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CLIMATOLOGIC AND HYDROLOGIC DATA,

SOUTHEASTERN UINTA BASIN, UTAH AND COLORADO

WATER YEARS 1975 and 1976

By Loretta S. Conroy and F. K. Fields

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1977

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ENGLISH-TO-METRIC CONVERSION FACTORS

Most values in this report are given in English units. For those readers who may prefer to use metric units, the conversion factors for the terms used in this report are listed below.

English Unit (Multiply)	English Abbreviation	(by)	Metric Unit (to obtain)	Metric Abbreviation
Acre		0.4047	Square hectometer	HM2
		.004047	Square kilometer	KM2
Acre-foot	ACRE-FT	.001233	Cubic hectometer	HM3
		1233	Cubic meter	M3
Cubic foot per second	FT3/S	.02832	Cubic meter per second	M3/S
Foot	FT	.3048	Meter	M
Gallon per minute	GAL/MIN	.06309	Liter per second	L/S
Inch	IN	25.40	Millimeter	MM
		2.540	Centimeter	CM
Mile	MI	1.609	Kilometer	KM
Square mile	MI2	2.590	Square kilometer	KM2
Ton		.9072	Metric ton	T

Chemical concentration and water temperature are given only 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 one milligram per liter. For concentrations less than 7,000 MG/L, the numerical value is about the same as for concentrations in the English unit, parts per million.

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

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INTRODUCTION

This report contains climatologic and hydrologic data that were collected as a part of an investigation of the southeastern Uinta Basin, Utah and Colorado, by the U.S. Geological Survey. The data apply mainly to water years 1975 and 1976, which includes the period from October 1974 through September 1976. Included also are some earlier ground-water data not previously published. Similar reports will be published periodically during the data-collection phase of the project, which ends September 1979.

The investigation encompasses the collection and interpretation of a variety of climatologic, hydrologic, and geologic information in and near the southeastern Uinta Basin in order to (1) define the natural hydrologic system according to the occurrence, use, quantity, and quality of water; (2) define various hydrologic characteristics such as the seasonal and areal distribution of temperature, precipitation, evapotranspiration, and streamflow; (3) determine the water demands that might be imposed on the hydrologic system as a result of oil-shale development; and (3) develop simulation models that could be used to predict the effects of various water-use plans that would satisfy these demands.

The data collection during water years 1975 and 1976 was carried out in cooperation with the Utah Department of Natural Resources, the U.S. Bureau of Land Management, and the U.S. Environmental Protection Agency.

WELL- AND SPRING-NUMBERING SYSTEMS

The system of numbering wells and springs in Utah is based on the cadastral land-survey system of the U.S. Government. The number, in addition to designating the well or spring, describes its position in the land net. By the land-survey system, the State is divided into four quadrants by the Salt Lake base line and meridian, and these quadrants are designated by the uppercase letters A, B, C, and D, indicating the northeast, northwest, southwest, and southeast quadrants, respectively. Numbers designating the township and range (in that order) follow the quadrant letter, and all three are enclosed in parentheses. The number after the parentheses indicates the section, and is followed by three letters indicating the quarter section, the quarter-quarter section, and the quarter-quarter-

quarter section--generally 10 acres;[1] the letters a, b, c, and d indicate, respectively, the northeast, northwest, southwest, and southeast quarters of each subdivision. The number after the letters is the serial number of the well or spring within the 10-acre tract; the letter S preceding the serial number denotes a spring. If a well or spring cannot be located within a 10-acre tract, one or two location letters are used and the serial number is omitted. Thus, (D-10-22)10ada-1 designates the first well constructed or visited in the NE¼SE¼NE¼ sec. 10, T. 10 S., R. 22 E., and (D-15-23)36ddd-S1 designates a spring in the SE¼SE¼SE¼ sec. 36, T. 15 S., R. 23 E. For sites located in half townships, the letter T precedes the spring or well number. Thus T(D-15-21)36adc-S1 designates a spring in T. 15½ S. The numbering system is illustrated in figure 1.

In Colorado, the well- and spring-numbering system also is based on the cadastral land-survey system, and in the Uinta Basin area the system is referenced to the base line and the Sixth principal meridian and is identified by the prefix letter S. Thus, spring S(C-5-103)26bad-S1 is in the SE¼NE¼NW¼ sec. 26, T. 5 S., R. 103 W., Sixth principal meridian (fig. 1). In Colorado records, springs are not identified by the letter S preceding the serial number, but in this report, springs are so designated in order to clearly identify the nature of the water source.

STATION-NUMBERING SYSTEM

Records of streamflow at gaging stations are listed in downstream order. Station numbers are designated by the Geological Survey for regular streamflow stations. Water-quality and sediment stations operated at the streamflow-gaging stations are assigned the same number.

EXPLANATION OF THE TABLES

All sites are in Utah, unless noted otherwise. The latitude and longitude of each site is expressed in the following order: degrees, minutes, and seconds. Thus, lat 39 25 15 would be read as 39 degrees, 25 minutes, and 15 seconds north latitude; and long 109 39 00 would be read as 109 degrees, 39 minutes, and 0 seconds west longitude. All other terms used in the tables are standard terms, which are defined in annual basic-data reports of the U.S. National Weather Service and the Geological Survey.

Table 1 contains the estimated monthly precipitation at storage gages at 15 sites. The gages could not be read precisely at the end of each month, thus the monthly readings were prorated on the basis of the

[1] Although the basic land unit, the section, is theoretically 1 mi^2, many sections are irregular. Such sections are subdivided into 10-acre tracts, generally beginning at the southeast corner, and the surplus or shortage is taken up in the tracts along the north and west sides of the section.

