1						

MAY 11, 1981

0005	2.2	0320	1.3	0635	1.3	0950	1.3
0010	2.2	0325	1.5	0640	1.3	0955	1.3
0015	2.0	0330	1.5	0645	1.3	1000	1.3
0020	2.2	0335	1.5	0650	1.3	1005	1.3
0025	2.2	0340	1.3	0655	1.3	1010	1.3
0030	2.2	0345	1.5	0700	1.3	1015	1.3
0035	2.2	0350	1.3	0705	1.3	1020	1.3
0040	2.2	0355	1.3	0710	1.3	1025	1.3
0045	2.2	0400	1.3	0715	1.3	1030	1.3
0050	2.0	0405	1.3	0720	1.3	1035	1.3
0055	2.0	0410	1.3	0725	1.3	1040	1.3
0100	2.0	0415	1.3	0730	1.3	1045	1.3
0105	2.0	0420	1.3	0735	1.3	1050	1.3

TABLE 5.--Continued

10167240 NINETIETH SOUTH CONDUIT AT JORDAN RIVER,
NEAR MIDVALE, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 11, 1981--CONTINUED

0110	2.0	0425	1.3	0740	1.3	1055	1.3
0115	1.8	0430	1.3	0745	1.3	1100	1.3
0120	2.0	0435	1.3	0750	1.3	1105	1.3
0125	1.8	0440	1.3	0755	1.3	1110	1.3
0130	1.6	0445	1.3	0800	1.3	1115	1.3
0135	1.6	0450	1.3	0805	1.3	1120	1.3
0140	1.8	0455	1.3	0810	1.3	1125	1.3
0145	1.8	0500	1.3	0815	1.3	1130	1.3
0150	1.6	0505	1.3	0820	1.3	1135	1.3
0155	1.6	0510	1.3	0825	1.3	1140	1.3
0200	1.5	0515	1.3	0830	1.3	1145	1.2
0205	1.5	0520	1.3	0835	1.3	1150	1.1
0210	1.5	0525	1.3	0840	1.3	1155	1.1
0215	1.5	0530	1.3	0845	1.3	1200	1.1
0220	1.5	0535	1.3	0850	1.3	1205	1.1
0225	1.5	0540	1.3	0855	1.3	1210	1.1
0230	1.5	0545	1.3	0900	1.3	1215	1.2
0235	1.5	0550	1.3	0905	1.3	1220	1.2
0240	1.5	0555	1.3	0910	1.3	1225	1.2
0245	1.5	0600	1.3	0915	1.3	1230	1.2
0250	1.5	0605	1.3	0920	1.3	1235	1.3
0255	1.5	0610	1.3	0925	1.3	1240	1.3
0300	1.5	0615	1.3	0930	1.3	1245	1.2
0305	1.3	0620	1.3	0935	1.3	1250	1.3
0310	1.3	0625	1.3	0940	1.3	1255	1.3
0315	1.3	0630	1.3	0945	1.3	1300	1.3

MAY 20, 1981

0005	21	0305	21	0605	34	0905	39
0010	24	0310	24	0610	34	0910	37
0015	23	0315	40	0615	35	0915	37
0020	23	0320	45	0620	35	0920	35
0025	23	0325	43	0625	35	0925	34
0030	23	0330	45	0630	40	0930	35
0035	23	0335	42	0635	39	0935	34
0040	22	0340	39	0640	37	0940	32
0045	23	0345	40	0645	39	0945	32
0050	23	0350	42	0650	37	0950	34
0055	24	0355	42	0655	37	0955	34
0100	23	0400	39	0700	35	1000	35

TABLE 5.--Continued

10167240 NINETIETH SOUTH CONDUIT AT JORDAN RIVER,
NEAR MIDVALE, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 20, 1981--CONTINUED

0105	21	0405	37	0705	37	1005	32
0110	23	0410	39	0710	35	1010	34
0115	24	0415	40	0715	37	1015	34
0120	22	0420	39	0720	35	1020	32
0125	23	0425	39	0725	37	1025	32
0130	22	0430	37	0730	37	1030	32
0135	24	0435	37	0735	35	1035	32
0140	24	0440	32	0740	37	1040	32
0145	23	0445	34	0745	37	1045	32
0150	23	0450	35	0750	35	1050	31
0155	24	0455	34	0755	35	1055	32
0200	23	0500	34	0800	35	1100	34
0205	24	0505	35	0805	35	1105	34
0210	22	0510	37	0810	35	1110	31
0215	24	0515	34	0815	35	1115	35
0220	24	0520	34	0820	34	1120	35
0225	25	0525	34	0825	35	1125	32
0230	23	0530	35	0830	34	1130	35
0235	26	0535	35	0835	37	1135	37
0240	25	0540	34	0840	34	1140	37
0245	24	0545	35	0845	32	1145	39
0250	25	0550	34	0850	35	1150	40
0255	23	0555	35	0855	34	1155	40
0300	26	0600	37	0900	35	1200	39

TABLE 5.--Continued

10167499 LITTLE COTTONWOOD CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 26, 1980							
1030	1.0	1300	1.2	1530	1.2	1800	1.2
1045	1.0	1315	1.2	1545	1.2	1815	1.2
1100	1.0	1330	1.2	1600	1.2	1830	1.2
1115	1.2	1345	1.2	1615	1.2	1845	1.2
1130	1.2	1400	1.2	1630	1.2	1900	1.2
1145	1.2	1415	1.2	1645	1.2	1915	1.2
1200	1.2	1430	1.2	1700	1.2	1930	1.2
1215	1.2	1445	1.2	1715	1.2	1945	1.2
1230	1.2	1500	1.2	1730	1.2	2000	1.2
1245	1.2	1515	1.2	1745	1.2	2015	1.2
MARCH 26, 1981							
1130	1.8	1415	2.0	1645	2.0	1915	2.0
1145	1.8	1430	2.0	1700	2.0	1930	2.0
1200	1.8	1445	2.0	1715	2.0	1945	2.0
1215	1.8	1500	2.0	1730	2.0	2000	2.0
1230	2.0	1515	2.0	1745	2.0	2015	2.0
1245	2.0	1530	2.0	1800	2.0	2030	2.0
1300	2.0	1545	2.0	1815	2.0	2045	2.0
1315	2.0	1600	2.0	1830	2.0	2100	2.0
1330	2.0	1615	2.0	1845	2.0	2115	2.0
1345	2.0	1630	2.0	1900	2.0	2130	2.0
1400	2.0						
MARCH 29-30, 1981							
1800	2.0	2130	2.3	0045	2.6	0415	2.6
1815	2.0	2145	2.3	0100	2.6	0430	2.6
1830	2.0	2200	2.3	0115	2.6	0445	2.6
1845	2.0	2215	2.6	0130	2.6	0500	2.6
1900	2.0	2230	2.6	0145	2.6	0515	2.6
1915	2.0	2245	2.6	0200	2.6	0530	2.6
1930	2.0	2300	2.6	0215	2.6	0545	2.6
1945	2.0	2315	2.6	0230	2.6	0600	2.3
2000	2.0	2330	2.6	0245	2.6	0615	2.3
2015	2.0	2345	2.6	0300	2.6	0630	2.3
2030	2.0	2400	2.6	0315	2.6	0645	2.3
2045	2.3			0330	2.6	0700	2.3
2100	2.3	0015	2.6	0345	2.6	0715	2.3
2115	2.3	0030	2.6	0400	2.6		

TABLE 5.--Continued

10167499 LITTLE COTTONWOOD CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
APRIL 2-3, 1981							
1600	2.3	2015	2.6	0015	2.9	0415	2.9
1615	2.3	2030	2.6	0030	2.9	0430	2.9
1630	2.3	2045	2.6	0045	2.9	0445	2.9
1645	2.3	2100	2.6	0100	2.9	0500	2.9
1700	2.3	2115	2.6	0115	2.9	0515	2.9
1715	2.3	2130	2.6	0130	2.9	0530	2.9
1730	2.3	2145	2.6	0145	2.9	0545	2.9
1745	2.3	2200	2.6	0200	2.9	0600	2.6
1800	2.6	2215	2.6	0215	2.9	0615	2.6
1815	2.6	2230	2.6	0230	2.9	0630	2.6
1830	2.6	2245	2.6	0245	2.9	0645	2.6
1845	2.6	2300	2.6	0300	2.9	0700	2.6
1900	2.6	2315	2.9	0315	2.9	0715	2.6
1915	2.6	2330	2.9	0330	2.9	0730	2.6
1930	2.6	2345	2.9	0345	2.9	0745	2.6
1945	2.6	2400	2.9	0400	2.9	0800	2.6
2000	2.6						
MAY 2-3, 1981							
2345	227	0230	233	0530	222	0830	203
2400	227	0245	233	0545	221	0845	201
		0300	236	0600	219	0900	200
0015	227	0315	236	0615	216	0915	198
0030	225	0330	236	0630	215	0930	198
0045	224	0345	234	0645	213	0945	197
0100	227	0400	230	0700	212	1000	195
0115	230	0415	225	0715	209	1015	194
0130	233	0430	224	0730	207	1030	194
0145	233	0445	224	0745	204	1045	194
0200	233	0500	222	0800	204	1100	192
0215	233	0515	222	0815	203	1115	192

TABLE 5.--Continued

10167499 LITTLE COTTONWOOD CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 8, 1981

0615	70	0900	71	1145	71	1415	68
0630	69	0915	71	1200	70	1430	67
0645	69	0930	72	1215	70	1445	67
0700	69	0945	72	1230	70	1500	67
0715	69	1000	72	1245	70	1515	67
0730	69	1015	72	1300	70	1530	67
0745	71	1030	72	1315	70	1545	67
0800	71	1045	72	1330	69	1600	67
0815	71	1100	71	1345	69	1615	67
0830	71	1115	71	1400	68	1630	67
0845	71	1130	71				

MAY 10-11, 1981

2200	68	2330	77	0045	97	0215	82
2215	68	2345	88	0100	96	0230	81
2230	68	2400	94	0115	94	0245	80
2245	69			0130	90	0300	80
2300	69	0015	96	0145	87	0315	80
2315	71	0030	97	0200	84		

TABLE 5.--Continued

10167499 LITTLE COTTONWOOD CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 15-16, 1981							
0530	69	1415	75	2300	70	0730	71
0545	69	1430	75	2315	71	0745	71
0600	69	1445	75	2330	71	0800	70
0615	73	1500	75	2345	71	0815	70
0630	76	1515	75	2400	71	0830	70
0645	76	1530	75			0845	70
0700	76	1545	75	0015	72	0900	70
0715	77	1600	75	0030	73	0915	70
0730	77	1615	74	0045	73	0930	70
0745	79	1630	74	0100	73	0945	70
0800	80	1645	74	0115	74	1000	72
0815	80	1700	74	0130	74	1015	72
0830	77	1715	73	0145	74	1030	72
0845	76	1730	73	0200	74	1045	72
0900	75	1745	73	0215	74	1100	72
0915	74	1800	72	0230	73	1115	71
0930	73	1815	72	0245	73	1130	71
0945	72	1830	72	0300	73	1145	71
1000	72	1845	71	0315	73	1200	71
1015	71	1900	71	0330	73	1215	71
1030	71	1915	71	0345	73	1230	71
1045	71	1930	70	0400	73	1245	70
1100	71	1945	70	0415	73	1300	70
1115	72	2000	70	0430	73	1315	69
1130	72	2015	70	0445	73	1330	69
1145	72	2030	70	0500	73	1345	69
1200	73	2045	70	0515	73	1400	69
1215	73	2100	70	0530	72	1415	68
1230	74	2115	69	0545	72	1430	68
1245	74	2130	69	0600	72	1445	68
1300	74	2145	69	0615	72	1500	68
1315	75	2200	69	0630	72	1515	67
1330	75	2215	69	0645	71	1530	67
1345	75	2230	69	0700	71	1545	67
1400	75	2245	70	0715	71	1600	67

TABLE 5.--Continued

10167499 LITTLE COTTONWOOD CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 20, 1981

0530	77	0915	82	1300	85	1630	85
0545	77	0930	82	1315	86	1645	85
0600	77	0945	82	1330	86	1700	85
0615	77	1000	82	1345	86	1715	85
0630	79	1015	82	1400	87	1730	84
0645	79	1030	82	1415	87	1745	84
0700	79	1045	82	1430	87	1800	84
0715	80	1100	82	1445	87	1815	83
0730	81	1115	82	1500	87	1830	83
0745	81	1130	82	1515	87	1845	83
0800	82	1145	82	1530	87	1900	83
0815	82	1200	83	1545	87	1915	83
0830	82	1215	83	1600	86	1930	83
0845	82	1230	84	1615	86	1945	83
0900	82	1245	84				

MAY 21, 1981

0115	80	0400	80	0630	85	0900	83
0130	80	0415	80	0645	86	0915	83
0145	80	0430	80	0700	86	0930	83
0200	80	0445	80	0715	86	0945	83
0215	80	0500	80	0730	86	1000	83
0230	80	0515	80	0745	86	1015	82
0245	80	0530	81	0800	85	1030	81
0300	80	0545	82	0815	84	1045	81
0315	80	0600	84	0830	84	1100	81
0330	80	0615	85	0845	84	1115	81
0345	80						

JUNE 2-3, 1981

1615	293	2245	485	0500	392	1115	338
1630	295	2300	479	0515	390	1130	338
1645	296	2315	473	0530	383	1145	335
1700	298	2330	469	0545	381	1200	333
1715	298	2345	467	0600	379	1215	333
1730	300	2400	463	0615	379	1230	331
1745	302			0630	377	1245	329
1800	305	0015	459	0645	371	1300	329
1815	308	0030	451	0700	369	1315	328
1830	315	0045	453	0715	368	1330	326
1845	328	0100	451	0730	364	1345	324

TABLE 5.--Continued

10167499 LITTLE COTTONWOOD CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 2-3, 1981--CONTINUED

1900	333	0115	447	0745	362	1400	322
1915	346	0130	443	0800	358	1415	317
1930	358	0145	441	0815	356	1430	317
1945	375	0200	433	0830	356	1445	315
2000	384	0215	429	0845	342	1500	315
2015	398	0230	423	0900	346	1515	314
2030	405	0245	421	0915	346	1530	314
2045	447	0300	415	0930	355	1545	314
2100	465	0315	413	0945	353	1600	312
2115	481	0330	413	1000	358	1615	312
2130	494	0345	409	1015	347	1630	310
2145	519	0400	407	1030	344	1645	310
2200	523	0415	402	1045	344	1700	310
2215	510	0430	400	1100	340	1715	308
2230	494	0445	394				

SEPTEMBER 5, 1981

1030	1.1	1245	1.1	1500	1.5	1700	1.5
1045	1.1	1300	1.1	1515	1.5	1715	1.5
1100	1.1	1315	1.1	1530	1.5	1730	1.3
1115	1.1	1330	1.3	1545	1.5	1745	1.3
1130	1.1	1345	1.8	1600	1.5	1800	1.3
1145	1.1	1400	1.8	1615	1.5	1815	1.3
1200	1.1	1415	1.8	1630	1.5	1830	1.3
1215	1.1	1430	1.5	1645	1.5	1845	1.3
1230	1.1	1445	1.5				

TABLE 5.--Continued

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 26, 1980							
1030	5.0	1300	6.7	1530	9.9	1800	7.8
1045	5.0	1315	6.7	1545	9.7	1815	7.6
1100	5.0	1330	6.9	1600	9.5	1830	7.6
1115	5.0	1345	6.9	1615	9.3	1845	7.4
1130	5.3	1400	6.9	1630	9.1	1900	7.4
1145	5.3	1415	6.9	1645	8.8	1915	7.3
1200	5.3	1430	9.1	1700	8.6	1930	7.3
1215	5.7	1445	11	1715	8.4	1945	7.1
1230	6.0	1500	10	1730	8.2	2000	7.1
1245	6.2	1515	10	1745	8.0	2015	6.9
MARCH 26, 1981							
1130	6.9	1415	12	1645	25	1915	16
1145	6.9	1430	13	1700	25	1930	16
1200	6.9	1445	13	1715	24	1945	16
1215	6.9	1500	14	1730	23	2000	15
1230	7.3	1515	14	1745	22	2015	13
1245	7.3	1530	15	1800	21	2030	11
1300	7.3	1545	16	1815	19	2045	9.1
1315	7.8	1600	25	1830	18	2100	7.8
1330	8.2	1615	27	1845	18	2115	6.0
1345	9.1	1630	26	1900	17	2130	4.7
1400	11						
MARCH 29-30, 1981							
1800	8.7	2130	12	0045	41	0415	32
1815	9.1	2145	12	0100	39	0430	31
1830	8.7	2200	12	0115	37	0445	30
1845	9.1	2215	14	0130	36	0500	27
1900	9.1	2230	16	0145	35	0515	26
1915	9.6	2245	22	0200	33	0530	24
1930	9.6	2300	23	0215	32	0545	21
1945	9.6	2315	23	0230	31	0600	20
2000	10	2330	23	0245	31	0615	18
2015	10	2345	26	0300	31	0630	17
2030	11	2400	46	0315	31	0645	15
2045	11			0330	32	0700	14
2100	11	0015	47	0345	33	0715	13
2115	11	0030	44	0400	32		

TABLE 5.--Continued

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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APRIL 2-3, 1981

1600	6.4	2015	6.0	0015	21	0415	15
1615	6.0	2030	6.4	0030	21	0430	15
1630	5.5	2045	6.4	0045	20	0445	15
1645	4.7	2100	6.4	0100	18	0500	15
1700	4.2	2115	9.1	0115	16	0515	14
1715	4.2	2130	13	0130	14	0530	14
1730	3.9	2145	14	0145	16	0545	14
1745	3.5	2200	16	0200	17	0600	13
1800	3.5	2215	16	0215	18	0615	13
1815	4.7	2230	17	0230	18	0630	13
1830	6.9	2245	17	0245	19	0645	12
1845	8.7	2300	16	0300	19	0700	12
1900	8.2	2315	16	0315	18	0715	11
1915	7.3	2330	15	0330	17	0730	11
1930	6.9	2345	17	0345	16	0745	11
1945	6.0	2400	20	0400	16	0800	10
2000	6.0						

MAY 2-3, 1981

2345	163	0230	297	0530	290	0830	248
2400	159	0245	314	0545	286	0845	238
		0300	316	0600	285	0900	234
0015	161	0315	330	0615	279	0915	228
0030	163	0330	331	0630	272	0930	222
0045	163	0345	334	0645	262	0945	218
0100	163	0400	333	0700	257	1000	216
0115	174	0415	328	0715	255	1015	214
0130	226	0430	325	0730	257	1030	212
0145	246	0445	320	0745	259	1045	206
0200	248	0500	312	0800	255	1100	202
0215	255	0515	302	0815	253	1115	204

MAY 8, 1981

0615	50	0900	81	1145	120	1415	84
0630	50	0915	76	1200	120	1430	83
0645	54	0930	75	1215	115	1445	79
0700	55	0945	83	1230	108	1500	78
0715	56	1000	102	1245	103	1515	76
0730	55	1015	102	1300	97	1530	74

TABLE 5.--Continued

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 8, 1981--CONTINUED

0745	54	1030	92	1315	93	1545	73
0800	56	1045	87	1330	90	1600	70
0815	75	1100	80	1345	88	1615	69
0830	87	1115	92	1400	87	1630	67
0845	88	1130	123				

MAY 10-11, 1981

2200	43	2330	53	0045	56	0215	67
2215	42	2345	56	0100	57	0230	63
2230	42	2400	59	0115	67	0245	63
2245	42			0130	76	0300	62
2300	45	0015	60	0145	79	0315	58
2315	52	0030	58	0200	73		

MAY 15-16, 1981

0530	53	1415	146	2300	73	0730	120
0545	53	1430	164	2315	76	0745	117
0600	53	1445	183	2330	80	0800	116
0615	53	1500	187	2345	89	0815	113
0630	53	1515	187	2400	107	0830	111
0645	53	1530	177			0845	109
0700	57	1545	183	0015	149	0900	107
0715	65	1600	200	0030	174	0915	105
0730	73	1615	206	0045	172	0930	103
0745	70	1630	193	0100	166	0945	101
0800	73	1645	174	0115	168	1000	101
0815	83	1700	161	0130	170	1015	102
0830	95	1715	149	0145	177	1030	107
0845	105	1730	141	0200	172	1045	114
0900	105	1745	134	0215	166	1100	117
0915	110	1800	128	0230	162	1115	122
0930	103	1815	120	0245	164	1130	123
0945	99	1930	116	0300	162	1145	122
1000	95	1845	111	0315	155	1200	120
1015	92	1900	107	0330	146	1215	122
1030	90	1915	103	0345	141	1230	122
1045	88	1930	99	0400	141	1245	120
1100	87	1945	90	0415	136	1300	117
1115	86	2000	88	0430	131	1315	114

TABLE 5.--Continued

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981--CONTINUED

1130	86	2015	87	0445	127	1330	113
1145	89	2030	84	0500	125	1345	113
1200	89	2045	82	0515	123	1400	111
1215	88	2100	77	0530	125	1415	109
1230	90	2115	75	0545	127	1430	107
1245	110	2130	73	0600	128	1445	105
1300	125	2145	72	0615	128	1500	103
1315	130	2200	72	0630	127	1515	102
1330	131	2215	72	0645	125	1530	101
1345	139	2230	71	0700	123	1545	99
1400	139	2245	72	0715	120	1600	93

MAY 20, 1981

0530	60	0915	70	1300	86	1630	92
0545	61	0930	71	1315	84	1645	92
0600	61	0945	71	1330	86	1700	92
0615	62	1000	72	1345	88	1715	92
0630	62	1015	72	1400	93	1730	93
0645	62	1030	74	1415	95	1745	92
0700	63	1045	75	1430	93	1800	93
0715	63	1100	78	1445	93	1815	94
0730	64	1115	82	1500	94	1830	94
0745	64	1130	82	1515	95	1845	93
0800	65	1145	81	1530	97	1900	92
0815	67	1200	81	1545	95	1915	90
0830	70	1215	83	1600	94	1930	90
0845	69	1230	86	1615	93	1945	89
0900	70	1245	87				

MAY 21, 1981

0115	87	0400	89	0630	114	0900	143
0130	87	0415	89	0645	130	0915	138
0145	87	0430	90	0700	149	0930	134
0200	88	0445	92	0715	155	0945	131
0215	88	0500	93	0730	159	1000	128
0230	89	0515	95	0745	161	1015	127
0245	89	0530	105	0800	161	1030	123
0300	89	0545	114	0815	157	1045	122
0315	89	0600	122	0830	151	1100	120

TABLE 5.--Continued

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 21, 1981--CONTINUED

0330	88	0615	119	0845	146	1115	119
0345	88						

JUNE 2-3, 1981

1615	248	2245	363	0500	361	1115	346
1630	250	2300	366	0515	360	1130	346
1645	253	2315	369	0530	360	1145	348
1700	255	2330	372	0545	361	1200	354
1715	259	2345	372	0600	360	1215	355
1730	260	2400	375	0615	357	1230	355
1745	262			0630	357	1245	355
1800	274	0015	378	0645	355	1300	354
1815	279	0030	376	0700	355	1315	353
1830	274	0045	375	0715	354	1330	349
1845	272	0100	375	0730	355	1345	348
1900	277	0115	373	0745	355	1400	347
1915	277	0130	373	0800	354	1415	344
1930	279	0145	372	0815	353	1430	343
1945	280	0200	371	0830	352	1445	340
2000	288	0215	370	0845	351	1500	338
2015	304	0230	369	0900	351	1515	335
2030	316	0245	369	0915	349	1530	336
2045	324	0300	368	0930	349	1545	334
2100	333	0315	368	0945	348	1600	334
2115	348	0330	368	1000	346	1615	333
2130	358	0345	366	1015	345	1630	332
2145	363	0400	363	1030	344	1645	331
2200	365	0415	362	1045	343	1700	329
2215	364	0430	363	1100	344	1715	328
2230	362	0445	362				

TABLE 5.--Continued

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
SEPTEMBER 5, 1981							
1030	45	1245	43	1500	159	1700	83
1045	45	1300	43	1515	128	1715	81
1100	45	1315	44	1530	113	1730	80
1115	45	1330	70	1545	105	1745	80
1130	45	1345	113	1600	99	1800	79
1145	45	1400	101	1615	89	1815	75
1200	45	1415	79	1630	87	1830	72
1215	44	1430	161	1645	84	1845	71
1230	43	1445	209				

TABLE 5.--Continued

10168499 BIG COTTONWOOD CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 26, 1980							
1030	28	1315	28	1600	29	1830	29
1045	28	1330	28	1615	29	1845	29
1100	28	1345	28	1630	29	1900	29
1115	28	1400	28	1645	29	1915	29
1130	28	1415	28	1700	29	1930	29
1145	28	1430	28	1715	29	1945	29
1200	28	1445	29	1730	29	2000	29
1215	28	1500	29	1745	29	2015	29
1230	28	1515	29	1800	29	2030	29
1245	28	1530	29	1815	29	2045	29
1300	28	1545	29				
MARCH 26, 1981							
1100	26	1400	27	1700	28	2000	28
1115	26	1415	27	1715	28	2015	28
1130	26	1430	27	1730	28	2030	28
1145	26	1445	27	1745	28	2045	28
1200	26	1500	27	1800	28	2100	28
1215	27	1515	27	1815	28	2115	28
1230	27	1530	27	1830	28	2130	28
1245	27	1545	27	1845	28	2145	28
1300	27	1600	27	1900	28	2200	28
1315	27	1615	27	1915	28	2215	28
1330	27	1630	27	1930	28	2230	28
1345	27	1645	28	1945	28		
MARCH 29-30, 1981							
2030	30	2300	34	0115	35	0345	37
2045	31	2315	34	0130	35	0400	36
2100	32	2330	35	0145	35	0415	36
2115	32	2345	35	0200	35	0430	36
2130	33	2400	35	0215	35	0445	36
2145	33			0230	31	0500	36
2200	34	0015	35	0245	28	0515	36
2215	34	0030	35	0300	27	0530	36
2230	34	0045	35	0315	41	0545	36
2245	34	0100	35	0330	41	0600	35

TABLE 5.--Continued

10168499 BIG COTTONWOOD CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
APRIL 2-3, 1981							
1615	30	1945	33	2300	34	0200	34
1630	30	2000	33	2315	34	0215	34
1645	30	2015	33	2330	34	0230	34
1700	30	2030	33	2345	34	0245	34
1715	31	2045	33	2400	34	0300	34
1730	31	2100	33			0315	34
1745	31	2115	34	0015	34	0330	34
1800	31	2130	34	0030	34	0345	34
1815	31	2145	34	0045	34	0400	34
1830	32	2200	34	0100	34	0415	34
1845	32	2215	34	0115	34	0430	34
1900	32	2230	34	0130	34	0445	34
1915	32	2245	34	0145	34	0500	34
1930	32						
MAY 2-3, 1981							
2330	203	0245	235	0615	226	0945	215
2345	206	0300	237	0630	226	1000	215
2400	206	0315	237	0645	224	1015	213
		0330	237	0700	222	1030	211
0015	211	0345	235	0715	222	1045	211
0030	213	0400	234	0730	220	1100	210
0045	213	0415	233	0745	220	1115	210
0100	215	0430	231	0800	220	1130	210
0115	217	0445	229	0815	220	1145	210
0130	218	0500	229	0830	218	1200	210
0145	224	0515	229	0845	217	1215	208
0200	228	0530	229	0900	217	1230	208
0215	231	0545	228	0915	215	1245	208
0230	233	0600	228	0930	215		
MAY 8, 1981							
0630	103	0915	106	1200	105	1445	102
0645	103	0930	106	1215	105	1500	101
0700	103	0945	106	1230	105	1515	101
0715	103	1000	106	1245	105	1530	101
0730	103	1015	106	1300	105	1545	101
0745	105	1030	106	1315	102	1600	101
0800	105	1045	106	1330	102	1615	101

TABLE 5.--Continued

10168499 BIG COTTONWOOD CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 8, 1981--CONTINUED

0815	105	1100	106	1345	102	1630	101
0830	105	1115	106	1400	102	1645	101
0845	106	1130	106	1415	102	1700	101
0900	106	1145	106	1430	102	1715	101

MAY 10-11, 1981

2230	98	0030	128	0230	119	0430	116
2245	101	0045	126	0245	117	0445	116
2300	106	0100	125	0300	117	0500	116
2315	115	0115	123	0315	117	0515	116
2330	122	0130	122	0330	117	0530	115
2345	123	0145	120	0345	116	0545	115
2400	126	0200	120	0400	116	0600	115
		0215	119	0415	116	0615	115
0015	128						

MAY 15-16, 1981

0630	108	1500	117	2330	116	0730	119
0645	109	1515	119	2345	117	0745	119
0700	112	1530	119	2400	117	0800	119
0715	113	1545	119			0815	119
0730	113	1600	119	0015	117	0830	119
0745	113	1615	119	0030	117	0845	119
0800	113	1630	119	0045	117	0900	119
0815	112	1645	119	0100	117	0915	119
0830	112	1700	119	0115	117	0930	120
0845	110	1715	119	0130	117	0945	120
0900	110	1730	119	0145	117	1000	120
0915	109	1745	119	0200	117	1015	120
0930	109	1800	119	0215	117	1030	120
0945	109	1815	117	0230	117	1045	120
1000	109	1830	117	0245	117	1100	120
1015	109	1845	117	0300	117	1115	120
1030	109	1900	117	0315	119	1130	120
1045	109	1915	117	0330	119	1145	120
1100	109	1930	117	0345	119	1200	120
1115	109	1945	117	0400	119	1215	120
1130	110	2000	117	0415	119	1230	120
1145	110	2015	116	0430	119	1245	119

TABLE 5.--Continued

10168499 BIG COTTONWOOD CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME							
TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 15-16, 1981--CONTINUED							
1200	112	2030	116	0445	119	1300	119
1215	112	2045	116	0500	119	1315	119
1230	113	2100	116	0515	119	1330	119
1245	113	2115	115	0530	119	1345	119
1300	113	2130	115	0545	119	1400	119
1315	115	2145	115	0600	119	1415	119
1330	116	2200	115	0615	119	1430	119
1345	116	2215	115	0630	119	1445	119
1400	116	2230	115	0645	119	1500	119
1415	117	2245	115	0700	119	1515	119
1430	117	2300	116	0715	119	1530	119
1445	117	2315	116				
MAY 20, 1981							
0545	132	0900	137	1215	143	1515	146
0600	132	0915	137	1230	143	1530	146
0615	132	0930	137	1245	143	1545	144
0630	134	0945	137	1300	144	1600	144
0645	135	1000	137	1315	144	1615	144
0700	137	1015	137	1330	146	1630	144
0715	137	1030	137	1345	146	1645	144
0730	137	1045	137	1400	146	1700	144
0745	137	1100	137	1415	146	1715	144
0800	137	1115	138	1430	146	1730	144
0815	137	1130	138	1445	146	1745	144
0830	137	1145	140	1500	146	1800	144
0845	137	1200	141				
MAY 21, 1981							
0115	140	0400	140	0630	147	0900	147
0130	140	0415	141	0645	147	0915	147
0145	140	0430	143	0700	147	0930	147
0200	140	0445	144	0715	147	0945	147
0215	140	0500	146	0730	147	1000	147
0230	140	0515	146	0745	147	1015	147
0245	140	0530	147	0800	147	1030	147
0300	140	0545	147	0815	147	1045	147
0315	140	0600	147	0830	147	1100	147
0330	140	0615	147	0845	147	1115	147
0345	140						

TABLE 5.--Continued

10168499 BIG COTTONWOOD CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JUNE 2, 1981							
1500	261	1715	261	1930	424	2145	387
1515	261	1730	261	1945	462	2200	369
1530	261	1745	267	2000	440	2215	367
1545	261	1800	271	2015	424	2230	371
1600	261	1815	273	2030	401	2245	369
1615	261	1830	279	2045	392	2300	369
1630	261	1845	281	2100	385	2315	365
1645	261	1900	281	2115	382	2330	365
1700	261	1915	293	2130	385	2345	367
SEPTEMBER 5, 1981							
0945	30	1200	30	1415	31	1615	47
1000	30	1215	30	1430	34	1630	44
1015	30	1230	30	1445	35	1645	43
1030	30	1245	30	1500	33	1700	42
1045	30	1300	31	1515	32	1715	40
1100	30	1315	31	1530	44	1730	41
1115	30	1330	31	1545	44	1745	42
1130	30	1345	31	1600	46	1800	40
1145	30	1400	31				
SEPTEMBER 6, 1981							
0530	37	0800	36	1030	36	1300	36
0545	37	0815	36	1045	36	1315	36
0600	37	0830	36	1100	36	1330	36
0615	37	0845	36	1115	36	1345	36
0630	37	0900	36	1130	36	1400	36
0645	37	0915	36	1145	36	1415	36
0700	36	0930	36	1200	36	1430	36
0715	36	0945	36	1215	36	1445	36
0730	36	1000	36	1230	36	1500	36
0745	36	1015	36	1245	36		

TABLE 5.--Continued

10168840 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JULY 1, 1980							
1730	1.2	1830	48	1930	24	2025	42
1735	1.2	1835	37	1935	24	2030	28
1740	1.2	1840	28	1940	23	2035	20
1745	1.2	1845	19	1945	22	2040	14
1750	1.7	1850	17	1950	36	2045	8.6
1755	2.2	1855	15	1955	52	2050	7.2
1800	2.6	1900	14	2000	68	2055	6.0
1805	8.4	1905	26	2005	69	2100	4.8
1810	15	1910	40	2010	69	2105	3.2
1815	22	1915	53	2015	70	2110	1.7
1820	31	1920	43	2020	55	2115	0.19
1825	39	1925	34				
OCTOBER 26, 1980							
1035	0.89	1130	1.8	1225	10	1315	8.4
1040	0.89	1135	4.1	1230	13	1320	7.8
1045	0.89	1140	4.8	1235	13	1325	7.2
1050	0.89	1145	6.5	1240	12	1330	6.2
1055	0.89	1150	6.6	1245	9.0	1335	5.6
1100	1.0	1155	7.2	1250	9.8	1340	4.7
1105	1.1	1200	8.5	1255	9.1	1345	4.1
1110	1.2	1205	7.9	1300	9.5	1350	3.5
1115	1.2	1210	10	1305	8.8	1355	3.4
1120	1.3	1215	9.8	1310	8.6	1400	2.4
1125	1.7	1220	10				
MARCH 26, 1981							
1110	1.9	1315	16	1520	13	1725	19
1115	1.9	1320	15	1525	14	1730	17
1120	1.9	1325	17	1530	14	1735	15
1125	1.9	1330	23	1535	15	1740	14
1130	1.9	1335	30	1540	16	1745	14
1135	1.9	1340	29	1545	15	1750	13
1140	1.9	1345	29	1550	16	1755	12
1145	1.9	1350	29	1555	15	1800	12
1150	1.9	1355	29	1600	13	1805	11
1155	6.5	1400	32	1605	12	1810	9.7
1200	5.9	1405	30	1610	13	1815	9.2
1205	8.8	1410	28	1615	13	1820	9.0

TABLE 5.--Continued

10168840 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26, 1981--CONTINUED

1210	12	1415	28	1620	14	1825	7.9
1215	12	1420	27	1625	16	1830	7.5
1220	16	1425	25	1630	18	1835	6.5
1225	16	1430	22	1635	20	1840	6.6
1230	18	1435	22	1640	21	1845	6.3
1235	19	1440	20	1645	21	1850	6.4
1240	22	1445	18	1650	19	1855	5.4
1245	25	1450	17	1655	19	1900	5.7
1250	28	1455	15	1700	17	1905	5.6
1255	25	1500	15	1705	18	1910	5.3
1300	22	1505	14	1710	20	1915	5.3
1305	19	1510	13	1715	20	1920	4.9
1310	15	1515	13	1720	19	1925	4.5

MARCH 29-30, 1981

2045	1.6	2230	50	0010	29	0155	13
2050	1.6	2235	42	0015	28	0200	12
2055	1.6	2240	36	0020	26	0205	11
2100	2.7	2245	33	0025	25	0210	10
2105	2.7	2250	29	0030	22	0215	9.5
2110	2.7	2255	28	0035	24	0220	8.6
2115	2.7	2300	28	0040	20	0225	8.2
2120	3.1	2305	27	0045	21	0230	8.1
2125	6.1	2310	27	0050	22	0235	7.8
2130	6.9	2315	27	0055	21	0240	7.5
2135	6.7	2320	28	0100	20	0245	7.5
2140	7.4	2325	28	0105	19	0250	6.8
2145	9.0	2330	28	0110	20	0255	6.6
2150	17	2335	29	0115	19	0300	6.7
2155	18	2340	29	0120	17	0305	6.8
2200	39	2345	28	0125	16	0310	6.3
2205	36	2350	27	0130	16	0315	5.9
2210	34	2355	28	0135	17	0320	5.8
2215	27	2400	29	0140	15	0325	5.8
2220	28			0145	13	0330	5.5
2225	51	0005	28	0150	13	0335	5.3

TABLE 5.--Continued

10168840 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
APRIL 2-3, 1981							
1625	1.2	1910	4.5	2155	19	0035	20
1630	1.2	1915	4.8	2200	18	0040	18
1635	1.2	1920	4.4	2205	17	0045	17
1640	1.2	1925	4.3	2210	16	0050	16
1645	1.2	1930	4.5	2215	16	0055	15
1650	1.2	1935	4.6	2220	15	0100	15
1655	1.4	1940	4.4	2225	15	0105	13
1700	1.5	1945	4.7	2230	13	0110	12
1705	1.5	1950	4.1	2235	12	0115	11
1710	1.5	1955	3.4	2240	11	0120	11
1715	1.5	2000	4.4	2245	11	0125	9.6
1720	1.5	2005	4.2	2250	10	0130	9.0
1725	2.0	2010	4.5	2255	9.1	0135	9.2
1730	2.1	2015	4.5	2300	8.5	0140	7.9
1735	2.7	2020	4.2	2305	8.2	0145	7.5
1740	3.8	2025	4.7	2310	9.2	0150	7.6
1745	6.7	2030	3.5	2315	11	0155	6.5
1750	13	2035	3.8	2320	12	0200	7.0
1755	20	2040	3.6	2325	15	0205	6.9
1800	22	2045	3.5	2330	18	0210	6.5
1805	20	2050	3.2	2335	21	0215	6.5
1810	21	2055	3.9	2340	22	0220	7.6
1815	18	2100	4.5	2345	24	0225	7.3
1820	14	2105	5.1	2350	24	0230	6.8
1825	14	2110	5.3	2355	22	0235	6.7
1830	13	2115	6.6	2400	19	0240	7.2
1835	11	2120	8.3			0245	6.3
1840	9.6	2125	11	0005	17	0250	6.1
1845	8.0	2130	13	0010	18	0255	5.5
1850	6.5	2135	15	0015	19	0300	5.4
1855	6.2	2140	17	0020	20	0305	4.8
1900	5.3	2145	19	0025	22	0310	4.4
1905	5.2	2150	21	0030	21		
APRIL 11, 1981							
1235	1.5	1310	2.4	1345	9.6	1420	3.5
1240	1.5	1315	5.8	1350	7.6	1425	3.3
1245	1.5	1320	11	1355	6.8	1430	3.1
1250	1.6	1325	11	1400	5.8	1435	3.0
1255	1.6	1330	12	1405	4.8	1440	2.9

TABLE 5.--Continued

10168840 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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APRIL 11, 1981--CONTINUED

1300	1.7	1335	14	1410	4.2	1445	2.7
1305	2.1	1340	11	1415	3.8	1450	2.4

MAY 8, 1981

0630	2.5	0825	17	1020	26	1215	11
0635	2.5	0830	17	1025	27	1220	10
0640	2.5	0835	14	1030	28	1225	9.4
0645	2.5	0840	11	1035	29	1230	8.7
0650	2.5	0845	8.7	1040	30	1235	8.4
0655	2.5	0850	12	1045	28	1240	8.1
0700	2.5	0855	15	1050	27	1245	7.8
0705	2.9	0900	19	1055	26	1250	7.5
0710	3.1	0905	19	1100	24	1255	7.2
0715	3.3	0910	19	1105	24	1300	6.9
0720	3.5	0915	24	1110	23	1305	6.6
0725	3.8	0920	29	1115	23	1310	6.3
0730	4.2	0925	34	1120	22	1315	6.0
0735	9.0	0930	39	1125	24	1320	5.7
0740	14	0935	40	1130	26	1325	5.4
0745	19	0940	40	1135	24	1330	5.1
0750	29	0945	39	1140	22	1335	4.9
0755	41	0950	38	1145	20	1340	4.7
0800	24	0955	37	1150	18	1345	4.5
0805	17	1000	35	1155	16	1350	4.4
0810	10	1005	32	1200	14	1355	4.3
0815	7.0	1010	30	1205	13	1400	4.2
0820	11	1015	28	1210	12		

MAY 10-11, 1981

2225	2.0	2330	14	0030	57	0135	13
2230	2.0	2335	17	0035	65	0140	12
2235	2.0	2340	20	0040	74	0145	11
2240	2.0	2345	24	0045	56	0150	10
2245	2.0	2350	23	0050	38	0155	9.0
2250	2.0	2355	23	0055	20	0200	7.8
2255	2.0	2400	22	0100	8.7	0205	7.5
2300	2.0			0105	7.5	0210	7.2
2305	2.0	0005	28	0110	6.4	0215	6.9
2310	2.0	0010	34	0115	5.3	0220	6.6