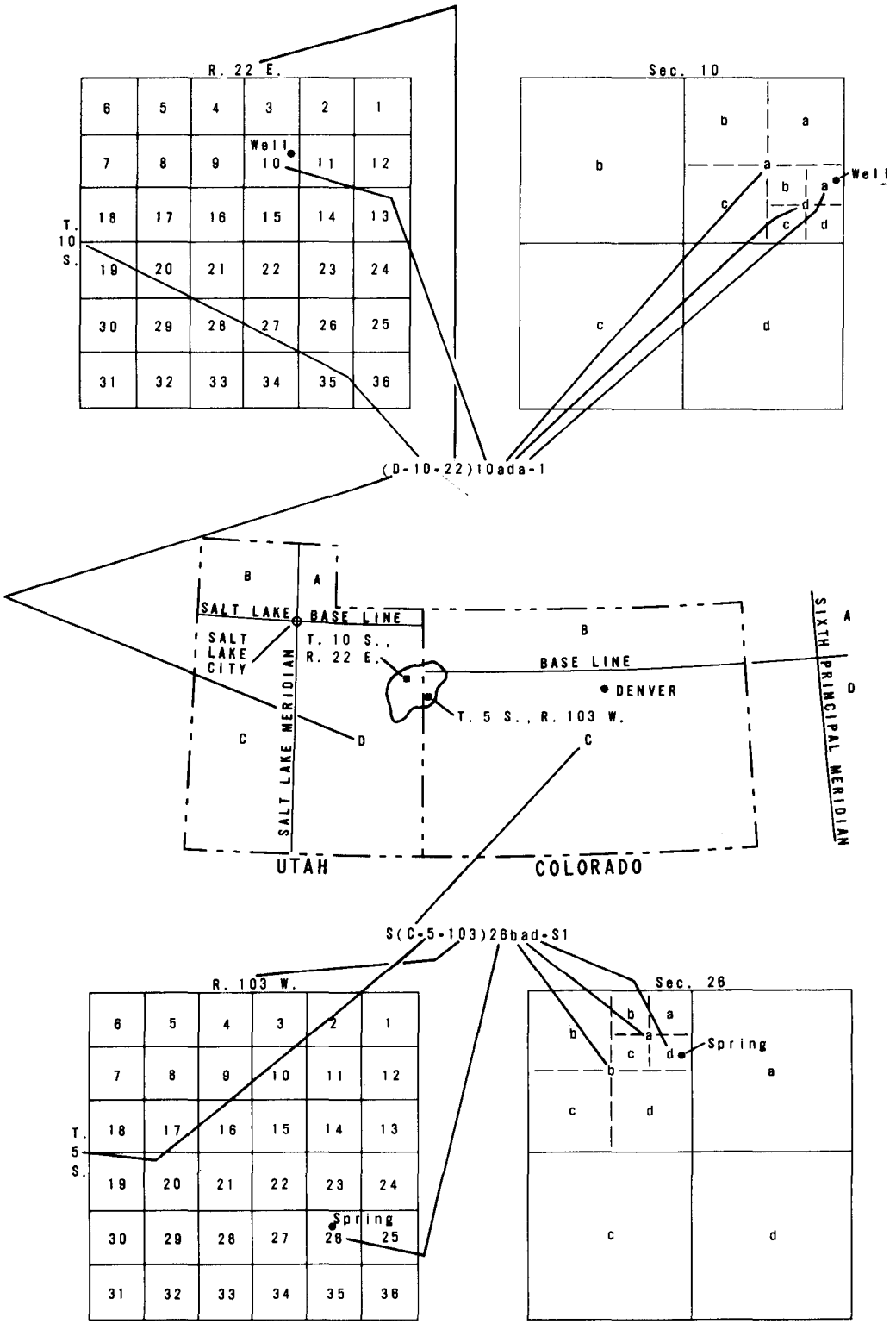


Figure 1.—Well- and spring-numbering systems used in Utah and Colorado.

distribution of precipitation at daily record sites in the areas that are operated by the National Weather Service. The locations of the storage gages are shown in figure 2.

Table 2 shows the snow depths that were measured at 27 sites at higher altitudes of the study area (fig. 2). The depths were measured by vertical gages, and the readings were taken from an airplane. The water content is an estimated value that was determined from a relation of water content to snow depth on the basis of data collected by the U.S. Soil Conservation Service in the Uinta Basin. The standard error of estimate for the water content for any month is less than 20 percent.

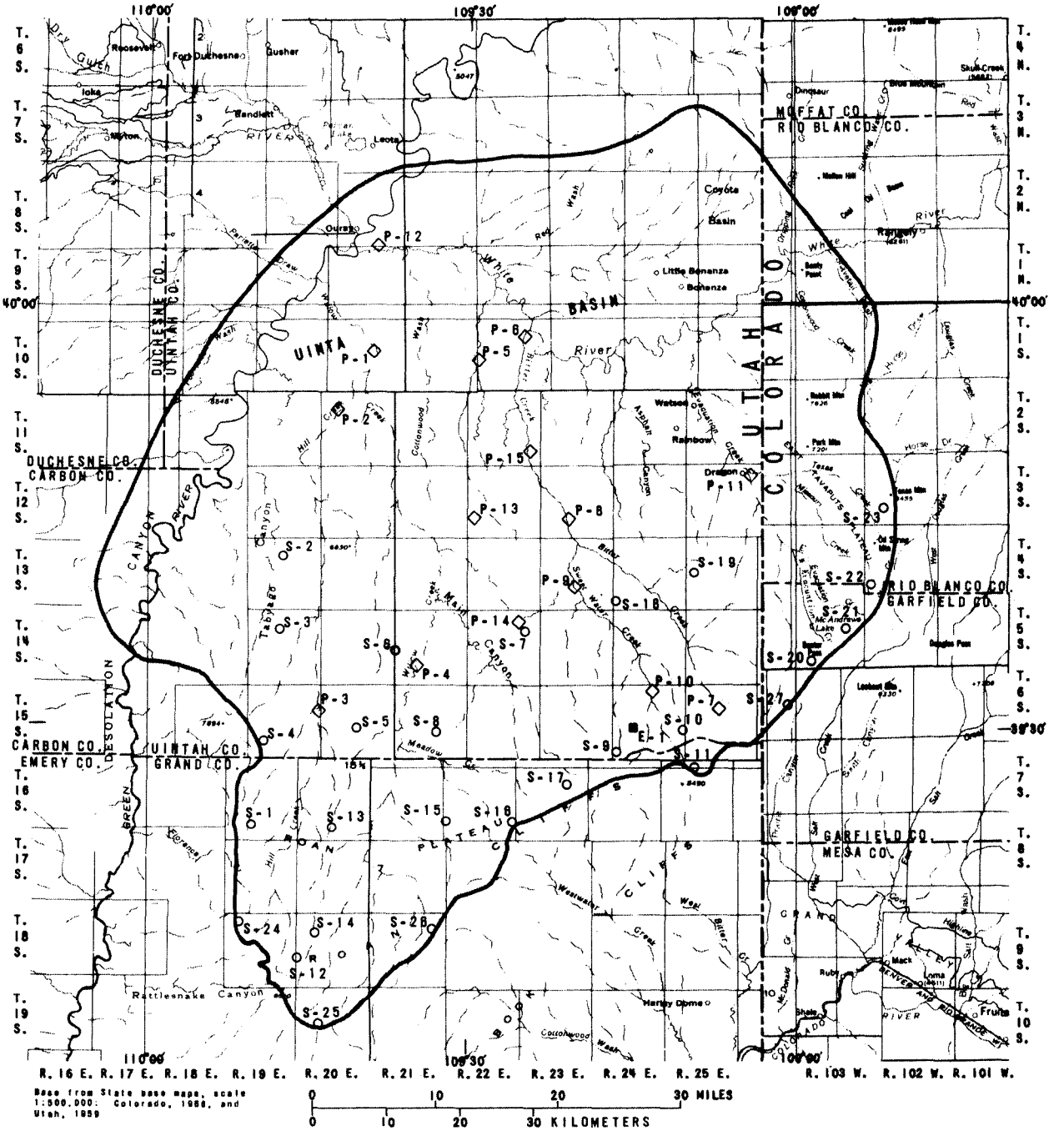
Table 3 contains the evaporation data that were collected at one site (fig. 2).