TABLE 5.--Continued

10168840 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 10-11, 1981--CONTINUED

2315	2.0	0015	40	0120	4.2	0225	6.3
2320	6.0	0020	46	0125	20	0230	6.0
2325	10	0025	52	0130	14		

MAY 15, 1981

0635	3.9	1100	4.4	1525	75	1950	6.6
0640	4.0	1105	4.4	1530	75	1955	7.4
0645	3.8	1110	4.4	1535	64	2000	7.0
0650	4.3	1115	4.6	1540	54	2005	7.2
0655	6.0	1120	4.6	1545	39	2010	7.6
0700	7.6	1125	4.5	1550	35	2015	6.8
0705	28	1130	4.5	1555	28	2020	7.1
0710	46	1135	4.5	1600	26	2025	7.0
0715	72	1140	11	1605	20	2030	7.0
0720	87	1145	13	1610	20	2035	7.0
0725	97	1150	12	1615	18	2040	7.0
0730	91	1155	11	1620	16	2045	7.0
0735	56	1200	12	1625	14	2050	7.0
0740	39	1205	11	1630	13	2055	7.0
0745	18	1210	9.0	1635	13	2100	6.8
0750	13	1215	7.8	1640	11	2105	6.8
0755	9.9	1220	8.4	1645	12	2110	6.8
0800	19	1225	7.0	1650	12	2115	6.8
0805	15	1230	11	1655	11	2120	6.8
0810	13	1235	19	1700	13	2125	6.8
0815	11	1240	23	1705	11	2130	6.8
0820	9.1	1245	33	1710	9.9	2135	6.8
0825	8.5	1250	35	1715	9.2	2140	6.8
0830	8.3	1255	38	1720	10	2145	6.8
0835	7.4	1300	41	1725	8.3	2150	6.8
0840	7.5	1305	46	1730	8.4	2155	6.3
0845	7.3	1310	42	1735	8.2	2200	7.0
0850	8.1	1315	42	1740	8.5	2205	6.6
0855	7.2	1320	56	1745	7.9	2210	6.5
0900	7.2	1325	63	1750	8.7	2215	8.1
0905	7.2	1330	71	1755	8.3	2220	9.5
0910	7.2	1335	75	1800	8.9	2225	8.7
0915	7.2	1340	72	1805	8.6	2230	11
0920	7.2	1345	68	1810	8.2	2235	12
0925	7.2	1350	63	1815	8.5	2240	14

TABLE 5.--Continued

10168840 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15, 1981--CONTINUED

0930	7.2	1355	62	1820	8.1	2245	17
0935	7.2	1400	60	1825	7.6	2250	21
0940	7.2	1405	57	1830	8.8	2255	33
0945	7.2	1410	50	1835	8.6	2300	50
0950	7.2	1415	40	1840	7.3	2305	56
0955	7.2	1420	39	1845	8.8	2310	56
1000	5.0	1425	35	1850	7.1	2315	59
1005	5.0	1430	37	1855	7.1	2320	57
1010	5.0	1435	43	1900	8.1	2325	58
1015	5.0	1440	46	1905	7.7	2330	55
1020	5.0	1445	61	1910	8.1	2335	54
1025	5.0	1450	73	1915	7.6	2340	52
1030	5.0	1455	79	1920	7.1	2345	45
1035	5.0	1500	88	1925	8.1	2350	39
1040	5.0	1505	92	1930	8.9	2355	37
1045	5.0	1510	109	1935	7.4	2400	41
1050	5.0	1515	95	1940	7.2		
1055	5.0	1520	82	1945	7.1		

MAY 16, 1981

0005	39	0320	11	0635	12	0945	37
0010	38	0325	10	0640	11	0950	37
0015	36	0330	10	0645	9.5	0955	34
0020	35	0335	8.7	0650	8.7	1000	32
0025	42	0340	9.9	0655	8.8	1005	29
0030	57	0345	9.4	0700	8.9	1010	28
0035	74	0350	8.7	0705	8.2	1015	23
0040	65	0355	9.7	0710	9.1	1020	14
0045	77	0400	10	0715	9.6	1025	16
0050	77	0405	10	0720	8.6	1030	17
0055	119	0410	12	0725	8.4	1035	18
0100	108	0415	13	0730	8.3	1040	17
0105	109	0420	14	0735	8.2	1045	16
0110	96	0425	12	0740	7.2	1050	15
0115	86	0430	13	0745	7.4	1055	17
0120	89	0435	14	0750	7.7	1100	18
0125	79	0440	13	0755	8.3	1105	22
0130	48	0445	14	0800	7.1	1110	29
0135	38	0450	14	0805	7.2	1115	30
0140	36	0455	14	0810	7.5	1120	29

TABLE 5.--Continued

10168840 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 16, 1981--CONTINUED

0145	35	0500	13	0815	7.5	1125	25
0150	33	0505	12	0820	7.5	1130	25
0155	30	0510	12	0825	7.5	1135	24
0200	27	0515	11	0830	7.5	1140	23
0205	24	0520	13	0835	7.1	1145	17
0210	23	0525	14	0840	7.1	1150	14
0215	14	0530	14	0845	8.1	1155	14
0220	14	0535	15	0850	8.3	1200	12
0225	11	0540	13	0855	12	1205	12
0230	14	0545	16	0900	17	1210	10
0235	20	0550	16	0905	18	1215	9.7
0240	19	0555	16	0910	19	1220	10
0245	16	0600	15	0915	21	1225	8.0
0250	15	0605	15	0920	23	1230	8.4
0255	15	0610	14	0925	24	1235	8.4
0300	13	0615	13	0930	23	1240	7.9
0305	12	0620	12	0935	26	1245	7.6
0310	11	0625	12	0940	28	1250	6.5
0315	11	0630	12				

MAY 20, 1981

0640	3.9	0855	5.4	1110	4.1	1325	9.3
0645	4.5	0900	5.8	1115	4.2	1330	8.8
0650	4.5	0905	5.7	1120	4.4	1335	13
0655	4.5	0910	6.6	1125	4.7	1340	14
0700	11	0915	7.0	1130	3.8	1345	14
0705	11	0920	6.5	1135	4.1	1350	17
0710	9.6	0925	6.8	1140	4.2	1355	21
0715	9.3	0930	7.9	1145	4.2	1400	23
0720	8.3	0935	7.8	1150	5.0	1405	18
0725	9.7	0940	6.7	1155	5.0	1410	15
0730	9.2	0945	8.3	1200	5.9	1415	14
0735	8.0	0950	7.4	1205	7.7	1420	12
0740	9.0	0955	7.0	1210	11	1425	11
0745	8.6	1000	5.6	1215	14	1430	9.2
0750	7.2	1005	5.4	1220	17	1435	9.0
0755	7.3	1010	6.5	1225	17	1440	8.4

TABLE 5.--Continued

10168840 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATE TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 20, 1981--CONTINUED

0800	6.5	1015	5.3	1230	16	1445	7.6
0805	6.7	1020	5.9	1235	15	1450	6.9
0810	6.5	1025	5.4	1240	14	1455	7.6
0815	5.4	1030	4.9	1245	14	1500	6.7
0820	4.9	1035	5.1	1250	13	1505	6.5
0825	5.4	1040	4.8	1255	13	1510	5.6
0830	5.3	1045	4.7	1300	13	1515	5.5
0835	4.7	1050	4.2	1305	11	1520	4.5
0840	4.6	1055	4.4	1310	9.3	1525	5.0
0845	5.6	1100	4.7	1315	9.0	1530	5.0
0850	5.4	1105	3.8	1320	8.7	1535	4.7

MAY 21, 1981

0435	7.2	0830	7.4	1225	3.5	1620	7.3
0440	9.2	0835	6.8	1230	3.5	1625	7.3
0445	8.7	0840	5.9	1235	3.5	1630	7.3
0450	13	0845	6.1	1240	3.5	1635	7.3
0455	18	0850	6.4	1245	3.5	1640	7.3
0500	18	0855	5.6	1250	3.5	1645	7.3
0505	21	0900	5.8	1255	3.5	1650	7.3
0510	27	0905	5.6	1300	3.2	1655	5.3
0515	33	0910	5.3	1305	3.2	1700	5.6
0520	32	0915	5.1	1310	3.2	1705	5.6
0525	37	0920	4.4	1315	3.2	1710	9.3
0530	45	0925	4.5	1320	3.2	1715	8.8
0535	48	0930	4.5	1325	3.2	1720	18
0540	49	0935	4.2	1330	3.2	1725	18
0545	42	0940	4.5	1335	3.2	1730	15
0550	39	0945	4.5	1340	3.2	1735	13
0555	36	0950	4.5	1345	3.2	1740	12
0600	34	0955	4.5	1350	3.2	1745	11
0605	30	1000	3.6	1355	3.2	1750	8.6
0610	21	1005	3.6	1400	3.5	1755	8.3
0615	20	1010	3.6	1405	3.5	1800	8.6
0620	18	1015	3.6	1410	3.8	1805	7.9
0625	22	1020	3.6	1415	3.8	1810	7.2
0630	21	1025	3.6	1420	3.8	1815	7.2
0635	23	1030	3.6	1425	3.8	1820	7.2
0640	27	1035	3.6	1430	5.2	1825	7.2
0645	27	1040	3.6	1435	5.2	1830	7.2

TABLE 5.--Continued

10168840 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 21, 1981--CONTINUED

0650	27	1045	3.6	1440	5.2	1835	7.2
0655	28	1050	3.6	1445	8.1	1840	5.4
0700	21	1055	3.6	1450	9.1	1845	5.4
0705	18	1100	3.8	1455	11	1850	5.4
0710	17	1105	3.8	1500	12	1855	6.3
0715	15	1110	3.8	1505	15	1900	6.5
0720	13	1115	3.8	1510	13	1905	12
0725	11	1120	3.8	1515	14	1910	13
0730	9.7	1125	3.8	1520	12	1915	13
0735	9.5	1130	3.8	1525	12	1920	16
0740	8.3	1135	3.8	1530	12	1925	20
0745	8.0	1140	3.8	1535	12	1930	19
0750	7.9	1145	3.8	1540	12	1935	14
0755	8.1	1150	3.8	1545	11	1940	12
0800	8.1	1155	3.8	1550	10	1945	11
0805	8.3	1200	3.5	1555	11	1950	9.0
0810	7.5	1205	3.5	1600	8.8	1955	8.7
0815	8.1	1210	3.5	1605	8.1	2000	7.5
0820	7.4	1215	3.5	1610	7.3	2005	7.3
0825	7.4	1220	3.5	1615	7.3		

MAY 25, 1981

1625	5.2	1705	17	1745	25	1825	11
1630	5.2	1710	15	1750	21	1830	9.8
1635	5.2	1715	29	1755	18	1835	10
1640	5.2	1720	30	1800	16	1840	9.2
1645	5.4	1725	30	1805	14	1845	9.7
1650	7.0	1730	36	1810	13	1850	9.0
1655	7.7	1735	29	1815	14	1855	8.9
1700	11	1740	26	1820	13	1900	8.3

MAY 26, 1981

0720	8.8	0800	19	0840	25	0920	13
0725	9.6	0805	21	0845	24	0925	12
0730	12	0810	27	0850	20	0930	12
0735	11	0815	30	0855	21	0935	10
0740	12	0820	27	0900	19	0940	11
0745	11	0825	25	0905	16	0945	9.2
0750	13	0830	25	0910	14	0950	8.6
0755	15	0835	23	0915	14		

TABLE 5.--Continued

10168840 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JUNE 2, 1981							
1900	5.7	2005	48	2110	21	2210	10
1905	5.7	2010	43	2115	18	2215	11
1910	5.7	2015	18	2120	18	2220	9.6
1915	5.7	2020	15	2125	16	2225	11
1920	5.7	2025	15	2130	15	2230	9.8
1925	5.7	2030	17	2135	13	2235	12
1930	5.7	2035	22	2140	12	2240	11
1935	5.7	2040	24	2145	11	2245	11
1940	6.2	2045	20	2150	10	2250	11
1945	6.8	2050	14	2155	11	2255	11
1950	7.6	2055	15	2200	12	2300	11
1955	13	2100	13	2205	11	2305	8.7
2000	21	2105	16				
JUNE 3, 1981							
1015	7.3	1100	35	1140	31	1220	15
1020	9.0	1105	46	1145	29	1225	15
1025	10	1110	53	1150	27	1230	14
1030	12	1115	47	1155	24	1235	11
1035	18	1120	42	1200	22	1240	11
1040	21	1125	41	1205	19	1245	11
1045	31	1130	35	1210	17	1250	10
1050	31	1135	34	1215	16	1255	9.4
1055	33						
JUNE 14, 1981							
0005	17	0255	72	0540	48	0825	19
0010	20	0300	70	0545	41	0830	19
0015	20	0305	69	0550	39	0835	22
0020	22	0310	55	0555	29	0840	36
0025	22	0315	53	0600	30	0845	52
0030	22	0320	52	0605	30	0850	64
0035	31	0325	49	0610	28	0855	61
0040	31	0330	44	0615	28	0900	50
0045	30	0335	40	0620	28	0905	43
0050	30	0340	36	0625	29	0910	36
0055	29	0345	35	0630	28	0915	34
0100	28	0350	36	0635	27	0920	33
0105	28	0355	29	0640	26	0925	30

TABLE 5.--Continued

10168840 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 14, 1981--CONTINUED

0110	23	0400	27	0645	26	0930	29
0115	24	0405	25	0650	25	0935	28
0120	22	0410	23	0655	25	0940	26
0125	19	0415	23	0700	25	0945	25
0130	20	0420	22	0705	23	0950	23
0135	19	0425	22	0710	23	0955	23
0140	17	0430	22	0715	22	1000	23
0145	18	0435	21	0720	21	1005	21
0150	19	0440	19	0725	21	1010	20
0155	21	0445	19	0730	20	1015	18
0200	24	0450	19	0735	19	1020	17
0205	29	0455	22	0740	18	1025	18
0210	37	0500	23	0745	18	1030	18
0215	77	0505	21	0750	17	1035	17
0220	87	0510	25	0755	17	1040	18
0225	59	0515	29	0800	19	1045	16
0230	55	0520	34	0805	16	1050	16
0235	48	0525	46	0810	18	1055	17
0240	48	0530	50	0815	17	1100	17
0245	49	0535	51	0820	17	1105	16
0250	73						

JULY 2, 1981

0750	2.6	0825	12	0900	1.1	0935	8.2
0755	2.2	0830	5.5	0905	1.1	0940	7.2
0800	4.4	0835	3.8	0910	9.1	0945	7.2
0805	8.1	0840	4.6	0915	17	0950	7.2
0810	36	0845	3.7	0920	13	0955	7.2
0815	40	0850	3.7	0925	11	1000	4.3
0820	12	0855	2.6	0930	8.7		

JULY 6, 1981

1435	3.3	1500	7.7	1525	16	1550	14
1440	3.3	1505	7.3	1530	38	1555	12
1445	4.6	1510	7.7	1535	30	1600	11
1450	4.6	1515	9.3	1540	22	1605	9.3
1455	4.2	1520	13	1545	17	1610	8.5

TABLE 5.--Continued

10168840 HOLLADAY DRAIN AT 4800 SOUTH, AT BIG COTTONWOOD CREEK,
NEAR MURRAY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
SEPTEMBER 5, 1981							
1245	0.75	1330	8.2	1415	16	1500	3.3
1250	0.75	1335	35	1420	15	1505	4.7
1255	0.75	1340	32	1425	11	1510	4.5
1300	0.75	1345	35	1430	8.1	1515	4.2
1305	0.75	1350	36	1435	7.8	1520	3.8
1310	1.0	1355	26	1440	5.3	1525	3.6
1315	3.0	1400	24	1445	4.6	1530	3.2
1320	2.8	1405	21	1450	3.6	1535	2.8
1325	6.0	1410	18	1455	2.4	1540	2.6
SEPTEMBER 6, 1981							
0635	1.9	0755	5.1	0915	7.8	1035	8.2
0640	1.9	0800	5.0	0920	8.1	1040	7.3
0645	1.9	0805	4.6	0925	8.4	1045	6.9
0650	1.9	0810	4.6	0930	9.5	1050	6.0
0655	2.1	0815	4.1	0935	10	1055	5.6
0700	2.2	0820	3.7	0940	11	1100	5.4
0705	2.2	0825	3.7	0945	11	1105	5.0
0710	2.5	0830	3.6	0950	11	1110	4.7
0715	2.6	0835	4.1	0955	12	1115	4.4
0720	2.8	0840	4.2	1000	12	1120	4.0
0725	3.3	0845	4.6	1005	11	1125	3.5
0730	3.9	0850	5.8	1010	10	1130	3.3
0735	3.8	0855	6.5	1015	9.9	1135	3.3
0740	4.4	0900	7.3	1020	9.6	1140	2.9
0745	4.5	0905	7.7	1025	8.7	1145	2.7
0750	4.7	0910	7.9	1030	8.1	1150	2.6

TABLE 5.--Continued

10169500 BIG COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 26, 1980							
1030	19	1315	26	1600	31	1830	26
1045	20	1330	32	1615	30	1845	26
1100	20	1345	36	1630	30	1900	26
1115	21	1400	38	1645	29	1915	25
1130	21	1415	39	1700	29	1930	25
1145	21	1430	39	1715	28	1945	24
1200	22	1445	39	1730	27	2000	24
1215	24	1500	37	1745	27	2015	23
1230	25	1515	35	1800	27	2030	23
1245	26	1530	34	1815	26	2045	22
1300	26	1545	32				
MARCH 26, 1981							
1100	20	1400	30	1700	65	2000	52
1115	20	1415	32	1715	63	2015	49
1130	21	1430	33	1730	62	2030	47
1145	21	1445	43	1745	61	2045	44
1200	21	1500	55	1800	61	2100	42
1215	21	1515	59	1815	61	2115	40
1230	21	1530	65	1830	59	2130	39
1245	21	1545	71	1845	60	2145	37
1300	21	1600	72	1900	60	2200	36
1315	23	1615	72	1915	60	2215	35
1330	25	1630	70	1930	58	2230	34
1345	28	1645	67	1945	55		
MARCH 29-30, 1981							
2030	18	2300	30	0115	70	0345	45
2045	18	2315	32	0130	68	0400	43
2100	18	2330	35	0145	67	0415	41
2115	19	2345	40	0200	64	0430	39
2130	19	2400	60	0215	62	0445	37
2145	19			0230	59	0500	35
2200	20	0015	72	0245	56	0515	33
2215	21	0030	78	0300	54	0530	32
2230	25	0045	75	0315	51	0545	30
2245	28	0100	73	0330	49	0600	29

TABLE 5.--Continued

10169500 BIG COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
APRIL 2-3, 1981							
1615	14	1945	19	2300	27	0200	39
1630	14	2000	19	2315	28	0215	39
1645	13	2015	24	2330	29	0230	39
1700	13	2030	29	2345	33	0245	37
1715	13	2045	31	2400	39	0300	35
1730	13	2100	31			0315	33
1745	14	2115	29	0015	41	0330	31
1800	14	2130	28	0030	40	0345	29
1815	14	2145	27	0045	38	0400	27
1830	15	2200	26	0100	36	0415	26
1845	17	2215	26	0115	34	0430	25
1900	17	2230	27	0130	34	0445	24
1915	18	2245	27	0145	37	0500	23
1930	18						
MAY 2-3, 1981							
2330	129	0245	276	0615	328	0945	265
2345	130	0300	290	0630	319	1000	257
2400	132	0315	308	0645	312	1015	254
		0330	334	0700	304	1030	248
0015	150	0345	362	0715	298	1045	245
0030	175	0400	379	0730	294	1100	242
0045	192	0415	394	0745	290	1115	239
0100	196	0430	399	0800	286	1130	237
0115	204	0445	398	0815	284	1145	236
0130	223	0500	390	0830	283	1200	236
0145	238	0515	380	0845	283	1215	232
0200	245	0530	368	0900	281	1230	227
0215	249	0545	353	0915	277	1245	224
0230	260	0600	340	0930	269		
MAY 8, 1981							
0630	76	0915	119	1200	164	1445	118
0645	76	0930	128	1215	161	1500	114
0700	76	0945	130	1230	157	1515	111
0715	76	1000	132	1245	159	1530	108
0730	77	1015	136	1300	157	1545	104
0745	79	1030	141	1315	150	1600	102
0800	82	1045	150	1330	141	1615	100
0815	84	1100	156	1345	133	1630	97

TABLE 5.--Continued

10169500 BIG COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 8, 1981--CONTINUED							
0830	90	1115	160	1400	129	1645	95
0845	91	1130	162	1415	123	1700	91
0900	1002	1145	163	1430	120	1715	89
MAY 10-11, 1981							
2230	61	0030	103	0230	118	0430	98
2245	61	0045	113	0245	112	0445	97
2300	62	0100	121	0300	107	0500	97
2315	64	0115	132	0315	104	0515	95
2330	70	0130	140	0330	102	0530	93
2345	75	0145	141	0345	101	0545	92
2400	80	0200	136	0400	100	0600	90
		0215	126	0415	99	0615	89
0015	89						
MAY 15-16, 1981							
0630	70	1500	208	2330	120	0730	154
0645	71	1515	205	2345	128	0745	151
0700	72	1530	202	2400	139	0800	147
0715	76	1545	201			0815	144
0730	83	1600	208	0015	166	0830	141
0745	86	1615	218	0030	286	0845	138
0800	89	1630	225	0045	202	0900	135
0815	90	1645	219	0100	214	0915	133
0830	104	1700	206	0115	224	0930	131
0845	119	1715	193	0130	233	0945	130
0900	120	1730	179	0145	245	1000	129
0915	114	1745	167	0200	259	1015	132
0930	109	1800	157	0215	265	1030	140
0945	105	1815	150	0230	262	1045	149
1000	101	1830	143	0245	254	1100	156
1015	97	1845	137	0300	243	1115	163
1030	91	1900	132	0315	230	1130	163
1045	89	1915	128	0330	217	1145	160
1100	87	1930	124	0345	205	1200	157
1115	86	1945	121	0400	194	1215	157
1130	85	2000	119	0415	183	1230	160
1145	85	2015	117	0430	175	1245	163
1200	86	2030	116	0445	168	1300	159

TABLE 5.--Continued

10169500 BIG COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981--CONTINUED

1215	88	2045	115	0500	163	1315	153
1230	89	2100	113	0515	160	1330	147
1245	96	2115	112	0530	158	1345	141
1300	104	2130	110	0545	157	1400	137
1315	110	2145	108	0600	156	1415	134
1330	116	2200	107	0615	156	1430	132
1345	123	2215	105	0630	155	1445	130
1400	146	2230	105	0645	155	1500	129
1415	178	2245	107	0700	156	1515	128
1430	196	2300	112	0715	155	1530	126
1445	205	2315	116				

MAY 20, 1981

0545	109	0900	118	1215	119	1515	149
0600	109	0915	117	1230	119	1530	149
0615	109	0930	116	1245	120	1545	146
0630	108	0945	117	1300	121	1600	143
0645	108	1000	118	1315	124	1615	140
0700	108	1015	119	1330	127	1630	137
0715	109	1030	121	1345	131	1645	136
0730	109	1045	122	1400	135	1700	135
0745	109	1100	123	1415	138	1715	134
0800	110	1115	122	1430	140	1730	133
0815	112	1130	121	1445	143	1745	132
0830	114	1145	120	1500	146	1800	131
0845	116	1200	119				

MAY 21, 1981

0115	127	0400	126	0630	177	0900	167
0130	127	0415	127	0645	191	0915	163
0145	127	0430	128	0700	199	0930	160
0200	126	0445	129	0715	201	0945	157
0215	127	0500	130	0730	199	1000	154
0230	127	0515	132	0745	196	1015	152
0245	127	0530	137	0800	193	1030	150
0300	126	0545	143	0815	186	1045	148
0315	127	0600	151	0830	179	1100	147
0330	126	0615	163	0845	172	1115	145
0345	126						

TABLE 5.--Continued

10169500 BIG COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JUNE 2-3, 1981							
1500	217	1800	219	2100	248	2400	427
1515	214	1815	222	2115	263		
1530	215	1830	223	2130	283	0015	436
1545	219	1845	224	2145	301	0030	445
1600	225	1900	229	2200	310	0045	453
1615	223	1915	230	2215	314	0100	450
1630	218	1930	229	2230	332	0115	437
1645	215	1945	226	2245	354	0130	436
1700	215	2000	226	2300	377	0145	432
1715	215	2015	229	2315	394	0200	432
1730	218	2030	232	2330	408	0215	429
1745	219	2045	239	2345	418		
SEPTEMBER 5, 1981							
0945	49	1200	47	1415	124	1615	107
1000	49	1215	47	1430	129	1630	92
1015	49	1230	48	1445	143	1645	80
1030	48	1245	48	1500	178	1700	72
1045	48	1300	49	1515	176	1715	64
1100	48	1315	53	1530	165	1730	58
1115	48	1330	62	1545	143	1745	52
1130	48	1345	91	1600	124	1800	61
1145	47	1400	114				

TABLE 5.--Continued

10169500 BIG COTTONWOOD CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
SEPTEMBER 6, 1981							
0530	41	0800	45	1030	55	1300	66
0545	41	0815	45	1045	57	1315	63
0600	42	0830	45	1100	60	1330	60
0615	42	0845	45	1115	62	1345	58
0630	42	0900	45	1130	67	1400	55
0645	42	0915	46	1145	74	1415	53
0700	42	0930	48	1200	76	1430	52
0715	45	0945	50	1215	75	1445	50
0730	45	1000	52	1230	73	1500	49
0745	45	1015	54	1245	69		

TABLE 5.--Continued

10169999 MILL CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 14, 1980							
1200	8.3	1515	8.9	1815	8.9	2115	9.2
1215	8.3	1530	8.9	1830	8.9	2130	9.2
1230	8.3	1545	8.9	1845	8.9	2145	9.2
1245	8.3	1600	8.9	1900	9.2	2200	9.2
1300	8.3	1615	8.9	1915	9.2	2215	9.2
1315	8.3	1630	8.9	1930	9.2	2230	9.2
1330	8.3	1645	8.9	1945	9.2	2245	9.2
1345	8.3	1700	8.9	2000	9.2	2300	9.2
1400	8.3	1715	8.9	2015	9.2	2315	9.2
1415	8.3	1730	8.9	2030	9.2	2330	9.2
1430	8.9	1745	8.9	2045	9.2	2345	9.2
1445	8.9	1800	8.9	2100	9.2	2400	9.2
1500	8.9						
OCTOBER 15, 1980							
0015	9.2	0615	9.5	1215	9.5	1815	9.5
0030	9.2	0630	9.5	1230	9.5	1830	9.5
0045	9.2	0645	9.5	1245	9.5	1845	9.2
0100	9.2	0700	9.5	1300	9.5	1900	9.2
0115	9.2	0715	9.5	1315	9.5	1915	9.2
0130	9.2	0730	9.5	1330	9.5	1930	9.2
0145	9.2	0745	9.5	1345	9.5	1945	9.2
0200	9.2	0800	9.5	1400	9.5	2000	9.2
0215	9.2	0815	9.5	1415	9.5	2015	9.2
0230	9.2	0830	9.5	1430	9.5	2030	9.2
0245	9.5	0845	9.5	1445	9.5	2045	9.2
0300	9.5	0900	9.5	1500	9.5	2100	9.2
0315	9.5	0915	9.5	1515	9.5	2115	9.2
0330	9.5	0930	9.5	1530	9.5	2130	9.2
0345	9.5	0945	9.5	1545	9.5	2145	9.2
0400	9.5	1000	9.5	1600	9.5	2200	9.2
0415	9.8	1015	9.5	1615	9.5	2215	9.2
0430	9.5	1030	9.5	1630	9.5	2230	9.2
0445	9.5	1045	9.5	1645	9.5	2245	9.2
0500	9.5	1100	9.5	1700	9.5	2300	9.2
0515	9.5	1115	9.5	1715	9.5	2315	9.2
0530	9.5	1130	9.5	1730	9.5	2330	9.2
0545	9.5	1145	9.5	1745	9.5	2345	9.2
0600	9.5	1200	9.5	1800	9.5	2400	9.2

TABLE 5.--Continued

10169999 MILL CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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OCTOBER 16, 1980

0015	9.2	0515	9.2	1015	9.2	1515	9.2
0030	9.2	0530	9.2	1030	9.2	1530	9.2
0045	9.2	0545	9.2	1045	9.2	1545	9.2
0100	9.2	0600	9.2	1100	9.2	1600	9.2
0115	9.2	0615	9.2	1115	9.2	1615	9.2
0130	9.2	0630	9.2	1130	9.2	1630	9.2
0145	9.2	0645	9.2	1145	9.2	1645	9.2
0200	9.2	0700	9.2	1200	9.2	1700	9.2
0215	9.2	0715	9.2	1215	9.2	1715	9.2
0230	9.2	0730	9.2	1230	9.2	1730	9.2
0245	9.2	0745	9.2	1245	9.2	1745	9.2
0300	9.2	0800	9.2	1300	9.2	1800	9.2
0315	9.2	0815	9.2	1315	9.2	1815	9.2
0330	9.2	0830	9.2	1330	9.2	1830	9.2
0345	9.2	0845	9.2	1345	9.2	1845	9.2
0400	9.2	0900	9.2	1400	9.2	1900	9.2
0415	9.2	0915	9.2	1415	9.2	1915	9.2
0430	9.2	0930	9.2	1430	9.2	1930	9.2
0445	9.2	0945	9.2	1445	9.2	1945	9.2
0500	9.2	1000	9.2	1500	9.2	2000	9.2

OCTOBER 26, 1980

0930	8.3	1230	8.3	1530	8.3	1815	8.3
0945	8.3	1245	8.3	1545	8.3	1830	8.3
1000	8.3	1300	8.3	1600	8.3	1845	8.3
1015	8.3	1315	8.3	1615	8.3	1900	8.3
1030	8.3	1330	8.3	1630	8.3	1915	8.3
1045	8.3	1345	8.3	1645	8.3	1930	8.3
1100	8.3	1400	8.3	1700	8.3	1945	8.3
1115	8.3	1415	8.3	1715	8.3	2000	8.3
1130	8.3	1430	8.3	1730	8.3	2015	8.3
1145	8.3	1445	8.3	1745	8.3	2030	8.3
1200	8.3	1500	8.3	1800	8.3	2045	8.3
1215	8.3	1515	8.3				

MARCH 26-27, 1981

1100	6.1	2015	6.9	0515	6.6	1415	6.9
1115	6.4	2030	6.9	0530	6.6	1430	6.9
1130	6.4	2045	6.9	0545	6.6	1445	6.9
1145	6.6	2100	6.9	0600	6.6	1500	6.9

TABLE 5.--Continued

10169999 MILL CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26-27, 1981--CONTINUED

1200	6.6	2115	6.9	0615	6.6	1515	6.9
1215	6.6	2130	6.9	0630	6.6	1530	6.9
1230	6.6	2145	6.9	0645	6.6	1545	6.9
1245	6.6	2200	6.9	0700	6.6	1600	6.9
1300	6.6	2215	6.9	0715	6.6	1615	6.9
1315	6.9	2230	6.9	0730	6.6	1630	6.9
1330	6.9	2245	6.9	0745	6.6	1645	6.9
1345	6.9	2300	6.9	0800	6.6	1700	6.9
1400	6.9	2315	6.9	0815	6.6	1715	6.9
1415	6.9	2330	6.9	0830	6.6	1730	6.9
1430	6.9	2345	6.9	0845	6.9	1745	6.9
1445	6.9	2400	6.9	0900	6.9	1800	6.6
1500	6.9			0915	6.9	1815	6.6
1515	6.9	0015	6.9	0930	6.9	1830	6.6
1530	6.9	0030	6.9	0945	6.9	1845	6.6
1545	6.9	0045	6.9	1000	6.9	1900	6.6
1600	6.9	0100	6.6	1015	6.9	1915	6.6
1615	6.9	0115	6.6	1030	6.9	1930	6.6
1630	6.9	0130	6.6	1045	6.9	1945	6.6
1645	6.9	0145	6.6	1100	6.9	2000	6.6
1700	6.9	0200	6.6	1115	6.9	2015	6.6
1715	6.9	0215	6.6	1130	6.9	2030	6.6
1730	6.9	0230	6.6	1145	6.9	2045	6.6
1745	6.9	0245	6.6	1200	6.9	2100	6.6
1800	6.9	0300	6.6	1215	6.9	2115	6.6
1815	6.9	0315	6.6	1230	6.9	2130	6.6
1830	6.9	0330	6.6	1245	6.9	2145	6.6
1845	6.9	0345	6.6	1300	6.9	2200	6.6
1900	6.9	0400	6.6	1315	6.9	2215	6.4
1915	6.9	0415	6.6	1330	6.9	2230	6.4
1930	6.9	0430	6.6	1345	6.9	2245	6.4
1945	6.9	0445	6.6	1400	6.9	2300	6.4
2000	6.9	0500	6.6				

MARCH 29-30, 1981

1745	6.1	0015	7.7	0700	7.2	1345	7.2
1800	6.1	0030	7.7	0715	7.2	1400	7.2
1815	6.1	0045	7.7	0730	7.2	1415	7.2
1830	6.1	0100	7.7	0745	6.9	1430	7.2
1845	6.4	0115	7.7	0800	6.9	1445	7.2
1900	6.4	0130	7.7	0815	6.9	1500	7.2

TABLE 5.--Continued

10169999 MILL CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MARCH 29-30, 1981--CONTINUED							
1915	6.4	0145	7.7	0830	6.9	1515	6.9
1930	6.4	0200	7.7	0845	6.9	1530	6.9
1945	6.4	0215	7.5	0900	6.9	1545	6.9
2000	6.4	0230	7.5	0915	6.9	1600	6.9
2015	6.4	0245	7.5	0930	6.9	1615	6.9
2030	6.4	0300	7.5	0945	6.9	1630	6.9
2045	6.6	0315	7.5	1000	6.9	1645	6.9
2100	6.6	0330	7.5	1015	6.9	1700	6.9
2115	6.9	0345	7.5	1030	6.9	1715	6.9
2130	6.9	0400	7.5	1045	6.9	1730	6.9
2145	7.2	0415	7.2	1100	6.9	1745	6.9
2200	7.5	0430	7.2	1115	6.9	1800	6.9
2215	7.5	0445	7.2	1130	7.2	1815	6.9
2230	7.7	0500	7.2	1145	7.2	1830	6.9
2245	7.7	0515	7.2	1200	7.2	1845	6.9
2300	7.7	0530	7.2	1215	7.2	1900	6.9
2315	7.7	0545	7.2	1230	7.2	1915	6.9
2330	7.7	0600	7.2	1245	7.2	1930	6.9
2345	7.7	0615	7.2	1300	7.2	1945	6.9
2400	7.7	0630	7.2	1315	7.2	2000	6.9
		0645	7.2	1330	7.2		
APRIL 2-3, 1981							
1630	6.4	2045	7.2	0045	7.5	0445	7.2
1645	6.4	2100	7.2	0100	7.5	0500	7.2
1700	6.4	2115	7.5	0115	7.5	0515	7.2
1715	6.4	2130	7.5	0130	7.5	0530	7.2
1730	6.6	2145	7.5	0145	7.5	0545	7.2
1745	6.9	2200	7.5	0200	7.5	0600	7.2
1800	6.9	2215	7.5	0215	7.5	0615	7.2
1815	6.9	2230	7.5	0230	7.5	0630	6.9
1830	6.9	2245	7.5	0245	7.5	0645	6.9
1845	7.2	2300	7.5	0300	7.5	0700	6.9
1900	7.2	2315	7.5	0315	7.5	0715	6.9
1915	7.2	2330	7.5	0330	7.2	0730	6.9
1930	7.2	2345	7.5	0345	7.2	0745	6.9
1945	7.2	2400	7.5	0400	7.2	0800	6.9
2000	7.2			0415	7.2	0815	6.9
2015	7.2	0015	7.5	0430	7.2	0830	6.9
2030	7.2	0030	7.5				

TABLE 5.--Continued

10169999 MILL CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 2-3, 1981							
2315	14	0330	16	0800	15	1215	14
2330	14	0345	16	0815	15	1230	14
2345	14	0400	16	0830	15	1245	14
2400	15	0415	16	0845	15	1300	14
		0430	17	0900	15	1315	14
0015	14	0445	17	0915	15	1330	14
0030	14	0500	17	0930	15	1345	14
0045	14	0515	17	0945	14	1400	14
0100	14	0530	17	1000	14	1415	14
0115	14	0545	17	1015	14	1430	15
0130	14	0600	16	1030	14	1445	14
0145	14	0615	16	1045	14	1500	14
0200	15	0630	16	1100	14	1515	14
0215	15	0645	16	1115	14	1530	14
0230	16	0700	15	1130	14	1545	14
0245	15	0715	15	1145	14	1600	14
0300	16	0730	15	1200	14	1615	14
0315	16	0745	15				
MAY 8, 1981							
0615	12	1000	13	1330	13	1700	13
0630	12	1015	13	1345	13	1715	13
0645	12	1030	13	1400	13	1730	13
0700	12	1045	13	1415	12	1745	13
0715	12	1100	14	1430	12	1800	13
0730	12	1115	13	1445	12	1815	13
0745	12	1130	13	1500	12	1830	13
0800	12	1145	13	1515	12	1845	13
0815	13	1200	13	1530	12	1900	13
0830	13	1215	13	1545	13	1915	13
0845	13	1230	13	1600	13	1930	13
0900	13	1245	13	1615	13	1945	12
0915	13	1300	13	1630	13	2000	12
0930	13	1315	13	1645	13	2015	12
0945	13						
MAY 10-11, 1981							
2215	12	0100	16	0400	13	0645	13
2230	12	0115	15	0415	13	0700	13
2245	12	0130	15	0430	13	0715	13
2300	12	0145	15	0445	13	0730	13

TABLE 5.--Continued

10169999 MILL CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 10-11, 1981--CONTINUED

2315	13	0200	14	0500	13	0745	13
2330	13	0215	14	0515	13	0800	13
2345	14	0230	14	0530	13	0815	13
2400	14	0245	14	0545	13	0830	13
		0300	14	0600	13	0845	13
0015	14	0315	14	0615	13	0900	12
0030	15	0330	14	0630	13	0915	13
0045	16	0345	13				

MAY 15-16, 1981

0600	12	1500	15	2400	14	0845	13
0615	12	1515	15			0900	14
0630	12	1530	14	0015	14	0915	14
0645	13	1545	14	0030	14	0930	14
0700	13	1600	14	0045	13	0945	14
0715	13	1615	14	0100	13	1000	14
0730	13	1630	14	0115	13	1015	14
0745	14	1645	14	0130	13	1030	14
0800	14	1700	14	0145	13	1045	14
0815	14	1715	14	0200	13	1100	14
0830	14	1730	13	0215	13	1115	14
0845	14	1745	13	0230	13	1130	14
0900	13	1800	13	0245	13	1145	14
0915	13	1815	13	0300	13	1200	14
0930	13	1830	13	0315	13	1215	13
0945	13	1845	13	0330	13	1230	13
1000	13	1900	13	0345	13	1245	13
1015	13	1915	13	0400	13	1300	13
1030	13	1930	13	0415	13	1315	13
1045	13	1945	13	0430	13	1330	13
1100	13	2000	13	0445	13	1345	13
1115	13	2015	13	0500	13	1400	13
1130	13	2030	13	0515	13	1415	13
1145	13	2045	13	0530	13	1430	13
1200	13	2100	13	0545	13	1445	13
1215	14	2115	13	0600	13	1500	13
1230	14	2130	13	0615	13	1515	13
1245	14	2145	13	0630	13	1530	13
1300	14	2200	13	0645	13	1545	13
1315	14	2215	13	0700	13	1600	13
1330	14	2230	13	0715	13	1615	13

TABLE 5.--Continued

10169999 MILL CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 15-16, 1981--CONTINUED							
1345	14	2245	13	0730	13	1630	13
1400	15	2300	13	0745	13	1645	13
1415	15	2315	13	0800	13	1700	13
1430	15	2330	13	0815	13	1715	13
1445	15	2345	14	0830	13	1730	13
MAY 17, 1981							
0100	13	0415	13	0715	13	1015	13
0115	13	0430	13	0730	13	1030	13
0130	13	0445	13	0745	13	1045	13
0145	13	0500	13	0800	13	1100	13
0200	13	0515	13	0815	13	1115	13
0215	13	0530	13	0830	13	1130	13
0230	13	0545	13	0845	13	1145	13
0245	13	0600	13	0900	13	1200	13
0300	13	0615	13	0915	13	1215	13
0315	13	0630	13	0930	13	1230	13
0330	13	0645	13	0945	13	1245	13
0345	13	0700	13	1000	13	1300	13
0400	13						
MAY 20, 1981							
0600	13	1000	14	1400	14	1800	14
0615	13	1015	14	1415	15	1815	14
0630	13	1030	14	1430	15	1830	14
0645	14	1045	14	1445	15	1845	14
0700	14	1100	14	1500	15	1900	14
0715	14	1115	14	1515	15	1915	14
0730	14	1130	14	1530	15	1930	14
0745	14	1145	14	1545	15	1945	14
0800	14	1200	14	1600	14	2000	14
0815	14	1215	14	1615	14	2015	14
0830	14	1230	14	1630	14	2030	14
0845	14	1245	14	1645	14	2045	14
0900	14	1300	14	1700	14	2100	14
0915	14	1315	14	1715	14	2115	14
0930	14	1330	14	1730	14	2130	14
0945	14	1345	14	1745	14	2145	14

TABLE 5.--Continued

10169999 MILL CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 21, 1981							
0115	14	0445	14	0800	15	1115	14
0130	14	0500	14	0815	15	1130	14
0145	14	0515	14	0830	15	1145	14
0200	14	0530	15	0845	15	1200	14
0215	14	0545	15	0900	15	1215	14
0230	14	0600	15	0915	14	1230	14
0245	14	0615	16	0930	14	1245	14
0300	14	0630	16	0945	14	1300	14
0315	14	0645	16	1000	14	1315	14
0330	14	0700	16	1015	14	1330	14
0345	14	0715	16	1030	14	1345	14
0400	14	0730	16	1045	14	1400	14
0415	14	0745	16	1100	14	1415	14
0430	14						
JUNE 2-3, 1981							
1730	25	2345	35	0545	30	1200	30
1745	25	2400	35	0600	30	1215	30
1800	25			0615	30	1230	30
1815	25	0015	35	0630	30	1245	30
1830	25	0030	35	0645	31	1300	30
1845	25	0045	35	0700	30	1315	29
1900	26	0100	34	0715	31	1330	29
1915	26	0115	33	0730	31	1345	28
1930	26	0130	33	0745	30	1400	28
1945	28	0145	32	0800	30	1415	28
2000	28	0200	32	0815	30	1430	28
2015	30	0215	31	0830	30	1445	28
2030	31	0230	31	0845	29	1500	28
2045	31	0245	31	0900	29	1515	28
2100	35	0300	31	0915	29	1530	28
2115	35	0315	31	0930	29	1545	28
2130	36	0330	31	0945	29	1600	28
2145	37	0345	31	1000	29	1615	28
2200	36	0400	31	1015	28	1630	28
2215	36	0415	30	1030	30	1645	28
2230	35	0430	30	1045	29	1700	28
2245	34	0445	30	1100	30	1715	28
2300	34	0500	30	1115	30	1730	28
2315	35	0515	30	1130	30	1745	28
2330	35	0530	30	1145	30		

TABLE 5.--Continued

10169999 MILL CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 14, 1981

0015	18	0400	19	0745	19	1130	19
0030	18	0415	19	0800	18	1145	19
0045	18	0430	19	0815	18	1200	19
0100	18	0445	19	0830	18	1215	19
0115	18	0500	19	0845	18	1230	19
0130	18	0515	19	0900	18	1245	19
0145	18	0530	19	0915	18	1300	19
0200	18	0545	19	0930	19	1315	19
0215	19	0600	19	0945	19	1330	19
0230	18	0615	19	1000	19	1345	19
0245	19	0630	19	1015	19	1400	19
0300	19	0645	19	1030	19	1415	18
0315	19	0700	19	1045	19	1430	18
0330	19	0715	19	1100	19	1445	18
0345	19	0730	18	1115	19		

SEPTEMBER 5, 1981

1115	7.7	1415	8.9	1700	11	1945	11
1130	7.7	1430	9.2	1715	11	2000	11
1145	8.0	1445	13	1730	11	2015	10
1200	8.0	1500	12	1745	11	2030	10
1215	8.0	1515	12	1800	10	2045	10
1230	8.0	1530	11	1815	10	2100	10
1245	8.0	1545	11	1830	10	2115	10
1300	8.0	1600	11	1845	11	2130	10
1315	8.0	1615	11	1900	11	2145	10
1330	8.6	1630	11	1915	11	2200	10
1345	8.9	1645	11	1930	11	2215	10
1400	8.9						

TABLE 5.--Continued

10169999 MILL CREEK (CHANNEL ONLY) NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
SEPTEMBER 6, 1981							
0515	9.5	0815	9.5	1115	9.5	1415	9.5
0530	9.5	0830	9.5	1130	9.5	1430	9.5
0545	9.5	0845	9.5	1145	9.5	1445	9.5
0600	9.5	0900	9.5	1200	9.5	1500	9.5
0615	9.5	0915	9.5	1215	9.5	1515	9.5
0630	9.5	0930	9.5	1230	9.5	1530	9.5
0645	9.5	0945	9.5	1245	9.5	1545	9.5
0700	9.5	1000	9.5	1300	9.5	1600	9.5
0715	9.5	1015	9.5	1315	9.5	1615	9.5
0730	9.5	1030	9.5	1330	9.5	1630	9.5
0745	9.5	1045	9.5	1345	9.5	1645	9.5
0800	9.5	1100	9.5	1400	9.5	1700	9.5

TABLE 5.--Continued

10170250 MILL CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 14, 1980							
1200	18	1515	21	1815	36	2115	27
1215	18	1530	21	1830	38	2130	26
1230	18	1545	21	1845	38	2145	25
1245	18	1600	21	1900	38	2200	24
1300	18	1615	21	1915	37	2215	24
1315	18	1630	21	1930	36	2230	23
1330	18	1645	21	1945	34	2245	23
1345	19	1700	21	2000	33	2300	23
1400	19	1715	23	2015	31	2315	23
1415	19	1730	25	2030	30	2330	23
1430	20	1745	28	2045	29	2345	23
1445	20	1800	34	2100	28	2400	24
1500	21						
OCTOBER 15, 1980							
0015	26	0615	44	1215	23	1815	23
0030	28	0630	42	1230	22	1830	23
0045	31	0645	41	1245	22	1845	22
0100	37	0700	39	1300	21	1900	21
0115	44	0715	38	1315	21	1915	21
0130	52	0730	36	1330	21	1930	20
0145	58	0745	36	1345	21	1945	20
0200	63	0800	34	1400	21	2000	20
0215	65	0815	33	1415	21	2015	19
0230	69	0830	31	1430	22	2030	19
0245	72	0845	30	1445	22	2045	19
0300	73	0900	29	1500	23	2100	18
0315	73	0915	28	1515	23	2115	18
0330	72	0930	27	1530	23	2130	18
0345	69	0945	26	1545	23	2145	17
0400	66	1000	26	1600	23	2200	17
0415	64	1015	25	1615	23	2215	17
0430	60	1030	25	1630	23	2230	17
0445	58	1045	24	1645	23	2245	17
0500	55	1100	24	1700	23	2300	17
0515	52	1115	24	1715	23	2315	17
0530	49	1130	24	1730	23	2330	16
0545	47	1145	24	1745	23	2345	16
0600	45	1200	23	1800	23	2400	16

TABLE 5.--Continued

10170250 MILL CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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OCTOBER 16, 1980

0015	16	0515	28	1015	47	1515	28
0030	16	0530	29	1030	48	1530	27
0045	16	0545	29	1045	49	1545	26
0100	16	0600	29	1100	48	1600	25
0115	16	0615	28	1115	48	1615	24
0130	17	0630	28	1130	47	1630	24
0145	17	0645	28	1145	46	1645	23
0200	17	0700	28	1200	45	1700	23
0215	17	0715	28	1215	43	1715	22
0230	18	0730	29	1230	42	1730	21
0245	19	0745	29	1245	40	1745	21
0300	19	0800	29	1300	39	1800	20
0315	20	0815	30	1315	37	1815	20
0330	21	0830	31	1330	36	1830	20
0345	21	0845	33	1345	34	1845	19
0400	23	0900	35	1400	34	1900	19
0415	24	0915	37	1415	32	1915	19
0430	25	0930	39	1430	31	1930	19
0445	26	0945	42	1445	30	1945	18
0500	28	1000	45	1500	29	2000	18

OCTOBER 26, 1980

0930	15	1230	17	1530	23	1815	23
0945	15	1245	17	1545	24	1830	23
1000	15	1300	17	1600	25	1845	22
1015	15	1315	18	1615	25	1900	21
1030	15	1330	18	1630	26	1915	21
1045	15	1345	19	1645	26	1930	21
1100	15	1400	19	1700	26	1945	20
1115	15	1415	20	1715	25	2000	20
1130	15	1430	20	1730	25	2015	20
1145	16	1445	21	1745	24	2030	19
1200	16	1500	21	1800	24	2045	19
1215	16	1515	23				

MARCH 26-27, 1981

1100	17	2015	42	0515	32	1415	35
1115	17	2030	41	0530	32	1430	34
1130	17	2045	39	0545	32	1445	34
1145	17	2100	38	0600	32	1500	34

TABLE 5.--Continued

10170250 MILL CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26-27, 1981--CONTINUED

1200	17	2115	36	0615	32	1515	34
1215	18	2130	34	0630	32	1530	34
1230	18	2145	33	0645	32	1545	33
1245	18	2200	32	0700	32	1600	33
1300	18	2215	31	0715	33	1615	33
1315	18	2230	30	0730	33	1630	33
1330	19	2245	29	0745	33	1645	33
1345	20	2300	28	0800	33	1700	33
1400	22	2315	28	0815	33	1715	33
1415	23	2330	28	0830	34	1730	33
1430	24	2345	27	0845	34	1745	33
1445	26	2400	27	0900	34	1800	33
1500	30			0915	35	1815	33
1515	35	0015	27	0930	34	1830	32
1530	40	0030	26	0945	34	1845	31
1545	45	0045	26	1000	34	1900	31
1600	49	0100	26	1015	34	1915	29
1615	52	0115	26	1030	34	1930	29
1630	55	0130	26	1045	34	1945	28
1645	55	0145	26	1100	35	2000	27
1700	57	0200	26	1115	35	2015	26
1715	58	0215	26	1130	36	2030	26
1730	58	0230	26	1145	36	2045	25
1745	57	0245	26	1200	36	2100	24
1800	56	0300	27	1215	37	2115	24
1815	55	0315	28	1230	37	2130	24
1830	53	0330	29	1245	38	2145	23
1845	52	0345	29	1300	38	2200	23
1900	50	0400	30	1315	37	2215	22
1915	48	0415	31	1330	36	2230	22
1930	47	0430	31	1345	36	2245	21
1945	45	0445	31	1400	36	2300	21
2000	44	0500	32				

MARCH 29-30, 1981

1745	17	0015	34	0700	26	1345	27
1800	17	0030	39	0715	26	1400	28
1815	16	0045	45	0730	26	1415	28
1830	18	0100	50	0745	28	1430	29
1845	18	0115	55	0800	28	1445	29
1900	18	0130	57	0815	28	1500	29

TABLE 5.--Continued

10170250 MILL CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 29-30, 1981--CONTINUED

1915	18	0145	57	0830	28	1515	29
1930	17	0200	58	0845	28	1530	29
1945	17	0215	57	0900	29	1545	29
2000	17	0230	55	0915	30	1600	29
2015	17	0245	54	0930	31	1615	29
2030	17	0300	52	0945	31	1630	28
2045	17	0315	50	1000	31	1645	28
2100	18	0330	48	1015	31	1700	26
2115	18	0345	45	1030	31	1715	26
2130	18	0400	43	1045	30	1730	25
2145	19	0415	41	1100	30	1745	24
2200	19	0430	39	1115	29	1800	23
2215	20	0445	37	1130	29	1815	23
2230	20	0500	35	1145	28	1830	23
2245	22	0515	34	1200	28	1845	23
2300	24	0530	32	1215	28	1900	23
2315	26	0545	31	1230	27	1915	22
2330	27	0600	30	1245	26	1930	22
2345	28	0615	29	1300	26	1945	21
2400	30	0630	28	1315	26	2000	21
		0645	27	1330	26		

APRIL 2-3, 1981

1630	18	2045	29	0045	36	0445	28
1645	18	2100	29	0100	36	0500	26
1700	18	2115	29	0115	36	0515	26
1715	18	2130	29	0130	36	0530	25
1730	18	2145	29	0145	36	0545	24
1745	19	2200	29	0200	36	0600	24
1800	19	2215	29	0215	36	0615	23
1815	19	2230	29	0230	35	0630	23
1830	20	2245	30	0245	34	0645	23
1845	20	2300	31	0300	34	0700	22
1900	21	2315	31	0315	32	0715	21
1915	23	2330	33	0330	31	0730	21
1930	25	2345	34	0345	31	0745	21
1945	27	2400	35	0400	29	0800	21
2000	29			0415	29	0815	20
2015	29	0015	36	0430	28	0830	20
2030	29	0030	36				

TABLE 5.--Continued

10170250 MILL CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 2-3, 1981							
2315	16	0330	94	0800	50	1215	34
2330	16	0345	97	0815	48	1230	34
2345	16	0400	102	0830	46	1245	34
2400	17	0415	104	0845	46	1300	33
		0430	105	0900	45	1315	33
0015	18	0445	105	0915	42	1330	32
0030	20	0500	104	0930	40	1345	32
0045	21	0515	102	0945	39	1400	31
0100	24	0530	98	1000	39	1415	31
0115	28	0545	96	1015	39	1430	30
0130	35	0600	95	1030	38	1445	29
0145	43	0615	92	1045	38	1500	29
0200	51	0630	87	1100	36	1515	28
0215	58	0645	80	1115	36	1530	28
0230	65	0700	73	1130	36	1545	28
0245	73	0715	66	1145	35	1600	27
0300	80	0730	58	1200	34	1615	27
0315	88	0745	53				
MAY 8, 1981							
0615	29	1000	45	1330	78	1700	45
0630	29	1015	51	1345	76	1715	43
0645	29	1030	55	1400	75	1730	42
0700	29	1045	59	1415	72	1745	42
0715	29	1100	64	1430	68	1800	40
0730	31	1115	68	1445	65	1815	39
0745	31	1130	73	1500	64	1830	38
0800	31	1145	77	1515	61	1845	36
0815	32	1200	80	1530	58	1900	36
0830	34	1215	82	1545	55	1915	35
0845	35	1230	81	1600	52	1930	35
0900	35	1245	80	1615	50	1945	35
0915	36	1300	79	1630	48	2000	34
0930	38	1315	79	1645	46	2015	34
0945	41						
MAY 10-11, 1981							
2215	29	0100	49	0400	61	0645	39
2230	29	0115	52	0415	57	0700	39
2245	29	0130	56	0430	54	0715	39
2300	30	0145	60	0445	51	0730	38

TABLE 5.--Continued

10170250 MILL CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 10-11, 1981--CONTINUED

2315	30	0200	64	0500	48	0745	38
2330	31	0215	67	0515	46	0800	38
2345	33	0230	69	0530	45	0815	38
2400	35	0245	71	0545	43	0830	37
		0300	70	0600	42	0845	37
0015	39	0315	69	0615	42	0900	36
0030	42	0330	67	0630	40	0915	36
0045	46	0345	64				

MAY 15-16, 1981

0600	31	1500	92	2400	57	0845	52
0615	31	1515	101			0900	51
0630	31	1530	108	0015	60	0915	50
0645	31	1545	112	0030	65	0930	49
0700	32	1600	116	0045	73	0945	48
0715	33	1615	117	0100	81	1000	47
0730	34	1630	118	0115	89	1015	47
0745	35	1645	118	0130	98	1030	48
0800	37	1700	117	0145	106	1045	49
0815	39	1715	115	0200	111	1100	50
0830	41	1730	113	0215	116	1115	50
0845	42	1745	109	0230	119	1130	50
0900	45	1800	105	0245	123	1145	50
0915	48	1815	97	0300	125	1200	52
0930	52	1830	89	0315	125	1215	54
0945	57	1845	82	0330	123	1230	57
1000	61	1900	74	0345	120	1245	60
1015	63	1915	69	0400	117	1300	64
1030	64	1930	63	0415	111	1315	65
1045	65	1945	58	0430	104	1330	66
1100	62	2000	55	0445	96	1345	66
1115	58	2015	52	0500	88	1400	65
1130	55	2030	49	0515	81	1415	64
1145	52	2045	48	0530	74	1430	61
1200	51	2100	45	0545	68	1445	58
1215	49	2115	44	0600	65	1500	55
1230	50	2130	44	0615	61	1515	53
1245	52	2145	42	0630	58	1530	50
1300	55	2200	42	0645	57	1545	48
1315	58	2215	42	0700	56	1600	45
1330	59	2230	42	0715	55	1615	44

TABLE 5.--Continued

10170250 MILL CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981--CONTINUED

1345	62	2245	43	0730	55	1630	42
1400	65	2300	45	0745	55	1645	41
1415	71	2315	48	0800	54	1700	40
1430	78	2330	52	0815	54	1715	39
1445	85	2345	54	0830	53	1730	39

MAY 17, 1981

0100	37	0415	36	0715	42	1015	43
0115	37	0430	37	0730	43	1030	42
0130	36	0445	37	0745	43	1045	41
0145	36	0500	38	0800	43	1100	40
0200	36	0515	39	0815	44	1115	39
0215	36	0530	39	0830	44	1130	39
0230	36	0545	40	0845	45	1145	38
0245	36	0600	40	0900	45	1200	37
0300	36	0615	41	0915	45	1215	37
0315	36	0630	41	0930	45	1230	37
0330	36	0645	42	0945	45	1245	36
0345	36	0700	42	1000	44	1300	36
0400	36						

MAY 20, 1981

0600	37	1000	45	1400	47	1800	49
0615	38	1015	47	1415	48	1815	48
0630	38	1030	48	1430	49	1830	47
0645	38	1045	48	1445	52	1845	45
0700	38	1100	49	1500	53	1900	45
0715	38	1115	49	1515	55	1915	45
0730	39	1130	49	1530	55	1930	44
0745	39	1145	48	1545	55	1945	43
0800	39	1200	48	1600	56	2000	43
0815	39	1215	48	1615	56	2015	42
0830	39	1230	48	1630	56	2030	42
0845	39	1245	47	1645	55	2045	42
0900	40	1300	47	1700	55	2100	42
0915	42	1315	47	1715	54	2115	42
0930	42	1330	47	1730	52	2130	41
0945	44	1345	46	1745	51	2145	41

TABLE 5.--Continued

10170250 MILL CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 21, 1981							
0115	39	0445	39	0800	88	1115	60
0130	39	0500	40	0815	95	1130	58
0145	39	0515	42	0830	98	1145	56
0200	39	0530	43	0845	99	1200	54
0215	39	0545	45	0900	98	1215	53
0230	39	0600	48	0915	95	1230	51
0245	39	0615	52	0930	90	1245	51
0300	39	0630	55	0945	85	1300	49
0315	39	0645	57	1000	80	1315	48
0330	39	0700	60	1015	75	1330	48
0345	39	0715	65	1030	71	1345	48
0400	39	0730	70	1045	67	1400	47
0415	39	0745	75	1100	64	1415	47
0430	39						
JUNE 2-3, 1981							
1730	47	2345	85	0545	60	1200	73
1745	46	2400	78	0600	60	1215	81
1800	46			0615	59	1230	88
1815	46	0015	75	0630	59	1245	95
1830	46	0030	74	0645	58	1300	102
1845	47	0045	73	0700	58	1315	96
1900	47	0100	73	0715	58	1330	92
1915	47	0115	72	0730	58	1345	90
1930	48	0130	71	0745	58	1400	87
1945	49	0145	69	0800	58	1415	85
2000	52	0200	68	0815	58	1430	80
2015	54	0215	67	0830	58	1445	75
2030	55	0230	66	0845	58	1500	71
2045	58	0245	65	0900	57	1515	66
2100	64	0300	65	0915	56	1530	64
2115	65	0315	65	0930	54	1545	62
2130	65	0330	64	0945	55	1600	55
2145	67	0345	64	1000	55	1615	52
2200	72	0400	63	1015	55	1630	51
2215	75	0415	63	1030	57	1645	49
2230	81	0430	63	1045	57	1700	49
2245	85	0445	62	1100	58	1715	49
2300	86	0500	62	1115	58	1730	48
2315	87	0515	61	1130	60	1745	48
2330	87	0530	61	1145	65		

TABLE 5.--Continued

10170250 MILL CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 14, 1981

0015	34	0400	50	0745	48	1130	48
0030	34	0415	52	0800	47	1145	48
0045	34	0430	52	0815	47	1200	48
0100	35	0445	54	0830	47	1215	46
0115	35	0500	54	0845	47	1230	46
0130	36	0515	55	0900	47	1245	45
0145	36	0530	55	0915	48	1300	44
0200	37	0545	55	0930	48	1315	42
0215	39	0600	54	0945	48	1330	42
0230	41	0615	53	1000	48	1345	42
0245	43	0630	52	1015	47	1400	41
0300	45	0645	51	1030	47	1415	40
0315	46	0700	49	1045	47	1430	39
0330	48	0715	49	1100	48	1445	39
0345	49	0730	48	1115	48		

SEPTEMBER 5, 1981

1115	32	1415	50	1700	86	1945	38
1130	31	1430	52	1715	81	2000	36
1145	31	1445	54	1730	74	2015	35
1200	31	1500	57	1745	66	2030	34
1215	31	1515	65	1800	60	2045	34
1230	31	1530	73	1815	55	2100	33
1245	31	1545	82	1830	51	2115	33
1300	31	1600	87	1845	47	2130	32
1315	33	1615	91	1900	44	2145	32
1330	34	1630	92	1915	42	2200	31
1345	36	1645	91	1930	39	2215	31
1400	44						

TABLE 5.--Continued

10170250 MILL CREEK AT JORDAN RIVER, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
SEPTEMBER 6, 1981							
0515	29	0815	30	1115	39	1415	39
0530	29	0830	31	1130	39	1430	38
0545	29	0845	31	1145	40	1445	37
0600	29	0900	31	1200	42	1500	36
0615	29	0915	31	1215	42	1515	36
0630	29	0930	32	1230	44	1530	35
0645	29	0945	33	1245	46	1545	34
0700	29	1000	34	1300	48	1600	34
0715	29	1015	34	1315	49	1615	34
0730	29	1030	35	1330	48	1630	33
0745	29	1045	36	1345	45	1645	32
0800	30	1100	37	1400	42	1700	32

TABLE 5.--Continued

10170900 TWENTY-FIRST SOUTH CONDUIT AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JULY 1-2, 1980							
1700	6.2	2000	9.8	2300	24	0130	14
1715	6.2	2015	13	2315	23	0145	14
1730	6.2	2030	28	2330	23	0200	13
1745	6.2	2045	28	2345	22	0215	13
1800	6.2	2100	26	2400	21	0230	13
1815	6.2	2115	27			0245	12
1830	6.2	2130	26	0015	19	0300	12
1845	6.2	2145	25	0030	18	0315	10
1900	6.3	2200	25	0045	17	0330	8.4
1915	6.4	2215	24	0100	16	0345	6.3
1930	6.5	2230	24	0115	15	0400	5.8
1945	8.3	2245	24				
AUGUST 19, 1980							
0745	4.6	1100	5.7	1415	5.5	1730	6.0
0800	4.7	1115	6.2	1430	5.3	1745	6.2
0815	4.7	1130	6.2	1445	5.6	1800	6.2
0830	4.9	1145	6.2	1500	5.6	1815	6.0
0845	5.0	1200	6.0	1515	5.6	1830	6.2
0900	5.5	1215	5.9	1530	5.7	1845	6.2
0915	5.6	1230	5.9	1545	5.9	1900	6.2
0930	5.9	1245	5.7	1600	5.9	1915	6.0
0945	6.2	1300	5.7	1615	5.9	1930	6.0
1000	6.3	1315	5.7	1630	6.0	1945	5.9
1015	6.2	1330	5.6	1645	6.3	2000	5.9
1030	6.2	1345	5.6	1700	6.3	2015	5.6
1045	6.2	1400	5.6	1715	6.2	2030	5.6
AUGUST 25, 1980							
0945	4.7	1215	7.5	1430	7.5	1645	5.7
1000	5.0	1230	7.8	1445	6.8	1700	6.0
1015	5.3	1245	9.2	1500	6.0	1715	6.3
1030	5.5	1300	11	1515	6.0	1730	6.3
1045	5.7	1315	11	1530	6.0	1745	6.5
1100	7.8	1330	10	1545	6.0	1800	6.6
1115	8.2	1345	8.3	1600	6.0	1815	6.6
1130	8.3	1400	8.2	1615	6.0	1830	6.6
1145	8.2	1415	8.2	1630	6.0	1845	6.5
1200	8.0						

TABLE 5.--Continued

10170900 TWENTY-FIRST SOUTH CONDUIT AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 15, 1980							
0015	3.9	0515	14	1015	12	1515	9.5
0030	3.9	0530	16	1030	12	1530	9.6
0045	3.9	0545	17	1045	12	1545	9.3
0100	5.0	0600	18	1100	12	1600	9.2
0115	5.0	0615	18	1115	12	1615	8.8
0130	5.0	0630	16	1130	12	1630	8.6
0145	5.3	0645	15	1145	12	1645	9.0
0200	5.5	0700	13	1200	11	1700	9.8
0215	5.9	0715	11	1215	11	1715	9.6
0230	6.5	0730	11	1230	10	1730	9.8
0245	7.0	0745	13	1245	10	1745	9.8
0300	7.9	0800	13	1300	10	1800	9.8
0315	9.0	0815	12	1315	9.9	1815	10
0330	9.3	0830	11	1330	9.9	1830	11
0345	9.9	0845	11	1345	9.2	1845	11
0400	9.9	0900	10	1400	9.0	1900	10
0415	10	0915	8.3	1415	8.9	1915	8.5
0430	12	0930	10	1430	9.6	1930	8.0
0445	14	0945	11	1445	9.6	1945	5.7
0500	14	1000	11	1500	9.3	2000	4.3
OCTOBER 16, 1980							
0200	6.3	0700	11	1145	12	1630	14
0215	6.3	0715	10	1200	18	1645	13
0230	6.6	0730	9.8	1215	19	1700	13
0245	6.6	0745	9.5	1230	20	1715	13
0300	6.3	0800	9.2	1245	21	1730	12
0315	5.9	0815	8.9	1300	21	1745	12
0330	5.2	0830	4.0	1315	21	1800	12
0345	5.9	0845	4.3	1330	20	1815	12
0400	5.7	0900	4.3	1345	20	1830	11
0415	6.0	0915	4.0	1400	19	1845	11
0430	7.2	0930	3.9	1415	18	1900	11
0445	9.2	0945	3.7	1430	16	1915	11
0500	10	1000	3.7	1445	15	1930	11
0515	11	1015	4.4	1500	15	1945	10
0530	11	1030	4.6	1515	15	2000	10
0545	11	1045	10	1530	14	2015	10
0600	12	1100	12	1545	14	2030	9.9
0615	12	1115	12	1600	14	2045	9.8
0630	12	1130	13	1615	14	2100	9.6
0645	12						

TABLE 5.--Continued

10170900 TWENTY-FIRST SOUTH CONDUIT AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 26, 1980							
0930	4.7	1130	6.6	1330	12	1515	5.3
0945	4.7	1145	7.0	1345	15	1530	5.2
1000	4.6	1200	7.6	1400	15	1545	5.3
1015	4.9	1215	8.2	1415	15	1600	4.7
1030	5.0	1230	8.8	1430	8.0	1615	4.7
1045	5.3	1245	9.5	1445	6.6	1630	4.7
1100	5.7	1300	10	1500	5.6	1645	4.6
1115	6.2	1315	11				
MARCH 26-27, 1981							
1100	6.2	2015	14	0515	12	1430	17
1115	6.0	2030	14	0530	12	1445	18
1130	6.0	2045	14	0545	12	1500	19
1145	6.0	2100	14	0600	12	1515	19
1200	6.5	2115	15	0615	14	1530	19
1215	7.2	2130	14	0630	16	1545	20
1230	7.2	2145	15	0645	17	1600	21
1245	8.2	2200	15	0700	18	1615	21
1300	9.0	2215	15	0715	19	1630	22
1315	12	2230	14	0730	19	1645	23
1330	13	2245	13	0745	19	1700	24
1345	15	2300	13	0800	19	1715	23
1400	17	2315	13	0815	18	1730	22
1415	19	2330	12	0830	17	1745	21
1430	20	2345	12	0845	18	1800	19
1445	21	2400	12	0900	18	1815	19
1500	20			0915	17	1830	18
1515	19	0015	12	0930	18	1845	18
1530	21	0030	12	0945	18	1900	17
1545	22	0045	12	1000	17	1915	16
1600	20	0100	12	1015	17	1930	16
1615	20	0115	13	1030	16	1945	16
1630	21	0130	14	1045	17	2000	16
1645	22	0145	16	1100	16	2015	15
1700	21	0200	16	1115	16	2030	15
1715	21	0215	16	1130	15	2045	15
1730	21	0230	16	1145	16	2100	15
1745	21	0245	17	1200	15	2115	14
1800	21	0300	17	1215	16	2130	14
1815	19	0315	17	1230	15	2145	14

TABLE 5.--Continued

10170900 TWENTY-FIRST SOUTH CONDUIT AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26-27, 1981--CONTINUED

1830	18	0330	16	1245	14	2200	14
1845	17	0345	16	1300	14	2215	13
1900	17	0400	16	1315	14	2230	13
1915	16	0415	15	1330	14	2245	13
1930	15	0430	13	1345	15	2300	13
1945	14	0445	13	1400	16	2315	13
2000	14	0500	13	1415	16		

MARCH 29-30, 1981

2130	5.0	0330	13	0945	14	1545	13
2145	5.0	0345	13	1000	13	1600	13
2200	5.0	0400	13	1015	13	1615	14
2215	5.9	0415	12	1030	13	1630	13
2230	8.3	0430	12	1045	14	1645	13
2245	12	0445	12	1100	14	1700	13
2300	17	0500	12	1115	14	1715	12
2315	20	0515	12	1130	15	1730	12
2330	20	0530	11	1145	16	1745	12
2345	21	0545	11	1200	15	1800	12
2400	22	0600	12	1215	15	1815	12
		0615	12	1230	15	1830	11
0015	21	0630	12	1245	14	1845	11
0030	21	0645	13	1300	14	1900	11
0045	20	0700	15	1315	14	1915	11
0100	21	0715	17	1330	14	1930	11
0115	19	0730	18	1345	14	1945	11
0130	19	0745	18	1400	14	2000	11
0145	18	0800	18	1415	13	2015	11
0200	16	0815	16	1430	13	2030	10
0215	16	0830	16	1445	13	2045	10
0230	15	0845	14	1500	13	2100	10
0245	14	0900	15	1515	13	2115	10
0300	14	0915	14	1530	13	2130	9.0
0315	13	0930	14				

MAY 2-3, 1981

2330	5.4	0500	36	1045	22	1630	14
2345	5.5	0515	36	1100	22	1645	14
2400	5.9	0530	35	1115	21	1700	13

TABLE 5.--Continued

10170900 TWENTY-FIRST SOUTH CONDUIT AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 2-3, 1981--CONTINUED

		0545	34	1130	21	1715	13
0015	9.2	0600	34	1145	20	1730	13
0030	15	0615	33	1200	20	1745	13
0045	17	0630	33	1215	20	1800	13
0100	20	0645	32	1230	19	1815	13
0115	22	0700	32	1245	20	1830	12
0130	21	0715	32	1300	19	1845	12
0145	22	0730	31	1315	19	1900	12
0200	21	0745	31	1330	18	1915	11
0215	23	0800	30	1345	18	1930	10
0230	26	0815	28	1400	18	1945	10
0245	27	0830	27	1415	17	2000	10
0300	29	0845	25	1430	17	2015	10
0315	29	0900	25	1445	17	2030	9.5
0330	32	0915	24	1500	17	2045	9.5
0345	30	0930	23	1515	16	2100	9.2
0400	29	0945	23	1530	14	2115	9.3
0415	33	1000	22	1545	14	2130	8.3
0430	37	1015	22	1600	14	2145	8.3
0445	37	1030	22	1615	14		

MAY 8, 1981

0615	5.7	1015	20	1415	16	1815	11
0630	5.5	1030	21	1430	15	1830	11
0645	5.7	1045	24	1445	15	1845	11
0700	6.1	1100	24	1500	15	1900	11
0715	6.4	1115	26	1515	14	1915	11
0730	8.5	1130	27	1530	14	1930	10
0745	11	1145	27	1545	14	1945	10
0800	14	1200	26	1600	14	2000	9.9
0815	15	1215	26	1615	13	2015	9.6
0830	17	1230	25	1630	13	2030	9.5
0845	17	1245	23	1645	13	2045	9.4
0900	17	1300	21	1700	13	2100	9.2
0915	17	1315	20	1715	12	2115	8.8
0930	17	1330	19	1730	12	2130	8.4
0945	18	1345	18	1745	12	2145	8.4
1000	19	1400	17	1800	12		

TABLE 5.--Continued

10170900 TWENTY-FIRST SOUTH CONDUIT AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 10-11, 1981							
2245	5.8	0030	23	0230	20	0430	12
2300	5.7	0045	25	0245	19	0445	12
2315	6.3	0100	26	0300	17	0500	12
2330	8.2	0115	26	0315	16	0515	12
2345	12	0130	25	0330	15	0530	12
2400	16	0145	24	0345	14	0545	11
		0200	23	0400	14	0600	11
0015	19	0215	22	0415	13		
MAY 15, 1981							
0615	4.9	1045	10	1515	34	1945	21
0630	4.9	1100	9.9	1530	34	2000	20
0645	4.8	1115	9.5	1545	34	2015	20
0700	5.1	1130	9.6	1600	34	2030	19
0715	6.9	1145	9.7	1615	33	2045	19
0730	11	1200	11	1630	34	2100	19
0745	14	1215	15	1645	32	2115	19
0800	18	1230	20	1700	32	2130	18
0815	20	1245	25	1715	30	2145	18
0830	21	1300	30	1730	30	2200	18
0845	21	1315	33	1745	28	2215	19
0900	20	1330	33	1800	27	2230	24
0915	17	1345	34	1815	25	2245	28
0930	15	1400	34	1830	24	2300	31
0945	14	1415	34	1845	23	2315	33
1000	12	1430	34	1900	23	2330	35
1015	11	1445	34	1915	22	2345	36
1030	10	1500	34	1930	22	2400	35
MAY 16-17, 1981							
0015	36	0645	36	1315	26	1945	25
0030	36	0700	37	1330	25	2000	24
0045	38	0715	35	1345	25	2015	23
0100	40	0730	35	1400	24	2030	21
0115	40	0745	34	1415	24	2045	21
0130	40	0800	33	1430	23	2100	20
0145	39	0815	32	1445	23	2115	19
0200	41	0830	31	1500	23	2130	19
0215	41	0845	31	1515	22	2145	18

TABLE 5.--Continued

10170900 TWENTY-FIRST SOUTH CONDUIT AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 16-17, 1981--CONTINUED							
0230	40	0900	30	1530	21	2200	18
0245	39	0915	29	1545	21	2215	18
0300	40	0930	28	1600	21	2230	17
0315	39	0945	28	1615	20	2245	17
0330	39	1000	28	1630	20	2300	17
0345	39	1015	30	1645	20	2315	16
0400	40	1030	33	1700	20	2330	16
0415	39	1045	33	1715	20	2345	16
0430	39	1100	33	1730	19	2400	16
0445	39	1115	32	1745	19		
0500	38	1130	31	1800	20	0015	16
0515	38	1145	31	1815	20	0030	16
0530	38	1200	30	1830	20	0045	15
0545	38	1215	29	1845	22	0100	15
0600	38	1230	29	1900	24	0115	14
0615	38	1245	27	1915	26	0130	14
0630	38	1300	27	1930	26		

MAY 20, 1981

0615	5.0	0915	9.8	1215	8.8	1500	15
0630	5.0	0930	9.0	1230	9.1	1515	15
0645	5.0	0945	9.7	1245	9.6	1530	14
0700	5.2	1000	11	1300	11	1545	13
0715	5.7	1015	11	1315	13	1600	13
0730	6.6	1030	11	1330	14	1615	11
0745	11	1045	11	1345	14	1630	11
0800	11	1100	10	1400	11	1645	11
0815	11	1115	9.9	1415	10	1700	11
0830	10	1130	9.3	1430	15	1715	10
0845	10	1145	9.2	1445	15	1730	10
0900	10	1200	9.0				

MAY 21, 1981

0130	7.8	0645	26	1200	15	1700	19
0145	7.6	0700	27	1215	15	1715	18
0200	7.6	0715	28	1230	14	1730	18
0215	7.7	0730	27	1245	14	1745	17
0230	7.6	0745	27	1300	14	1800	17
0245	7.6	0800	26	1315	14	1815	16

TABLE 5.--Continued

10170900 TWENTY-FIRST SOUTH CONDUIT AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 21, 1981--CONTINUED

0300	7.6	0815	25	1330	14	1830	16
0315	7.6	0830	23	1345	13	1845	16
0330	7.6	0845	22	1400	13	1900	16
0345	7.8	0900	20	1415	13	1915	17
0400	7.9	0915	19	1430	16	1930	18
0415	8.0	0930	18	1445	19	1945	18
0430	7.8	0945	17	1500	21	2000	17
0445	8.3	1000	17	1515	23	2015	16
0500	9.0	1015	16	1530	24	2030	16
0515	10	1030	16	1545	25	2045	15
0530	14	1045	16	1600	25	2100	15
0545	17	1100	16	1615	23	2115	15
0600	19	1115	15	1630	22	2130	14
0615	22	1130	15	1645	21	2145	14
0630	25	1145	15				

MAY 27, 1981

0415	6.0	0830	9.1	1245	18	1700	13
0430	5.7	0845	8.8	1300	18	1715	13
0445	5.6	0900	9.8	1315	17	1730	12
0500	6.0	0915	13	1330	16	1745	12
0515	6.9	0930	15	1345	16	1800	13
0530	7.5	0945	16	1400	16	1815	12
0545	8.4	1000	19	1415	16	1830	12
0600	10	1015	21	1430	15	1845	12
0615	12	1030	23	1445	15	1900	12
0630	13	1045	25	1500	14	1915	11
0645	13	1100	26	1515	14	1930	11
0700	14	1115	27	1530	14	1945	11
0715	13	1130	26	1545	14	2000	11
0730	12	1145	25	1600	14	2015	11
0745	11	1200	23	1615	14	2030	10
0800	10	1215	21	1630	13	2045	10
0815	9.6	1230	20	1645	13		

JUNE 2-3, 1981

1730	6.9	2315	12	0445	8.1	1030	6.9
1745	6.5	2330	12	0500	8.1	1045	12
1800	6.3	2345	10	0515	8.3	1100	15

TABLE 5.--Continued

10170900 TWENTY-FIRST SOUTH CONDUIT AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND. AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JUNE 2-3, 1981--CONTINUED							
1815	6.9	2400	11	0530	8.0	1115	21
1830	9.1			0545	8.0	1130	24
1845	11	0015	10	0600	8.1	1145	24
1900	13	0030	10	0615	8.0	1200	24
1915	13	0045	10	0630	7.8	1215	23
1930	13	0100	9.8	0645	7.3	1230	22
1945	11	0115	9.6	0700	7.5	1245	20
2000	11	0130	9.8	0715	7.3	1300	18
2015	10	0145	9.6	0730	7.7	1315	17
2030	11	0200	9.0	0745	7.3	1330	15
2045	13	0215	9.0	0800	7.5	1345	13
2100	17	0230	8.8	0815	7.1	1400	12
2115	19	0245	9.1	0830	7.0	1415	10
2130	21	0300	9.1	0845	7.3	1430	8.9
2145	22	0315	8.6	0900	6.9	1445	9.2
2200	23	0330	8.8	0915	7.2	1500	8.9
2215	21	0345	8.5	0930	7.2	1515	8.9
2230	18	0400	8.6	0945	6.8	1530	7.2
2245	17	0415	8.7	1000	7.0	1545	7.2
2300	15	0430	8.6	1015	7.0		
JUNE 14, 1981							
0015	4.9	0315	11	0615	6.8	0915	15
0030	4.9	0330	11	0630	6.3	0930	15
0045	5.7	0345	11	0645	7.0	0945	15
0100	6.7	0400	10	0700	6.9	1000	14
0115	7.5	0415	8.9	0715	6.8	1015	13
0130	7.2	0430	8.0	0730	6.2	1030	12
0145	7.1	0445	7.3	0745	7.0	1045	11
0200	6.9	0500	6.8	0800	7.0	1100	9.7
0215	7.2	0515	6.6	0815	7.0	1115	9.0
0230	8.8	0530	6.3	0830	7.0	1130	8.6
0245	10	0545	6.5	0845	9.0	1145	8.3
0300	11	0600	6.3	0900	13	1200	8.3

TABLE 5.--Continued

10170900 TWENTY-FIRST SOUTH CONDUIT AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
SEPTEMBER 5, 1981							
1300	4.0	1600	16	1845	7.4	2130	5.7
1315	5.2	1615	15	1900	7.3	2145	5.4
1330	6.9	1630	14	1915	7.2	2200	5.2
1345	12	1645	13	1930	7.0	2215	5.0
1400	16	1700	12	1945	6.8	2230	4.8
1415	17	1715	10	2000	6.6	2245	4.6
1430	19	1730	10	2015	6.5	2300	4.4
1445	20	1745	9.0	2030	6.3	2315	4.3
1500	20	1800	8.3	2045	6.2	2330	4.2
1515	19	1815	8.0	2100	6.0	2345	4.1
1530	18	1830	7.7	2115	5.8	2400	4.0
1545	17						