Table 4 contains soil-moisture values that were estimated from neutron-probe measurements at 40 sites (fig. 3). The probe was stationed at the midpoint of a 6-in. soil interval for each reading, and the estimated moisture given for this interval in table 4 is assumed to be the average for the interval. The top of the soil surface was taken as zero depth; therefore, for a probe reading with a stated depth of 3 in., the soil interval is 0-6 in.

Table 5 gives daily values for stream discharge, specific conductance, temperature, and measured suspended sediment of continuous-record gaging stations at 26 sites. (See fig. 4.) Some stations were operated all year, whereas others were discontinued during periods of ice cover (December-March). The daily tables are followed by water-quality data that were collected periodically during the year.

Table 6 contains instantaneous observations of discharge and selected water-quality information that were obtained periodically at 19 partial-record streamflow sites. (See fig. 4.)

Tables 7-10 contain ground-water information for 88 sites. (See fig. 5.) Table 7 contains site descriptions of wells and springs. Table 8 shows the periodic measurements of discharge, temperature, and specific conductance which were made at selected sites. Table 9 gives water-quality analyses for the 88 sites. Table 10 contains water-level measurements made in selected wells.



EXPLANATION

◇ P-3
Precipitation gage

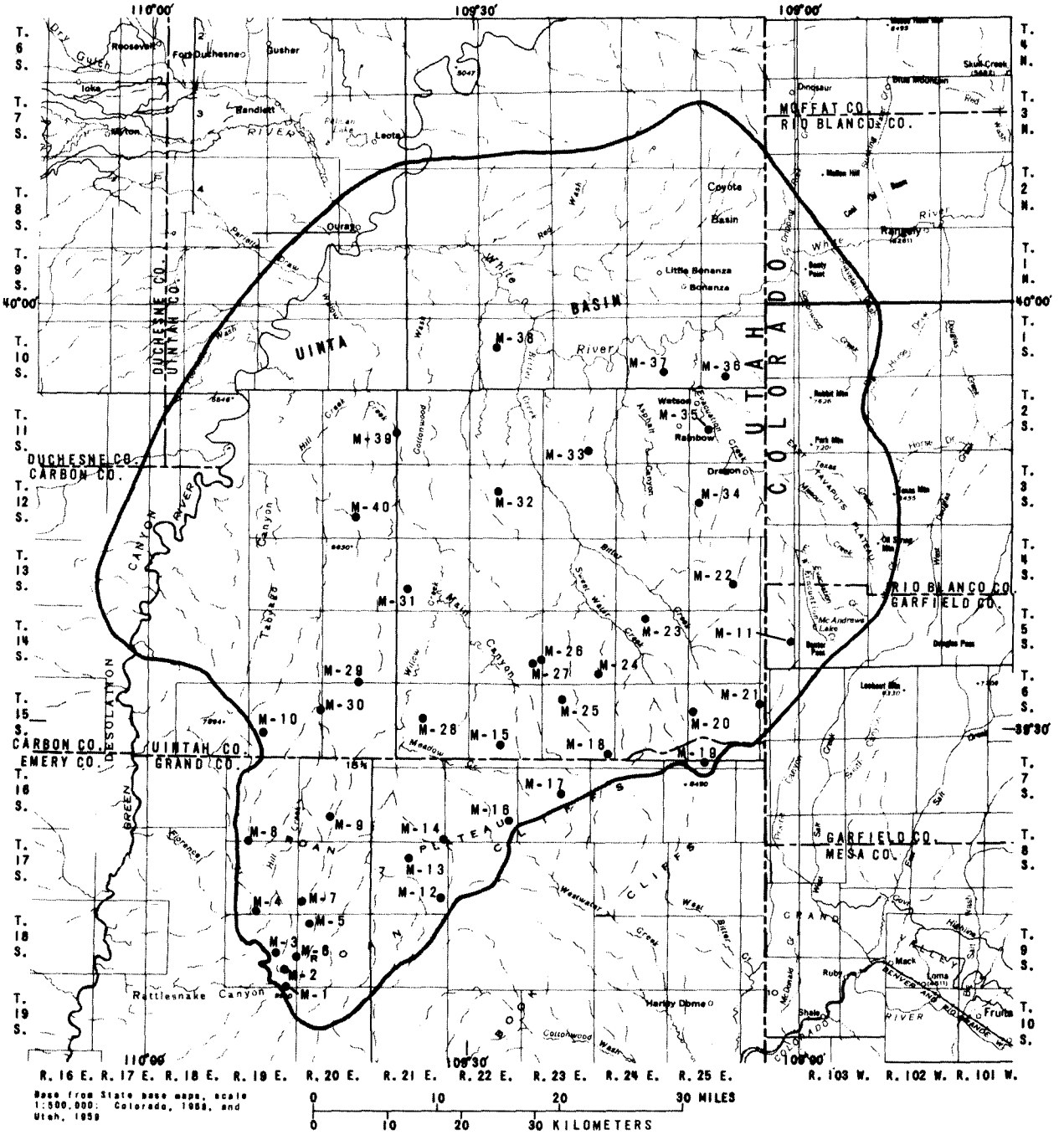
○ S-1
Snow gage

■ E-1
Evaporation gage

Number by symbol is identifier in tables 1-3

Boundary of study area

Figure 2.— Climatologic-monitoring sites.

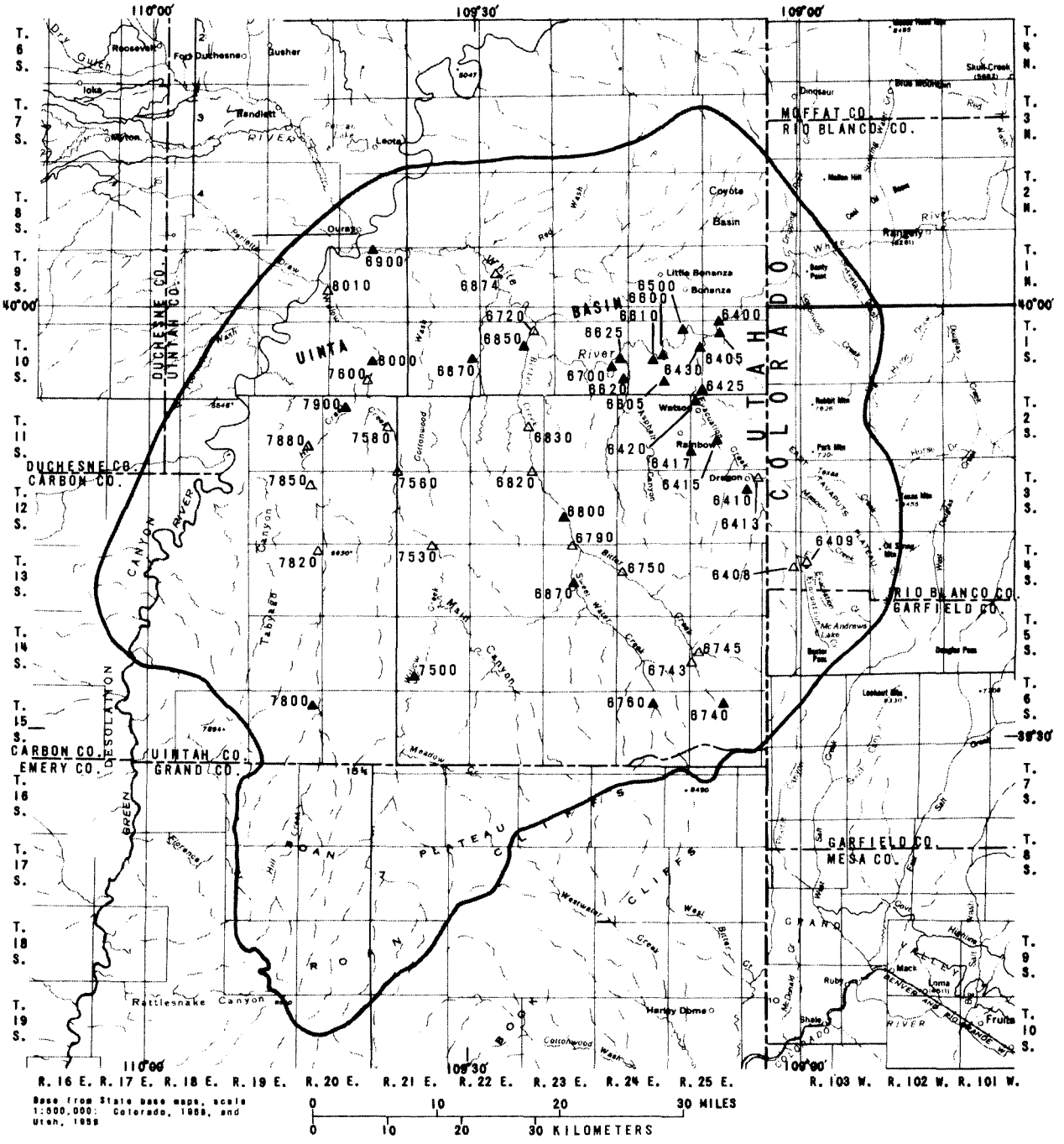


EXPLANATION

M-1
Soil-moisture site
Number by symbol is identifier in table 4

Boundary of study area

Figure 3.— Soil-moisture monitoring sites.



EXPLANATION

▲6810 Continuous record

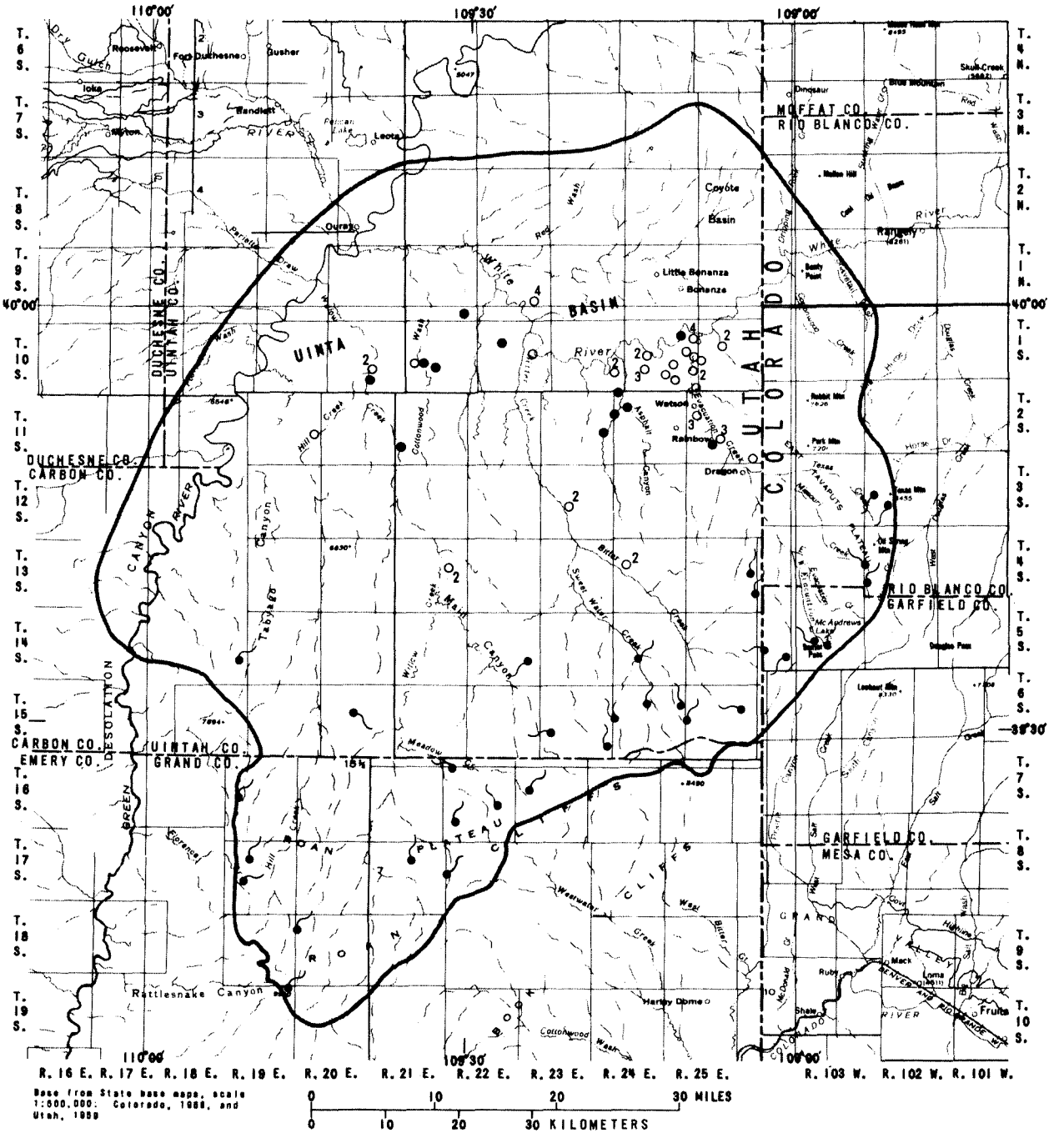
△6720 Partial record

Streamflow site

Number by symbol is identifier in tables 5 and 6. Number has been abbreviated by omitting the first four digits (0930)

Boundary of study area

Figure 4.— Streamflow-monitoring sites.