TABLE 5.--Continued

10171600 PARLEYS CREEK AT SUICIDE ROCK, NEAR SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 26, 1980							
1115	2.0	1415	3.2	1715	2.5	2015	2.2
1130	2.0	1430	3.0	1730	2.4	2030	2.2
1145	2.0	1445	2.8	1745	2.4	2045	2.2
1200	2.0	1500	2.8	1800	2.4	2100	2.2
1215	2.1	1515	2.8	1815	2.4	2115	2.2
1230	2.2	1530	2.8	1830	2.4	2130	2.1
1245	2.5	1545	2.8	1845	2.4	2145	2.1
1300	2.7	1600	2.7	1900	2.4	2200	2.1
1315	2.7	1615	2.7	1915	2.4	2215	2.1
1330	3.0	1630	2.5	1930	2.2	2230	2.1
1345	3.0	1645	2.5	1945	2.2	2245	2.1
1400	3.2	1700	2.5	2000	2.2		
MARCH 26-27, 1981							
1115	2.4	2045	3.4	0545	3.0	1500	4.2
1130	2.7	2100	3.4	0600	3.0	1515	4.2
1145	3.0	2115	3.6	0615	3.0	1530	4.0
1200	3.8	2130	3.6	0630	3.0	1545	4.0
1215	5.4	2145	3.4	0645	3.0	1600	3.8
1230	5.8	2200	3.4	0700	3.0	1615	3.8
1245	5.1	2215	3.2	0715	3.2	1630	3.8
1300	4.5	2230	3.2	0730	3.2	1645	3.8
1315	4.2	2245	3.2	0745	3.4	1700	3.8
1330	4.8	2300	3.2	0800	3.6	1715	3.8
1345	5.8	2315	3.2	0815	3.4	1730	3.6
1400	6.1	2330	3.2	0830	3.4	1745	3.6
1415	7.2	2345	3.0	0845	3.4	1800	3.6
1430	6.8	2400	3.0	0900	3.6	1815	3.4
1445	5.4			0915	3.8	1830	3.4
1500	4.8	0015	3.0	0930	4.0	1845	3.4
1515	4.8	0030	3.0	0945	4.2	1900	3.4
1530	4.5	0045	3.2	1000	4.2	1915	3.2
1545	4.2	0100	3.2	1015	4.5	1930	3.2
1600	4.0	0115	3.2	1030	4.5	1945	3.2
1615	4.2	0130	3.2	1045	4.5	2000	3.2
1630	4.2	0145	3.2	1100	4.5	2015	3.2
1645	4.0	0200	3.2	1115	4.2	2030	3.2
1700	4.5	0215	3.2	1130	3.8	2045	3.2
1715	4.8	0230	3.2	1145	3.6	2100	3.2
1730	4.5	0245	3.2	1200	3.6	2115	3.2
1745	4.5	0300	3.2	1215	3.4	2130	3.2
1800	4.2	0315	3.2	1230	3.4	2145	3.2

TABLE 5.--Continued

10171600 PARLEYS CREEK AT SUICIDE ROCK, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26-27, 1981--CONTINUED

1815	4.0	0330	3.2	1245	3.4	2200	3.2
1830	3.8	0345	3.2	1300	3.4	2215	3.2
1845	3.6	0400	3.2	1315	4.0	2230	3.0
1900	3.4	0415	3.2	1330	4.5	2245	3.0
1915	3.4	0430	3.2	1345	4.5	2300	3.0
1930	3.4	0445	3.2	1400	4.5	2315	3.0
1945	3.4	0500	3.2	1415	4.5	2330	3.0
2000	3.4	0515	3.0	1430	4.5	2345	3.0
2015	3.4	0530	3.0	1445	4.5	2400	3.0
2030	3.4						

MAY 2-3, 1981

2315	6.8	0315	12	0715	7.2	1115	6.5
2330	11	0330	11	0730	7.2	1130	6.8
2345	8.4	0345	10	0745	7.2	1145	8.0
2400	8.0	0400	9.9	0800	6.8	1200	8.8
		0415	9.6	0815	6.8	1215	8.4
0015	7.6	0430	9.2	0830	6.8	1230	7.6
0030	7.2	0445	8.8	0845	6.8	1245	7.2
0045	6.8	0500	8.8	0900	6.8	1300	7.2
0100	11	0515	8.4	0915	6.8	1315	7.2
0115	11	0530	8.4	0930	6.8	1330	7.2
0130	10	0545	8.4	0945	6.8	1345	6.8
0145	14	0600	8.4	1000	6.8	1400	6.8
0200	16	0615	8.4	1015	6.5	1415	6.8
0215	14	0630	8.0	1030	6.5	1430	6.8
0230	12	0645	7.6	1045	6.5	1445	6.8
0245	12	0700	7.6	1100	6.5	1500	6.8
0300	12						

MAY 8, 1981

0615	5.8	0930	9.9	1245	7.6	1600	5.8
0630	6.5	0945	9.6	1300	7.2	1615	5.8
0645	10	1000	9.2	1315	6.8	1630	5.8
0700	9.2	1015	12	1330	6.8	1645	5.8
0715	8.8	1030	9.9	1345	6.5	1700	5.8
0730	8.4	1045	9.6	1400	6.5	1715	5.8
0745	8.0	1100	9.6	1415	6.5	1730	5.8
0800	9.2	1115	9.2	1430	6.1	1745	5.8
0815	9.2	1130	8.0	1445	6.1	1800	5.8
0830	9.2	1145	7.6	1500	6.1	1815	5.8
0845	9.9	1200	7.2	1515	6.1	1830	5.8

TABLE 5.--Continued

10171600 PARLEYS CREEK AT SUICIDE ROCK, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 8, 1981--CONTINUED							
0900	11	1215	8.0	1530	6.1	1845	5.8
0915	10	1230	8.0	1545	5.8		
MAY 10-11, 1981							
2300	13	0045	8.8	0245	6.8	0430	6.1
2315	11	0100	8.8	0300	6.8	0445	6.1
2330	12	0115	8.4	0315	6.8	0500	6.1
2345	11	0130	8.0	0330	6.5	0515	6.1
2400	10	0145	7.6	0345	6.5	0530	6.1
		0200	7.2	0400	6.5	0545	6.1
0015	9.2	0215	6.8	0415	6.5	0600	6.1
0030	8.8	0230	6.8				
MAY 15-16, 1981							
0630	12	1515	11	2400	16	0830	9.6
0645	11	1530	11			0845	11
0700	11	1545	10	0015	16	0900	11
0715	9.9	1600	10	0030	15	0915	10
0730	8.8	1615	9.9	0045	14	0930	10
0745	9.2	1630	9.6	0100	14	0945	11
0800	9.6	1645	9.2	0115	13	1000	12
0815	9.2	1700	8.8	0130	12	1015	12
0830	8.8	1715	8.8	0145	12	1030	12
0845	8.4	1730	8.4	0200	11	1045	11
0900	7.6	1745	8.4	0215	11	1100	11
0915	7.6	1800	8.0	0230	10	1115	10
0930	7.2	1815	8.0	0245	9.9	1130	9.9
0945	7.2	1830	8.0	0300	9.9	1145	9.9
1000	7.2	1845	8.0	0315	9.9	1200	9.6
1015	7.2	1900	7.6	0330	9.9	1215	9.6
1030	7.2	1915	7.6	0345	9.6	1230	9.6
1045	8.0	1930	7.6	0400	9.6	1245	9.6
1100	7.6	1945	7.6	0415	9.6	1300	9.6
1115	8.4	2000	7.6	0430	9.6	1315	9.6
1130	9.6	2015	7.6	0445	9.6	1330	9.6
1145	17	2030	7.6	0500	9.6	1345	9.6
1200	13	2045	7.6	0515	9.6	1400	9.6
1215	14	2100	7.6	0530	9.6	1415	9.2
1230	15	2115	7.6	0545	9.2	1430	9.2
1245	14	2130	8.0	0600	9.2	1445	9.2

TABLE 5.--Continued

10171600 PARLEYS CREEK AT SUICIDE ROCK, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981--CONTINUED

1300	14	2145	11	0615	9.2	1500	9.2
1315	12	2200	12	0630	9.2	1515	9.2
1330	12	2215	14	0645	9.2	1530	9.2
1345	14	2230	14	0700	9.2	1545	9.2
1400	15	2245	14	0715	9.2	1600	9.2
1415	15	2300	15	0730	9.2	1615	9.2
1430	14	2315	15	0745	9.2	1630	9.2
1445	13	2330	15	0800	9.2	1645	9.2
1500	12	2345	16	0815	9.2		

MAY 20, 1981

0630	11	0945	11	1300	12	1600	11
0645	11	1000	10	1315	12	1615	11
0700	11	1015	10	1330	12	1630	11
0715	11	1030	10	1345	12	1645	11
0730	11	1045	10	1400	12	1700	10
0745	11	1100	10	1415	12	1715	10
0800	11	1115	11	1430	12	1730	10
0815	11	1130	11	1445	12	1745	10
0830	11	1145	12	1500	11	1800	10
0845	11	1200	12	1515	11	1815	10
0900	11	1215	11	1530	11	1830	9.9
0915	11	1230	12	1545	11	1845	9.9
0930	11	1245	12				

MAY 21, 1981

0300	11	0700	14	1045	11	1430	14
0315	11	0715	13	1100	11	1445	14
0330	11	0730	12	1115	11	1500	14
0345	12	0745	12	1130	11	1515	14
0400	12	0800	12	1145	11	1530	14
0415	13	0815	12	1200	11	1545	14
0430	14	0830	12	1215	11	1600	13
0445	15	0845	12	1230	11	1615	13
0500	15	0900	12	1245	11	1630	13
0515	16	0915	12	1300	12	1645	13
0530	16	0930	12	1315	12	1700	13
0545	16	0945	12	1330	12	1715	13
0600	16	1000	11	1345	14	1730	13
0615	15	1015	11	1400	14	1745	13
0630	15	1030	11	1415	14	1800	14
0645	14						

TABLE 5.--Continued

10171600 PARLEYS CREEK AT SUICIDE ROCK, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 27, 1981							
0400	50	0630	53	0900	53	1130	14
0415	50	0645	52	0915	52	1145	69
0430	50	0700	52	0930	41	1200	69
0445	50	0715	52	0945	26	1215	62
0500	50	0730	52	1000	20	1230	61
0515	50	0745	52	1015	18	1245	61
0530	50	0800	52	1030	16	1300	53
0545	50	0815	52	1045	15	1315	52
0600	50	0830	53	1100	14	1330	52
0615	54	0845	53	1115	14		
JUNE 2-3, 1981							
1715	29	0015	29	0730	29	1445	29
1730	29	0030	29	0745	29	1500	29
1745	29	0045	29	0800	29	1515	29
1800	29	0100	29	0815	29	1530	29
1815	30	0115	29	0830	29	1545	29
1830	30	0130	29	0845	29	1600	29
1845	30	0145	29	0900	29	1615	29
1900	30	0200	29	0915	29	1630	29
1915	30	0215	29	0930	29	1645	29
1930	30	0230	29	0945	29	1700	29
1945	30	0245	29	1000	29	1715	30
2000	30	0300	29	1015	29	1730	31
2015	30	0315	29	1030	29	1745	30
2030	30	0330	29	1045	29	1800	30
2045	30	0345	29	1100	29	1815	30
2100	30	0400	29	1115	29	1830	30
2115	30	0415	29	1130	29	1845	30
2130	30	0430	29	1145	29	1900	31
2145	30	0445	29	1200	29	1915	33
2200	30	0500	29	1215	29	1930	40
2215	30	0515	29	1230	29	1945	42
2230	30	0530	29	1245	29	2000	41
2245	30	0545	29	1300	29	2015	40
2300	30	0600	29	1315	29	2030	37
2315	30	0615	29	1330	29	2045	35
2330	30	0630	29	1345	29	2100	42
2345	29	0645	29	1400	29	2115	47
2400	29	0700	29	1415	29	2130	47
		0715	29	1430	29	2145	47

TABLE 5.--Continued

10171600 PARLEYS CREEK AT SUICIDE ROCK, NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 14, 1981

0015	15	0415	18	0815	26	1215	26
0030	15	0430	18	0830	24	1230	26
0045	16	0445	18	0845	26	1245	26
0100	19	0500	19	0900	26	1300	26
0115	20	0515	19	0915	25	1315	26
0130	20	0530	20	0930	25	1330	27
0145	20	0545	20	0945	25	1345	27
0200	20	0600	20	1000	25	1400	27
0215	20	0615	20	1015	25	1415	27
0230	19	0630	20	1030	25	1430	27
0245	18	0645	20	1045	25	1445	27
0300	18	0700	20	1100	25	1500	27
0315	18	0715	21	1115	25	1515	27
0330	18	0730	24	1130	25	1530	27
0345	18	0745	25	1145	25	1545	27
0400	18	0800	25	1200	25		

SEPTEMBER 5, 1981

1300	1.9	1430	7.6	1545	4.0	1700	3.0
1315	2.1	1445	5.4	1600	4.0	1715	2.8
1330	22	1500	4.5	1615	3.8	1730	2.7
1345	6.5	1515	4.0	1630	3.6	1745	2.7
1400	12	1530	4.2	1645	3.2	1800	2.5
1415	9.9						

TABLE 5.--Continued

10172000 EMIGRATION CREEK NEAR SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 26, 1980							
1115	2.1	1415	2.1	1715	2.1	2015	2.1
1130	2.1	1430	2.1	1730	2.1	2030	2.1
1145	2.1	1445	2.4	1745	2.1	2045	2.1
1200	2.1	1500	2.4	1800	2.1	2100	2.1
1215	2.1	1515	2.4	1815	2.1	2115	2.1
1230	2.1	1530	2.4	1830	2.1	2130	2.1
1245	2.1	1545	2.4	1845	2.1	2145	2.1
1300	2.1	1600	2.4	1900	2.1	2200	2.1
1315	2.1	1615	2.4	1915	2.1	2215	2.1
1330	2.1	1630	2.1	1930	2.1	2230	2.1
1345	2.1	1645	2.1	1945	2.1	2245	2.1
1400	2.1	1700	2.1	2000	2.1		
MARCH 26-27, 1981							
1115	2.6	2045	3.3	0545	3.1	1500	3.6
1130	2.6	2100	3.3	0600	3.1	1515	3.6
1145	2.6	2115	3.3	0615	3.1	1530	3.6
1200	2.6	2130	3.3	0630	3.1	1545	3.8
1215	2.6	2145	3.3	0645	3.1	1600	3.8
1230	2.8	2200	3.3	0700	3.1	1615	3.8
1245	2.8	2215	3.3	0715	3.1	1630	3.8
1300	2.8	2230	3.3	0730	3.1	1645	3.8
1315	2.8	2245	3.3	0745	3.1	1700	3.8
1330	2.8	2300	3.3	0800	3.1	1715	3.8
1345	3.0	2315	3.3	0815	3.1	1730	3.8
1400	3.0	2330	3.3	0830	3.1	1745	3.8
1415	3.0	2345	3.3	0845	3.1	1800	3.6
1430	3.0	2400	3.3	0900	3.1	1815	3.6
1445	3.0			0915	3.1	1830	3.6
1500	3.0	0015	3.3	0930	3.1	1845	3.6
1515	3.3	0030	3.3	0945	3.1	1900	3.6
1530	3.3	0045	3.3	1000	3.1	1915	3.6
1545	3.3	0100	3.3	1015	3.1	1930	3.6
1600	3.3	0115	3.3	1030	3.1	1945	3.6
1615	3.3	0130	3.1	1045	3.1	2000	3.6
1630	3.3	0145	3.1	1100	3.1	2015	3.6
1645	3.3	0200	3.1	1115	3.1	2030	3.3
1700	3.6	0215	3.1	1130	3.3	2045	3.3
1715	3.6	0230	3.1	1145	3.3	2100	3.3
1730	3.6	0245	3.1	1200	3.3	2115	3.3
1745	3.6	0300	3.1	1215	3.3	2130	3.3
1800	3.6	0315	3.1	1230	3.3	2145	3.3

TABLE 5.--Continued

10172000 EMIGRATION CREEK NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26-27, 1981--CONTINUED

1815	3.6	0330	3.1	1245	3.3	2200	3.3
1830	3.6	0345	3.1	1300	3.3	2215	3.3
1845	3.6	0400	3.1	1315	3.3	2230	3.1
1900	3.6	0415	3.1	1330	3.3	2245	3.1
1915	3.6	0430	3.1	1345	3.3	2300	3.1
1930	3.6	0445	3.1	1400	3.3	2315	3.1
1945	3.6	0500	3.1	1415	3.3	2330	3.1
2000	3.6	0515	3.1	1430	3.6	2345	3.1
2015	3.6	0530	3.1	1445	3.6	2400	3.1
2030	3.3						

MAY 2-3, 1981

2315	5.4	0315	5.7	0715	5.4	1115	4.8
2330	5.4	0330	5.7	0730	5.4	1130	4.8
2345	4.8	0345	5.7	0745	5.4	1145	4.8
2400	4.8	0400	5.7	0800	5.4	1200	4.8
		0415	5.7	0815	5.4	1215	4.8
0015	4.4	0430	5.7	0830	5.1	1230	4.8
0030	4.2	0445	5.7	0845	5.1	1245	4.8
0045	4.2	0500	5.4	0900	5.1	1300	4.8
0100	4.4	0515	5.4	0915	5.1	1315	4.8
0115	5.4	0530	5.4	0930	5.1	1330	4.4
0130	5.4	0545	5.4	0945	5.1	1345	4.4
0145	5.7	0600	5.4	1000	4.8	1400	4.4
0200	5.7	0615	5.4	1015	4.8	1415	4.4
0215	6.1	0630	5.4	1030	4.8	1430	4.4
0230	6.4	0645	5.7	1045	4.8	1445	4.4
0245	6.4	0700	5.7	1100	4.8	1500	4.4
0300	6.1						

MAY 8, 1981

0615	3.3	0930	3.8	1245	4.8	1600	4.2
0630	3.3	0945	3.8	1300	4.8	1615	4.2
0645	3.3	1000	3.8	1315	4.8	1630	4.2
0700	3.6	1015	4.2	1330	4.8	1645	4.2
0715	3.6	1030	4.2	1345	4.8	1700	4.2
0730	3.6	1045	4.4	1400	4.4	1715	4.2
0745	3.6	1100	4.4	1415	4.4	1730	4.2
0800	3.6	1115	4.4	1430	4.4	1745	4.2
0815	3.6	1130	4.4	1445	4.4	1800	4.2
0830	3.6	1145	4.4	1500	4.2	1815	4.2
0845	3.8	1200	4.8	1515	4.2	1830	3.8

TABLE 5.--Continued

10172000 EMIGRATION CREEK NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 8, 1981--CONTINUED							
0900	3.8	1215	4.8	1530	4.2	1845	3.8
0915	3.8	1230	4.8	1545	4.2		
MAY 10-11, 1981							
2300	3.6	0045	4.4	0245	4.8	0430	5.4
2315	3.8	0100	4.2	0300	5.1	0445	5.1
2330	4.2	0115	4.4	0315	5.1	0500	5.4
2345	4.2	0130	4.8	0330	5.1	0515	5.4
2400	4.2	0145	4.8	0345	5.4	0530	5.1
		0200	4.8	0400	5.4	0545	5.1
0015	4.4	0215	4.8	0415	5.4	0600	5.1
0030	4.4	0230	4.8				
MAY 15-16, 1981							
0630	3.3	1515	7.2	2400	7.2	0830	6.1
0645	3.6	1530	6.8			0845	6.4
0700	3.8	1545	6.4	0015	7.2	0900	6.4
0715	3.8	1600	6.4	0030	7.6	0915	6.4
0730	3.8	1615	6.4	0045	7.6	0930	6.8
0745	3.8	1630	6.4	0100	7.6	0945	6.8
0800	3.8	1645	6.4	0115	7.6	1000	6.8
0815	3.8	1700	6.1	0130	8.0	1015	6.8
0830	3.8	1715	6.1	0145	8.4	1030	6.8
0845	3.8	1730	6.1	0200	8.4	1045	6.8
0900	4.2	1745	6.1	0215	8.4	1100	6.8
0915	4.2	1800	6.1	0230	8.0	1115	6.8
0930	4.2	1815	6.1	0245	8.0	1130	6.4
0945	4.2	1830	6.1	0300	7.6	1145	6.4
1000	4.2	1845	6.1	0315	7.6	1200	6.4
1015	4.2	1900	5.7	0330	7.6	1215	6.4
1030	4.2	1915	5.7	0345	7.6	1230	6.4
1045	4.2	1930	5.7	0400	7.2	1245	6.8
1100	4.2	1945	5.7	0415	7.2	1300	6.8
1115	4.4	2000	5.4	0430	7.2	1315	6.8
1130	4.8	2015	5.4	0445	7.2	1330	6.8
1145	5.4	2030	5.4	0500	6.8	1345	6.8
1200	5.7	2045	5.4	0515	6.8	1400	6.8
1215	6.1	2100	5.1	0530	6.8	1415	6.8
1230	6.1	2115	5.1	0545	6.8	1430	6.8
1245	6.4	2130	5.4	0600	6.4	1445	6.8

TABLE 5.--Continued

10172000 EMIGRATION CREEK NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981--CONTINUED

1300	6.4	2145	5.7	0615	6.4	1500	6.8
1315	6.8	2200	6.4	0630	6.4	1515	6.8
1330	7.6	2215	6.8	0645	6.4	1530	6.8
1345	7.6	2230	6.8	0700	6.4	1545	6.8
1400	7.6	2245	6.8	0715	6.1	1600	6.8
1415	7.6	2300	6.4	0730	6.1	1615	6.8
1430	7.6	2315	6.4	0745	6.1	1630	6.4
1445	7.6	2330	6.8	0800	6.1	1645	6.4
1500	7.2	2345	6.8	0815	6.1		

MAY 20, 1981

0630	5.4	0945	5.7	1300	6.8	1600	7.2
0645	5.7	1000	5.7	1315	6.8	1615	7.2
0700	5.7	1015	5.7	1330	6.8	1630	7.2
0715	5.7	1030	6.1	1345	6.8	1645	7.2
0730	5.7	1045	6.1	1400	6.8	1700	7.6
0745	5.7	1100	6.1	1415	6.8	1715	7.6
0800	5.7	1115	6.1	1430	6.8	1730	7.2
0815	5.7	1130	6.1	1445	6.8	1745	7.2
0830	5.7	1145	6.1	1500	6.8	1800	7.2
0845	5.7	1200	6.1	1515	6.8	1815	7.2
0900	5.7	1215	6.1	1530	7.2	1830	7.2
0915	5.7	1230	6.4	1545	7.2	1845	7.2
0930	5.7	1245	6.4				

MAY 21, 1981

0300	6.8	0700	9.4	1045	11	1430	12
0315	6.8	0715	9.4	1100	11	1445	12
0330	6.8	0730	9.4	1115	11	1500	12
0345	6.8	0745	9.9	1130	11	1515	12
0400	7.2	0800	9.9	1145	11	1530	13
0415	7.2	0815	9.9	1200	11	1545	13
0430	7.6	0830	9.9	1215	11	1600	14
0445	8.0	0845	10	1230	11	1615	16
0500	8.4	0900	11	1245	11	1630	17
0515	8.9	0915	11	1300	11	1645	18
0530	9.4	0930	11	1315	11	1700	20
0545	9.4	0945	11	1330	11	1715	21
0600	9.4	1000	11	1345	11	1730	23
0615	9.4	1015	11	1400	11	1745	23

TABLE 5.--Continued

10172000 EMIGRATION CREEK NEAR SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 21, 1981--CONTINUED							
0630	9.4	1030	11	1415	11	1800	24
0645	9.4						
MAY 27, 1981							
0400	3.6	0630	3.3	0900	3.3	1130	2.8
0415	3.6	0645	3.3	0915	3.6	1145	2.8
0430	3.6	0700	3.3	0930	3.6	1200	2.8
0445	3.3	0715	3.3	0945	3.6	1215	2.8
0500	3.3	0730	3.3	1000	3.6	1230	3.0
0515	3.3	0745	3.3	1015	3.6	1245	3.0
0530	3.3	0800	3.3	1030	3.0	1300	3.0
0545	3.3	0815	3.3	1045	3.0	1315	3.0
0600	3.3	0830	3.3	1100	2.8	1330	3.3
0615	3.3	0845	3.3	1115	2.8		
SEPTEMBER 5, 1981							
1300	0.58	1430	0.79	1545	0.50	1700	0.50
1315	0.50	1445	0.68	1600	0.50	1715	0.50
1330	0.58	1500	0.58	1615	0.50	1730	0.50
1345	0.68	1515	0.58	1630	0.50	1745	0.50
1400	0.68	1530	0.58	1645	0.50	1800	0.50
1415	0.91						

TABLE 5.--Continued

10172220 RED BUTTE CREEK BELOW RESERVOIR, NEAR SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MARCH 26-27, 1981							
1115	2.1	2045	2.8	0545	2.9	1500	3.3
1130	2.2	2100	2.9	0600	2.9	1515	3.3
1145	2.3	2115	2.9	0615	2.9	1530	3.2
1200	2.4	2130	2.9	0630	2.9	1545	3.2
1215	2.5	2145	2.8	0645	2.9	1600	3.2
1230	2.6	2200	2.8	0700	2.9	1615	3.2
1245	2.7	2215	2.7	0715	2.9	1630	3.2
1300	2.8	2230	2.7	0730	2.9	1645	3.2
1315	2.9	2245	2.7	0745	2.9	1700	3.1
1330	2.9	2300	2.7	0800	3.0	1715	3.0
1345	3.0	2315	2.7	0815	3.1	1730	3.0
1400	3.1	2330	2.6	0830	3.2	1745	2.9
1415	3.2	2345	2.6	0845	3.3	1800	2.8
1430	3.1	2400	2.6	0900	3.4	1815	2.8
1445	3.1			0915	3.4	1830	2.8
1500	3.1	0015	2.5	0930	3.4	1845	2.8
1515	3.1	0030	2.5	0945	3.4	1900	2.7
1530	3.1	0045	2.6	1000	3.4	1915	2.7
1545	3.1	0100	2.6	1015	3.3	1930	2.7
1600	3.1	0115	2.6	1030	3.3	1945	2.7
1615	3.1	0130	2.6	1045	3.2	2000	2.7
1630	3.2	0145	2.6	1100	3.2	2015	2.7
1645	3.2	0200	2.7	1115	3.1	2030	2.6
1700	3.3	0215	2.7	1130	3.0	2045	2.6
1715	3.2	0230	2.7	1145	2.9	2100	2.6
1730	3.2	0245	2.7	1200	2.9	2115	2.5
1745	3.1	0300	2.7	1215	2.9	2130	2.5
1800	3.1	0315	2.7	1230	2.9	2145	2.5
1815	3.0	0330	2.7	1245	2.9	2200	2.5
1830	3.0	0345	2.7	1300	3.0	2215	2.5
1845	2.9	0400	2.8	1315	3.0	2230	2.5
1900	2.9	0415	2.8	1330	3.1	2245	2.4
1915	2.8	0430	2.8	1345	3.1	2300	2.4
1930	2.8	0445	2.8	1400	3.3	2315	2.4
1945	2.9	0500	2.9	1415	3.4	2330	2.4
2000	2.9	0515	2.9	1430	3.4	2345	2.4
2015	2.9	0530	2.9	1445	3.4	2400	2.4
2030	2.9						
MAY 2-3, 1981							
2315	1.3	0315	3.4	0715	3.0	1115	2.2
2330	1.4	0330	3.3	0730	2.9	1130	2.2
2345	1.5	0345	3.3	0745	2.9	1145	2.1

TABLE 5.--Continued

10172220 RED BUTTE CREEK BELOW RESERVOIR, NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 2-3, 1981--CONTINUED

2400	1.6	0400	3.4	0800	2.8	1200	2.1
		0415	3.4	0815	2.7	1215	2.1
0015	1.7	0430	3.4	0830	2.6	1230	2.1
0030	1.6	0445	3.1	0845	2.4	1245	2.1
0045	1.5	0500	3.0	0900	2.5	1300	2.1
0100	1.8	0515	3.0	0915	2.5	1315	2.1
0115	2.0	0530	3.1	0930	2.7	1330	2.1
0130	2.2	0545	3.1	0945	2.5	1345	2.1
0145	2.4	0600	3.1	1000	2.4	1400	2.0
0200	2.8	0615	3.0	1015	2.2	1415	2.0
0215	3.0	0630	3.2	1030	2.2	1430	1.9
0230	3.1	0645	3.1	1045	2.2	1445	1.9
0245	3.3	0700	3.0	1100	2.2	1500	1.9
0300	3.4						

MAY 8, 1981

0615	1.3	0930	2.2	1245	2.1	1600	2.0
0630	1.4	0945	2.3	1300	2.1	1615	1.9
0645	1.5	1000	2.4	1315	2.1	1630	1.9
0700	1.6	1015	2.6	1330	2.1	1645	1.9
0715	1.5	1030	2.5	1345	2.1	1700	1.9
0730	1.6	1045	2.4	1400	2.1	1715	1.9
0745	1.6	1100	2.2	1415	2.1	1730	1.9
0800	1.8	1115	2.2	1430	2.1	1745	1.9
0815	1.9	1130	2.2	1445	2.0	1800	1.9
0830	1.9	1145	2.2	1500	2.0	1815	1.9
0845	1.9	1200	2.2	1515	2.0	1830	1.9
0900	2.0	1215	2.2	1530	2.0	1845	1.9
0915	2.1	1230	2.2	1545	2.0		

MAY 10-11, 1981

2300	2.2	0045	2.3	0245	2.7	0430	2.5
2315	2.3	0100	2.4	0300	2.8	0445	2.5
2330	2.5	0115	2.6	0315	2.7	0500	2.5
2345	2.8	0130	2.6	0330	2.7	0515	2.4
2400	2.7	0145	2.7	0345	2.7	0530	2.4
		0200	2.7	0400	2.6	0545	2.4
0015	2.5	0215	2.7	0415	2.6	0600	2.3
0030	2.3	0230	2.7				

TABLE 5.--Continued

10172220 RED BUTTE CREEK BELOW RESERVOIR, NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981

0630	1.6	1515	4.1	2400	4.9	0830	3.7
0645	1.7	1530	3.8			0845	3.8
0700	1.9	1545	3.8	0015	4.9	0900	3.8
0715	1.9	1600	3.7	0030	4.8	0915	3.8
0730	1.9	1615	3.6	0045	4.8	0930	4.1
0745	2.0	1630	3.5	0100	4.8	0945	4.1
0800	2.1	1645	3.4	0115	4.8	1000	4.1
0815	2.0	1700	3.4	0130	4.7	1015	4.4
0830	1.9	1715	3.4	0145	4.7	1030	4.3
0845	1.9	1730	3.3	0200	4.6	1045	4.3
0900	1.9	1745	3.2	0215	4.1	1100	4.3
0915	2.0	1800	3.1	0230	4.0	1115	4.1
0930	1.9	1815	3.1	0245	3.9	1130	4.0
0945	1.9	1830	3.0	0300	3.9	1145	4.0
1000	1.9	1845	2.9	0315	3.8	1200	3.9
1015	1.9	1900	2.9	0330	3.8	1215	3.8
1030	2.2	1915	2.8	0345	3.8	1230	3.8
1045	2.3	1930	2.8	0400	3.8	1245	3.7
1100	2.4	1945	2.7	0415	3.8	1300	3.6
1115	3.1	2000	2.7	0430	3.8	1315	3.5
1130	3.2	2015	2.7	0445	3.7	1330	3.5
1145	3.5	2030	2.7	0500	3.6	1345	3.4
1200	3.8	2045	3.4	0515	3.5	1400	3.4
1215	4.1	2100	3.6	0530	3.4	1415	3.4
1230	4.2	2115	3.8	0545	3.4	1430	3.4
1245	4.4	2130	4.0	0600	3.4	1445	3.4
1300	4.7	2145	4.2	0615	3.3	1500	3.4
1315	4.6	2200	4.4	0630	3.3	1515	3.4
1330	4.6	2215	4.5	0645	3.2	1530	3.4
1345	4.5	2230	4.4	0700	3.2	1545	3.4
1400	4.5	2245	4.5	0715	3.2	1600	3.4
1415	4.5	2300	4.7	0730	3.2	1615	3.4
1430	4.5	2315	4.9	0745	3.3	1630	3.4
1445	4.4	2330	5.0	0800	3.4	1645	3.4
1500	4.4	2345	5.0	0815	3.7		

MAY 20, 1981

0630	4.7	0945	4.4	1300	5.6	1600	5.0
0645	4.8	1000	4.5	1315	5.8	1615	4.9
0700	4.9	1015	4.4	1330	5.7	1630	4.8

TABLE 5.--Continued

10172220 RED BUTTE CREEK BELOW RESERVOIR, NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 20, 1981--CONTINUED

0715	5.0	1030	4.4	1345	5.3	1645	4.8
0730	4.7	1045	4.5	1400	5.3	1700	4.8
0745	4.6	1100	4.5	1415	5.2	1715	4.7
0800	4.4	1115	4.6	1430	5.2	1730	4.6
0815	4.4	1130	4.8	1445	5.2	1745	4.6
0830	4.5	1145	4.9	1500	5.1	1800	4.5
0845	4.5	1200	4.9	1515	5.1	1815	4.5
0900	4.5	1215	4.9	1530	5.0	1830	4.5
0915	4.6	1230	5.2	1545	5.1	1845	4.5
0930	4.5	1245	5.3				

MAY 21, 1981

0300	5.1	0700	8.3	1045	7.2	1430	8.4
0315	5.2	0715	8.4	1100	7.0	1445	8.6
0330	5.3	0730	8.3	1115	7.0	1500	8.6
0345	5.6	0745	8.2	1130	6.9	1515	8.8
0400	5.8	0800	8.2	1145	6.9	1530	8.9
0415	6.1	0815	8.0	1200	6.8	1545	9.2
0430	6.6	0830	7.9	1215	7.0	1600	9.6
0445	6.8	0845	7.8	1230	7.2	1615	9.6
0500	7.2	0900	7.6	1245	7.4	1630	9.6
0515	7.4	0915	7.6	1300	7.5	1645	9.6
0530	7.8	0930	7.5	1315	7.8	1700	9.7
0545	7.9	0945	7.5	1330	7.9	1715	10
0600	8.0	1000	7.4	1345	8.0	1730	10
0615	8.2	1015	7.3	1400	8.3	1745	10
0630	8.2	1030	7.3	1415	8.3	1800	10
0645	8.2						

MAY 27, 1981

0400	6.0	0630	6.2	0900	6.1	1130	6.5
0415	5.9	0645	6.1	0915	6.1	1145	6.3
0430	5.9	0700	6.1	0930	6.3	1200	6.2
0445	5.9	0715	6.1	0945	6.5	1215	6.1
0500	6.1	0730	6.1	1000	6.6	1230	6.1
0515	6.2	0745	6.1	1015	6.7	1245	6.0
0530	6.2	0800	6.0	1030	6.8	1300	6.0
0545	6.2	0815	6.0	1045	6.8	1315	6.0
0600	6.2	0830	6.0	1100	6.7	1330	6.0
0615	6.2	0845	6.0	1115	6.6		

TABLE 5.--Continued

10172220 RED BUTTE CREEK BELOW RESERVOIR, NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JUNE 2-3, 1981							
1715	4.3	0015	6.3	0730	5.2	1445	5.3
1730	4.4	0030	6.1	0745	5.2	1500	5.3
1745	4.5	0045	6.0	0800	5.1	1515	5.4
1800	4.5	0100	5.9	0815	5.1	1530	5.3
1815	4.6	0115	5.9	0830	5.0	1545	5.3
1830	4.7	0130	5.8	0845	5.0	1600	5.3
1845	4.8	0145	5.7	0900	5.0	1615	5.4
1900	4.8	0200	5.3	0915	5.0	1630	5.3
1915	4.8	0215	5.3	0930	5.0	1645	5.3
1930	4.8	0230	5.3	0945	4.9	1700	5.2
1945	4.8	0245	5.2	1000	4.8	1715	5.1
2000	6.6	0300	5.0	1015	4.8	1730	5.1
2015	7.5	0315	4.9	1030	4.8	1745	5.0
2030	7.9	0330	4.9	1045	4.8	1800	4.9
2045	8.0	0345	4.8	1100	4.8	1815	4.9
2100	8.2	0400	4.8	1115	4.8	1830	4.8
2115	8.0	0415	4.8	1130	4.8	1845	4.8
2130	7.8	0430	4.7	1145	5.2	1900	4.7
2145	7.6	0445	4.7	1200	5.3	1915	4.7
2200	7.4	0500	4.6	1215	5.3	1930	4.7
2215	7.2	0515	4.5	1230	5.3	1945	4.7
2230	7.0	0530	4.5	1245	5.2	2000	4.7
2245	6.9	0545	4.5	1300	5.2	2015	4.7
2300	6.9	0600	4.5	1315	5.1	2030	4.7
2315	6.8	0615	4.5	1330	5.1	2045	4.8
2330	6.7	0630	4.5	1345	5.1	2100	4.9
2345	6.6	0645	5.2	1400	5.2	2115	5.0
2400	6.6	0700	5.2	1415	5.2	2130	4.9
		0715	5.2	1430	5.3	2145	4.9

TABLE 5.--Continued

10172220 RED BUTTE BELOW RESERVOIR, NEAR SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JUNE 14, 1981							
0015	2.8	0415	3.0	0815	2.3	1215	2.5
0030	2.8	0430	3.0	0830	2.3	1230	2.5
0045	2.9	0445	2.9	0845	2.3	1245	2.5
0100	2.9	0500	2.8	0900	2.3	1300	2.5
0115	3.0	0515	2.8	0915	2.3	1315	2.5
0130	3.0	0530	2.8	0930	2.3	1330	2.5
0145	3.0	0545	2.8	0945	2.4	1345	2.5
0200	2.9	0600	2.7	1000	2.4	1400	2.5
0215	2.8	0615	2.7	1015	2.4	1415	2.5
0230	2.8	0630	2.7	1030	2.4	1430	2.5
0245	2.8	0645	2.6	1045	2.4	1445	2.5
0300	2.8	0700	2.6	1100	2.4	1500	2.5
0315	2.8	0715	2.5	1115	2.4	1515	2.5
0330	2.9	0730	2.5	1130	2.5	1530	2.5
0345	3.0	0745	2.4	1145	2.5	1545	2.5
0400	3.0	0800	2.3	1200	2.5		

TABLE 5.--Continued

10172350 THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 26, 1980							
1115	9.5	1415	23	1715	17	2015	12
1130	11	1430	23	1730	16	2030	12
1145	12	1445	23	1745	16	2045	11
1200	12	1500	24	1800	14	2100	10
1215	13	1515	27	1815	14	2115	10
1230	15	1530	33	1830	14	2130	10
1245	14	1545	28	1845	13	2145	10
1300	14	1600	23	1900	12	2200	10
1315	17	1615	23	1915	12	2215	10
1330	19	1630	21	1930	12	2230	10
1345	21	1645	19	1945	12	2245	9.5
1400	22	1700	18	2000	12		
MARCH 26-27, 1981							
1115	14	2045	30	0545	32	1500	59
1130	15	2100	29	0600	32	1515	58
1145	16	2115	29	0615	35	1530	57
1200	17	2130	29	0630	40	1545	58
1215	21	2145	29	0645	44	1600	61
1230	26	2200	29	0700	42	1615	60
1245	32	2215	29	0715	41	1630	57
1300	56	2230	29	0730	41	1645	48
1315	89	2245	29	0745	44	1700	44
1330	108	2300	29	0800	44	1715	42
1345	120	2315	29	0815	44	1730	41
1400	119	2330	29	0830	44	1745	37
1415	113	2345	28	0845	48	1800	33
1430	106	2400	28	0900	48	1815	31
1445	116			0915	50	1830	29
1500	104	0015	27	0930	48	1845	26
1515	94	0030	27	0945	48	1900	25
1530	94	0045	29	1000	47	1915	25
1545	88	0100	29	1015	50	1930	25
1600	76	0115	30	1030	51	1945	23
1615	71	0130	33	1045	54	2000	23
1630	61	0145	35	1100	54	2015	23
1645	65	0200	38	1115	53	2030	22
1700	63	0215	38	1130	49	2045	21
1715	62	0230	38	1145	47	2100	21
1730	60	0245	41	1200	47	2115	21
1745	57	0300	41	1215	45	2130	21
1800	56	0315	41	1230	44	2145	20

TABLE 5.--Continued

10172350 THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26-27, 1981--CONTINUED

1815	51	0330	41	1245	39	2200	20
1830	50	0345	39	1300	36	2215	20
1845	47	0400	35	1315	36	2230	19
1900	43	0415	35	1330	39	2245	18
1915	39	0430	34	1345	41	2300	18
1930	35	0445	34	1400	42	2315	18
1945	33	0500	34	1415	45	2330	18
2000	32	0515	33	1430	49	2345	17
2015	32	0530	32	1445	58	2400	17
2030	31						

MAY 2-3, 1981

2315	25	0315	222	0715	81	1115	55
2330	30	0330	236	0730	73	1130	52
2345	88	0345	251	0745	68	1145	52
2400	173	0400	265	0800	67	1200	49
		0415	248	0815	64	1215	49
0015	202	0430	229	0830	62	1230	49
0030	198	0445	200	0845	59	1245	47
0045	177	0500	187	0900	58	1300	48
0100	163	0515	161	0915	56	1315	50
0115	155	0530	146	0930	55	1330	50
0130	132	0545	130	0945	56	1345	48
0145	112	0600	116	1000	57	1400	47
0200	115	0615	107	1015	55	1415	47
0215	133	0630	101	1030	56	1430	46
0230	153	0645	93	1045	57	1445	46
0245	169	0700	88	1100	55	1500	43
0300	213						

MAY 8, 1981

0615	35	0930	126	1245	111	1600	44
0630	35	0945	126	1300	99	1615	44
0645	36	1000	119	1315	90	1630	44
0700	36	1015	154	1330	78	1645	43
0715	42	1030	137	1345	73	1700	43
0730	50	1045	138	1400	70	1715	43
0745	59	1100	151	1415	64	1730	43
0800	71	1115	144	1430	58	1745	39
0815	80	1130	139	1445	54	1800	39
0830	77	1145	133	1500	49	1815	39

TABLE 5.--Continued

10172350 THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 8, 1981--CONTINUED

0845	74	1200	140	1515	49	1830	38
0900	86	1215	128	1530	48	1845	34
0915	98	1230	125	1545	44		

MAY 10-11, 1981

2300	35	0045	137	0245	61	0430	46
2315	39	0100	114	0300	57	0445	44
2330	48	0115	106	0315	55	0500	43
2345	80	0130	101	0330	53	0515	43
2400	113	0145	88	0345	51	0530	41
		0200	80	0400	49	0545	40
0015	142	0215	73	0415	48	0600	39
0030	151	0230	66				

MAY 15-16, 1981

0630	38	1515	135	2400	188	0830	66
0645	40	1530	132			0845	64
0700	42	1545	130	0015	192	0900	62
0715	48	1600	123	0030	202	0915	62
0730	78	1615	112	0045	222	0930	62
0745	107	1630	109	0100	231	0945	64
0800	108	1645	101	0115	233	1000	75
0815	100	1700	90	0130	215	1015	99
0830	104	1715	85	0145	189	1030	100
0845	96	1730	82	0200	173	1045	98
0900	88	1745	77	0215	164	1100	93
0915	82	1800	75	0230	152	1115	95
0930	74	1815	68	0245	138	1130	102
0945	71	1830	65	0300	127	1145	107
1000	66	1845	61	0315	121	1200	109
1015	64	1900	60	0330	116	1215	106
1030	63	1915	59	0345	109	1230	106
1045	61	1930	57	0400	101	1245	97
1100	59	1945	55	0415	95	1300	90
1115	55	2000	52	0430	88	1315	82
1130	55	2015	51	0445	87	1330	76
1145	57	2030	51	0500	87	1345	72
1200	64	2045	50	0515	89	1400	67
1215	75	2100	51	0530	89	1415	65

TABLE 5.--Continued

10172350 THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981--CONTINUED

1230	120	2115	51	0545	88	1430	64
1245	148	2130	50	0600	87	1445	62
1300	152	2145	53	0615	85	1500	61
1315	167	2200	57	0630	83	1515	59
1330	192	2215	68	0645	83	1530	58
1345	209	2230	80	0700	80	1545	57
1400	207	2245	98	0715	79	1600	56
1415	175	2300	107	0730	76	1615	57
1430	163	2315	137	0745	72	1630	56
1445	152	2330	162	0800	70	1645	54
1500	140	2345	183	0815	67		

MAY 20, 1981

0630	38	0945	53	1300	59	1600	58
0645	38	1000	53	1315	60	1615	57
0700	39	1015	53	1330	61	1630	56
0715	42	1030	52	1345	61	1645	53
0730	43	1045	50	1400	66	1700	53
0745	45	1100	49	1415	69	1715	52
0800	48	1115	49	1430	71	1730	51
0815	50	1130	50	1445	71	1745	49
0830	51	1145	49	1500	71	1800	49
0845	53	1200	48	1515	72	1815	49
0900	52	1215	48	1530	67	1830	48
0915	52	1230	50	1545	64	1845	46
0930	53	1245	53				

MAY 21, 1981

0300	45	0700	128	1045	64	1430	76
0315	46	0715	120	1100	64	1445	82
0330	47	0730	116	1115	61	1500	89
0345	49	0745	115	1130	58	1515	98
0400	49	0800	109	1145	58	1530	103
0415	51	0815	104	1200	58	1545	102
0430	54	0830	94	1215	58	1600	97
0445	58	0845	89	1230	58	1615	95
0500	65	0900	85	1245	58	1630	89
0515	72	0915	82	1300	57	1645	84
0530	84	0930	79	1315	57	1700	83

TABLE 5.--Continued

10172350 THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 21, 1981--CONTINUED

0545	103	0945	75	1330	55	1715	80
0600	118	1000	71	1345	56	1730	78
0615	127	1015	67	1400	58	1745	77
0630	139	1030	66	1415	65	1800	76
0645	135						

MAY 27, 1981

0400	72	0630	84	0900	108	1130	112
0415	75	0645	84	0915	105	1145	103
0430	78	0700	83	0930	97	1200	96
0445	81	0715	82	0945	103	1215	89
0500	82	0730	80	1000	108	1230	82
0515	83	0745	80	1015	119	1245	76
0530	86	0800	80	1030	132	1300	74
0545	85	0815	86	1045	134	1315	73
0600	84	0830	96	1100	128	1330	72
0615	84	0845	95	1115	120		

JUNE 2-3, 1981

1715	61	0015	75	0730	88	1445	117
1730	61	0030	75	0745	88	1500	113
1745	63	0045	76	0800	88	1515	111
1800	65	0100	76	0815	91	1530	112
1815	75	0115	76	0830	96	1545	108
1830	72	0130	76	0845	100	1600	107
1845	67	0145	77	0900	98	1615	102
1900	64	0200	77	0915	96	1630	101
1915	62	0215	77	0930	94	1645	99
1930	63	0230	78	0945	96	1700	98
1945	67	0245	81	1000	96	1715	97
2000	70	0300	81	1015	103	1730	94
2015	78	0315	81	1030	142	1745	94
2030	88	0330	82	1045	186	1800	92
2045	89	0345	83	1100	226	1815	89
2100	91	0400	84	1115	248	1830	88
2115	91	0415	84	1130	227	1845	86
2130	86	0430	85	1145	248	1900	88
2145	85	0445	86	1200	250	1915	85
2200	83	0500	89	1215	244	1930	83
2215	82	0515	86	1230	237	1945	83

TABLE 5.--Continued

10172350 THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 2-3, 1981--CONTINUED

2230	79	0530	86	1245	218	2000	82
2245	77	0545	86	1300	191	2015	82
2300	77	0600	86	1315	173	2030	80
2315	77	0615	86	1330	158	2045	78
2330	77	0630	87	1345	138	2100	78
2345	75	0645	88	1400	134	2115	78
2400	75	0700	89	1415	134	2130	77
		0715	89	1430	127	2145	76

JUNE 14, 1981

0015	31	0415	57	0815	68	1215	44
0030	38	0430	56	0830	83	1230	43
0045	44	0445	53	0845	99	1245	42
0100	48	0500	52	0900	105	1300	42
0115	54	0515	52	0915	106	1315	42
0130	60	0530	52	0930	106	1330	41
0145	69	0545	50	0945	97	1345	38
0200	78	0600	50	1000	80	1400	38
0215	87	0615	50	1015	74	1415	38
0230	92	0630	51	1030	66	1430	38
0245	86	0645	53	1045	59	1445	38
0300	80	0700	53	1100	52	1500	38
0315	74	0715	53	1115	52	1515	38
0330	68	0730	55	1130	49	1530	38
0345	62	0745	55	1145	47	1545	37
0400	59	0800	55	1200	44		

SEPTEMBER 5, 1981

1300	21	1430	107	1545	42	1700	27
1315	28	1445	94	1600	35	1715	25
1330	47	1500	85	1615	33	1730	23
1345	103	1515	65	1630	31	1745	22
1400	153	1530	56	1645	28	1800	20
1415	140						

TABLE 5.--Continued

10172351 SOUTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 26, 1980							
1115	2.5	1415	4.0	1715	9.0	2015	4.3
1130	2.8	1430	5.0	1730	8.1	2030	4.0
1145	3.1	1445	5.9	1745	7.1	2045	3.7
1200	3.4	1500	6.5	1800	6.8	2100	3.4
1215	4.3	1515	11	1815	6.2	2115	3.4
1230	5.6	1530	14	1830	5.9	2130	3.4
1245	4.3	1545	13	1845	5.3	2145	3.1
1300	3.4	1600	12	1900	4.3	2200	3.1
1315	3.4	1615	12	1915	4.3	2215	3.1
1330	3.4	1630	11	1930	4.3	2230	3.1
1345	3.1	1645	10	1945	4.3	2245	2.5
1400	3.1	1700	9.3	2000	4.3		
MARCH 26-27, 1981							
1115	3.7	2045	12	0545	12	1500	23
1130	3.7	2100	12	0600	12	1515	22
1145	4.3	2115	12	0615	15	1530	21
1200	5.0	2130	12	0630	18	1545	22
1215	7.1	2145	12	0645	19	1600	25
1230	8.7	2200	12	0700	19	1615	26
1245	9.9	2215	12	0715	19	1630	24
1300	19	2230	12	0730	19	1645	19
1315	26	2245	12	0745	19	1700	16
1330	29	2300	12	0800	19	1715	16
1345	32	2315	12	0815	19	1730	16
1400	34	2330	12	0830	19	1745	14
1415	33	2345	12	0845	20	1800	11
1430	32	2400	12	0900	20	1815	10
1445	32			0915	19	1830	9.3
1500	31	0015	11	0930	19	1845	8.4
1515	30	0030	11	0945	19	1900	7.7
1530	32	0045	12	1000	18	1915	7.7
1545	31	0100	12	1015	19	1930	7.7
1600	30	0115	12	1030	20	1945	7.0
1615	26	0130	13	1045	21	2000	7.0
1630	19	0145	14	1100	21	2015	7.0
1645	26	0200	15	1115	20	2030	7.0
1700	26	0215	15	1130	20	2045	7.0
1715	25	0230	15	1145	19	2100	7.0
1730	24	0245	16	1200	19	2115	7.0

TABLE 5.--Continued

10172351 SOUTH CONDUIT OF THIRTEENTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26-27, 1981--CONTINUED

1745	22	0300	16	1215	17	2130	7.0
1800	22	0315	16	1230	16	2145	6.2
1815	19	0330	16	1245	15	2200	6.2
1830	19	0345	16	1300	14	2215	6.2
1845	18	0400	13	1315	14	2230	6.2
1900	15	0415	13	1330	16	2245	6.2
1915	14	0430	12	1345	18	2300	6.2
1930	12	0445	11	1400	17	2315	6.2
1945	12	0500	11	1415	19	2330	6.2
2000	12	0515	11	1430	20	2345	6.2
2015	12	0530	11	1445	22	2400	6.2
2030	12						

MAY 2-3, 1981

2315	5.4	0315	67	0715	25	1115	16
2330	10	0330	67	0730	22	1130	15
2345	40	0345	68	0745	20	1145	15
2400	66	0400	70	0800	19	1200	13
		0415	71	0815	18	1215	13
0015	77	0430	68	0830	17	1230	13
0030	71	0445	61	0845	16	1245	13
0045	67	0500	54	0900	16	1300	14
0100	64	0515	48	0915	16	1315	16
0115	59	0530	45	0930	16	1330	16
0130	53	0545	40	0945	17	1345	14
0145	47	0600	37	1000	18	1400	13
0200	50	0615	33	1015	16	1415	13
0215	56	0630	31	1030	17	1430	14
0230	62	0645	29	1045	18	1445	14
0245	64	0700	28	1100	16	1500	12
0300	67						

MAY 8, 1981

0615	6.2	0930	38	1245	32	1600	8.4
0630	6.2	0945	39	1300	29	1615	8.4
0645	7.0	1000	40	1315	26	1630	7.7
0700	7.0	1015	46	1330	21	1645	7.0
0715	10	1030	50	1345	19	1700	7.0
0730	14	1045	54	1400	19	1715	7.0
0745	17	1100	52	1415	16	1730	7.0
0800	23	1115	48	1430	13	1745	7.0

TABLE 5.--Continued

10172351 SOUTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 8, 1981--CONTINUED

0815	26	1130	43	1445	12	1800	7.0
0830	26	1145	40	1500	10	1815	7.0
0845	26	1200	38	1515	10	1830	6.2
0900	29	1215	35	1530	9.2	1845	5.4
0915	34	1230	35	1545	8.4		

MAY 10-11, 1981

2300	6.2	0045	53	0245	19	0430	10
2315	10	0100	46	0300	17	0445	9.3
2330	19	0115	41	0315	15	0500	9.3
2345	32	0130	37	0330	14	0515	9.3
2400	51	0145	30	0345	12	0530	9.3
		0200	27	0400	12	0545	8.4
0015	58	0215	23	0415	11	0600	8.4
0030	58	0230	21				

MAY 15-16, 1981

0630	6.2	1515	48	2400	66	0830	16
0645	6.2	1530	47			0845	16
0700	7.7	1545	46	0015	64	0900	16
0715	12	1600	43	0030	66	0915	16
0730	30	1615	39	0045	67	0930	16
0745	42	1630	39	0100	67	0945	16
0800	41	1645	37	0115	67	1000	22
0815	36	1700	37	0130	58	1015	32
0830	39	1715	35	0145	53	1030	35
0845	36	1730	32	0200	49	1045	33
0900	31	1745	29	0215	46	1100	31
0915	29	1800	27	0230	44	1115	31
0930	26	1815	25	0245	40	1130	35
0945	23	1830	23	0300	37	1145	36
1000	21	1845	21	0315	36	1200	36
1015	21	1900	20	0330	36	1215	35
1030	20	1915	19	0345	33	1230	33
1045	19	1930	17	0400	30	1245	32
1100	17	1945	16	0415	28	1300	30

TABLE 5.--Continued

10172351 SOUTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981--CONTINUED

1115	16	2000	15	0430	26	1315	26
1130	16	2015	14	0445	27	1330	23
1145	17	2030	14	0500	27	1345	22
1200	21	2045	13	0515	29	1400	19
1215	32	2100	14	0530	29	1415	17
1230	49	2115	14	0545	29	1430	16
1245	58	2130	13	0600	28	1445	16
1300	58	2145	16	0615	26	1500	15
1315	60	2200	20	0630	26	1515	14
1330	64	2215	28	0645	26	1530	13
1345	67	2230	34	0700	24	1545	14
1400	65	2245	45	0715	23	1600	13
1415	60	2300	48	0730	23	1615	14
1430	56	2315	60	0745	21	1630	13
1445	53	2330	69	0800	19	1645	12
1500	50	2345	70	0815	17		

MAY 20, 1981

0630	9.3	0945	19	1300	23	1600	19
0645	9.3	1000	19	1315	24	1615	18
0700	10	1015	19	1330	24	1630	17
0715	13	1030	18	1345	24	1645	16
0730	14	1045	16	1400	26	1700	16
0745	16	1100	15	1415	29	1715	15
0800	16	1115	15	1430	29	1730	14
0815	18	1130	16	1445	29	1745	13
0830	19	1145	15	1500	28	1800	13
0845	19	1200	14	1515	29	1815	13
0900	18	1215	14	1530	25	1830	12
0915	18	1230	16	1545	24	1845	12
0930	19	1245	19				

MAY 21, 1981

0300	9.3	0700	49	1045	19	1430	26
0315	10	0715	46	1100	19	1445	29
0330	11	0730	43	1115	18	1500	32
0345	12	0745	42	1130	16	1515	36
0400	12	0800	39	1145	16	1530	38
0415	14	0815	36	1200	16	1545	37

TABLE 5.--Continued

10172351 SOUTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 21, 1981--CONTINUED

0430	15	0830	32	1215	16	1600	37
0445	18	0845	32	1230	16	1615	35
0500	22	0900	29	1245	16	1630	32
0515	26	0915	28	1300	15	1645	30
0530	34	0930	28	1315	15	1700	29
0545	43	0945	25	1330	15	1715	27
0600	50	1000	23	1345	16	1730	27
0615	53	1015	21	1400	16	1745	26
0630	55	1030	21	1415	20	1800	26
0645	53						

MAY 27, 1981

0400	22	0630	30	0900	40	1130	38
0415	24	0645	30	0915	41	1145	35
0430	25	0700	29	0930	37	1200	32
0445	27	0715	28	0945	39	1215	30
0500	28	0730	26	1000	40	1230	28
0515	29	0745	26	1015	43	1245	26
0530	32	0800	26	1030	48	1300	24
0545	31	0815	29	1045	47	1315	23
0600	30	0830	32	1100	44	1330	22
0615	30	0845	35	1115	41		

JUNE 2-3, 1981

1715	16	0015	19	0730	22	1445	35
1730	16	0030	19	0745	23	1500	34
1745	18	0045	19	0800	23	1515	34
1800	20	0100	19	0815	23	1530	35
1815	29	0115	19	0830	26	1545	33
1830	26	0130	19	0845	29	1600	33
1845	21	0145	20	0900	27	1615	29
1900	18	0200	20	0915	28	1630	28
1915	16	0215	20	0930	27	1645	32
1930	17	0230	21	0945	29	1700	32
1945	19	0245	22	1000	29	1715	32
2000	22	0300	22	1015	33	1730	31
2015	30	0315	22	1030	48	1745	32

TABLE 5.--Continued

10172351 SOUTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 2-3, 1981--CONTINUED

2030	32	0330	22	1045	56	1800	32
2045	32	0345	22	1100	65	1815	29
2100	32	0400	22	1115	67	1830	28
2115	31	0415	22	1130	67	1845	26
2130	29	0430	22	1145	68	1900	29
2145	28	0445	22	1200	67	1915	28
2200	27	0500	25	1215	66	1930	26
2215	25	0515	22	1230	60	1945	26
2230	22	0530	22	1245	60	2000	26
2245	20	0545	22	1300	55	2015	26
2300	20	0600	22	1315	49	2030	25
2315	20	0615	22	1330	45	2045	24
2330	20	0630	22	1345	40	2100	24
2345	19	0645	22	1400	40	2115	24
2400	19	0700	22	1415	36	2130	23
		0715	22	1430	36	2145	22

JUNE 14, 1981

0015	11	0415	16	0815	18	1215	16
0030	13	0430	16	0830	24	1230	15
0045	15	0445	15	0845	32	1245	14
0100	14	0500	15	0900	32	1300	14
0115	15	0515	15	0915	33	1315	14
0130	17	0530	15	0930	32	1330	13
0145	21	0545	14	0945	30	1345	12
0200	25	0600	14	1000	26	1400	12
0215	28	0615	14	1015	24	1415	12
0230	28	0630	15	1030	21	1430	12
0245	26	0645	16	1045	19	1445	12
0300	26	0700	16	1100	18	1500	12
0315	23	0715	16	1115	18	1515	12
0330	20	0730	16	1130	17	1530	12
0345	17	0745	15	1145	16	1545	12
0400	16	0800	15	1200	16		

TABLE 5.--Continued

10172351 SOUTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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SEPTEMBER 5, 1981

1300	5.4	1430	31	1545	13	1700	8.2
1315	7.7	1445	27	1600	10	1715	7.7
1330	16	1500	25	1615	10	1730	7.0
1345	30	1515	19	1630	8.2	1745	7.0
1400	40	1530	16	1645	8.2	1800	6.2
1415	38						

TABLE 5.--Continued

10172352 NORTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 26, 1980							
1115	7.0	1415	19	1715	8.4	2015	7.7
1130	7.7	1430	18	1730	8.4	2030	7.7
1145	8.4	1445	17	1745	8.4	2045	7.0
1200	8.4	1500	17	1800	7.7	2100	7.0
1215	8.4	1515	16	1815	7.7	2115	7.0
1230	9.2	1530	19	1830	7.7	2130	7.0
1245	10	1545	15	1845	7.7	2145	7.0
1300	11	1600	11	1900	7.7	2200	7.0
1315	14	1615	11	1915	7.7	2215	7.0
1330	16	1630	10	1930	7.7	2230	7.0
1345	18	1645	9.3	1945	7.7	2245	7.0
1400	19	1700	8.4	2000	7.7		
MARCH 26-27, 1981							
1115	10	2045	18	0545	20	1500	36
1130	11	2100	17	0600	20	1515	36
1145	12	2115	17	0615	20	1530	36
1200	12	2130	17	0630	22	1545	36
1215	14	2145	17	0645	25	1600	36
1230	17	2200	17	0700	23	1615	34
1245	22	2215	17	0715	22	1630	33
1300	37	2230	17	0730	22	1645	29
1315	63	2245	17	0745	25	1700	28
1330	79	2300	17	0800	25	1715	26
1345	88	2315	17	0815	25	1730	25
1400	85	2330	17	0830	25	1745	23
1415	80	2345	16	0845	28	1800	22
1430	74	2400	16	0900	28	1815	21
1445	84			0915	31	1830	20
1500	73	0015	16	0930	29	1845	18
1515	64	0030	16	0945	29	1900	17
1530	62	0045	17	1000	29	1915	17
1545	57	0100	17	1015	31	1930	17
1600	46	0115	18	1030	31	1945	16
1615	45	0130	20	1045	33	2000	16
1630	42	0145	21	1100	33	2015	16
1645	39	0200	23	1115	33	2030	15
1700	37	0215	23	1130	29	2045	14
1715	37	0230	23	1145	28	2100	14
1730	36	0245	25	1200	28	2115	14
1745	35	0300	25	1215	28	2130	14

TABLE 5.--Continued

10172352 NORTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26-27, 1981--CONTINUED

1800	34	0315	25	1230	28	2145	14
1815	32	0330	25	1245	24	2200	14
1830	31	0345	23	1300	22	2215	14
1845	29	0400	22	1315	22	2230	13
1900	28	0415	22	1330	23	2245	12
1915	25	0430	22	1345	23	2300	12
1930	23	0445	23	1400	25	2315	12
1945	21	0500	23	1415	26	2330	12
2000	20	0515	22	1430	29	2345	11
2015	20	0530	21	1445	36	2400	11
2030	19						

MAY 2-3, 1981

2315	20	0315	155	0715	56	1115	39
2330	20	0330	169	0730	51	1130	37
2345	48	0345	183	0745	48	1145	37
2400	107	0400	195	0800	48	1200	36
		0415	177	0815	46	1215	36
0015	125	0430	161	0830	45	1230	36
0030	127	0445	139	0845	43	1245	34
0045	110	0500	133	0900	42	1300	34
0100	99	0515	113	0915	40	1315	34
0115	96	0530	101	0930	39	1330	34
0130	79	0545	90	0945	39	1345	34
0145	65	0600	79	1000	39	1400	34
0200	65	0615	74	1015	39	1415	34
0215	77	0630	70	1030	39	1430	32
0230	91	0645	64	1045	39	1445	32
0245	105	0700	60	1100	39	1500	31
0300	146						

MAY 8, 1981

0615	29	0930	88	1245	79	1600	36
0630	29	0945	87	1300	70	1615	36
0645	29	1000	79	1315	64	1630	36
0700	29	1015	108	1330	57	1645	36
0715	32	1030	87	1345	54	1700	36
0730	36	1045	84	1400	51	1715	36
0745	42	1100	99	1415	48	1730	36
0800	48	1115	96	1430	45	1745	32
0815	54	1130	96	1445	42	1800	32

TABLE 5.--Continued

10172352 NORTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 8, 1981--CONTINUED

0830	51	1145	93	1500	39	1815	32
0845	48	1200	102	1515	39	1830	32
0900	57	1215	93	1530	39	1845	29
0915	64	1230	90	1545	36		

MAY 10-11, 1981

2300	29	0045	84	0245	42	0430	36
2315	29	0100	68	0300	40	0445	35
2330	29	0115	65	0315	40	0500	34
2345	48	0130	64	0330	39	0515	34
2400	62	0145	58	0345	39	0530	32
		0200	53	0400	37	0545	32
0015	84	0215	50	0415	37	0600	31
0030	93	0230	45				

MAY 15-16, 1981

0630	32	1515	87	2400	122	0830	50
0645	34	1530	85			0845	48
0700	34	1545	84	0015	128	0900	46
0715	36	1600	80	0030	136	0915	46
0730	48	1615	73	0045	155	0930	46
0745	65	1630	70	0100	164	0945	48
0800	67	1645	64	0115	166	1000	53
0815	64	1700	53	0130	157	1015	67
0830	65	1715	50	0145	136	1030	65
0845	60	1730	50	0200	124	1045	65
0900	57	1745	48	0215	118	1100	62
0915	53	1800	48	0230	108	1115	64
0930	48	1815	43	0245	98	1130	67
0945	48	1830	42	0300	90	1145	71
1000	45	1845	40	0315	85	1200	73
1015	43	1900	40	0330	80	1215	71
1030	43	1915	40	0345	76	1230	73
1045	42	1930	40	0400	71	1245	65
1100	42	1945	39	0415	67	1300	60
1115	39	2000	37	0430	62	1315	56
1130	39	2015	37	0445	60	1330	53
1145	40	2030	37	0500	60	1345	50
1200	43	2045	37	0515	60	1400	48

TABLE 5.--Continued

10172352 NORTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 15-16, 1981--CONTINUED

1215	43	2100	37	0530	60	1415	48
1230	71	2115	37	0545	59	1430	48
1245	90	2130	37	0600	59	1445	46
1300	94	2145	37	0615	59	1500	46
1315	107	2200	37	0630	57	1515	45
1330	128	2215	40	0645	57	1530	45
1345	142	2230	46	0700	56	1545	43
1400	142	2245	53	0715	54	1600	43
1415	115	2300	59	0730	53	1615	43
1430	107	2315	77	0745	51	1630	43
1445	99	2330	93	0800	51	1645	42
1500	90	2345	113	0815	50		

MAY 20, 1981

0630	29	0945	34	1300	36	1600	39
0645	29	1000	34	1315	36	1615	39
0700	29	1015	34	1330	37	1630	39
0715	29	1030	34	1345	37	1645	37
0730	29	1045	34	1400	40	1700	37
0745	29	1100	34	1415	40	1715	37
0800	32	1115	34	1430	42	1730	37
0815	32	1130	34	1445	42	1745	36
0830	32	1145	34	1500	43	1800	36
0845	34	1200	34	1515	43	1815	36
0900	34	1215	34	1530	42	1830	36
0915	34	1230	34	1545	40	1845	34
0930	34	1245	34				

MAY 21, 1981

0300	36	0700	79	1045	45	1430	50
0315	36	0715	74	1100	45	1445	53
0330	36	0730	73	1115	43	1500	57
0345	37	0745	73	1130	42	1515	62
0400	37	0800	70	1145	42	1530	65
0415	37	0815	68	1200	42	1545	65
0430	39	0830	62	1215	42	1600	60
0445	40	0845	57	1230	42	1615	60
0500	43	0900	56	1245	42	1630	57
0515	46	0915	54	1300	42	1645	54
0530	50	0930	51	1315	42	1700	54

TABLE 5.--Continued

10172352 NORTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 21, 1981--CONTINUED							
0545	60	0945	50	1330	40	1715	53
0600	68	1000	48	1345	40	1730	51
0615	74	1015	46	1400	42	1745	51
0630	84	1030	45	1415	45	1800	50
0645	82						
MAY 27, 1981							
0400	50	0630	54	0900	68	1130	74
0415	51	0645	54	0915	64	1145	68
0430	53	0700	54	0930	60	1200	64
0445	54	0715	54	0945	64	1215	59
0500	54	0730	54	1000	68	1230	54
0515	54	0745	54	1015	76	1245	50
0530	54	0800	54	1030	84	1300	50
0545	54	0815	57	1045	87	1315	50
0600	54	0830	64	1100	84	1330	50
0615	54	0845	60	1115	79		
JUNE 2-3, 1981							
1715	45	0015	56	0730	66	1445	82
1730	45	0030	56	0745	65	1500	79
1745	45	0045	57	0800	65	1515	77
1800	45	0100	57	0815	68	1530	77
1815	46	0115	57	0830	70	1545	75
1830	46	0130	57	0845	71	1600	74
1845	46	0145	57	0900	71	1615	73
1900	46	0200	57	0915	68	1630	73
1915	46	0215	57	0930	67	1645	67
1930	46	0230	57	0945	67	1700	66
1945	48	0245	59	1000	67	1715	65
2000	48	0300	59	1015	70	1730	63
2015	48	0315	59	1030	94	1745	62
2030	56	0330	60	1045	130	1800	60
2045	57	0345	61	1100	161	1815	60
2100	59	0400	62	1115	181	1830	60
2115	60	0415	62	1130	160	1845	60
2130	57	0430	63	1145	180	1900	59
2145	57	0445	64	1200	183	1915	57
2200	56	0500	64	1215	178	1930	57

10172352 NORTH CONDUIT OF THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 2-3, 1981--CONTINUED

2215	57	0515	64	1230	177	1945	57
2230	57	0530	64	1245	158	2000	56
2245	57	0545	64	1300	136	2015	56
2300	57	0600	64	1315	124	2030	55
2315	57	0615	64	1330	113	2045	54
2330	57	0630	65	1345	98	2100	54
2345	56	0645	66	1400	94	2115	54
2400	56	0700	67	1415	94	2130	54
		0715	67	1430	91	2145	54

JUNE 14, 1981

0015	20	0415	41	0815	50	1215	28
0030	25	0430	40	0830	59	1230	28
0045	29	0445	38	0845	67	1245	28
0100	34	0500	37	0900	73	1300	28
0115	39	0515	37	0915	73	1315	28
0130	43	0530	37	0930	74	1330	28
0145	48	0545	36	0945	67	1345	26
0200	53	0600	36	1000	54	1400	26
0215	59	0615	36	1015	50	1415	26
0230	64	0630	36	1030	45	1430	26
0245	60	0645	37	1045	40	1445	26
0300	54	0700	37	1100	34	1500	26
0315	51	0715	37	1115	34	1515	26
0330	48	0730	39	1130	32	1530	26
0345	45	0745	40	1145	31	1545	25
0400	43	0800	40	1200	28		

SEPTEMBER 5, 1981

1300	16	1430	76	1545	29	1700	19
1315	20	1445	67	1600	25	1715	17
1330	31	1500	60	1615	23	1730	16
1345	73	1515	46	1630	23	1745	15
1400	113	1530	40	1645	20	1800	14
1415	102						

TABLE 5.--Continued

10172371 SOUTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JULY 1-2, 1980							
1830	16	2100	19	2315	6.5	0115	1.9
1845	19	2115	18	2330	5.7	0130	1.6
1900	21	2130	16	2345	4.9	0145	1.6
1915	25	2145	14	2400	4.1	0200	1.4
1930	28	2200	13			0215	1.1
1945	34	2215	11	0015	3.0	0230	1.1
2000	35	2230	9.5	0030	2.7	0245	1.1
2015	31	2245	8.9	0045	2.7	0300	0.80
2030	25	2300	8.4	0100	2.2	0315	0.50
2045	22						
AUGUST 25, 1980							
1400	2.4	1430	1.4	1500	1.4	1530	1.1
1415	1.4	1445	1.1	1515	1.4	1545	0.50
OCTOBER 26, 1980							
1300	0.40	1515	0.70	1730	0.80	1945	0.40
1315	0.40	1530	0.70	1745	0.70	2000	0.40
1330	0.40	1545	0.70	1800	0.70	2015	0.40
1345	0.50	1600	0.80	1815	0.50	2030	0.40
1400	0.50	1615	0.80	1830	0.50	2045	0.40
1415	0.70	1630	0.80	1845	0.50	2100	0.40
1430	0.70	1645	0.80	1900	0.50	2115	0.40
1445	0.70	1700	0.80	1915	0.40	2130	0.40
1500	0.70	1715	0.80	1930	0.40		
MARCH 26, 1981							
1100	1.7	1415	13	1730	7.4	2045	3.0
1105	0.90	1420	13	1735	7.9	2050	2.9
1110	0.90	1425	13	1740	10	2055	2.2
1115	0.90	1430	14	1745	11	2100	2.2
1120	1.1	1435	12	1750	9.1	2105	2.3
1125	1.1	1440	12	1755	8.3	2110	2.4
1130	1.0	1445	12	1800	7.8	2115	3.2
1135	1.4	1450	11	1805	7.3	2120	3.0
1140	1.7	1455	11	1810	6.7	2125	2.8
1145	1.4	1500	11	1815	6.6	2130	2.4
1150	1.0	1505	11	1820	6.4	2135	1.8
1155	0.90	1510	12	1825	6.3	2140	2.2

TABLE 5.--Continued

10172371 SOUTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE. IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26, 1981--CONTINUED

1200	0.60	1515	12	1830	6.6	2145	1.9
1205	1.2	1520	12	1835	4.9	2150	2.7
1210	1.6	1525	11	1840	4.7	2155	2.8
1215	1.9	1530	11	1845	4.4	2200	1.9
1220	1.8	1535	11	1850	4.5	2205	1.9
1225	1.8	1540	11	1855	4.7	2210	1.3
1230	1.4	1545	11	1900	3.9	2215	1.1
1235	1.2	1550	12	1905	4.7	2220	1.1
1240	1.6	1555	12	1910	4.1	2225	1.4
1245	1.8	1600	12	1915	4.0	2230	1.8
1250	2.7	1605	12	1920	4.0	2235	2.2
1255	3.0	1610	11	1925	3.6	2240	2.2
1300	3.4	1615	11	1930	3.2	2245	2.2
1305	4.0	1620	11	1935	3.3	2250	2.1
1310	4.6	1625	11	1940	3.5	2255	2.3
1315	5.6	1630	11	1945	3.8	2300	2.4
1320	7.7	1635	10	1950	4.1	2305	2.2
1325	8.0	1640	10	1955	3.9	2310	2.0
1330	10	1645	9.0	2000	4.0	2315	1.8
1335	9.8	1650	7.0	2005	4.1	2320	1.6
1340	11	1655	6.5	2010	3.7	2325	1.4
1345	11	1700	6.1	2015	3.0	2330	1.2
1350	12	1705	6.8	2020	2.4	2335	1.1
1355	12	1710	7.5	2025	2.9	2340	1.0
1400	12	1715	8.3	2030	3.3	2345	0.90
1405	12	1720	7.6	2035	3.6	2350	0.90
1410	12	1725	6.9	2040	3.3	2355	0.80

MARCH 27, 1981

0430	0.80	0820	6.0	1210	3.7	1600	8.1
0435	0.80	0825	6.1	1215	3.5	1605	8.4
0440	0.80	0830	6.2	1220	3.4	1610	8.8
0445	0.80	0835	6.2	1225	3.3	1615	9.2
0450	0.80	0840	6.2	1230	3.2	1620	9.2
0455	0.80	0845	6.2	1235	3.1	1625	9.2
0500	0.80	0850	6.0	1240	3.0	1630	9.2
0505	0.70	0855	5.8	1245	3.0	1635	9.1
0510	0.60	0900	5.7	1250	2.9	1640	9.0
0515	0.50	0905	5.6	1255	2.8	1645	8.9
0520	0.50	0910	5.5	1300	2.7	1650	8.7

TABLE 5.--Continued

10172371 SOUTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MARCH 27, 1981--CONTINUED							
0525	0.50	0915	5.4	1305	2.7	1655	8.5
0530	0.50	0920	5.2	1310	2.7	1700	8.4
0535	0.50	0925	5.1	1315	2.7	1705	8.4
0540	0.50	0930	4.9	1320	2.7	1710	8.4
0545	0.50	0935	4.7	1325	2.7	1715	8.4
0550	0.60	0940	4.5	1330	2.7	1720	8.2
0555	0.70	0945	4.3	1335	2.9	1725	8.0
0600	0.80	0950	4.2	1340	3.0	1730	7.8
0605	1.0	0955	4.0	1345	3.2	1735	7.8
0610	1.2	1000	3.8	1350	3.9	1740	7.8
0615	1.4	1005	3.8	1355	4.5	1745	7.8
0620	1.4	1010	3.8	1400	5.1	1750	8.5
0625	1.5	1015	3.8	1405	5.6	1755	9.2
0630	1.6	1020	3.6	1410	6.0	1800	10
0635	1.8	1025	3.4	1415	6.5	1805	8.5
0640	2.1	1030	3.2	1420	7.0	1810	7.2
0645	2.4	1035	3.2	1425	7.6	1815	5.7
0650	2.9	1040	3.1	1430	8.1	1820	5.1
0655	3.5	1045	3.0	1435	8.5	1825	4.0
0700	4.1	1050	2.9	1440	9.0	1830	3.0
0705	4.5	1055	2.8	1445	9.5	1835	2.7
0710	5.0	1100	2.7	1450	9.1	1840	2.4
0715	5.4	1105	3.0	1455	8.6	1845	2.2
0720	5.4	1110	3.2	1500	8.1	1850	2.0
0725	5.4	1115	3.5	1505	7.9	1855	1.7
0730	5.4	1120	3.5	1510	7.8	1900	1.4
0735	5.5	1125	3.5	1515	7.6	1905	1.2
0740	5.6	1130	3.5	1520	7.4	1910	1.0
0745	5.7	1135	3.6	1525	7.2	1915	0.80
0750	5.8	1140	3.7	1530	7.0	1920	0.70
0755	5.9	1145	3.8	1535	7.2	1925	0.60
0800	5.9	1150	3.9	1540	7.2	1930	0.50
0805	5.9	1155	4.1	1545	7.2	1935	0.50
0810	5.9	1200	4.3	1550	7.5	1940	0.50
0815	5.9	1205	4.0	1555	7.8	1945	0.50

TABLE 5.--Continued

10172371 SOUTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MARCH 28, 1981							
0215	0.50	0255	2.2	0335	1.3	0415	0.50
0220	0.70	0300	2.2	0340	1.2	0420	0.50
0225	0.90	0305	2.1	0345	1.1	0425	0.50
0230	1.1	0310	2.0	0350	1.0	0430	0.50
0235	1.4	0315	1.9	0355	0.90	0435	0.50
0240	1.8	0320	1.7	0400	0.80	0440	0.50
0245	2.2	0325	1.5	0405	0.70	0445	0.50
0250	2.2	0330	1.4	0410	0.60		
MARCH 29, 1981							
1830	3.8	1955	8.9	2120	1.6	2245	2.4
1835	3.2	2000	8.9	2125	1.3	2250	3.1
1840	2.5	2005	8.5	2130	1.1	2255	3.9
1845	1.9	2010	8.2	2135	1.1	2300	4.6
1850	2.2	2015	7.8	2140	1.1	2305	5.7
1855	2.4	2020	7.2	2145	1.1	2310	6.8
1900	2.7	2025	6.7	2150	1.2	2315	7.8
1905	3.5	2030	6.2	2155	1.4	2320	8.3
1910	4.3	2035	5.4	2200	1.6	2325	8.8
1915	5.1	2040	4.9	2205	1.8	2330	9.4
1920	5.8	2045	4.3	2210	2.0	2335	9.6
1925	6.6	2050	3.7	2215	2.2	2340	9.8
1930	7.3	2055	3.0	2220	2.2	2345	10
1935	7.8	2100	2.4	2225	2.2	2350	9.7
1940	8.3	2105	2.2	2230	2.2	2355	9.4
1945	8.9	2110	2.0	2235	2.2	2400	9.2
1950	8.9	2115	1.9	2240	2.3		
MARCH 30, 1981							
0005	8.8	0405	1.3	0920	2.5	1320	1.6
0010	8.2	0410	1.2	0925	2.3	1325	1.6
0015	7.6	0415	1.1	0930	2.2	1330	1.6
0020	7.0	0420	1.1	0935	2.1	1335	1.7
0025	6.3	0425	1.1	0940	2.0	1340	1.8
0030	5.7	0430	1.1	0945	1.9	1345	1.9
0035	6.3	0435	1.0	0950	1.8	1350	1.9
0040	7.0	0440	0.90	0955	1.7	1355	1.9
0045	7.6	0445	0.80	1000	1.6	1400	1.9
0050	7.4	0450	0.80	1005	1.5	1405	1.8

TABLE 5.--Continued

10172371 SOUTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 30, 1981--CONTINUED

0055	7.2	0455	0.80	1010	1.4	1410	1.7
0100	7.0	0500	0.80	1015	1.4	1415	1.6
0105	6.7	0505	0.80	1020	1.4	1420	1.6
0110	6.4	0510	0.80	1025	1.4	1425	1.6
0115	6.2	0515	0.80	1030	1.4	1430	1.6
0120	6.1	0520	0.70	1035	1.4	1435	1.6
0125	6.0	0525	0.60	1040	1.4	1440	1.6
0130	5.9	0530	0.50	1045	1.4	1445	1.6
0135	5.6	0535	0.50	1050	1.5	1450	1.6
0140	5.3	0540	0.50	1055	1.7	1455	1.6
0145	4.9	0545	0.50	1100	1.9	1500	1.6
0150	4.4	0550	0.50	1105	1.9	1505	1.6
0155	4.0	0555	0.50	1110	1.9	1510	1.6
0200	3.5	0600	0.50	1115	1.9	1515	1.6
0205	3.3	0720	0.50	1120	1.8	1520	1.6
0210	3.1	0725	0.80	1125	1.7	1525	1.6
0215	3.0	0730	1.1	1130	1.6	1530	1.6
0220	2.9	0735	1.5	1135	1.6	1535	1.6
0225	2.8	0740	1.9	1140	1.6	1540	1.5
0230	2.7	0745	2.2	1145	1.6	1545	1.4
0235	2.5	0750	2.8	1150	1.6	1550	1.3
0240	2.3	0755	3.4	1155	1.6	1555	1.2
0245	2.2	0800	4.1	1200	1.6	1600	1.1
0250	2.0	0805	4.3	1205	1.6	1605	1.0
0255	1.8	0810	4.5	1210	1.6	1610	0.90
0300	1.6	0815	4.6	1215	1.6	1615	0.80
0305	1.6	0820	4.6	1220	1.6	1620	0.80
0310	1.6	0825	4.6	1225	1.6	1625	0.80
0315	1.6	0830	4.6	1230	1.6	1630	0.80
0320	1.6	0835	4.5	1235	1.6	1635	0.80
0325	1.6	0840	4.4	1240	1.6	1640	0.80
0330	1.6	0845	4.3	1245	1.6	1645	0.80
0335	1.5	0850	4.0	1250	1.6	1650	0.90
0340	1.4	0855	3.7	1255	1.6	1655	1.0
0345	1.4	0900	3.5	1300	1.6	1700	1.1
0350	1.4	0905	3.2	1305	1.6	1705	1.2
0355	1.4	0910	3.0	1310	1.6	1710	1.3
0400	1.4	0915	2.7	1315	1.6	1715	1.4