EXPLANATION

● Flowing

○² Nonflowing

Well

Number by symbol indicates number of wells represented

Spring

Boundary of study area

See table 7 for types of data available

Figure 5.—Ground-water monitoring sites.

TABLE 1.--MONTHLY PRECIPITATION DATA

P-1

LOCATION.--LAT 39 56 20 , LONG 109 38 52 , IN NE1/4 NW1/4 NE1/4 SEC. 22, T.10 S., R.20 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--PRECIPITATION STORAGE GAGE. ALTITUDE OF GAGE IS 4,860 FT (1,481 M) FROM TOPOGRAPHIC MAP.

PRECIPITATION, IN INCHES

WATER YEAR	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	ANNUAL
1975	---	0.01	0.06	1.01	1.07	0.00	0.55	1.73	1.09	0.58	0.24	0.10	6.44
1976	1.30	0.42	0.19	0.09	0.68	1.00	0.98	0.58	0.38	0.21	0.16	0.90	6.89

P-2

LOCATION.--LAT 39 52 35 , LONG 109 42 12 , IN SE1/4 SE1/4 NW1/4 SEC. 8, T.11 S., R.20 E., UINTAH COUNTY, UINTAH AND OURAY INDIAN RESERVATION.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--PRECIPITATION STORAGE GAGE. ALTITUDE OF GAGE IS 5,060 FT (1,542 M) FROM TOPOGRAPHIC MAP.

PRECIPITATION, IN INCHES

WATER YEAR	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	ANNUAL
1975	---	0.00	0.05	0.83	0.44	0.25	0.40	1.98	1.39	1.54	0.62	0.18	7.68
1976	0.80	0.53	0.21	0.06	0.60	1.12	0.40	0.66	0.30	0.45	0.36	0.96	6.45

P-3

LOCATION.--LAT 39 31 33 , LONG 109 44 02 , IN NW1/4 NE1/4 SE1/4 SEC. 12, T.15 S., R.19 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--PRECIPITATION STORAGE GAGE. ALTITUDE OF GAGE IS 6,470 FT (1,972 M) FROM TOPOGRAPHIC MAP.

PRECIPITATION, IN INCHES

WATER YEAR	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	ANNUAL
1975	---	0.06	0.22	0.80	0.74	1.02	0.30	1.91	1.19	0.96	0.68	0.28	8.16
1976	1.30	0.68	0.34	0.18	1.35	0.95	3.04	0.96	0.90	0.93	0.65	0.59	11.87

P-4

LOCATION.--LAT 39 33 59 , LONG 109 35 12 , IN NE1/4 SW1/4 SE1/4 SEC. 29, T.14 S., R.21 E., UINTAH COUNTY, UINTAH AND OURAY INDIAN RESERVATION.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--PRECIPITATION STORAGE GAGE. ALTITUDE OF GAGE IS 6,000 FT (1,829 M) FROM TOPOGRAPHIC MAP.

PRECIPITATION, IN INCHES

WATER YEAR	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	ANNUAL
1975	---	0.04	0.21	0.78	0.52	0.85	0.41	2.17	1.24	0.78	0.56	0.24	7.80
1976	1.70	0.87	0.38	0.15	1.27	1.13	1.98	0.99	0.82	0.74	0.46	0.57	11.06

P-5

LOCATION.--LAT 39 55 51 , LONG 109 29 45 , IN NE1/4 NW1/4 SE1/4 SEC. 24, T.10 S., R.21 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--PRECIPITATION STORAGE GAGE. ALTITUDE OF GAGE IS 5,150 FT (1,570 M) FROM TOPOGRAPHIC MAP.

PRECIPITATION, IN INCHES

WATER YEAR	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	ANNUAL
1975	---	0.09	0.36	1.15	0.09	0.08	0.67	1.18	1.18	1.01	0.22	0.03	6.06
1976	0.98	0.45	0.27	0.18	0.55	0.92	0.15	0.17	1.28	0.70	0.41	0.62	6.68

P-6

LOCATION.--LAT 39 57 56 , LONG 109 24 59 , IN NE1/4 SE1/4 NE1/4 SEC. 10, T.10 S., R.22 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--PRECIPITATION STORAGE GAGE. ALTITUDE OF GAGE IS 4,780 FT (1,457 M) FROM TOPOGRAPHIC MAP.

PRECIPITATION, IN INCHES

WATER YEAR	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	ANNUAL
1975	---	0.09	0.29	1.02	0.03	0.33	0.65	1.80	1.24	1.37	0.29	0.03	7.14
1976	1.20	0.45	0.27	0.18	0.23	1.37	0.72	0.56	0.72	0.39	0.23	0.44	6.76

P-7

LOCATION.--LAT 39 31 04 , LONG 109 04 16 , IN SE1/4 NW1/4 NW1/4 SEC. 13, T.15 S., R.25 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--PRECIPITATION STORAGE GAGE. ALTITUDE OF GAGE IS 7,040 FT (2,146 M) FROM TOPOGRAPHIC MAP.

PRECIPITATION, IN INCHES

WATER YEAR	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	ANNUAL
1975	---	0.05	0.24	1.04	0.65	2.67	0.52	2.85	2.39	1.55	1.17	0.49	13.62
1976	0.50	2.50	0.80	0.00	3.65	1.85	2.53	1.57	2.03	1.18	0.72	2.30	19.63

P-8

LOCATION.--LAT 39 45 12 , LONG 109 21 15 , IN SW1/4 SW1/4 SW1/4 SEC. 21, T.12 S., R.23 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--PRECIPITATION STORAGE GAGE. ALTITUDE OF GAGE IS 5,570 FT (1,698 M) FROM TOPOGRAPHIC MAP.

PRECIPITATION, IN INCHES

WATER YEAR	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	ANNUAL
1975	---	0.09	0.27	0.50	0.80	1.11	0.28	2.48	1.66	1.64	0.66	0.21	9.70
1976	1.22	0.61	0.35	0.24	0.59	1.61	2.14	0.86	0.56	0.45	0.34	1.22	10.19

P-9

LOCATION.--LAT 39 39 29 , LONG 109 19 58 , IN SW1/4 SE1/4 NW1/4 SEC. 27, T.13 S., R.23 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--PRECIPITATION STORAGE GAGE. ALTITUDE OF GAGE IS 6,000 FT (1,829 M) FROM TOPOGRAPHIC MAP.

PRECIPITATION, IN INCHES

WATER YEAR	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	ANNUAL
1975	---	0.02	0.09	0.87	0.68	0.81	0.23	2.30	1.35	0.98	0.14	0.00	7.47
1976	0.92	0.91	0.37	0.12	0.84	1.01	1.55	1.44	1.31	0.51	0.69	1.14	10.81

P-10

LOCATION.--LAT 39 32 12 , LONG 109 13 21 , IN NE1/4 SW1/4 SW1/4 SEC. 3, T.15 S., R.24 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--PRECIPITATION STORAGE GAGE. ALTITUDE OF GAGE IS 6,820 FT (2,079 M) FROM TOPOGRAPHIC MAP.

PRECIPITATION, IN INCHES

WATER YEAR	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	ANNUAL
1975	---	0.03	0.23	1.54	0.25	0.75	0.13	2.46	2.11	1.24	2.36	1.18	12.28
1976	1.30	1.29	0.46	0.07	2.34	1.18	2.21	1.27	1.65	0.77	0.43	1.78	14.75

P-11

LOCATION.--LAT 39 48 04 , LONG 109 04 26 , IN SW1/4 SW1/4 SW1/4 SEC. 1, T.12 S., R.25 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--PRECIPITATION STORAGE GAGE. ALTITUDE OF GAGE IS 5,680 FT (1,731 M) FROM TOPOGRAPHIC MAP.

PRECIPITATION, IN INCHES

WATER YEAR	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	ANNUAL
1975	---	0.03	0.14	0.64	0.39	0.26	1.00	2.56	1.88	1.40	0.62	1.46	10.38
1976	2.90	0.60	0.43	0.07	1.14	0.49	1.53	1.87	0.73	1.15	0.74	1.08	12.73

P-12

LOCATION.--LAT 40 03 54 , LONG 109 38 06 , IN SE1/4 SE1/4 NW1/4 SEC. 2, T.9 S., R.20 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--PRECIPITATION STORAGE GAGE. ALTITUDE OF GAGE IS 4,655 FT (1,419 M) FROM TOPOGRAPHIC MAP.

PRECIPITATION, IN INCHES

WATER YEAR	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	ANNUAL
1975	---	0.02	0.08	0.57	0.41	0.17	0.20	0.92	1.09	0.90	0.26	0.22	4.84
1976	1.00	0.53	0.17	0.00	0.68	0.63	0.15	0.05	0.40	0.02	0.07	0.49	4.19

P-13

LOCATION.--LAT 39 44 22 , LONG 109 29 55 , IN NE1/4 SE1/4 SW1/4 SEC. 30, T.12 S., R.22 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--PRECIPITATION STORAGE GAGE. ALTITUDE OF GAGE IS 6,240 FT (1,902 M) FROM TOPOGRAPHIC MAP.

PRECIPITATION, IN INCHES

WATER YEAR	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	ANNUAL
1975	---	0.07	0.30	0.70	0.53	0.00	1.00	2.27	2.58	0.93	0.13	0.07	8.58
1976	0.95	0.68	0.34	0.18	0.50	1.38	1.24	1.13	0.50	0.22	0.18	0.96	8.26

P-14

LOCATION.--LAT 39 38 46 , LONG 109 16 00 , IN NW1/4 SE1/4 NE1/4 SEC. 31, T.13 S., R.24 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--PRECIPITATION STORAGE GAGE. ALTITUDE OF GAGE IS 6,620 FT (2,018 M) FROM TOPOGRAPHIC MAP.

PRECIPITATION, IN INCHES

WATER YEAR	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	ANNUAL
1975	---	0.06	0.32	1.29	0.02	0.10	0.04	2.12	1.40	1.17	0.45	0.14	7.11
1976	1.20	0.76	0.40	0.24	0.58	1.09	2.09	1.17	1.24	0.83	0.67	0.73	11.00

P-15

LOCATION.--LAT 39 49 33 , LONG 109 24 28 , IN SE1/4 SE1/4 SE1/4 SEC. 26, T.11 S., R.22 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--PRECIPITATION STORAGE GAGE. ALTITUDE OF GAGE IS 5,340 FT (1,628 M) FROM TOPOGRAPHIC MAP.

PRECIPITATION, IN INCHES

WATER YEAR	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	ANNUAL
1975	---	0.05	0.24	1.32	0.05	0.21	0.51	2.00	1.71	1.15	0.19	0.03	7.46
1976	0.43	1.14	0.37	0.01	0.66	1.19	1.74	0.90	0.41	0.53	0.23	0.96	8.57

TABLE 2.--SNOW-DEPTH DATA

S-1

LOCATION.--LAT 39 22 21 , LONG 109 50 27 , IN NW1/4 NE1/4 SE1/4 SEC. 32, T.16 S., R.19 E., GRAND COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 8,880 FT (2,707 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	6.0	0.85	DEC. 15, 1975	12.0	2.06
DEC. 8, 1974	6.0	0.85	DEC. 30, 1975	4.0	0.51
JAN. 3, 1975	4.0	0.51	JAN. 16, 1976	6.0	0.85
FEB. 6, 1975	12.0	2.31	FEB. 23, 1976	10.0	1.87
MAR. 7, 1975	2.0	0.31	MAR. 15, 1976	12.0	2.48
APR. 11, 1975	18.0	5.13	MAR. 30, 1976	8.0	1.55
			APR. 20, 1976	6.0	1.78

S-2

LOCATION.--LAT 39 42 02 , LONG 109 48 04 , IN SE1/4 SW1/4 NW1/4 SEC. 9, T.13 S., R.19 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 6,400 FT (1,951 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	0.0	0.00	DEC. 15, 1975	6.0	0.85
DEC. 8, 1974	0.0	0.00	DEC. 30, 1975	2.0	0.21
JAN. 3, 1975	0.0	0.00	JAN. 16, 1976	2.0	0.21
FEB. 6, 1975	2.0	0.29	FEB. 23, 1976	2.0	0.29
MAR. 7, 1975	0.0	0.00	MAR. 15, 1976	6.0	1.11
APR. 11, 1975	2.0	0.62	MAR. 30, 1976	0.0	0.00
MAY. 9, 1975	0.0	0.00	APR. 20, 1976	0.0	0.00

S-3

LOCATION.--LAT 39 37 01 , LONG 109 47 41 , IN SE1/4 NE1/4 NW1/4 SEC. 9, T.14 S., R.19 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 7,160 FT (2,182 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	0.0	0.00	DEC. 15, 1975	12.0	2.06
DEC. 8, 1974	1.0	0.08	DEC. 30, 1975	3.0	0.35
JAN. 3, 1975	1.0	0.08	JAN. 16, 1976	2.0	0.21
FEB. 6, 1975	2.0	0.29	FEB. 23, 1976	3.0	0.47
MAR. 7, 1975	1.0	0.13	MAR. 15, 1976	4.0	0.69
APR. 11, 1975	6.0	1.78	MAR. 30, 1976	0.0	0.00
MAY. 9, 1975	0.0	0.00	APR. 20, 1976	0.0	0.00