TABLE 5.--Continued

10172371 SOUTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 30, 1981--CONTINUED

1720	1.4	1740	1.4	1800	1.4	1820	1.2
1725	1.4	1745	1.4	1805	1.4	1825	1.0
1730	1.4	1750	1.4	1810	1.4	1830	0.80
1735	1.4	1755	1.4	1815	1.4		

MAY 2-3, 1981

2345	0.90	2400	29	0005	39	0015	3.1
2350	1.9			0010	17	0020	0.50
2355	8.9						

JUNE 14, 1981

0225	0.50	0310	1.9	0355	1.2	0440	0.80
0230	0.80	0315	1.9	0400	1.1	0445	0.80
0235	1.0	0320	1.9	0405	1.0	0450	0.80
0240	1.2	0325	1.9	0410	0.90	0455	0.80
0245	1.4	0330	1.9	0415	0.80	0500	0.80
0250	1.6	0335	1.8	0420	0.80	0505	0.80
0255	1.8	0340	1.6	0425	0.80	0510	0.80
0300	1.9	0345	1.4	0430	0.80	0515	0.80
0305	1.9	0350	1.3	0435	0.80		

JULY 6, 1981

1500	0.60	1640	7.2	1820	1.7	1955	1.2
1505	3.0	1645	6.8	1825	1.6	2000	1.2
1510	6.0	1650	6.6	1830	1.5	2005	1.1
1515	10	1655	6.4	1835	1.6	2010	1.1
1520	14	1700	6.3	1840	1.7	2015	1.0
1525	18	1705	5.9	1845	1.7	2020	1.0
1530	23	1710	5.4	1850	1.7	2025	0.90
1535	24	1715	5.0	1855	1.8	2030	0.90
1540	25	1720	4.7	1900	1.8	2035	0.90
1545	22	1725	4.4	1905	1.8	2040	0.90
1550	19	1730	4.1	1910	1.7	2045	0.90
1555	17	1735	3.9	1915	1.7	2050	0.90
1600	14	1740	3.7	1920	1.6	2055	0.90
1605	12	1745	3.5	1925	1.5	2100	0.90
1610	11	1750	3.3	1930	1.4	2105	0.80
1615	10	1755	3.0	1935	1.4	2110	0.80
1620	9.0	1800	2.8	1940	1.3	2115	0.80

TABLE 5.--Continued

10172371 SOUTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JULY 6, 1981--CONTINUED							
1625	8.4	1805	2.5	1945	1.3	2120	0.70
1630	8.1	1810	2.1	1950	1.3	2125	0.50
1635	7.7	1815	1.8				
AUGUST 24, 1981							
0520	0.60	0820	1.1	0935	1.4	1050	0.60
0525	0.60	0825	1.3	0940	1.3	1055	0.60
0530	0.60	0830	1.4	0945	1.3	1100	0.60
0535	0.60	0835	1.6	0950	1.3	1105	0.60
0540	0.60	0840	1.8	0955	1.2	1110	0.60
0545	0.60	0845	2.0	1000	1.2	1115	0.60
0550	0.70	0850	2.2	1005	1.0	1120	0.60
0555	0.70	0855	2.4	1010	0.90	1125	0.60
0600	0.80	0900	2.6	1015	0.80	1130	0.60
0605	0.50	0905	2.2	1020	0.70	1135	0.60
0645	0.60	0910	1.8	1025	0.60	1140	0.50
0650	0.60	0915	1.5	1030	0.60	1145	0.50
0800	0.50	0920	1.5	1035	0.60	1150	0.50
0805	0.70	0925	1.4	1040	0.60	1155	0.50
0810	0.80	0930	1.4	1045	0.60	1200	0.50
0815	0.90						
AUGUST 29, 1981							
1615	1.2	1755	3.7	1930	1.9	2105	1.0
1620	1.5	1800	3.6	1935	1.9	2110	0.90
1625	1.8	1805	3.4	1940	1.8	2115	0.90
1630	2.0	1810	3.2	1945	1.8	2120	0.90
1635	2.3	1815	3.1	1950	1.8	2125	0.80
1640	2.5	1820	3.0	1955	1.7	2130	0.80
1645	2.8	1825	2.9	2000	1.7	2135	0.80
1650	3.5	1830	2.7	2005	1.5	2140	0.80
1655	4.2	1835	2.6	2010	1.4	2145	0.80
1700	5.0	1840	2.5	2015	1.3	2150	0.70
1705	4.8	1845	2.4	2020	1.2	2155	0.60
1710	4.6	1850	2.4	2025	1.0	2200	0.60
1715	4.4	1855	2.3	2030	0.90	2205	0.60
1720	4.4	1900	2.2	2035	1.1	2210	0.60
1725	4.5	1905	2.1	2040	1.2	2215	0.60
1730	4.6	1910	2.0	2045	1.3	2220	0.50
1735	4.4	1915	2.0	2050	1.2	2225	0.50

TABLE 5.--Continued

10172371 SOUTH CONDUITS OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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AUGUST 29, 1981--CONTINUED

1740	4.2	1920	2.0	2055	1.1	2230	0.50
1745	4.1	1925	1.9	2100	1.0	2235	0.50
1750	3.9						

SEPTEMBER 5, 1981

0715	0.40	1410	9.2	1625	5.0	1840	2.4
0720	0.40	1415	8.3	1630	5.0	1845	2.3
0725	0.40	1420	8.1	1635	4.9	1850	2.2
0730	0.40	1425	7.9	1640	4.7	1855	2.1
0735	0.50	1430	7.6	1645	4.6	1900	2.0
0740	0.50	1435	7.0	1650	4.5	1905	2.0
0745	0.50	1440	6.3	1655	4.4	1910	1.9
0750	0.50	1445	5.6	1700	4.4	1915	1.8
0755	0.60	1450	5.9	1705	4.4	1920	1.7
0800	0.60	1455	6.2	1710	4.5	1925	1.5
0805	0.60	1500	6.4	1715	4.5	1930	1.4
0810	0.50	1505	6.1	1720	4.3	1935	1.3
0815	0.50	1510	5.8	1725	4.0	1940	1.2
0820	0.50	1515	5.6	1730	3.8	1945	1.2
0825	0.40	1520	5.6	1735	3.7	1950	1.2
0830	0.40	1525	5.5	1740	3.6	1955	1.1
0835	0.40	1530	5.5	1745	3.5	2000	1.0
1315	3.8	1535	5.4	1750	3.4	2005	0.90
1320	4.2	1540	5.3	1755	3.2	2010	0.90
1325	4.7	1545	5.2	1800	3.1	2015	0.80
1330	5.2	1550	5.2	1805	2.9	2020	0.80
1335	6.1	1555	5.1	1810	2.8	2025	0.90
1340	7.0	1600	5.1	1815	2.7	2030	0.90
1345	7.8	1605	5.1	1820	2.7	2035	0.80
1350	8.9	1610	5.1	1825	2.6	2040	0.70
1355	10	1615	5.1	1830	2.6	2045	0.60
1400	11	1620	5.1	1835	2.5	2050	0.50
1405	10						

TABLE 5.--Continued

10172371 SOUTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
SEPTEMBER 6, 1981							
1045	0.40	1135	1.2	1225	1.6	1310	1.1
1050	0.40	1140	1.4	1230	1.7	1315	0.90
1055	0.40	1145	1.7	1235	2.1	1320	0.80
1100	0.40	1150	1.4	1240	2.5	1325	0.70
1105	0.60	1155	1.2	1245	2.9	1330	0.60
1110	0.70	1200	1.0	1250	2.5	1335	0.60
1115	0.80	1205	1.1	1255	2.1	1340	0.50
1120	0.80	1210	1.3	1300	1.7	1345	0.50
1125	0.90	1215	1.4	1305	1.4	1350	0.50
1130	1.0	1220	1.5				

TABLE 5.--Continued

10172372 MIDDLE CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JULY 1, 1980							
1830	16	1930	4.8	2030	8.1	2130	1.5
1845	35	1945	6.9	2045	5.8	2145	1.2
1900	7.5	2000	8.0	2100	2.3	2200	1.1
1915	22	2015	8.0	2115	1.6	2215	1.0
JULY 3, 1980							
1715	0.50	1800	2.6	1830	1.5	1900	0.50
1730	1.0	1815	1.8	1845	0.90	1915	0.40
1745	1.4						
AUGUST 19, 1980							
0715	0.70	0830	0.70	0945	0.50	1100	0.30
0730	1.0	0845	0.60	1000	0.50	1115	0.30
0745	0.80	0900	0.60	1015	0.40	1130	0.30
0800	0.70	0915	0.50	1030	0.40	1145	0.30
0815	0.70	0930	0.50	1045	0.40		
SEPTEMBER 21, 1980							
1000	1.9	1045	2.0	1130	0.80	1215	0.30
1015	2.8	1100	1.6	1145	0.60	1230	0.30
1030	2.4	1115	1.2	1200	0.40	1245	0.30
OCTOBER 26, 1980							
1315	4.4	1445	3.2	1615	2.8	1745	1.9
1330	3.0	1500	2.9	1630	2.8	1800	1.9
1345	2.3	1515	2.8	1645	2.7	1815	1.4
1400	2.7	1530	2.9	1700	2.6	1830	1.4
1415	3.4	1545	2.4	1715	2.4	1845	1.0
1430	3.6	1600	2.8	1730	2.2	1900	0.60
NOVEMBER 12, 1980							
0245	13	0315	8.6	0345	4.2	0400	2.2
0300	17	0330	5.0				
FEBRUARY 26, 1981							
0205	0.80	0245	9.8	0325	18	0405	6.3
0210	1.5	0250	14	0330	15	0410	5.8

TABLE 5.--Continued

10172372 MIDDLE CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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FEBRUARY 26, 1981--CONTINUED

0215	2.6	0255	19	0335	14	0415	5.2
0220	3.1	0300	24	0340	12	0420	5.0
0225	3.9	0305	25	0345	11	0425	4.8
0230	4.6	0310	25	0350	9.0	0430	4.6
0235	6.3	0315	26	0355	8.0	0435	4.5
0240	8.0	0320	22	0400	6.8		

MARCH 16, 1981

1510	0.60	1550	0.60	1710	14	1750	7.2
1515	1.3	1635	9.0	1715	13	1755	6.3
1520	1.5	1640	18	1720	12	1800	5.5
1525	1.8	1645	27	1725	11	1805	5.0
1530	2.0	1650	24	1730	10	1810	4.5
1535	1.8	1655	21	1735	9.4	1815	3.9
1540	1.5	1700	18	1740	8.7	1820	3.9
1545	1.3	1705	16	1745	8.1		

MARCH 20, 1981

1400	1.0	1545	19	1645	8.5	1745	6.8
1405	1.0	1550	17	1650	9.0	1750	6.4
1410	1.0	1555	14	1655	9.5	1755	6.0
1415	1.0	1600	12	1700	10	1800	5.5
1420	0.50	1605	11	1705	9.5	1805	5.2
1505	11	1610	10	1710	9.0	1810	4.9
1510	23	1615	9.1	1715	8.5	1815	4.6
1515	35	1620	8.2	1720	8.2	1820	4.2
1520	32	1625	7.5	1725	8.0	1825	3.9
1525	30	1630	6.8	1730	7.8	1830	3.6
1530	28	1635	7.4	1735	7.4	1835	3.5
1535	25	1640	8.0	1740	7.1	1840	3.4
1540	22						

MARCH 26, 1981

1150	1.3	1345	23	1540	16	1735	13
1155	2.4	1350	23	1545	15	1740	13
1200	3.6	1355	22	1550	16	1745	13
1205	4.9	1400	22	1555	16	1750	12
1210	6.2	1405	22	1600	17	1755	12
1215	7.5	1410	21	1605	18	1800	11

TABLE 5.--Continued

101723732 MIDDLE CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MARCH 26, 1981--CONTINUED

1220	8.3	1415	21	1610	18	1805	10
1225	9.1	1420	20	1615	19	1810	9.7
1230	10	1425	20	1620	18	1815	9.1
1235	11	1430	19	1625	18	1820	8.9
1240	12	1435	19	1630	17	1825	8.2
1245	13	1440	18	1635	16	1830	8.4
1250	14	1445	18	1640	16	1835	8.2
1255	16	1450	19	1645	15	1840	8.0
1300	17	1455	19	1650	15	1845	7.8
1305	18	1500	20	1655	15	1850	7.6
1310	20	1505	20	1700	15	1855	7.4
1315	21	1510	19	1705	15	1900	7.2
1320	22	1515	19	1710	15	1905	6.8
1325	24	1520	18	1715	15	1910	6.3
1330	25	1525	18	1720	14	1915	5.8
1335	24	1530	17	1725	14	1920	5.7
1340	24	1535	16	1730	13		

MARCH 29-30, 1981

1935	9.0	2120	2.2	2325	34	0100	15
1940	18	2125	2.1	2330	31	0105	14
1945	26	2130	2.0	2335	29	0110	14
1950	24	2135	1.9	2340	27	0115	13
1955	22	2140	1.7	2345	25	0120	12
2000	20	2145	1.6	2350	23	0125	12
2005	17	2150	1.6	2355	21	0130	11
2010	15	2155	1.6	2400	19	0135	10
2015	12	2200	1.6			0140	9.7
2020	11	2205	1.4	0005	18	0145	9.1
2025	9.4	2210	1.2	0010	16	0150	8.7
2030	8.1	2215	1.0	0015	15	0155	8.2
2035	7.6	2220	0.50	0020	14	0200	7.8
2040	7.0	2250	2.5	0025	13	0205	7.3
2045	6.5	2255	5.0	0030	12	0210	6.7
2050	5.4	2300	7.5	0035	12	0215	6.2
2055	4.3	2305	18	0040	13	0220	6.0
2100	3.2	2310	29	0045	13	0225	5.6
2105	2.9	2315	40	0050	14	0230	5.2
2110	2.6	2320	37	0055	14	0235	5.1
2115	2.3						

TABLE 5.--Continued

10172372 MIDDLE CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 2, 1981

1710	1.9	1800	3.2	1850	1.9	1940	1.1
1715	3.9	1805	2.9	1855	1.7	1945	1.0
1720	5.1	1810	2.6	1900	1.6	1950	0.90
1725	6.3	1815	2.3	1905	1.6	1955	0.80
1730	7.5	1820	2.2	1910	1.6	2000	0.70
1735	6.7	1825	2.1	1915	1.6	2005	0.60
1740	5.9	1830	2.0	1920	1.5	2010	0.60
1745	5.2	1835	2.0	1925	1.4	2015	0.50
1750	4.7	1840	2.0	1930	1.3	2400	20
1755	3.9	1845	2.0	1935	1.2		

MAY 3, 1981

0005	18	0750	1.1	1010	1.0	1210	1.1
0010	15	0755	1.2	1015	1.0	1215	1.0
0015	13	0800	1.3	1020	1.0	1220	0.90
0020	13	0805	1.3	1025	1.0	1225	0.80
0025	14	0810	1.3	1030	1.0	1230	0.70
0030	14	0815	1.3	1035	1.0	1235	0.60
0035	10	0820	1.3	1040	1.0	1240	0.50
0040	6.0	0825	1.3	1045	1.0	1245	0.50
0045	1.0	0830	1.3	1050	1.1	1315	14
0050	0.90	0835	1.0	1055	1.2	1320	14
0055	0.70	0840	1.3	1100	1.3	1325	13
0100	0.50	0845	1.3	1105	1.3	1330	13
0310	1.1	0850	1.2	1110	1.3	1335	12
0315	2.3	0855	1.1	1115	1.3	1340	10
0320	2.4	0900	1.0	1120	1.4	1345	9.4
0325	2.5	0905	0.90	1125	1.5	1350	8.6
0330	2.6	0910	0.70	1130	1.6	1355	7.7
0335	2.8	0915	0.60	1135	1.6	1400	6.8
0340	3.0	0940	0.50	1140	1.6	1405	6.1
0345	3.2	0945	1.0	1145	1.6	1410	5.5
0350	2.3	0950	1.0	1150	1.5	1415	4.9
0355	1.4	0955	1.0	1155	1.4	1420	4.4
0400	0.50	1000	1.0	1200	1.3	1425	4.0
0740	0.50	1005	1.0	1205	1.2	1430	3.6
0745	1.0						

TABLE 5.--Continued

10172372 MIDDLE CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 8, 1981							
0745	2.0	0910	17	1035	26	1200	14
0750	7.0	0915	22	1040	30	1205	11
0755	12	0920	28	1045	34	1210	8.0
0800	18	0925	34	1050	30	1215	5.2
0805	24	0930	40	1055	27	1220	5.1
0810	30	0935	36	1100	24	1225	5.0
0815	36	0940	32	1105	23	1230	4.9
0820	30	0945	29	1110	22	1235	4.4
0825	25	0950	22	1115	21	1240	4.0
0830	20	0955	15	1120	21	1245	3.6
0835	18	1000	8.8	1125	21	1250	3.4
0840	15	1005	9.4	1130	21	1255	3.1
0845	13	1010	10	1135	20	1300	2.9
0850	11	1015	11	1140	19	1305	2.7
0855	9.9	1020	15	1145	18	1310	2.5
0900	8.4	1025	19	1150	17	1315	2.3
0905	12	1030	22	1155	15	1320	2.3
MAY 10-11, 1981							
2355	30	0020	60	0050	24	0115	3.2
2400	59	0025	55	0055	16	0120	2.6
		0030	47	0100	8.4	0125	2.0
0005	63	0035	42	0105	6.6	0130	1.3
0010	66	0040	37	0110	4.9	0135	1.0
0015	69	0045	32				
MAY 15, 1981							
0655	2.0	1105	2.0	1515	1.3	1925	2.0
0700	5.2	1110	2.0	1520	1.3	1930	2.0
0705	10	1115	2.0	1525	1.3	1935	2.0
0710	15	1120	2.0	1530	1.3	1940	2.0
0715	20	1125	2.0	1535	1.1	1945	2.0
0720	29	1130	2.0	1540	0.80	1950	2.0
0725	38	1135	1.5	1545	0.60	1955	2.0
0730	46	1140	1.0	1550	0.60	2000	2.0
0735	49	1145	0.60	1555	0.60	2005	2.0
0740	52	1150	4.0	1600	0.60	2010	2.0
0745	54	1155	9.0	1605	0.60	2015	2.0
0750	40	1200	14	1610	0.60	2020	2.0

TABLE 5.--Continued

10172372 MIDDLE CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 15, 1981--CONTINUED							
0755	25	1205	25	1615	0.60	2025	2.0
0800	9.8	1210	36	1620	0.60	2030	2.0
0805	7.6	1215	47	1625	0.60	2035	2.0
0810	5.4	1220	56	1630	0.60	2040	2.0
0815	3.2	1225	65	1635	0.80	2045	2.0
0820	2.8	1230	74	1640	1.0	2050	2.0
0825	2.4	1235	62	1645	1.3	2055	2.0
0830	2.0	1240	51	1650	1.3	2100	2.0
0835	1.8	1245	40	1655	1.3	2105	2.0
0840	1.5	1250	30	1700	1.3	2110	2.0
0845	1.3	1255	20	1705	1.5	2115	2.0
0850	1.5	1300	9.1	1710	1.8	2120	1.5
0855	1.8	1305	8.6	1715	2.0	2125	1.0
0900	2.0	1310	8.2	1720	2.4	2130	0.60
0905	2.0	1315	7.8	1725	2.8	2155	0.50
0910	2.0	1320	8.2	1730	3.2	2200	1.3
0915	2.0	1325	8.6	1735	3.4	2205	2.8
0920	2.0	1330	9.1	1740	3.7	2210	4.3
0925	2.0	1335	8.4	1745	3.9	2215	5.9
0930	2.0	1340	7.8	1750	3.9	2220	15
0935	2.0	1345	7.2	1755	3.9	2225	24
0940	2.0	1350	6.4	1800	3.9	2230	33
0945	2.0	1355	5.5	1805	3.5	2235	41
0950	2.0	1400	4.6	1810	3.0	2240	49
0955	2.0	1405	4.0	1815	2.6	2245	58
1000	2.0	1410	3.3	1820	2.6	2250	60
1005	1.8	1415	2.6	1825	2.6	2255	63
1010	1.5	1420	2.4	1830	2.6	2300	66
1015	1.3	1425	2.2	1835	2.6	2305	66
1020	1.3	1430	2.0	1840	2.6	2310	67
1025	1.3	1435	1.8	1845	2.6	2315	67
1030	1.3	1440	1.5	1850	2.4	2320	62
1035	1.3	1445	1.3	1855	2.2	2325	57
1040	1.3	1450	1.3	1900	2.0	2330	52
1045	1.3	1455	1.3	1905	2.0	2335	48
1050	1.5	1500	1.3	1910	2.0	2340	44
1055	1.8	1505	1.3	1915	2.0	2345	40
1100	2.0	1510	1.3	1920	2.0	2350	38
						2355	34
						2400	32

TABLE 5.--Continued

10172372 MIDDLE CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 16, 1981							
0005	30	0330	0.60	0655	7.1	1020	27
0010	28	0335	0.60	0700	6.5	1025	25
0015	26	0340	0.60	0705	6.3	1030	23
0020	27	0345	0.60	0710	6.1	1035	22
0025	29	0350	2.1	0715	5.9	1040	21
0030	30	0355	3.6	0720	6.1	1045	20
0035	31	0400	5.2	0725	6.3	1050	19
0040	31	0405	5.0	0730	6.5	1055	19
0045	32	0410	4.8	0735	6.5	1100	18
0050	31	0415	4.6	0740	6.5	1105	23
0055	30	0420	4.6	0745	6.5	1110	29
0100	29	0425	4.6	0750	6.3	1115	34
0105	26	0430	4.6	0755	6.1	1120	36
0110	23	0435	4.6	0800	5.9	1125	40
0115	21	0440	4.6	0805	5.4	1130	40
0120	19	0445	4.6	0810	5.0	1135	39
0125	15	0450	4.8	0815	4.6	1140	37
0130	13	0455	5.0	0820	4.6	1145	36
0135	11	0500	5.2	0825	4.6	1150	33
0140	7.0	0505	7.8	0830	4.6	1155	30
0145	4.6	0510	10	0835	4.4	1200	27
0150	4.2	0515	13	0840	4.1	1205	23
0155	3.7	0520	14	0845	3.9	1210	19
0200	3.2	0525	14	0850	3.9	1215	16
0205	3.0	0530	15	0855	3.9	1220	14
0210	2.8	0535	15	0900	3.9	1225	12
0215	2.6	0540	16	0905	3.9	1230	11
0220	2.4	0545	16	0910	3.9	1235	10
0225	2.2	0550	16	0915	3.9	1240	8.9
0230	2.0	0555	15	0920	4.1	1245	7.8
0235	1.8	0600	15	0925	4.4	1250	6.2
0240	1.5	0605	14	0930	4.6	1255	5.4
0245	1.3	0610	12	0935	4.6	1300	4.6
0250	1.3	0615	11	0940	4.6	1305	4.1
0255	1.3	0620	10	0945	4.6	1310	3.7
0300	1.3	0625	9.7	0950	4.6	1315	3.2
0305	1.0	0630	9.1	0955	4.6	1320	3.2
0310	0.80	0635	8.9	1000	4.6	1325	3.2
0315	0.60	0640	8.6	1005	13	1330	3.2
0320	0.60	0645	8.4	1010	21	1335	3.0
0325	0.60	0650	7.7	1015	29	1340	2.8

TABLE 5.--Continued

10172372 MIDDLE CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 16, 1981--CONTINUED							
1345	2.6	1525	2.0	1705	1.3	1905	11
1350	2.4	1530	2.0	1710	1.3	1910	14
1355	2.2	1535	2.0	1715	1.3	1915	17
1400	2.0	1540	2.0	1720	1.3	1920	18
1405	2.0	1545	2.0	1725	1.3	1925	18
1410	2.0	1550	2.0	1730	1.3	1930	19
1415	2.0	1555	2.0	1735	1.0	1935	17
1420	2.0	1600	2.0	1740	0.80	1940	16
1425	2.0	1605	2.0	1745	0.60	1945	14
1430	2.0	1610	2.0	1750	0.60	1950	13
1435	2.0	1615	2.0	1755	0.60	1955	11
1440	2.0	1620	1.8	1800	0.60	2000	9.8
1445	2.0	1625	1.5	1805	0.60	2005	8.7
1450	2.0	1630	1.3	1810	0.60	2010	7.6
1455	2.0	1635	1.3	1815	0.60	2015	6.5
1500	2.0	1640	1.3	1845	1.3	2020	6.3
1505	2.0	1645	1.3	1850	2.5	2025	6.0
1510	2.0	1650	1.3	1855	5.5	2030	5.8
1515	2.0	1655	1.3	1900	8.4	2035	5.8
1520	2.0	1700	1.3				

MAY 20, 1981

0730	11	0940	3.0	1150	2.6	1355	7.6
0735	13	0945	3.2	1155	2.6	1400	6.5
0740	16	0950	4.8	1200	2.6	1405	8.0
0745	18	0955	6.4	1205	2.4	1410	9.5
0750	16	1000	7.8	1210	2.2	1415	11
0755	15	1005	7.6	1215	2.0	1420	12
0800	13	1010	7.4	1220	2.0	1425	14
0805	12	1015	7.2	1225	2.0	1430	15
0810	11	1020	7.0	1230	2.0	1435	16
0815	10	1025	6.7	1235	1.5	1440	17
0820	11	1030	6.5	1240	1.0	1445	18
0825	11	1035	6.0	1245	0.60	1450	16
0830	12	1040	5.6	1250	2.4	1455	14
0835	11	1045	5.2	1255	4.1	1500	12
0840	10	1050	4.8	1300	5.9	1505	10
0845	9.8	1055	4.4	1305	7.6	1510	8.3
0850	9.0	1100	3.9	1310	9.3	1515	6.5
0855	8.1	1105	3.4	1315	11	1520	6.1

TABLE 5.--Continued

10172372 MIDDLE CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 20, 1981--CONTINUED

0900	7.2	1110	3.0	1320	11	1525	5.6
0905	6.1	1115	2.6	1325	12	1530	5.2
0910	5.0	1120	2.6	1330	12	1535	4.8
0915	3.9	1125	2.6	1335	11	1540	4.3
0920	3.5	1130	2.6	1340	11	1545	3.9
0925	3.0	1135	2.3	1345	9.8	1550	3.7
0930	2.6	1140	2.6	1350	8.7	1555	3.4
0935	2.8	1145	2.6				

MAY 21, 1981

0255	0.90	0550	33	0845	2.0	1530	4.6
0300	2.6	0555	30	0850	2.0	1535	4.6
0305	3.0	0600	27	0855	2.0	1540	4.6
0310	3.4	0605	26	0900	2.0	1545	4.6
0315	3.9	0610	26	0905	1.8	1550	4.6
0320	3.9	0615	25	0910	1.5	1555	4.6
0325	3.9	0620	24	0915	1.3	1600	4.6
0330	3.9	0625	21	0920	1.3	1605	4.6
0335	3.9	0630	20	0925	1.3	1610	4.6
0340	3.9	0635	19	0930	1.3	1615	4.6
0345	3.9	0640	19	0935	1.3	1620	4.4
0350	4.1	0645	18	0940	1.3	1625	4.1
0355	4.4	0650	17	0945	1.3	1630	3.9
0400	4.6	0655	15	0950	1.0	1635	3.9
0405	5.0	0700	14	0955	0.80	1640	3.9
0410	5.4	0705	12	1000	0.60	1645	3.9
0415	5.9	0710	10	1355	3.8	1650	3.7
0420	6.1	0715	9.1	1400	7.8	1655	3.4
0425	6.3	0720	8.3	1405	11	1700	3.2
0430	6.5	0725	7.4	1410	15	1705	3.2
0435	7.4	0730	6.5	1415	18	1710	3.2
0440	8.3	0735	5.7	1420	19	1715	3.2
0445	9.1	0740	4.8	1425	21	1720	3.2
0450	10	0745	3.9	1430	23	1725	3.2
0455	11	0750	3.7	1435	22	1730	3.2
0500	12	0755	3.4	1440	22	1735	3.2
0505	15	0800	3.2	1445	21	1740	3.2
0510	18	0805	3.0	1450	17	1745	3.2
0515	22	0810	2.8	1455	13	1750	3.2
0520	24	0815	2.6	1500	9.1	1755	3.2

TABLE 5.--Continued

10172372 MIDDLE CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 21, 1981--CONTINUED							
0525	26	0820	2.4	1505	7.6	1800	3.2
0530	28	0825	2.2	1510	6.1	1805	3.0
0535	30	0830	2.0	1515	4.6	1810	2.8
0540	33	0835	2.0	1520	4.6	1815	2.6
0545	36	0840	2.0	1525	4.6		
MAY 27, 1981							
0825	2.2	0925	18	1025	30	1125	7.6
0830	4.6	0930	20	1030	27	1130	7.2
0835	8.0	0935	22	1035	25	1135	6.8
0840	10	0940	24	1040	22	1140	6.3
0845	12	0945	26	1045	20	1145	5.9
0850	13	0950	29	1050	18	1150	5.5
0855	13	0955	31	1055	15	1155	5.0
0900	14	1000	34	1100	12	1200	4.6
0905	14	1005	35	1105	11	1205	4.1
0910	14	1010	35	1110	9.6	1210	3.6
0915	14	1015	36	1115	8.4	1215	3.2
0920	16	1020	33	1120	8.0	1220	3.2
MAY 28, 1981							
1425	5.0	1440	44	1455	40	1510	10
1430	10	1445	60	1500	29	1515	1.3
1435	27	1450	50	1505	20	1520	1.3
JUNE 13-14, 1981							
0055	1.4	0300	7.9	0635	3.9	0835	2.9
0100	2.9	0305	6.3	0640	3.3	0840	2.1
0105	4.8	0310	4.6	0645	2.9	0845	1.4
0110	6.7	0315	2.9	0650	2.9	0850	1.0
0115	8.6	0320	2.7	0655	2.9	0855	15
0120	9.0	0325	2.3	0700	2.9	0900	30
0125	9.5	0330	2.1	0705	3.3	0905	29
0130	10	0335	1.9	0710	3.9	0910	28
0135	9.3	0340	1.6	0715	4.3	0915	27
0140	8.6	0345	1.4	0720	5.0	0920	25
0145	7.9	0350	1.1	0725	5.7	0925	22
0150	14	0355	0.80	0730	6.4	0930	20

TABLE 5.--Continued

10172372 MIDDLE CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 13-14, 1981--CONTINUED

0155	21	0400	0.50	0735	6.4	0935	17
0200	28	0540	1.4	0740	6.4	0940	14
0205	33	0545	2.9	0745	6.4	0945	11
0210	38	0550	4.3	0750	6.0	0950	9.0
0215	43	0555	5.7	0755	5.5	0955	6.0
0220	37	0600	7.2	0800	5.0	1000	2.9
0225	30	0605	6.5	0805	4.8	1005	2.4
0230	24	0610	5.7	0810	4.5	1010	1.9
0235	22	0615	5.0	0815	4.3	1015	1.4
0240	20	0620	4.8	0820	4.1	1020	1.1
0245	18	0625	4.5	0825	3.8	1025	0.80
0250	15	0630	4.3	0830	3.6	1030	0.50
0255	12						

JULY 2, 1981

0825	36	0910	68	0955	36	1040	6.9
0830	72	0915	66	1000	29	1045	6.4
0835	74	0920	65	1005	24	1050	6.0
0840	76	0925	64	1010	20	1055	5.5
0845	77	0930	63	1015	16	1100	5.0
0850	75	0935	60	1020	14	1105	4.8
0855	73	0940	56	1025	11	1110	4.5
0900	71	0945	52	1030	7.9	1115	4.3
0905	70	0950	45	1035	7.4	1120	4.3

JULY 6, 1981

1555	30	1630	46	1705	13	1740	6.2
1600	68	1635	40	1710	11	1745	5.7
1605	64	1640	34	1715	9.3	1750	5.5
1610	60	1645	28	1720	8.6	1755	5.2
1615	57	1650	24	1725	7.9	1800	5.0
1620	53	1655	20	1730	7.2	1805	5.0
1625	49	1700	15	1735	6.7		

AUGUST 24, 1981

0655	9.0	0745	18	0835	8.7	0920	3.9
0700	18	0750	17	0840	8.3	0925	3.4
0705	18	0755	17	0845	7.9	0930	2.9

TABLE 5.--Continued

10172372 MIDDLE CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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AUGUST 24, 1981--CONTINUED

0710	19	0800	16	0850	7.1	0935	2.4
0715	19	0805	14	0855	6.4	0940	1.9
0720	19	0810	13	0900	5.7	0945	1.4
0725	20	0815	11	0905	5.2	0950	1.2
0730	20	0820	11	0910	4.8	0955	0.90
0735	19	0825	10	0915	4.3	1000	0.70
0740	19	0830	9.2				

AUGUST 29, 1981

1655	15	1725	17	1750	10	1815	3.6
1700	29	1730	16	1755	8.8	1820	3.4
1705	26	1735	15	1800	7.2	1825	3.1
1710	23	1740	13	1805	6.0	1830	2.9
1715	19	1745	12	1810	4.8	1835	2.9
1720	18						

SEPTEMBER 5, 1981

1355	9.0	1440	65	1520	12	1600	6.4
1400	21	1445	54	1525	12	1605	5.4
1405	40	1450	36	1530	11	1610	4.5
1410	59	1455	28	1535	10	1615	3.6
1415	77	1500	21	1540	10	1620	3.4
1420	80	1505	19	1545	9.3	1625	3.1
1425	83	1510	15	1550	8.4	1630	2.9
1430	86	1515	13	1555	7.3	1635	2.9
1435	75						

TABLE 5.--Continued

10172373 NORTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 9-10, 1980							
2330	0.90	0115	28	0315	0.90	1330	3.5
2345	3.5	0130	21	0330	0.90	1345	5.3
2400	11	0145	10	0345	0.90	1400	7.0
		0200	2.6	0400	0.90	1415	4.4
0015	28	0215	1.3	0415	0.40	1430	3.5
0030	39	0230	1.3	0430	0.40	1445	2.2
0045	42	0245	1.3	0445	0.40	1500	0.90
0100	37	0300	0.90				
MAY 12, 1980							
0330	0.40	0500	19	0630	3.1	0800	2.6
0345	0.40	0515	15	0645	3.9	0815	1.8
0400	0.40	0530	12	0700	5.7	0830	1.8
0415	2.6	0545	11	0715	6.6	0845	1.3
0430	9.6	0600	8.3	0730	6.6	0900	0.90
0445	15	0615	3.1	0745	4.8		
MAY 16, 1980							
1345	0.90	1515	14	1645	29	1815	3.1
1400	4.4	1530	11	1700	21	1830	2.6
1415	25	1545	8.3	1715	18	1845	2.2
1430	38	1600	14	1730	16	1900	1.8
1445	33	1615	33	1745	10	1915	1.3
1500	24	1630	35	1800	4.8	1930	0.90
MAY 17, 1980							
0200	2.2	0330	1.3	0500	9.6	0630	4.4
0215	7.4	0345	1.3	0515	12	0645	3.5
0230	14	0400	1.3	0530	14	0700	2.6
0245	8.8	0415	1.3	0545	13	0715	2.2
0300	2.6	0430	3.9	0600	11	0730	1.3
0315	1.3	0445	7.0	0615	6.6		
MAY 29, 1980							
0615	0.40	0730	7.9	0845	3.5	0945	48
0630	0.40	0745	5.7	0900	15	1000	35
0645	0.90	0800	1.3	0915	32	1015	1.8

TABLE 5.--Continued

10172373 NORTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 29, 1980--CONTINUED							
0700	0.90	0815	1.3	0930	55	1030	0.40
0715	3.1	0830	1.3				
JULY 1, 1980							
2030	34	2100	23	2130	2.4	2145	0.90
2045	32	2115	12				
OCTOBER 12, 1980							
1900	0.20	1945	5.3	2030	19	2115	1.3
1915	0.50	2000	14	2045	8.8	2130	0.20
1930	0.90	2015	18	2100	3.6		
OCTOBER 26, 1980							
1215	1.8	1315	6.1	1400	20	1445	2.9
1230	3.4	1330	10	1415	19	1500	1.9
1245	7.0	1345	19	1430	18	1515	1.3
1300	6.2						
FEBRUARY 26, 1981							
0220	1.8	0250	14	0320	7.2	0345	4.6
0225	1.8	0255	15	0325	5.8	0350	4.6
0230	1.8	0300	14	0330	4.6	0355	4.6
0235	7.2	0305	12	0335	4.6	0400	1.1
0240	7.2	0310	10	0340	4.6	0405	1.1
0245	14	0315	8.6				
MARCH 16, 1981							
1645	0.40	1720	15	1755	7.8	1830	2.2
1650	2.3	1725	13	1800	5.7	1835	1.8
1655	4.2	1730	12	1805	4.8	1840	1.3
1700	6.1	1735	12	1810	4.0	1845	0.90
1705	10	1740	12	1815	3.1	1850	0.60
1710	14	1745	12	1820	2.8	1855	0.50
1715	17	1750	9.9	1825	2.5		

TABLE 5.--Continued

10172373 NORTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MARCH 20, 1981							
1430	0.50	1510	7.2	1550	7.8	1630	3.6
1435	1.7	1515	18	1555	6.2	1635	3.6
1440	1.8	1520	17	1600	4.8	1640	3.6
1445	2.3	1525	17	1605	4.5	1645	3.6
1450	2.3	1530	16	1610	3.6	1650	3.6
1455	4.7	1535	14	1615	3.6	1655	3.6
1500	7.2	1540	12	1620	3.6	1700	2.3
1505	7.2	1545	9.9	1625	3.6	1705	2.3
MARCH 26, 1981							
1100	1.1	1140	2.1	1220	15	1255	27
1105	1.1	1145	2.1	1225	17	1300	30
1110	1.2	1150	2.1	1230	18	1305	20
1115	1.4	1155	2.1	1235	19	1310	22
1120	1.3	1200	8.8	1240	20	1315	2.2
1125	1.3	1205	8.8	1245	22	1320	1.8
1130	1.5	1210	8.8	1250	24	1325	1.8
1135	1.5	1215	15				
MARCH 28, 1981							
0155	5.3	0220	11	0245	6.1	0305	3.5
0200	7.2	0225	11	0250	5.2	0310	2.8
0205	7.2	0230	9.5	0255	4.5	0315	2.7
0210	7.2	0235	8.5	0300	3.9	0320	2.5
0215	11	0240	7.4				
MARCH 29, 1981							
1820	1.4	1930	8.1	2040	2.3	2145	2.4
1825	2.8	1935	6.2	2045	2.3	2150	2.9
1830	2.8	1940	4.8	2050	2.3	2155	3.8
1835	2.8	1945	3.9	2055	2.3	2200	5.2
1840	2.8	1950	3.4	2100	1.8	2205	5.2
1845	2.8	1955	3.0	2105	1.8	2210	13
1850	2.8	2000	2.8	2110	1.7	2215	21
1855	2.8	2005	2.8	2115	1.7	2220	28
1900	25	2010	2.8	2120	1.7	2225	28
1905	25	2015	2.5	2125	1.7	2230	28
1910	21	2020	2.3	2130	1.5	2235	3.9

TABLE 5.--Continued

10172373 NORTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MARCH 29, 1981--CONTINUED							
1915	18	2025	2.3	2135	1.5	2240	1.5
1920	14	2030	2.3	2140	2.3	2245	1.3
1925	14	2035	2.3				
APRIL 15, 1981							
1040	0.60	1135	27	1230	7.4	1320	2.9
1045	1.3	1140	26	1235	6.7	1325	2.7
1050	2.6	1145	25	1240	6.0	1330	2.6
1055	4.0	1150	22	1245	5.3	1335	2.5
1100	5.3	1155	20	1250	5.0	1340	2.3
1105	8.3	1200	17	1255	4.7	1345	2.2
1110	11	1205	14	1300	4.4	1350	1.9
1115	14	1210	11	1305	3.9	1355	1.6
1120	18	1215	8.8	1310	3.5	1400	1.3
1125	23	1220	8.4	1315	3.1	1405	0.50
1130	28	1225	7.8				
MAY 2-3, 1981							
2355	4.4	0155	1.5	0400	2.6	1225	0.40
2400	8.8	0200	0.90	0405	2.5	1230	0.40
		0205	1.3	0410	2.3	1235	1.5
0005	20	0210	1.8	0415	2.2	1240	2.5
0010	32	0215	2.2	0420	2.1	1245	3.5
0015	44	0220	2.5	0425	1.9	1250	5.7
0020	36	0225	2.8	0430	1.8	1255	7.9
0025	29	0230	3.1	0435	1.7	1300	10
0030	22	0235	3.5	0440	1.4	1305	8.8
0035	19	0240	4.0	0445	1.3	1310	7.7
0040	16	0245	4.4	0450	1.3	1315	6.6
0045	14	0250	4.5	0455	1.3	1320	6.2
0050	13	0255	4.7	0500	1.3	1325	5.7
0055	11	0300	4.8	0505	1.2	1330	5.3
0100	10	0305	4.7	0510	1.0	1335	4.6
0105	8.8	0310	4.5	0515	0.90	1340	3.8
0110	7.7	0315	4.4	0520	0.70	1345	3.1
0115	6.6	0320	4.2	0525	0.50	1350	2.4
0120	5.2	0325	4.0	0530	0.40	1355	1.6
0125	4.3	0330	3.9	0535	0.40	1400	0.90
0130	3.5	0335	3.6	0540	0.40	1405	0.70