S-4

LOCATION.--LAT 39 28 37 , LONG 109 48 31 , IN SE1/4 SW1/4 SE1/4 SEC. 29, T.15 S., R.19 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 8,080 FT (2,463 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	1.0	0.08	DEC. 15, 1975	18.0	3.45
DEC. 8, 1974	3.0	0.35	DEC. 30, 1975	3.0	0.35
JAN. 3, 1975	2.0	0.21	JAN. 16, 1976	4.0	0.51
FEB. 6, 1975	2.0	0.29	FEB. 23, 1976	6.0	1.04
MAR. 7, 1975	1.0	0.13	MAR. 15, 1976	6.0	1.11
APR. 11, 1975	12.0	3.47	MAR. 30, 1976	1.0	0.13
MAY. 9, 1975	0.5	0.17	APR. 20, 1976	0.0	0.00

S-5

LOCATION.--LAT 39 29 25 , LONG 109 40 39 , IN NW1/4 NE1/4 NE1/4 SEC. 28, T.15 S., R.20 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 7,360 FT (2,243 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	0.0	0.00	DEC. 15, 1975	6.0	0.85
DEC. 8, 1974	1.0	0.08	DEC. 30, 1975	4.0	0.51
JAN. 3, 1975	2.0	0.21	JAN. 16, 1976	6.0	0.85
FEB. 6, 1975	3.0	0.47	FEB. 23, 1976	3.0	0.47
MAR. 7, 1975	1.0	0.13	MAR. 15, 1976	2.0	0.31
APR. 11, 1975	1.0	0.31	MAR. 30, 1976	0.0	0.00
MAY. 9, 1975	0.0	0.00	APR. 20, 1976	0.0	0.00

S-6

LOCATION.--LAT 39 35 27 , LONG 109 37 46 , IN NW1/4 NE1/4 NW1/4 SEC. 24, T.14 S., R.20 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 7,120 FT (2,170 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	0.0	0.00	DEC. 15, 1975	6.0	0.85
DEC. 8, 1974	1.0	0.08	DEC. 30, 1975	4.0	0.51
JAN. 3, 1975	2.0	0.21	JAN. 16, 1976	6.0	0.85
FEB. 6, 1975	5.0	0.85	FEB. 23, 1976	4.0	0.66
MAR. 7, 1975	1.0	0.13	MAR. 15, 1976	4.0	0.69
APR. 11, 1975	1.0	0.31	MAR. 30, 1976	0.0	0.00
MAY. 9, 1975	0.0	0.00	APR. 20, 1976	0.0	0.00

S-7

LOCATION.--LAT 39 36 15 , LONG 109 25 02 , IN SW1/4 NE1/4 NE1/4 SEC. 14, T.14 S., R.22 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 7,000 FT (2,134 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	0.0	0.00	DEC. 15, 1975	8.0	1.23
DEC. 8, 1974	3.0	0.35	DEC. 30, 1975	4.0	0.51
JAN. 3, 1975	6.0	0.85	JAN. 16, 1976	5.0	0.67
FEB. 6, 1975	6.0	1.04	FEB. 23, 1976	2.0	0.29
MAR. 7, 1975	0.0	0.00	MAR. 15, 1976	2.0	0.31
APR. 11, 1975	2.0	0.62	MAR. 30, 1976	0.0	0.00
MAY. 9, 1975	0.0	0.00	APR. 20, 1976	0.0	0.00

S-8

LOCATION.--LAT 39 29 25 , LONG 109 33 41 , IN NW1/4 NW1/4 NW1/4 SEC. 27, T.15 S., R.21 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 7,380 FT (2,249 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	0.0	0.00	DEC. 15, 1975	10.0	1.63
DEC. 8, 1974	1.0	0.08	DEC. 30, 1975	4.0	0.51
JAN. 3, 1975	2.0	0.21	JAN. 16, 1975	6.0	0.85
FEB. 6, 1975	2.0	0.29	FEB. 23, 1976	3.0	0.47
MAR. 7, 1975	0.0	0.00	MAR. 15, 1976	3.0	0.49
APR. 11, 1975	1.0	0.31	MAR. 30, 1976	0.0	0.00
MAY. 9, 1975	0.0	0.00	APR. 20, 1976	0.0	0.00

S-9

LOCATION.--LAT 39 27 56 , LONG 109 16 53 , IN NW1/4 SW1/4 SW1/4 SEC. 31, T.15 S., R.24 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 8,260 FT (2,518 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	1.0	0.08	DEC. 15, 1975	10.0	1.63
DEC. 8, 1974	2.0	0.21	DEC. 30, 1975	6.0	0.85
JAN. 3, 1975	3.0	0.35	JAN. 16, 1976	3.0	0.35
FEB. 6, 1975	3.0	0.47	FEB. 23, 1976	20.0	4.13
MAR. 7, 1975	1.0	0.13	MAR. 15, 1976	14.0	2.96
APR. 11, 1975	18.0	5.13	MAR. 30, 1976	12.0	2.48
MAY. 9, 1975	0.5	0.17	APR. 20, 1976	0.0	0.00

S-10

LOCATION.--LAT 39 29 06 , LONG 109 10 47 , IN SE1/4 SE1/4 NW1/4 SEC. 25, T.15 S., R.24 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 8,100 FT (2,469 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	1.0	0.08	DEC. 15, 1975	6.0	0.85
DEC. 8, 1974	3.0	0.35	JAN. 16, 1976	1.0	0.08
JAN. 3, 1975	4.0	0.51	FEB. 23, 1976	12.0	2.31
FEB. 6, 1975	4.0	0.66	MAR. 15, 1976	6.0	1.11
MAR. 7, 1975	1.0	0.13	MAR. 30, 1976	3.0	0.49
APR. 11, 1975	4.0	1.21	APR. 20, 1976	0.0	0.00
MAY. 9, 1975	0.5	0.17			

S-11

LOCATION.--LAT 39 26 59 , LONG 109 09 04 , IN SW1/4 NW1/4 NW1/4 SEC. 3, T.16 S., R.25 E., GRAND COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 8,460 FT (2,579 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	6.0	0.85	DEC. 15, 1975	18.0	3.45
DEC. 8, 1974	6.0	0.85	DEC. 30, 1975	6.0	0.85
JAN. 3, 1975	12.0	2.06	JAN. 16, 1976	11.0	1.84
FEB. 6, 1975	12.0	2.31	FEB. 23, 1976	20.0	4.13
MAR. 7, 1975	7.0	1.32	MAR. 15, 1976	26.0	6.08
APR. 11, 1975	12.0	3.47	MAR. 30, 1976	22.0	5.01
MAY. 9, 1975	2.0	0.63	APR. 20, 1976	6.0	1.78