TABLE 5.--Continued

10172373 NORTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 2-3, 1981--CONTINUED

0135	3.2	0340	3.4	0545	0.40	1410	0.60
0140	2.9	0345	3.1	1215	0.40	1415	0.40
0145	2.6	0350	2.9	1220	0.40	1420	0.40
0150	2.0	0355	2.7				

MAY 8, 1981

0730	0.40	0840	8.8	0950	15	1055	21
0735	1.5	0845	8.8	0955	12	1100	18
0740	1.5	0850	8.9	1000	12	1105	16
0745	1.5	0855	11	1005	12	1110	14
0750	1.5	0900	15	1010	17	1115	12
0755	1.5	0905	15	1015	24	1120	10
0800	38	0910	29	1020	37	1125	7.0
0805	38	0915	37	1025	43	1130	5.0
0810	30	0920	37	1030	44	1135	4.4
0815	25	0925	35	1035	42	1140	3.0
0820	21	0930	31	1040	37	1145	2.0
0825	16	0935	27	1045	25	1150	1.0
0830	16	0940	21	1050	23	1155	0.80
0835	9.8	0945	19				

MAY 10-11, 1981

2310	0.50	2340	47	0005	30	0035	9.9
2315	0.70	2345	58	0010	26	0040	7.4
2320	1.5	2350	68	0015	22	0045	5.2
2325	17	2355	65	0020	16	0050	5.2
2330	29	2400	46	0025	14	0055	5.2
2335	39			0030	12	0100	1.5

MAY 15, 1981

0635	0.50	0845	2.1	1050	1.1	1255	13
0640	1.6	0850	2.1	1055	1.1	1300	11
0645	1.2	0855	2.1	1100	2.1	1305	10
0650	0.30	0900	4.6	1105	2.1	1310	9.0
0655	0.50	0905	4.6	1110	1.9	1315	8.0
0700	0.50	0910	4.6	1115	1.9	1320	8.0
0705	2.2	0915	4.6	1120	1.9	1325	9.0
0710	8.5	0920	4.6	1125	1.9	1330	10

TABLE 5.--Continued

10172373 NORTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 15, 1981--CONTINUED							
0715	22	0925	4.6	1130	1.9	1335	12
0720	22	0930	4.6	1135	1.1	1340	17
0725	22	0935	4.6	1140	4.0	1345	15
0730	22	0940	4.6	1145	3.9	1350	15
0735	56	0945	4.6	1150	3.9	1355	24
0740	55	0950	4.6	1155	3.9	1400	22
0745	54	0955	4.6	1200	40	1405	20
0750	48	1000	1.1	1205	64	1410	15
0755	42	1005	1.1	1210	64	1415	17
0800	37	1010	1.1	1215	74	1420	14
0805	29	1015	1.1	1220	73	1425	13
0810	22	1020	1.1	1225	74	1430	12
0815	16	1025	1.1	1230	34	1435	9.5
0820	11	1030	1.1	1235	36	1440	5.9
0825	6.5	1035	1.1	1240	37	1445	5.9
0830	3.7	1040	1.1	1245	15	1450	5.9
0835	2.1	1045	1.1	1250	14	1455	5.9
0840	2.1						
MAY 16, 1981							
0910	2.5	1100	7.2	1245	3.5	1825	4.5
0915	2.8	1105	8.0	1250	2.9	1830	4.5
0920	2.7	1110	8.6	1255	3.0	1835	11
0925	3.0	1115	9.4	1300	3.0	1840	11
0930	2.5	1120	10	1305	2.8	1845	11
0935	2.1	1125	11	1310	2.0	1850	11
0940	2.5	1130	12	1315	1.8	1855	11
0945	2.4	1135	14	1320	1.9	1900	16
0950	3.7	1140	14	1325	1.9	1905	14
0955	21	1145	14	1330	1.9	1910	12
1000	21	1150	10	1335	1.9	1915	11
1005	25	1155	9.2	1340	1.9	1920	8.6
1010	25	1200	7.4	1345	1.9	1925	6.9
1015	24	1205	6.8	1350	1.9	1930	5.6
1020	22	1210	5.5	1355	1.9	1935	4.9
1025	19	1215	5.2	1400	1.5	1940	4.2
1030	16	1220	4.1	1800	1.9	1945	3.6
1035	14	1225	4.3	1805	2.4	1950	3.6
1040	11	1230	3.5	1810	2.4	1955	2.6
1045	8.5	1235	2.8	1815	4.5	2000	2.5
1050	7.2	1240	2.8	1820	4.5	2005	2.5
1055	7.2						

TABLE 5.--Continued

10172373 NORTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 17, 1981

0300	1.7	0415	5.0	0530	6.3	0640	8.8
0305	2.5	0420	5.2	0535	6.4	0645	7.8
0310	2.5	0425	5.3	0540	6.2	0650	7.0
0315	2.5	0430	4.9	0545	6.4	0655	6.2
0320	2.5	0435	4.8	0550	6.2	0700	5.5
0325	2.5	0440	4.6	0555	6.9	0705	4.8
0330	2.5	0445	4.4	0600	7.2	0710	4.7
0335	2.5	0450	4.4	0605	8.7	0715	4.0
0340	2.5	0455	4.1	0610	10	0720	3.7
0345	2.5	0500	4.5	0615	11	0725	3.5
0350	2.5	0505	4.7	0620	11	0730	2.9
0355	2.5	0510	4.8	0625	11	0735	2.8
0400	5.8	0515	5.0	0630	11	0740	2.5
0405	5.5	0520	5.7	0635	9.6	0745	2.6
0410	5.6	0525	5.9				

MAY 20, 1981

0735	6.4	0850	0.60	1245	1.8	1400	4.8
0740	5.5	1000	2.8	1250	5.1	1405	5.4
0745	4.8	1005	2.7	1255	5.1	1410	3.0
0750	4.0	1010	2.4	1300	6.8	1415	1.8
0755	3.2	1015	2.3	1305	6.5	1420	1.2
0800	2.6	1020	2.2	1310	6.2	1425	1.1
0805	2.5	1025	1.8	1315	6.5	1430	0.90
0810	2.6	1030	1.5	1320	6.5	1435	0.90
0815	2.9	1035	1.3	1325	6.3	1440	0.60
0820	3.1	1040	1.4	1330	5.6	1445	0.60
0825	2.7	1045	1.1	1335	5.2	1450	0.60
0830	2.4	1050	0.90	1340	4.8	1455	0.40
0835	1.8	1055	0.80	1345	4.3	1500	0.40
0840	1.3	1100	0.60	1350	4.3	1505	0.40
0845	1.1	1240	1.8	1355	4.2	1510	0.40

MAY 21, 1981

0420	1.0	0700	25	1450	18	1730	10
0425	1.0	0705	22	1455	18	1735	10
0430	1.0	0710	18	1500	18	1740	10
0435	2.2	0715	15	1505	18	1745	10
0440	2.2	0720	14	1510	17	1750	5.5
0445	4.7	0725	12	1515	18	1755	4.5

TABLE 5.--Continued

10172373 NORTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 21, 1981--CONTINUED

0450	5.9	0730	10	1520	18	1800	4.2
0455	7.1	0735	9.1	1525	18	1805	4.2
0500	8.2	0740	7.4	1530	17	1810	4.2
0505	9.6	0745	6.8	1535	16	1815	4.6
0510	12	0750	5.5	1540	15	1820	4.6
0515	16	0755	4.0	1545	14	1825	4.8
0520	20	0800	3.8	1550	14	1830	4.8
0525	24	0805	3.4	1555	14	1835	4.8
0530	28	0810	2.6	1600	11	1840	4.8
0535	32	0815	1.9	1605	11	1845	4.8
0540	34	0820	1.1	1610	11	1850	4.8
0545	37	0825	0.90	1615	11	1855	4.8
0550	37	1340	0.80	1620	8.0	1900	5.5
0555	37	1345	1.5	1625	8.0	1905	5.5
0600	39	1350	1.7	1630	8.0	1910	5.5
0605	39	1355	1.7	1635	7.6	1915	5.5
0610	38	1400	3.3	1640	7.6	1920	5.5
0615	39	1405	7.8	1645	7.9	1925	5.5
0620	39	1410	10	1650	7.9	1930	5.5
0625	42	1415	10	1655	7.9	1935	5.5
0630	41	1420	14	1700	10	1940	5.5
0635	39	1425	15	1705	10	1945	5.5
0640	39	1430	16	1710	10	1950	5.5
0645	38	1435	18	1715	10	1955	5.5
0650	33	1440	18	1720	10	2000	1.5
0655	31	1445	18	1725	10	2005	0.90

MAY 27, 1981

0455	7.0	0615	5.7	0835	40	0950	7.3
0500	14	0620	4.6	0840	37	0955	6.3
0505	16	0625	3.3	0845	34	1000	5.3
0510	17	0630	2.2	0850	29	1005	4.5
0515	18	0635	1.7	0855	23	1010	3.8
0520	19	0640	1.1	0900	18	1015	3.1
0525	19	0645	0.50	0905	15	1020	2.8
0530	20	0750	2.0	0910	12	1025	2.5
0535	20	0755	18	0915	8.8	1030	2.2
0540	19	0800	37	0920	8.8	1035	1.9
0545	19	0805	41	0925	8.8	1040	1.6
0550	17	0810	45	0930	8.8	1045	1.3

TABLE 5.--Continued

10172373 NORTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 27, 1981--CONTINUED

0555	14	0815	49	0935	8.7	1050	1.0
0600	11	0820	47	0940	8.5	1055	0.80
0605	9.3	0825	45	0945	8.3	1100	0.50
0610	7.5	0830	43				

MAY 28, 1981

1420	2.0	1515	9.6	1610	6.9	1700	3.5
1425	9.0	1520	9.6	1615	6.6	1705	3.4
1430	18	1525	9.6	1620	6.3	1710	3.2
1435	33	1530	9.6	1625	6.0	1715	3.0
1440	48	1535	9.6	1630	5.7	1720	2.6
1445	62	1540	9.6	1635	5.4	1725	2.2
1450	46	1545	9.6	1640	5.1	1730	1.8
1455	30	1550	8.9	1645	4.8	1735	1.3
1500	14	1555	8.2	1650	4.4	1740	0.80
1505	13	1600	7.5	1655	3.9	1745	0.40
1510	11	1605	7.2				

JUNE 13-14, 1981

2355	0.60	0145	9.6	0600	0.40	0755	5.8
2400	1.3	0150	8.0	0605	1.7	0800	7.4
		0155	6.4	0610	3.0	0805	13
0005	2.4	0200	4.8	0615	4.4	0810	19
0010	3.6	0205	3.5	0620	4.8	0815	24
0015	4.8	0210	2.2	0625	5.3	0820	25
0020	5.4	0215	0.90	0630	5.7	0825	27
0025	6.0	0220	0.40	0635	5.4	0830	28
0030	6.6	0445	0.40	0640	5.1	0835	25
0035	7.2	0450	1.0	0645	4.8	0840	22
0040	7.8	0455	1.6	0650	4.3	0845	19
0045	8.3	0500	2.2	0655	3.6	0850	17
0050	10	0505	2.2	0700	3.1	0855	14
0055	12	0510	2.2	0705	2.8	0900	12
0100	14	0515	2.2	0710	2.5	0905	9.6
0105	18	0520	2.1	0715	2.2	0910	7.2
0110	22	0525	1.9	0720	1.8	0915	4.8
0115	26	0530	1.8	0725	1.3	0920	3.8
0120	27	0535	1.4	0730	0.90	0925	2.8
0125	28	0540	0.80	0735	1.5	0930	1.8

TABLE 5.--Continued

10172373 NORTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JUNE 13-14, 1981--CONTINUED							
0130	29	0545	0.40	0740	2.0	0935	1.2
0135	22	0550	0.40	0745	2.6	0940	0.80
0140	16	0555	0.40	0750	4.2	0945	0.40
JULY 6, 1981							
1500	1.5	1545	60	1630	42	1715	8.4
1505	1.7	1550	60	1635	38	1720	6.9
1510	2.5	1555	59	1640	31	1725	7.4
1515	7.1	1600	59	1645	26	1730	7.5
1520	7.1	1605	55	1650	23	1735	5.5
1525	7.1	1610	54	1655	18	1740	4.7
1530	7.1	1615	53	1700	14	1745	4.2
1535	7.1	1620	49	1705	11	1750	4.4
1540	61	1625	49	1710	9.1		
AUGUST 20, 1981							
0025	0.90	0055	8.2	0125	9.9	0155	3.1
0030	1.8	0100	11	0130	8.8	0200	2.2
0035	1.9	0105	11	0135	7.4	0205	1.9
0040	2.1	0110	12	0140	6.1	0210	1.6
0045	2.2	0115	12	0145	4.8	0215	1.3
0050	5.2	0120	11	0150	4.0	0220	1.3
AUGUST 24, 1981							
0520	0.90	0620	1.7	0720	19	0815	14
0525	0.90	0625	1.5	0725	21	0820	13
0530	0.90	0630	1.3	0730	22	0825	11
0535	1.0	0635	1.2	0735	22	0830	10
0540	1.2	0640	1.0	0740	22	0835	9.2
0545	1.3	0645	0.90	0745	22	0840	8.3
0550	1.5	0650	1.0	0750	21	0845	7.4
0555	1.7	0655	1.2	0755	21	0850	6.2
0600	1.8	0700	1.3	0800	20	0855	5.0
0605	1.8	0705	6.2	0805	18	0900	3.9
0610	1.8	0710	12	0810	16	0905	3.7
0615	1.8	0715	18				

TABLE 5.--Continued

10172373 NORTH CONDUIT OF EIGHTH SOUTH CONDUITS AT JORDAN RIVER,
AT SALT LAKE CITY, UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
AUGUST 29, 1981							
1555	1.3	1630	30	1700	17	1730	3.7
1600	3.2	1635	32	1705	13	1735	3.3
1605	3.2	1640	30	1710	11	1740	3.1
1610	5.1	1645	28	1715	7.8	1745	3.0
1615	9.4	1650	24	1720	7.0	1750	2.8
1620	19	1655	20	1725	4.8	1755	2.8
1625	28						
SEPTEMBER 5, 1981							
1255	1.4	1335	62	1415	60	1455	13
1300	2.1	1340	67	1420	54	1500	9.5
1305	4.8	1345	69	1425	50	1505	7.7
1310	7.1	1350	67	1430	41	1510	6.0
1315	11	1355	68	1435	34	1515	5.9
1320	18	1400	67	1440	26	1520	4.2
1325	37	1405	66	1445	21	1525	4.1
1330	52	1410	64	1450	17		

TABLE 5.--Continued

10172499 CITY CREEK (CHANNEL ONLY) AT MEMORY PARK, AT SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 12, 1980							
1830	1.2	1900	2.3	1930	3.8	2000	2.0
1845	1.2	1915	7.6	1945	2.8		
OCTOBER 26, 1980							
0930	1.5	1125	2.1	1320	2.3	1515	2.0
0935	1.5	1130	2.1	1325	2.3	1520	2.0
0940	1.5	1135	2.1	1330	2.4	1525	2.0
0945	1.5	1140	2.2	1335	2.5	1530	2.0
0950	1.5	1145	2.3	1340	2.5	1535	1.9
0955	1.5	1150	2.3	1345	2.4	1540	1.9
1000	1.5	1155	2.4	1350	2.3	1545	1.9
1005	1.5	1200	2.5	1355	2.3	1550	1.9
1010	2.2	1205	2.7	1400	2.3	1555	1.9
1015	2.2	1210	2.7	1405	2.3	1600	1.9
1020	2.2	1215	2.8	1410	2.3	1605	1.8
1025	2.1	1220	3.0	1415	2.3	1610	1.8
1030	2.2	1225	3.0	1420	2.3	1615	1.8
1035	2.5	1230	2.8	1425	2.3	1620	1.8
1040	2.7	1235	2.8	1430	2.3	1625	1.8
1045	2.5	1240	2.7	1435	2.3	1630	1.8
1050	2.4	1245	2.7	1440	2.3	1635	1.8
1055	2.4	1250	2.7	1445	2.2	1640	1.8
1100	2.4	1255	2.7	1450	2.1	1645	1.8
1105	2.3	1300	2.5	1455	2.1	1650	1.8
1110	2.2	1305	2.5	1500	2.1	1655	1.6
1115	2.1	1310	2.4	1505	2.1	1700	1.6
1120	2.1	1315	2.3	1510	2.0		
FEBRUARY 17, 1981							
0245	1.5	0400	2.1	0515	1.8	0615	1.6
0300	1.6	0415	2.3	0530	1.8	0630	1.6
0315	2.4	0430	2.0	0545	1.6	0645	1.6
0330	3.6	0445	1.9	0600	1.6	0700	1.6
0345	2.2	0500	1.8				
FEBRUARY 26, 1981							
0030	2.0	0300	2.4	0530	3.1	0800	3.0
0045	2.3	0315	2.3	0545	2.9	0815	2.9
0100	2.2	0330	2.1	0600	2.8	0830	2.8
0115	2.1	0345	2.1	0615	2.7	0845	2.6

TABLE 5.--Continued

10172499 CITY CREEK (CHANNEL ONLY) AT MEMORY PARK, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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FEBRUARY 26, 1981--CONTINUED

0130	2.1	0400	2.1	0630	2.8	0900	2.4
0145	2.3	0415	2.6	0645	2.8	0915	2.4
0200	2.6	0430	2.5	0700	2.6	0930	2.3
0215	2.8	0445	3.4	0715	2.5	0945	2.3
0230	2.6	0500	3.7	0730	2.8	1000	2.3
0245	2.4	0515	3.5	0745	3.0		

MARCH 16, 1981

1445	1.8	1615	2.7	1730	2.2	1845	2.0
1500	1.8	1630	3.3	1745	2.1	1900	2.0
1515	1.8	1645	2.5	1800	2.0	1915	2.0
1530	1.9	1700	2.3	1815	2.0	1930	2.0
1545	3.6	1715	2.2	1830	2.0	1945	2.0
1600	3.0						

MARCH 20, 1981

1400	1.8	1600	2.5	1800	2.1	2000	2.0
1415	1.8	1615	2.3	1815	2.1	2015	2.0
1430	2.8	1630	2.2	1830	2.0	2030	2.0
1445	3.1	1645	2.2	1845	2.0	2045	2.0
1500	2.8	1700	2.2	1900	2.0	2100	2.0
1515	2.5	1715	2.1	1915	2.1	2115	2.0
1530	2.3	1730	2.1	1930	2.0	2130	2.0
1545	2.4	1745	2.1	1945	2.0		

MARCH 26, 1981

0945	1.9	1315	2.4	1630	3.3	1945	2.5
1000	1.9	1330	2.8	1645	3.3	2000	2.5
1015	1.9	1345	3.1	1700	3.1	2015	2.5
1030	1.9	1400	3.6	1715	3.1	2030	2.5
1045	1.9	1415	3.8	1730	3.0	2045	2.5
1100	2.2	1430	5.0	1745	2.8	2100	2.4
1115	2.7	1445	4.8	1800	2.7	2115	2.5
1130	4.1	1500	4.8	1815	2.5	2130	2.5
1145	3.8	1515	4.1	1830	2.5	2145	2.4
1200	3.8	1530	3.9	1845	2.5	2200	2.4
1215	2.7	1545	3.6	1900	2.4	2215	2.3
1230	2.5	1600	3.6	1915	2.4	2230	2.3
1245	2.5	1615	3.4	1930	2.4	2245	2.3
1300	2.7						

TABLE 5.--Continued

10172499 CITY CREEK (CHANNEL ONLY) AT MEMORY PARK, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MARCH 29-30, 1981							
1815	2.2	2045	2.7	2315	3.4	0130	3.4
1830	2.5	2100	2.5	2330	3.6	0145	3.1
1845	2.5	2115	3.0	2345	3.3	0200	3.0
1900	2.4	2130	3.9	2400	3.4	0215	3.0
1915	2.3	2145	4.8			0230	2.8
1930	2.3	2200	5.0	0015	3.0	0245	2.7
1945	2.3	2215	4.3	0030	3.0	0300	2.7
2000	2.3	2230	4.3	0045	3.1	0315	2.5
2015	2.3	2245	3.9	0100	3.4	0330	2.5
2030	2.8	2300	3.6	0115	3.6	0345	2.5
APRIL 2, 1981							
1715	2.4	1815	3.0	1915	2.4	2000	2.4
1730	2.4	1830	2.8	1930	2.4	2015	2.7
1745	2.5	1845	2.5	1945	2.4	2030	2.8
1800	2.7	1900	2.4				
APRIL 15, 1981							
0915	3.1	1045	3.6	1200	3.6	1315	3.4
0930	3.1	1100	3.6	1215	3.6	1330	3.4
0945	3.3	1115	3.6	1230	3.8	1345	3.4
1000	3.3	1130	3.6	1245	3.6	1400	3.4
1015	3.4	1145	3.9	1300	3.4	1415	3.4
1030	3.6						
MAY 2-3, 1981							
1515	4.6	2115	11	0300	13	0900	12
1530	4.1	2130	11	0315	14	0915	11
1545	3.9	2145	11	0330	14	0930	10
1600	3.9	2200	11	0345	12	0945	10
1615	3.9	2215	11	0400	11	1000	9.8
1630	3.9	2230	11	0415	11	1015	9.8
1645	3.9	2245	11	0430	11	1030	9.8
1700	3.9	2300	11	0445	11	1045	12
1715	3.9	2315	11	0500	11	1100	11
1730	3.9	2330	10	0515	11	1115	11
1745	3.9	2345	10	0530	11	1130	15
1800	4.3	2400	10	0545	11	1145	13
1815	7.6			0600	12	1200	11

TABLE 5.--Continued

10172499 CITY CREEK (CHANNEL ONLY) AT MEMORY PARK, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 2-3, 1981--CONTINUED

1830	7.9	0015	10	0615	12	1215	11
1845	7.9	0030	10	0630	11	1230	10
1900	8.2	0045	9.5	0645	10	1245	10
1915	8.2	0100	12	0700	10	1300	9.8
1930	8.2	0115	11	0715	10	1315	9.8
1945	7.9	0130	11	0730	10	1330	9.8
2000	7.9	0145	13	0745	10	1345	9.8
2015	7.9	0200	13	0800	10	1400	11
2030	8.2	0215	13	0815	10	1415	11
2045	9.8	0230	13	0830	10	1430	10
2100	10	0245	12	0845	11		

MAY 6, 1981

0245	3.9	0330	4.8	0415	4.3	0445	4.1
0300	3.9	0345	4.3	0430	4.1	0500	4.1
0315	8.8	0400	4.3				

MAY 8, 1981

0600	4.3	0815	4.6	1030	5.3	1245	5.0
0615	4.6	0830	4.6	1045	6.7	1300	5.0
0630	4.6	0845	7.0	1100	6.5	1315	4.1
0645	5.0	0900	6.5	1115	5.5	1330	4.1
0700	5.0	0915	5.3	1130	5.7	1345	4.1
0715	5.3	0930	5.0	1145	5.5	1400	4.1
0730	7.9	0945	6.0	1200	5.0	1415	4.1
0745	5.3	1000	5.7	1215	5.3	1430	4.1
0800	5.3	1015	5.0	1230	5.0		

MAY 10-11, 1981

2215	3.4	2330	7.6	0030	5.3	0145	4.1
2230	3.4	2345	8.5	0045	4.8	0200	4.1
2245	3.6	2400	8.2	0100	4.3	0215	4.1
2300	5.3			0115	4.3	0230	4.3
2315	5.5	0015	6.7	0130	4.3		

TABLE 5.--Continued

10172499 CITY CREEK (CHANNEL ONLY) AT MEMORY PARK, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 15-16, 1981							
0615	3.4	1600	5.3	0130	6.2	1100	5.5
0630	3.4	1615	5.0	0145	5.7	1115	5.5
0645	5.0	1630	5.0	0200	5.7	1130	5.5
0700	6.0	1645	4.8	0215	5.3	1145	5.3
0715	5.3	1700	4.8	0230	5.3	1200	5.3
0730	4.8	1715	5.0	0245	5.0	1215	5.3
0745	4.8	1730	4.8	0300	5.0	1230	5.3
0800	4.3	1745	4.8	0315	4.8	1245	6.2
0815	3.9	1800	4.6	0330	4.8	1300	6.0
0830	4.1	1815	4.6	0345	4.8	1315	5.7
0845	4.1	1830	4.3	0400	4.8	1330	5.5
0900	3.9	1845	4.3	0415	5.0	1345	5.5
0915	3.9	1900	4.3	0430	5.3	1400	5.3
0930	3.9	1915	4.6	0445	5.5	1415	5.0
0945	3.8	1930	4.3	0500	5.7	1430	5.0
1000	3.8	1945	4.6	0515	5.7	1445	5.0
1015	3.8	2000	4.3	0530	5.5	1500	5.0
1030	3.8	2015	4.3	0545	5.7	1515	5.0
1045	3.8	2030	4.6	0600	5.5	1530	4.8
1100	3.8	2045	4.6	0615	5.0	1545	4.8
1115	3.8	2100	4.3	0630	5.3	1600	4.8
1130	3.9	2115	4.3	0645	5.5	1615	4.8
1145	7.9	2130	11	0700	5.0	1630	4.8
1200	5.5	2145	6.5	0715	5.0	1645	5.0
1215	5.7	2200	9.5	0730	4.8	1700	5.0
1230	5.5	2215	9.5	0745	4.8	1715	5.0
1245	4.8	2230	9.5	0800	4.8	1730	5.3
1300	4.6	2245	8.5	0815	4.8	1745	5.0
1315	4.6	2300	8.2	0830	4.6	1800	5.0
1330	4.8	2315	8.2	0845	4.6	1815	5.5
1345	6.2	2330	7.3	0900	4.6	1830	5.5
1400	5.3	2345	7.0	0915	4.8	1845	5.3
1415	5.7	2400	6.7	0930	4.8	1900	5.0
1430	5.5			0945	4.8	1915	5.0
1445	4.8	0015	6.5	1000	5.0	1930	4.8
1500	4.8	0030	7.0	1015	4.8	1945	4.8
1515	4.6	0045	7.6	1030	5.5	2000	5.0
1530	4.3	0100	7.3	1045	5.3	2015	4.8
1545	4.3	0115	6.7				

TABLE 5.--Continued

10172499 CITY CREEK (CHANNEL ONLY) AT MEMORY PARK, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 17, 1981							
0145	4.8	0330	6.0	0515	5.0	0645	4.8
0200	4.6	0345	6.0	0530	5.3	0700	4.8
0215	5.5	0400	5.7	0545	5.3	0715	4.8
0230	5.5	0415	5.7	0600	5.3	0730	5.3
0245	5.7	0430	5.5	0615	5.3	0745	5.3
0300	5.7	0445	5.0	0630	5.0	0800	5.3
0315	6.0	0500	5.0				
MAY 20, 1981							
0615	4.8	0845	4.3	1115	5.5	1330	4.6
0630	5.0	0900	5.0	1130	5.3	1345	5.3
0645	5.3	0915	4.8	1145	4.6	1400	5.5
0700	5.7	0930	4.6	1200	4.6	1415	5.5
0715	5.3	0945	4.6	1215	5.3	1430	5.0
0730	5.3	1000	4.6	1230	5.0	1445	4.8
0745	5.3	1015	4.6	1245	4.8	1500	4.8
0800	4.6	1030	4.3	1300	4.8	1515	4.6
0815	4.6	1045	5.0	1315	4.8	1530	4.6
0830	4.6	1100	5.0				
MAY 21, 1981							
0115	7.3	0630	16	1145	14	1700	19
0130	7.3	0645	16	1200	14	1715	19
0145	7.3	0700	15	1215	14	1730	19
0200	11	0715	15	1230	14	1745	19
0215	12	0730	14	1245	14	1800	19
0230	11	0745	16	1300	13	1815	19
0245	11	0800	16	1315	13	1830	17
0300	11	0815	14	1330	14	1845	17
0315	11	0830	14	1345	14	1900	17
0330	11	0845	14	1400	15	1915	16
0345	11	0900	14	1415	14	1930	15
0400	12	0915	14	1430	15	1945	15
0415	13	0930	14	1445	15	2000	15
0430	13	0945	14	1500	16	2015	15
0445	13	1000	14	1515	15	2030	15
0500	16	1015	14	1530	16	2045	15
0515	17	1030	14	1545	16	2100	12
0530	16	1045	15	1600	16	2115	12

TABLE 5.--Continued

10172499 CITY CREEK (CHANNEL ONLY) AT MEMORY PARK, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 21, 1981--CONTINUED							
0545	16	1100	14	1615	16	2130	12
0600	16	1115	13	1630	18	2145	12
0615	17	1130	14	1645	20		
MAY 27, 1981							
0315	17	0545	19	0815	25	1045	25
0330	17	0600	18	0830	24	1100	23
0345	17	0615	22	0845	23	1115	23
0400	17	0630	23	0900	23	1130	24
0415	17	0645	23	0915	24	1145	24
0430	20	0700	23	0930	24	1200	24
0445	21	0715	23	0945	24	1215	23
0500	22	0730	25	1000	24	1230	25
0515	20	0745	28	1015	23	1245	24
0530	19	0800	26	1030	25	1300	25
MAY 28, 1981							
1415	24	1445	24	1515	25	1545	25
1430	24	1500	25	1530	24		
JUNE 2, 1981							
1715	15	1830	15	1945	22	2045	22
1730	14	1845	15	2000	26	2100	20
1745	18	1900	15	2015	24	2115	20
1800	16	1915	15	2030	23	2130	30
1815	18	1930	16				
JUNE 3, 1981							
0530	26	0615	26	0700	29	0745	22
0545	26	0630	29	0715	25	0800	22
0600	26	0645	31	0730	20		

TABLE 5.--Continued

10172499 CITY CREEK (CHANNEL ONLY) AT MEMORY PARK, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
JULY 2, 1981							
0615	3.3	0730	3.3	0830	7.9	0930	3.9
0630	3.3	0745	3.3	0845	5.5	0945	3.9
0645	3.3	0800	12	0900	4.3	1000	3.9
0700	3.4	0815	7.9	0915	4.1	1015	3.8
0715	3.4						
JULY 6, 1981							
1415	3.0	1500	2.8	1545	11	1630	4.3
1430	2.8	1515	22	1600	6.0	1645	3.9
1445	2.8	1530	11	1615	4.3	1700	5.3
JULY 9, 1981							
1600	2.8	1745	2.8	1915	9.1	2045	3.4
1615	2.8	1800	2.8	1930	7.0	2100	3.3
1630	2.8	1815	2.8	1945	5.3	2115	3.1
1645	2.8	1830	2.8	2000	3.9	2130	3.1
1700	2.8	1845	2.8	2015	3.6	2145	3.0
1715	2.8	1900	20	2030	3.4	2200	3.0
1730	2.8						
AUGUST 20, 1981							
0015	2.5	0115	3.0	0215	3.0	0315	2.7
0030	2.5	0130	3.3	0230	3.0	0330	2.7
0045	3.4	0145	3.1	0245	2.8	0345	2.7
0100	3.8	0200	3.0	0300	2.8		
AUGUST 24, 1981							
0715	2.7	0800	3.4	0845	2.8	0915	2.7
0730	2.7	0815	3.0	0900	2.7	0930	2.7
0745	2.7	0830	2.8				

TABLE 5.--Continued

10172499 CITY CREEK (CHANNEL CREEK) AT MEMORY PARK, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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SEPTEMBER 5, 1981

0415	2.4	0715	2.5	1000	2.4	1245	2.5
0430	2.5	0730	2.5	1015	2.4	1300	2.5
0445	2.7	0745	2.5	1030	2.4	1315	8.8
0500	2.8	0800	2.4	1045	2.4	1330	6.7
0515	2.5	0815	2.4	1100	2.4	1345	6.5
0530	2.7	0830	2.4	1115	2.4	1400	5.3
0545	3.1	0845	2.4	1130	2.4	1415	4.1
0600	2.8	0900	2.4	1145	3.0	1430	3.6
0615	2.8	0915	2.4	1200	2.8	1445	3.4
0630	2.8	0930	2.4	1215	2.5	1500	3.3
0645	2.7	0945	2.4	1230	2.5	1515	3.1
0700	2.5						

TABLE 5.--Continued

10172520 NORTH TEMPLE CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
AUGUST 19, 1980							
0915	3.1	1000	3.7	1045	7.9	1115	4.3
0930	2.9	1015	3.5	1100	6.9	1130	3.2
0945	4.8	1030	3.0				
AUGUST 25, 1980							
1030	4.5	1115	14	1200	24	1245	4.9
1045	4.7	1130	11	1215	14	1300	3.6
1100	6.5	1145	9.9	1230	7.4		
OCTOBER 12, 1980							
1830	1.7	1900	13	1930	3.4	2000	1.3
1845	12	1915	5.4	1945	2.4		
OCTOBER 26, 1980							
0930	1.4	1130	4.6	1330	11	1530	6.6
0945	1.5	1145	9.7	1345	10	1545	5.5
1000	1.6	1200	9.8	1400	8.5	1600	4.4
1015	1.6	1215	9.3	1415	8.2	1615	3.6
1030	1.6	1230	9.2	1430	8.1	1630	3.3
1045	1.4	1245	10	1445	8.0	1645	3.1
1100	3.8	1300	10	1500	8.0	1700	2.9
1115	4.6	1315	10	1515	7.5		
FEBRUARY 17, 1981							
0245	5.0	0400	13	0515	12	0615	5.4
0300	5.0	0415	43	0530	10	0630	4.3
0315	5.0	0430	47	0545	8.9	0645	3.9
0330	7.0	0445	22	0600	7.0	0700	3.5
0345	8.5	0500	16				
FEBRUARY 26, 1981							
0030	1.9	0300	26	0530	21	0800	4.6
0045	1.9	0315	19	0545	12	0815	5.4
0100	1.9	0330	14	0600	9.3	0830	5.4
0115	2.7	0345	10	0615	7.4	0845	5.8
0130	3.5	0400	8.1	0630	5.4	0900	6.2
0145	4.3	0415	5.8	0645	4.6	0915	4.6

TABLE 5.--Continued

10172520 NORTH TEMPLE CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
FEBRUARY 26, 1981--CONTINUED							
0200	4.6	0430	5.0	0700	4.3	0930	3.9
0215	5.0	0445	5.0	0715	4.3	0945	3.1
0230	8.5	0500	27	0730	4.3	1000	1.9
0245	37	0515	29	0745	4.3		
MARCH 16, 1981							
1445	3.1	1615	2.7	1730	22	1845	6.2
1500	3.5	1630	2.7	1745	19	1900	5.4
1515	3.9	1645	55	1800	15	1915	4.3
1530	4.3	1700	43	1815	9.7	1930	3.9
1545	3.5	1715	26	1830	7.7	1945	3.1
1600	3.1						
MARCH 20, 1981							
1400	1.9	1600	23	1800	8.1	2000	3.1
1415	1.9	1615	17	1815	7.7	2015	2.7
1430	1.5	1630	12	1830	7.7	2030	2.7
1445	3.4	1645	13	1845	6.2	2045	2.7
1500	51	1700	13	1900	5.4	2100	2.3
1515	43	1715	11	1915	4.6	2115	2.3
1530	31	1730	9.7	1930	4.3	2130	1.9
1545	24	1745	8.9	1945	3.5		
MARCH 26, 1981							
0945	2.7	1315	32	1630	14	1945	8.9
1000	2.7	1330	29	1645	12	2000	8.9
1015	2.7	1345	26	1700	10	2015	8.1
1030	2.7	1400	23	1715	9.7	2030	8.1
1045	52	1415	21	1730	8.9	2045	8.1
1100	56	1430	25	1745	8.1	2100	9.7
1115	59	1445	22	1800	7.0	2115	9.2
1130	55	1500	20	1815	6.2	2130	8.1
1145	46	1515	20	1830	5.0	2145	7.0
1200	43	1530	20	1845	5.4	2200	5.8
1215	39	1545	20	1900	5.4	2215	5.0
1230	37	1600	19	1915	5.8	2230	4.3
1245	35	1615	17	1930	6.6	2245	3.9
1300	33						

TABLE 5.--Continued

10172520 NORTH TEMPLE CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MARCH 29-30, 1981							
1815	2.3	2045	3.9	2315	23	0130	10
1830	16	2100	75	2330	20	0145	9.3
1845	13	2115	60	2345	18	0200	8.9
1900	9.3	2130	35	2400	17	0215	7.7
1915	7.7	2145	27			0230	7.4
1930	6.2	2200	26	0015	15	0245	7.0
1945	4.6	2215	25	0030	13	0300	7.0
2000	3.9	2230	27	0045	12	0315	6.2
2015	3.9	2245	26	0100	12	0330	6.2
2030	3.9	2300	26	0115	11	0345	5.4
APRIL 2, 1981							
1715	4.3	1815	3.1	1915	10	2000	5.4
1730	4.3	1830	15	1930	7.7	2015	5.0
1745	3.9	1845	12	1945	6.2	2030	4.6
1800	3.9	1900	11				
APRIL 15, 1981							
0915	7.0	1045	26	1200	33	1315	14
0930	6.6	1100	38	1215	27	1330	12
0945	6.6	1115	38	1230	22	1345	10
1000	6.6	1130	36	1245	20	1400	9.3
1015	12	1145	42	1300	16	1415	8.9
1030	17						
MAY 2-3, 1981							
1515	7.2	2115	13	0300	30	0900	12
1530	7.2	2130	13	0315	27	0915	12
1545	7.6	2145	13	0330	26	0930	12
1600	7.2	2200	13	0345	26	0945	14
1615	7.2	2215	14	0400	25	1000	15
1630	7.2	2230	15	0415	19	1015	13
1645	8.2	2245	16	0430	16	1030	14
1700	16	2300	17	0445	14	1045	13
1715	13	2315	17	0500	12	1100	13
1730	11	2330	18	0515	12	1115	12
1745	10	2345	18	0530	12	1130	22
1800	8.2	2400	17	0545	13	1145	24
1815	7.8			0600	15	1200	27

TABLE 5.--Continued

10172520 NORTH TEMPLE CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 2-3, 1981--CONTINUED							
1830	7.6	0015	33	0615	16	1215	30
1845	7.6	0030	29	0630	16	1230	26
1900	7.6	0045	24	0645	15	1245	23
1915	7.4	0100	18	0700	14	1300	19
1930	7.4	0115	12	0715	13	1315	16
1945	7.4	0130	10	0730	12	1330	15
2000	13	0145	34	0745	12	1345	14
2015	13	0200	32	0800	12	1400	13
2030	13	0215	33	0815	12	1415	13
2045	13	0230	35	0830	12	1430	12
2100	14	0245	34	0845	12		
MAY 6, 1981							
0245	5.7	0330	24	0415	12	0445	7.8
0300	8.0	0345	18	0430	9.2	0500	6.9
0315	25	0400	14				
MAY 8, 1981							
0600	4.3	0815	27	1030	29	1245	14
0615	4.3	0830	19	1045	25	1300	12
0630	4.7	0845	32	1100	26	1315	11
0645	4.7	0900	48	1115	33	1330	11
0700	6.2	0915	41	1130	26	1345	10
0715	7.6	0930	29	1145	20	1400	9.5
0730	38	0945	21	1200	18	1415	9.0
0745	48	1000	42	1215	15	1430	8.6
0800	39	1015	44	1230	14		
MAY 10-11, 1981							
2215	5.2	2330	53	0030	32	0145	6.1
2230	5.2	2345	70	0045	24	0200	5.2
2245	5.7	2400	55	0100	15	0215	4.7
2300	5.7			0115	9.5	0230	3.8
2315	70	0015	43	0130	7.6		

TABLE 5.--Continued

10172520 NORTH TEMPLE CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 15-16, 1981							
0615	2.8	1600	6.8	0130	40	1100	57
0630	3.4	1615	8.0	0145	31	1115	51
0645	79	1630	8.0	0200	26	1130	38
0700	81	1645	8.0	0215	23	1145	29
0715	74	1700	8.0	0230	19	1200	23
0730	51	1715	8.0	0245	15	1215	18
0745	22	1730	8.0	0300	11	1230	14
0800	17	1745	7.4	0315	10	1245	11
0815	13	1800	7.4	0330	9.7	1300	9.1
0830	11	1815	6.8	0345	9.7	1315	9.1
0845	19	1830	6.8	0400	8.6	1330	9.1
0900	17	1845	6.8	0415	9.1	1345	9.1
0915	11	1900	6.8	0430	9.7	1400	8.0
0930	8.0	1915	6.3	0445	14	1415	6.8
0945	5.7	1930	5.7	0500	35	1430	6.8
1000	4.6	1945	5.7	0515	34	1445	6.8
1015	4.6	2000	5.1	0530	30	1500	6.3
1030	4.6	2015	4.0	0545	33	1515	5.1
1045	4.6	2030	4.0	0600	23	1530	5.1
1100	4.6	2045	4.0	0615	23	1545	4.6
1115	24	2100	4.0	0630	21	1600	4.6
1130	74	2115	3.4	0645	20	1615	4.0
1145	84	2130	3.4	0700	21	1630	4.0
1200	68	2145	113	0715	20	1645	4.0
1215	36	2200	108	0730	15	1700	4.0
1230	31	2215	105	0745	13	1715	4.0
1245	33	2230	97	0800	11	1730	4.0
1300	38	2245	91	0815	9.7	1745	4.0
1315	32	2300	78	0830	9.7	1800	8.0
1330	34	2315	72	0845	9.1	1815	14
1345	40	2330	59	0900	8.6	1830	23
1400	31	2345	48	0915	8.0	1845	30
1415	26	2400	57	0930	6.8	1900	26
1430	23			0945	33	1915	19
1445	17	0015	71	1000	32	1930	16
1500	13	0030	80	1015	27	1945	14
1515	9.1	0045	78	1030	23	2000	9.7
1530	9.1	0100	79	1045	58	2015	7.4
1545	9.1	0115	58				

TABLE 5.--Continued

10172520 NORTH TEMPLE CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
MAY 17, 1981							
0145	4.0	0330	12	0515	17	0645	17
0200	4.0	0345	14	0530	18	0700	14
0215	4.0	0400	15	0545	19	0715	11
0230	4.0	0415	16	0600	23	0730	9.1
0245	3.4	0430	18	0615	23	0745	7.4
0300	4.6	0445	16	0630	21	0800	6.8
0315	6.8	0500	15				
MAY 20, 1981							
0615	3.4	0845	14	1115	6.8	1330	21
0630	4.6	0900	8.0	1130	6.8	1345	17
0645	4.6	0915	6.8	1145	6.8	1400	14
0700	5.7	0930	9.1	1200	8.0	1415	24
0715	17	0945	18	1215	8.0	1430	24
0730	31	1000	16	1230	9.1	1445	22
0745	26	1015	14	1245	10	1500	17
0800	21	1030	11	1300	21	1515	6.8
0815	15	1045	9.1	1315	23	1530	3.4
0830	17	1100	8.0				
MAY 21, 1981							
0115	10	0630	57	1145	16	1700	46
0130	9.1	0645	35	1200	15	1715	42
0145	9.1	0700	30	1215	19	1730	36
0200	9.1	0715	26	1230	18	1745	30
0215	10	0730	22	1245	18	1800	23
0230	13	0745	22	1300	18	1815	24
0245	24	0800	22	1315	18	1830	23
0300	29	0815	22	1330	18	1845	22
0315	25	0830	19	1345	23	1900	19
0330	23	0845	16	1400	30	1915	18
0345	24	0900	16	1415	39	1930	17
0400	31	0915	16	1430	41	1945	17
0415	39	0930	16	1445	42	2000	17
0430	48	0945	16	1500	42	2015	17
0445	60	1000	15	1515	42	2030	17
0500	82	1015	15	1530	40	2045	16
0515	97	1030	15	1545	35	2100	15
0530	95	1045	15	1600	32	2115	15

TABLE 5.--Continued

10172520 NORTH TEMPLE CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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MAY 21, 1981--CONTINUED

0545	93	1100	15	1615	31	2130	14
0600	92	1115	17	1630	27	2145	13
0615	70	1130	17	1645	34		

MAY 27, 1981

0315	27	0545	64	0815	78	1045	43
0330	27	0600	44	0830	66	1100	43
0345	26	0615	34	0845	59	1115	42
0400	25	0630	30	0900	52	1130	40
0415	25	0645	32	0915	57	1145	39
0430	30	0700	32	0930	58	1200	38
0445	36	0715	33	0945	57	1215	38
0500	43	0730	35	1000	56	1230	36
0515	63	0745	50	1015	46	1245	36
0530	73	0800	63	1030	46	1300	35

MAY 28, 1981

1415	52	1445	187	1515	104	1545	60
1430	50	1500	131	1530	76		

JUNE 2, 1981

1715	42	1830	65	1945	161	2045	81
1730	46	1845	55	2000	150	2100	48
1745	80	1900	42	2015	138	2115	38
1800	104	1915	40	2030	115	2130	32
1815	82	1930	70				

JUNE 3, 1981

0530	46	0615	60	0700	73	0745	47
0545	44	0630	80	0715	59	0800	43
0600	46	0645	84	0730	54		

JUNE 13-14, 1981

2315	38	0200	65	0500	31	0800	112
2330	41	0215	47	0515	34	0815	117
2345	44	0230	40	0530	33	0830	88

TABLE 5.--Continued

10172520 NORTH TEMPLE CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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JUNE 13-14, 1981--CONTINUED

2400	47	0245	35	0545	32	0845	67
		0300	31	0600	34	0900	47
0015	51	0315	28	0615	41	0915	42
0030	115	0330	27	0630	42	0930	39
0045	138	0345	26	0645	43	0945	35
0100	106	0400	27	0700	43	1000	32
0115	96	0415	26	0715	43	1015	30
0130	99	0430	27	0730	35	1030	28
0145	79	0445	28	0745	34		

JULY 2, 1981

0615	3.1	0730	3.1	0830	47	0930	6.2
0630	4.6	0745	3.1	0845	31	0945	3.8
0645	3.8	0800	16	0900	20	1000	3.1
0700	3.1	0815	79	0915	9.2	1015	2.3
0715	3.1						

JULY 6, 1981

1415	2.3	1500	162	1545	39	1630	12
1430	2.3	1515	112	1600	23	1645	9.2
1445	2.3	1530	51	1615	17	1700	5.4

JULY 9, 1981

1600	3.8	1745	3.8	1915	60	2045	14
1615	3.8	1800	3.8	1930	46	2100	10
1630	3.8	1815	3.8	1945	32	2115	7.7
1645	3.8	1830	3.1	2000	23	2130	6.2
1700	3.8	1845	3.1	2015	15	2145	5.4
1715	3.8	1900	68	2030	15	2200	4.6
1730	3.8						

AUGUST 20, 1981

0015	2.3	0115	26	0215	12	0315	4.6
0030	2.3	0130	23	0230	9.2	0330	4.6
0045	29	0145	20	0245	7.7	0345	3.8
0100	30	0200	15	0300	6.2		

TABLE 5.--Continued

10172520 NORTH TEMPLE CONDUIT AT JORDAN RIVER, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
AUGUST 24, 1981							
0715	6.2	0800	18	0845	15	0915	8.5
0730	6.2	0815	21	0900	12	0930	6.9
0745	6.9	0830	17				
SEPTEMBER 5, 1981							
0415	8.5	0715	13	1000	3.8	1245	6.2
0430	8.5	0730	10	1015	3.1	1300	6.9
0445	8.5	0745	6.9	1030	3.1	1315	124
0500	13	0800	6.9	1045	3.1	1330	101
0515	14	0815	6.2	1100	3.1	1345	71
0530	17	0830	5.4	1115	3.1	1400	51
0545	18	0845	4.6	1130	3.1	1415	42
0600	19	0900	3.8	1145	3.1	1430	22
0615	19	0915	3.8	1200	2.3	1445	12
0630	17	0930	3.8	1215	2.3	1500	7.7
0645	17	0945	3.8	1230	3.8	1515	6.9
0700	15						
SEPTEMBER 6, 1981							
0500	3.1	0600	3.1	0700	26	0800	12
0515	3.1	0615	7.7	0715	21	0815	9.2
0530	3.1	0630	33	0730	18	0830	6.9
0545	3.1	0645	34	0745	15		

TABLE 5.--Continued

404653111545801 NINTH WEST CONDUIT AT 536 NORTH, AT SALT LAKE CITY, UTAH

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
AUGUST 24, 1981							
0620	0.02	0735	0.05	0850	0.87	1005	0.21
0625	0.08	0740	0.03	0855	0.83	1010	0.19
0630	0.18	0745	0.02	0900	0.74	1015	0.16
0635	0.22	0750	0.02	0905	0.66	1020	0.14
0640	0.24	0755	0.01	0910	0.61	1025	0.11
0645	0.21	0800	0.01	0915	0.54	1030	0.11
0650	0.21	0805	0.02	0920	0.49	1035	0.08
0655	0.19	0810	0.05	0925	0.42	1040	0.08
0700	0.18	0815	0.27	0930	0.39	1045	0.06
0705	0.14	0820	0.47	0935	0.36	1050	0.06
0710	0.14	0825	0.54	0940	0.33	1055	0.04
0715	0.11	0830	0.55	0945	0.29	1100	0.04
0720	0.11	0835	0.61	0950	0.27	1105	0.03
0725	0.09	0840	0.76	0955	0.23	1110	0.03
0730	0.07	0845	0.82	1000	0.23		
SEPTEMBER 5, 1981							
0835	0.01	1320	0.47	1500	1.2	1640	0.23
0840	0.14	1325	1.7	1505	1.2	1645	0.22
0845	0.21	1330	2.9	1510	1.0	1650	0.19
0850	0.23	1335	3.6	1515	0.94	1655	0.18
0855	0.24	1340	4.1	1520	0.85	1700	0.17
0900	0.27	1345	4.3	1525	0.79	1705	0.15
0905	0.27	1350	4.4	1530	0.70	1710	0.14
0910	0.27	1355	4.1	1535	0.65	1715	0.14
0915	0.27	1400	4.0	1540	0.59	1720	0.12
0920	0.21	1405	3.7	1545	0.56	1725	0.12
0925	0.19	1410	3.3	1550	0.53	1730	0.10
0930	0.13	1415	2.9	1555	0.46	1735	0.10
0935	0.07	1420	2.6	1600	0.42	1740	0.08
1240	0.13	1425	2.3	1605	0.42	1745	0.08
1245	0.25	1430	2.1	1610	0.39	1750	0.07
1250	0.28	1435	1.9	1615	0.35	1755	0.06
1255	0.28	1440	1.7	1620	0.31	1800	0.06
1300	0.29	1445	1.5	1625	0.31	1805	0.05
1305	0.29	1450	1.4	1630	0.27	1810	0.04
1310	0.29	1455	1.3	1635	0.25	1815	0.03
1315	0.29						

TABLE 5.--Continued

404653111545801 NINTH WEST CONDUIT AT 536 NORTH, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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SEPTEMBER 6, 1981

0630	0.16	0835	0.22	1040	0.62	1240	0.23
0635	0.14	0840	0.21	1045	0.82	1245	0.20
0640	0.18	0845	0.21	1050	0.92	1250	0.17
0645	0.41	0850	0.19	1055	1.0	1255	0.17
0650	0.55	0855	0.19	1100	1.0	1300	0.14
0655	0.61	0900	0.16	1105	1.0	1305	0.14
0700	0.66	0905	0.16	1110	1.0	1310	0.14
0705	0.66	0910	0.16	1115	1.0	1315	0.13
0710	0.64	0915	0.16	1120	0.96	1320	0.11
0715	0.59	0920	0.16	1125	0.91	1325	0.11
0720	0.56	0925	0.16	1130	0.84	1330	0.10
0725	0.56	0930	0.14	1135	0.76	1335	0.10
0730	0.52	0935	0.14	1140	0.67	1340	0.08
0735	0.50	0940	0.14	1145	0.63	1345	0.08
0740	0.46	0945	0.14	1150	0.56	1350	0.08
0745	0.43	0950	0.14	1155	0.53	1355	0.06
0750	0.41	0955	0.14	1200	0.45	1400	0.06
0755	0.37	1000	0.14	1205	0.42	1405	0.06
0800	0.35	1005	0.15	1210	0.39	1410	0.05
0805	0.33	1010	0.17	1215	0.37	1415	0.05
0810	0.31	1015	0.18	1220	0.33	1420	0.03
0815	0.28	1020	0.22	1225	0.31	1425	0.03
0820	0.27	1025	0.27	1230	0.27	1430	0.02
0825	0.26	1030	0.36	1235	0.23	1435	0.02
0830	0.22	1035	0.48				

OCTOBER 3, 1981

0955	0.16	1135	0.53	1315	0.21	2225	0.17
1000	0.32	1140	0.49	1320	0.20	2230	0.17
1005	0.50	1145	0.46	1325	0.19	2235	0.17
1010	0.69	1150	0.44	1330	0.17	2240	0.94
1015	0.88	1155	0.43	1335	0.16	2245	1.8
1020	1.0	1200	0.42	1340	0.15	2250	2.6
1025	1.2	1205	0.38	1345	0.14	2255	2.7
1030	1.1	1210	0.34	1350	0.12	2300	2.8
1035	1.1	1215	0.31	1355	0.11	2305	3.0
1040	1.1	1220	0.38	1400	0.10	2310	3.3
1045	1.1	1225	0.25	1405	0.09	2315	3.5
1050	1.1	1230	0.25	1410	0.08	2320	3.5
1055	1.0	1235	0.25	1415	0.07	2325	3.6

TABLE 5.--Continued

404653111545801 NINTH WEST CONDUIT AT 536 NORTH, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 3, 1981--CONTINUED							
1100	0.95	1240	0.25	1420	0.06	2330	3.5
1105	0.86	1245	0.25	1425	0.05	2335	3.5
1110	0.76	1250	0.25	1430	0.04	2340	3.4
1115	0.66	1255	0.25	1435	0.03	2345	3.4
1120	0.63	1300	0.25	1440	0.02	2350	3.3
1125	0.59	1305	0.24	2215	0.17	2355	3.1
1130	0.56	1310	0.23	2220	0.17	2400	3.0
OCTOBER 4, 1981							
0005	2.8	0205	0.95	0405	0.17	2010	0.20
0010	2.7	0210	0.90	0410	0.16	2015	0.26
0015	2.5	0215	0.84	0415	0.15	2020	0.32
0020	2.4	0220	0.79	0420	0.14	2025	0.97
0025	2.2	0225	0.73	0425	0.13	2030	1.6
0030	2.1	0230	0.66	0430	0.12	2035	1.5
0035	2.0	0235	0.63	0435	0.11	2040	1.5
0040	2.0	0240	0.60	0440	0.10	2045	1.5
0045	1.9	0245	0.57	0445	0.09	2050	1.5
0050	1.9	0250	0.54	0450	0.08	2055	1.5
0055	1.8	0255	0.52	0455	0.07	2100	1.4
0100	1.7	0300	0.51	0500	0.06	2105	1.4
0105	1.6	0305	0.47	0505	0.06	2110	1.4
0110	1.5	0310	0.43	0510	0.05	2115	1.4
0115	1.4	0315	0.39	0515	0.05	2120	1.4
0120	1.4	0320	0.35	0520	0.04	2125	1.3
0125	1.3	0325	0.30	0525	0.04	2130	1.2
0130	1.3	0330	0.26	0530	0.04	2135	1.0
0135	1.3	0335	0.24	0535	0.03	2140	0.81
0140	1.2	0340	0.23	0540	0.03	2145	0.63
0145	1.2	0345	0.21	0545	0.02	2150	0.45
0150	1.1	0350	0.20	1955	0.05	2155	0.27
0155	1.1	0355	0.19	2000	0.10	2200	0.09
0200	1.0	0400	0.18	2005	0.15	2205	0.03
OCTOBER 7-8, 1981							
2400	0.01	0230	4.4	0500	1.1	0730	0.19
		0235	4.3	0505	1.1	0735	0.17
0005	0.07	0240	4.2	0510	1.0	0740	0.16
0010	0.07	0245	4.1	0515	0.96	0745	0.15

TABLE 5.--Continued

404653111545801 NINTH WEST CONDUIT AT 536 NORTH, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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OCTOBER 7-8, 1981--CONTINUED

0015	0.07	0250	3.9	0520	0.92	0750	0.13
0020	1.4	0255	3.7	0525	0.87	0755	0.12
0025	2.7	0300	3.5	0530	0.82	0800	0.11
0030	4.1	0305	3.3	0535	0.79	0805	0.10
0035	4.2	0310	3.2	0540	0.76	0810	0.09
0040	4.4	0315	3.0	0545	0.74	0815	0.09
0045	4.3	0320	2.8	0550	0.71	0820	0.09
0050	4.2	0325	2.7	0555	0.69	0825	0.09
0055	4.3	0330	2.5	0600	0.66	0830	0.09
0100	4.3	0335	2.4	0605	0.64	0835	0.09
0105	4.4	0340	2.3	0610	0.63	0840	0.09
0110	4.2	0345	2.2	0615	0.61	0845	0.09
0115	4.2	0350	2.1	0620	0.60	0850	0.09
0120	4.2	0355	2.0	0625	0.58	0855	0.09
0125	4.4	0400	1.9	0630	0.57	0900	0.09
0130	4.7	0405	1.8	0635	0.53	0905	0.09
0135	4.8	0410	1.7	0640	0.50	0910	0.09
0140	4.8	0415	1.6	0645	0.47	0915	0.09
0145	4.8	0420	1.6	0650	0.44	0920	0.09
0150	4.8	0425	1.5	0655	0.41	0925	0.08
0155	4.9	0430	1.4	0700	0.38	0930	0.07
0200	4.9	0435	1.3	0705	0.34	0935	0.06
0205	5.0	0440	1.3	0710	0.31	0940	0.05
0210	5.0	0445	1.2	0715	0.28	0945	0.04
0215	4.7	0450	1.2	0720	0.25	0950	0.03
0220	4.6	0455	1.1	0725	0.22	0955	0.02
0225	4.5						

OCTOBER 10, 1981

1230	0.01	1630	0.16	1845	1.4	2055	0.38
1235	0.05	1635	0.22	1850	1.3	2100	0.36
1240	0.09	1640	0.28	1855	1.2	2105	0.34
1245	0.13	1645	0.34	1900	1.2	2110	0.32
1250	0.17	1650	0.40	1905	1.1	2115	0.30
1255	0.26	1655	1.7	1910	0.99	2120	0.28
1300	0.26	1700	3.7	1915	0.90	2125	0.27
1305	0.26	1705	5.7	1920	0.81	2130	0.25
1310	0.25	1710	6.6	1925	0.72	2135	0.23
1315	0.24	1715	5.7	1930	0.69	2140	0.22
1320	0.24	1720	4.5	1935	0.67	2145	0.20
1325	0.23	1725	4.8	1940	0.64	2150	0.18

TABLE 5.--Continued

404653111545801 NINTH WEST CONDUIT AT 536 NORTH, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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OCTOBER 10,1981--CONTINUED

1330	0.21	1730	4.8	1945	0.62	2155	0.17
1335	0.19	1735	4.9	1950	0.59	2200	0.15
1340	0.17	1740	5.3	1955	0.57	2205	0.13
1345	0.15	1745	4.4	2000	0.54	2210	0.12
1350	0.13	1750	3.6	2005	0.52	2215	0.11
1355	0.11	1755	3.4	2010	0.50	2220	0.10
1400	0.09	1800	3.2	2015	0.47	2225	0.09
1405	0.08	1805	2.9	2020	0.46	2230	0.08
1410	0.07	1810	2.6	2025	0.45	2235	0.07
1415	0.06	1815	2.4	2030	0.44	2240	0.06
1420	0.05	1820	2.1	2035	0.43	2245	0.05
1425	0.03	1825	1.9	2040	0.42	2250	0.04
1430	0.02	1830	1.7	2045	0.41	2255	0.03
1620	0.04	1835	1.6	2050	0.40	2300	0.02
1625	0.10	1840	1.5				

OCTOBER 11,1981

0010	0.01	1030	0.24	1405	0.56	1740	1.0
0015	0.05	1035	0.59	1410	0.58	1745	0.95
0020	0.10	1040	0.94	1415	0.88	1750	0.89
0025	0.15	1045	1.3	1420	1.2	1755	0.84
0030	0.21	1050	1.3	1425	1.2	1800	0.78
0035	0.22	1055	1.2	1430	1.3	1805	0.73
0040	0.23	1100	1.2	1435	1.3	1810	0.67
0045	0.24	1105	1.1	1440	1.2	1815	0.62
0050	0.24	1110	0.94	1445	1.2	1820	0.59
0055	0.24	1115	0.83	1450	1.1	1825	0.57
0100	0.24	1120	0.71	1455	1.0	1830	0.54
0105	0.24	1125	0.68	1500	0.93	1835	0.52
0110	0.24	1130	0.65	1505	0.84	1840	0.49
0115	0.24	1135	0.63	1510	0.75	1845	0.47
0120	0.24	1140	0.60	1515	0.66	1850	0.44
0125	0.24	1145	0.58	1520	0.63	1855	0.42
0130	0.24	1150	1.9	1525	0.60	1900	0.39
0135	0.03	1155	2.0	1530	0.57	1905	0.37
0140	0.03	1200	2.0	1535	0.54	1910	0.34
0145	0.02	1205	1.9	1540	0.51	1915	0.32
0150	0.02	1210	1.8	1545	0.49	1920	0.30
0840	0.11	1215	1.7	1550	0.46	1925	0.29
0845	0.11	1220	1.6	1555	0.44	1930	0.28

TABLE 5.--Continued

404653111545801 NINTH WEST CONDUIT AT 536 NORTH, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
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OCTOBER 11, 1981--CONTINUED

0850	0.20	1225	1.6	1600	0.41	1935	0.26
0855	0.29	1230	1.5	1605	0.39	1940	0.25
0900	0.37	1235	1.4	1610	0.36	1945	0.24
0905	0.45	1240	1.4	1615	0.34	1950	0.22
0910	0.39	1245	1.3	1620	0.31	1955	0.21
0915	0.33	1250	1.2	1625	0.29	2000	0.20
0920	0.31	1255	1.1	1630	0.26	2005	0.18
0925	0.29	1300	1.0	1635	0.24	2010	0.17
0930	0.27	1305	0.91	1640	0.22	2015	0.16
0935	0.25	1310	0.81	1645	0.21	2020	0.14
0940	0.23	1315	0.71	1650	0.20	2025	0.13
0945	0.22	1320	0.69	1655	0.18	2030	0.12
0950	0.20	1325	0.66	1700	0.17	2035	0.10
0955	0.18	1330	0.63	1705	0.16	2040	0.09
1000	0.16	1335	0.61	1710	0.36	2045	0.08
1005	0.14	1340	0.58	1715	0.56	2050	0.06
1010	0.12	1345	0.56	1720	0.76	2055	0.05
1015	0.15	1350	0.53	1725	0.95	2100	0.04
1020	0.18	1355	0.51	1730	0.97	2105	0.02
1025	0.21	1400	0.53	1735	0.99		

OCTOBER 28-29, 1981

2245	0.35	0045	2.8	0250	1.1	0455	0.48
2250	0.54	0050	2.8	0255	1.1	0500	0.45
2255	0.73	0055	2.9	0300	1.0	0505	0.45
2300	0.87	0100	2.7	0305	1.0	0510	0.43
2305	1.0	0105	2.7	0310	1.0	0515	0.42
2310	1.2	0110	2.6	0315	1.0	0520	0.40
2315	1.3	0115	2.5	0320	1.0	0525	0.39
2320	1.4	0120	2.4	0325	0.99	0530	0.37
2325	1.4	0125	2.3	0330	0.94	0535	0.34
2330	1.7	0130	2.2	0335	0.93	0540	0.29
2335	2.0	0135	2.1	0340	0.86	0545	0.28
2340	2.2	0140	2.0	0345	0.79	0550	0.26
2345	2.4	0145	2.1	0350	0.77	0555	0.24
2350	2.5	0150	2.0	0355	0.73	0600	0.22
2355	2.5	0155	2.1	0400	0.68	0605	0.22

TABLE 5.--Continued

404653111545801 NINTH WEST CONDUIT AT 536 NORTH, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
OCTOBER 28-29, 1981--CONTINUED							
2400	2.6	0200	2.0	0405	0.65	0610	0.23
		0205	2.0	0410	0.62	0615	0.24
0005	2.6	0210	1.9	0415	0.59	0620	0.22
0010	2.6	0215	1.8	0420	0.59	0625	0.20
0015	2.7	0220	1.6	0425	0.58	0630	0.15
0020	2.7	0225	1.5	0430	0.57	0635	0.14
0025	2.8	0230	1.4	0435	0.56	0640	0.05
0030	2.8	0235	1.3	0440	0.52	0645	0.04
0035	2.9	0240	1.2	0445	0.51	0650	0.03
0040	2.9	0245	1.2	0450	0.50	0655	0.02

NOVEMBER 17-18, 1981

2000	0.02	2215	0.37	0020	0.14	0230	0.19
2005	0.25	2220	0.36	0025	0.14	0235	0.18
2010	0.47	2225	0.35	0030	0.14	0240	0.16
2015	0.72	2230	0.33	0035	0.15	0245	0.15
2020	1.0	2235	0.31	0040	0.18	0250	0.14
2025	1.3	2240	0.31	0045	0.20	0255	0.13
2030	1.8	2245	0.29	0050	0.21	0300	0.12
2035	2.1	2250	0.27	0055	0.22	0305	0.11
2040	2.2	2255	0.27	0100	0.22	0310	0.10
2045	2.1	2300	0.27	0105	0.23	0315	0.09
2050	2.0	2305	0.25	0110	0.25	0320	0.08
2055	1.8	2310	0.24	0115	0.26	0325	0.08
2100	1.6	2315	0.23	0120	0.25	0330	0.07
2105	1.4	2320	0.22	0125	0.23	0335	0.07
2110	1.3	2325	0.21	0130	0.23	0340	0.06
2115	1.2	2330	0.20	0135	0.22	0345	0.06
2120	1.2	2335	0.19	0140	0.21	0350	0.06
2125	1.4	2340	0.18	0145	0.22	0355	0.05
2130	1.4	2345	0.17	0150	0.24	0400	0.04
2135	1.2	2350	0.16	0155	0.26	0405	0.04
2140	0.92	2355	0.15	0200	0.27	0410	0.04
2145	0.64	2400	0.14	0205	0.27	0415	0.03
2150	0.49			0210	0.25	0420	0.03
2155	0.47	0005	0.14	0215	0.23	0425	0.02
2200	0.43	0010	0.13	0220	0.22	0430	0.01
2205	0.42	0015	0.13	0225	0.21	0435	0.01
2210	0.39						

TABLE 5.--Continued

404653111545801 NINTH WEST CONDUIT AT 536 NORTH, AT SALT LAKE CITY,
UTAH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE	TIME	DISCHARGE
NOVEMBER 24-25, 1981							
2220	0.01	0040	0.45	0300	0.48	0520	0.10
2225	0.07	0045	0.49	0305	0.47	0525	0.09
2230	0.10	0050	0.52	0310	0.46	0530	0.09
2235	0.11	0055	0.54	0315	0.44	0535	0.08
2240	0.12	0100	0.56	0320	0.43	0540	0.07
2245	0.12	0105	0.56	0325	0.42	0545	0.06
2250	0.14	0110	0.56	0330	0.40	0550	0.06
2255	0.12	0115	0.57	0335	0.39	0555	0.06
2300	0.12	0120	0.59	0340	0.37	0600	0.06
2305	0.11	0125	0.59	0345	0.36	0605	0.06
2310	0.11	0130	0.56	0350	0.35	1220	0.07
2315	0.11	0135	0.55	0355	0.32	1225	0.13
2320	0.11	0140	0.55	0400	0.30	1230	0.22
2325	0.13	0145	0.54	0405	0.28	1235	0.23
2330	0.13	0150	0.51	0410	0.27	1240	0.23
2335	0.14	0155	0.50	0415	0.26	1245	0.27
2340	0.14	0200	0.51	0420	0.25	1250	0.01
2345	0.18	0205	0.52	0425	0.23	1255	0.08
2350	0.22	0210	0.53	0430	0.22	1300	0.09
2355	0.23	0215	0.53	0435	0.19	1305	0.04
2400	0.24	0220	0.54	0440	0.18	1310	0.04
		0225	0.53	0445	0.16	1315	0.11
0005	0.27	0230	0.53	0450	0.16	1320	0.06
0010	0.29	0235	0.50	0455	0.14	1325	0.05
0015	0.32	0240	0.51	0500	0.14	1340	0.03
0020	0.34	0245	0.50	0505	0.12	1345	0.14
0025	0.37	0250	0.50	0510	0.11	1410	0.05
0030	0.39	0255	0.50	0515	0.11	1415	0.04
0035	0.42						

TABLE 6.--MISCELLANEOUS DATA
WATER-DISCHARGE DATA

Site	Tributary to	Location	Measurement	
			Date	Discharge
Decker Lake Outlet 10170350	Jordan River	Lat 40°42'44", long 111°55'40", in SW¼SW¼SE¼ sec. 22, T.1 S., R.1 W., Salt Lake County, Hydrologic Unit 16020204, 1,000 ft (305 m) south of Crystal Avenue, 1,500 ft (457 m) east of Redwood Road, and 2,700 ft upstream from Jordan River, in West Valley City.	3-26-81	3.0
			3-26-81	7.6
			5- 5-81	36
			8-26-81	55
			9- 5-81	91
			9-16-81	28
			10- 8-81	76
Neffs Creek 10168832	Holladay Drain	Lat 40°40'53", long 111°47'55", in NE¼NE¼NE¼ sec. 2, T.2 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, 0.4 mi (0.6 km) south of 3900 South and Wasatch Boulevard, and 7 mi (11 km) southeast of Salt Lake City.	11-30-81	3.8
			3- 6-82	2.7
Red Butte Creek 10172300	Thirteenth South Conduits	Lat 40°44'48", long 111°50'38", in NE¼NE¼SW¼ sec.9, T.1 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, on right bank, at Miller Park, 1050 South and 1600 East at Salt Lake City.	5-15-81	.09
			5-16-81	1.5
			6-11-81	1.6
			8- 7-81	1.1
Upper Canal 10167120	Mill Creek	Lat 40°38'05", long 111°48'29", in NW¼SE¼NW¼ sec.23, T.2 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, at Lyman Weir 40 ft (12 m) downstream from discharge pipe and 4.4 mi (7.1 km) east of Murray.	10-13-80	6.0
Upper Canal Diversion 10168836	Holladay Drain	Lat 40°40'30", long 111°49'09", in SE¼SW¼NE¼ sec. 3, T.2 S., R.1 E., Salt Lake County, Hydrologic Unit 16020204, at 4500 South, 1,800 ft (546 m) east of intersection of 2300 East and 4500 South and 4 mi (6.4 km) northeast of Murray.	5- 2-81	14
			5- 2-81	13
			5- 7-81	5.0
			5- 7-81	.14

TABLE 6.--Continued

WATER-QUALITY DATA												
DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE, (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, UM-MF (COLS./ PER 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	SEDI- MENT, SUS- PENDEED (MG/L)
10172350 THIRTEENTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH (LAT 40°44'30", LONG 111°55'01")												
MAR. 1981												
26...	1800	219	--	--	--	--	22000	K1700	5600	--	--	--
MAY												
10...	2350	90	--	--	--	--	K100000	3300	11000	--	--	--
11...	0100	114	--	--	--	--	K90000	3000	5900	--	--	--
20-20	0700	--	--	--	--	--	27000	6900	58000	--	--	--
10172370 EIGHTH SOUTH CONDUITS AT JORDAN RIVER, AT SALT LAKE CITY, UTAH (LAT 40°45'16", LONG 111°55'18")												
MAR. 1981												
26...	1245	34	--	--	--	--	--	K800	>1000	--	--	361
MAY												
11...	0024	60	--	--	--	--	K150000	2300	7500	--	--	--
403138111550600 JORDAN RIVER AT 12300 SOUTH, NEAR RIVERTON, UTAH (LAT 40°31'38", LONG 111°55'06")												
SEPT. 1982												
07...	0830	51	16.0	14.0	--	--	--	--	--	--	--	--
403638111552300 JORDAN RIVER AT 7800 SOUTH, AT WEST JORDAN, UTAH (LAT 40°36'38", LONG 111°55'23")												
SEPT. 1982												
07...	1330	102	24.0	15.0	--	--	--	--	--	--	--	--
07...	1610	--	--	20.5	--	--	--	--	--	--	--	--
07...	1640	--	--	20.0	9.8	126	--	--	--	--	--	--
07...	1730	--	--	20.0	--	--	--	--	--	--	--	--
403750111552100 JORDAN RIVER AT 6400 SOUTH, NEAR MURRAY, UTAH (LAT 40°37'50", LONG 111°55'21")												
OCT. 1981												
06...	0830	--	--	14.0	6.5	73	--	--	--	--	--	--
06...	0920	--	--	14.0	6.7	75	--	--	--	--	--	--
06...	0950	--	--	14.0	6.7	75	--	--	--	--	--	--
06...	1015	--	--	14.0	6.8	76	--	--	--	--	--	--
403955111535200 JORDAN RIVER AT 4800 SOUTH, NEAR MURRAY, UTAH (LAT 40°39'55", LONG 111°53'52")												
OCT. 1981												
06...	1030	--	--	15.0	--	--	--	--	--	--	--	--
06...	1100	--	16.0	15.0	--	--	--	--	--	--	--	--
06...	1140	199	--	16.0	--	--	--	--	--	--	--	--
06...	1200	--	16.0	16.0	--	--	--	--	--	--	--	--
06...	1230	--	17.0	16.0	--	--	--	--	--	--	--	--
06...	1300	--	18.0	16.0	--	--	--	--	--	--	--	--
404158111553300 JORDAN RIVER AT 3300 SOUTH, NEAR WEST VALLEY CITY, UTAH (LAT 40°41'58", LONG 111°55'33")												
OCT. 1981												
06...	1230	--	23.0	14.5	7.0	79	--	--	--	--	--	--
06...	1330	--	24.0	--	--	--	--	--	--	--	--	--
06...	1500	288	24.0	16.0	--	--	--	--	--	--	--	--
06...	1545	--	25.0	16.0	--	--	--	--	--	--	--	--
06...	1630	--	25.0	17.0	--	--	--	--	--	--	--	--
404356111551900 JORDAN RIVER AT 1330 SOUTH, AT SALT LAKE CITY, UTAH (LAT 40°43'56", LONG 111°55'19")												
SEPT. 1981												
04...	0805	--	21.5	17.5	--	--	--	--	--	--	--	--
04...	0900	--	23.0	17.0	--	--	--	--	--	--	--	--
04...	1015	148	25.5	17.5	--	--	--	--	--	--	--	--
SEPT. 1982												
02...	0900	165	--	17.5	4.1	51	--	--	--	--	--	--
02...	1005	--	--	17.5	4.6	57	--	--	--	--	--	--
02...	1035	--	--	17.5	4.8	59	--	--	--	--	--	--

K Results based on colony count outside acceptable range (non-ideal colony count).

TABLE 6.--Continued

WATER-QUALITY DATA--CONTINUED

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	SEDI- MENT, SUS- PENDED (MG/L)
404515111551900 JORDAN RIVER AT 700 SOUTH, AT SALT LAKE CITY, UTAH (LAT 40°45'15", LONG 111°55'19")												
JULY 1981												
28...	0830	--	--	19.0	3.4	42	4900	200	3100	--	--	--
28...	0915	--	--	19.0	3.5	44	--	--	--	--	--	--
28...	1030	--	--	19.0	3.7	46	7700	220	K1500	--	--	--
28...	1130	--	--	19.0	4.0	50	--	--	--	--	--	--
28...	1230	--	--	19.5	4.2	53	4800	240	2500	--	--	--
28...	1330	--	--	20.0	4.2	54	--	--	--	--	--	--
28...	1415	--	--	20.5	4.1	53	6000	450	940	--	--	--
28...	1515	--	--	20.5	4.2	55	--	--	--	--	--	--
28...	1615	--	--	21.0	4.4	58	5700	5100	720	11.3	1.36	--
28...	1745	--	--	21.0	4.3	57	--	--	--	--	--	--
28...	1830	--	--	21.5	4.3	57	5900	370	640	--	--	--
28...	1915	--	--	22.0	4.2	56	--	--	--	--	--	--
28...	2030	--	--	21.5	3.9	51	3600	3700	840	--	--	--
28...	2115	--	--	21.5	3.7	49	--	--	--	--	--	--
28...	2230	--	--	21.5	3.9	51	580	600	930	--	--	--
28...	2315	--	--	21.5	3.7	49	--	--	--	--	--	--
29...	0100	--	--	20.5	3.9	51	--	--	--	--	--	--
29...	0300	--	--	20.5	3.5	46	5600	180	2100	--	--	--
29...	0630	--	--	19.5	3.2	41	4200	650	2500	--	--	--
29...	0930	--	--	19.0	3.5	44	--	--	--	--	--	--
SEPT.												
04...	1100	--	26.0	18.0	4.7	59	--	--	--	--	--	--
SEPT. 1982												
02...	1115	--	--	18.0	4.8	59	--	--	--	--	--	--
02...	1210	--	--	18.5	--	--	--	--	--	--	--	--
404618111553200 JORDAN RIVER AT NORTH TEMPLE, AT SALT LAKE CITY, UTAH (LAT 40°46'18", LONG 111°55'32")												
SEPT. 1981												
04...	1135	176	--	18.5	--	--	--	--	--	--	--	--
04...	1210	--	--	19.0	--	--	--	--	--	--	--	--
04...	1240	--	--	18.0	--	--	--	--	--	--	--	--
04...	1310	--	33.0	19.0	--	--	--	--	--	--	--	--
04...	1400	--	33.5	19.0	--	--	--	--	--	--	--	--
04...	1450	--	34.5	19.0	--	--	--	--	--	--	--	--
SEPT. 1982												
02...	1125	--	29.0	18.5	--	--	--	--	--	--	--	--
02...	1400	195	29.0	18.5	--	--	--	--	--	--	--	--
404831111563600 JORDAN RIVER AT 1850 NORTH, AT SALT LAKE CITY, UTAH (LAT 40°48'31", LONG 111°56'36")												
SEPT. 1982												
02...	1525	--	--	20.0	5.2	67	--	--	--	--	--	--
02...	1730	190	--	--	--	--	--	--	--	--	--	--
02...	1815	--	29.0	20.0	4.9	63	--	--	--	--	--	--

K Results based on colony count outside acceptable range (non-ideal colony count).

404432111550201 JORDAN RIVER BELOW THIRTEENTH SOUTH CONDUITS, AT SALT LAKE CITY, UTAH
(LAT 40°44'32", LONG 111°55'02")

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE D RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	
AUG. 1981 27...	1330	--	0	10	30	6	40	52	51	1	.0	
AUG. 1982 24...	0900	181	--	--	--	--	--	--	--	--	--	
DATE	MERCURY SUS- PENDE D RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE D RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CHRO- MIUM, SUS- PENDE D RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, SUS- PENDE D RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE D RECOV- ERABLE (UG/L AS FE)		
AUG. 1981 27...	.0	.0	60	20	40	10	0	24	1700	1700		
AUG. 1982 24...	--	--	--	--	--	--	--	--	--	--		
DATE	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE D RECOV- ERABLE (UG/L AS CD)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)		
AUG. 1981 27...	518	110	59	0	1	1	1	0	50	1		
AUG. 1982 24...	--	--	--	--	--	--	--	--	--	--		
DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE D RECOV- ERABLE (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE D RECOV- ERABLE (UG/L AS BA)	BERYL- LIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS B)	BORON, DIS- SOLVED (UG/L AS B)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)
AUG. 1981 27...	19	3	16	7	100	100	<1	370	1	5	28	80
AUG. 1982 24...	--	--	--	6	--	--	<1	--	2	4	33	100
DATE	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE D RECOV. (UG/L AS MN)	MERCURY FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE D RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE D RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G AS SE)	SILVER, SUS- PENDE D RECOV- ERABLE (UG/L AS AG)	
AUG. 1981 27...	70	20	.03	6	4	2	2	0	2	0	1	
AUG. 1982 24...	--	--	.04	--	--	--	--	--	--	<1	--	

TABLE 6.--Continued

WATER-QUALITY DATA--CONTINUED

404432111550201 JORDAN RIVER BELOW THIRTEENTH SOUTH CONDUITS, AT SALT LAKE CITY, UTAH
(LAT 40°44'32", LONG 111°55'02")--CONTINUED

DATE	SILVER, DIS- SOLVED (UG/L AS AG)	SILVER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS AG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS 2N)	CYANIDE TOTAL (MG/L AS CN)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)
AUG. 1981											
27...	0	--	100	.01	.00	3	.00	6	.00	.0	.00
AUG. 1982											
24...	--	1	120	--	--	--	--	33	--	<.1	--
DATE	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG. 1981											
27...	15	.00	1.5	.00	.9	.00	2.0	.00	.8	.00	.0
AUG. 1982											
24...	29	--	1.6	--	<.1	--	.7	--	3.1	--	<.1
DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)
AUG. 1981											
27...	.00	.0	.00	.1	.00	.1	.0	.0	.00	.0	0
AUG. 1982											
24...	--	<.1	--	<.1	--	<.1	<.1	2.5	--	<.1	--
DATE	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4,5-T TOTAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG. 1981											
27...	.0	.08	.0	.00	.0	.00	.0	.00	.00	.00	.0
AUG. 1982											
24...	<10	--	<.1	--	<.1	--	<.1	--	<1.00	--	<.1

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