S-12

LOCATION.--LAT 39 13 07 , LONG 109 46 15 , IN NE1/4 NE1/4 SW1/4 SEC. 25, T.18 S., R.19 E., GRAND COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 9,280 FT (2,829 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	1.0	0.08	DEC. 15, 1975	18.0	3.45
DEC. 8, 1974	12.0	2.06	DEC. 30, 1975	12.0	2.06
JAN. 3, 1975	18.0	3.45	JAN. 16, 1976	16.0	2.97
FEB. 6, 1975	31.0	6.81	FEB. 23, 1976	30.0	6.56
MAR. 7, 1975	42.0	10.61	MAR. 15, 1976	36.0	8.87
APR. 11, 1975	67.0	18.12	MAR. 30, 1976	30.0	7.18
MAY. 9, 1975	40.0	10.43	APR. 20, 1976	24.0	6.76

S-13

LOCATION.--LAT 39 21 56 , LONG 109 42 55 , IN SW1/4 SW1/4 SE1/4 SEC. 33, T.16 S., R.20 E., GRAND COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 8,600 FT (2,621 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	1.0	0.08	DEC. 15, 1975	8.0	1.23
DEC. 8, 1974	2.0	0.21	DEC. 30, 1975	6.0	0.85
JAN. 3, 1975	6.0	0.85	JAN. 16, 1976	6.0	0.85
FEB. 6, 1975	8.0	1.45	FEB. 23, 1976	12.0	2.31
MAR. 7, 1975	6.0	1.11	MAR. 15, 1976	18.0	3.97
APR. 11, 1975	30.0	8.37	MAR. 30, 1976	12.0	2.48
MAY. 9, 1975	4.0	1.21			

S-14

LOCATION.--LAT 39 15 30 , LONG 109 43 52 , IN SE1/4 SW1/4 NE1/4 SEC. 8, T.18 S., R.20 E., GRAND COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 9,040 FT (2,755 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	6.0	0.85	DEC. 15, 1975	16.0	2.97
DEC. 8, 1974	12.0	2.06	DEC. 30, 1975	18.0	3.45
JAN. 3, 1975	20.0	3.95	JAN. 16, 1976	16.0	2.97
FEB. 6, 1975	32.0	7.06	FEB. 23, 1976	40.0	9.11
MAR. 7, 1975	42.0	10.61	MAR. 15, 1976	40.0	10.03
APR. 11, 1905	67.0	18.12	MAR. 30, 1976	42.0	10.61
MAY. 9, 1975	36.0	9.45			

S-15

LOCATION.--LAT 39 22 17 , LONG 109 32 42 , IN NW1/4 NE1/4 SE1/4 SEC. 36, T.16 S., R. 21 E., GRAND COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 8,040 FT (2,451 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	1.0	0.08	DEC. 15, 1975	8.0	1.23
DEC. 8, 1974	3.0	0.35	DEC. 30, 1975	6.0	0.85
JAN. 3, 1975	6.0	0.85	JAN. 16, 1976	6.0	0.85
FEB. 6, 1975	5.0	0.85	FEB. 23, 1976	16.0	3.20
MAR. 7, 1975	3.0	0.49	MAR. 15, 1976	6.0	1.11
APR. 11, 1975	30.0	8.37	MAR. 30, 1976	10.0	2.00
MAY. 9, 1975	0.0	0.00	APR. 20, 1976	0.0	0.00

S-16

LOCATION.--LAT 39 23 43 , LONG 109 26 11 , IN SE1/4 SW1/4 SE1/4 SEC. 24, T.16 S., R.22 E., GRAND COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 7,920 FT (2,414 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	1.0	0.08	DEC. 15, 1975	14.0	2.51
DEC. 8, 1974	2.0	0.21	DEC. 30, 1975	10.0	1.63
JAN. 3, 1975	4.0	0.51	JAN. 16, 1976	7.0	1.04
FEB. 6, 1975	6.0	1.04	FEB. 23, 1976	14.0	2.75
MAR. 7, 1975	5.0	0.89	MAR. 15, 1976	20.0	4.48
APR. 11, 1975	12.0	3.47	MAR. 30, 1976	12.0	2.48
MAY. 9, 1975	0.0	0.00	APR. 20, 1976	0.0	0.00

S-17

LOCATION.--LAT 39 25 19 , LONG 109 20 56 , IN NE1/4 NE1/4 NW1/4 SEC. 14, T.16 S., R.23 E., GRAND COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 8,240 FT (2,512 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	3.0	0.35	DEC. 15, 1975	12.0	2.06
DEC. 8, 1974	4.0	0.51	DEC. 30, 1975	6.0	0.85
JAN. 3, 1975	6.0	0.85	JAN. 16, 1976	6.0	0.85
FEB. 6, 1975	6.0	1.04	FEB. 23, 1976	18.0	3.66
MAR. 7, 1975	6.0	1.11	MAR. 15, 1976	22.0	5.01
APR. 11, 1975	12.0	3.47	MAR. 30, 1976	16.0	3.46
MAY. 9, 1975	1.0	0.33	APR. 20, 1976	3.0	0.91

S-18

LOCATION.--LAT 39 38 46 , LONG 109 16 00 , IN NW1/4 SE1/4 NE1/4 SEC. 31, T.13 S., R.24 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 6,620 FT (2,018 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	0.0	0.00	DEC. 15, 1975	6.0	0.85
DEC. 8, 1974	1.0	0.08	DEC. 30, 1975	2.0	0.21
JAN. 3, 1975	3.0	0.35	JAN. 16, 1976	5.0	0.67
FEB. 6, 1975	6.0	1.04	FEB. 23, 1976	4.0	0.66
MAR. 7, 1975	0.0	0.00	MAR. 15, 1976	0.0	0.00
APR. 11, 1975	1.0	0.31	MAR. 30, 1976	0.0	0.00
MAY. 9, 1975	0.0	0.00			

S-19

LOCATION.--LAT 39 40 53 , LONG 109 09 35 , IN SW1/4 SW1/4 SE1/4 SEC. 18, T.13 S., R.25 E., UINTAH COUNTY.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 7,320 FT (2,231 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	0.0	0.00	DEC. 15, 1975	6.0	0.85
DEC. 8, 1974	2.0	0.21	DEC. 30, 1975	4.0	0.51
JAN. 3, 1975	3.0	0.35	JAN. 16, 1976	5.0	0.67
FEB. 6, 1975	3.0	0.47	FEB. 23, 1976	6.0	1.04
MAR. 7, 1975	0.0	0.00	MAR. 15, 1976	3.0	0.49
APR. 11, 1975	2.0	0.62	MAR. 30, 1976	0.0	0.00
MAY. 9, 1975	0.0	0.00	APR. 20, 1976	0.0	0.00

S-20

LOCATION.--LAT 39 34 42 , LONG 108 58 25 , IN SE1/4 NE1/4 SE1/4 SEC. 32, T.5 S., R.103 W., GARFIELD COUNTY, COLO.

PERIOD OF RECORD.--NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 8,680 FT (2,646 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)	DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
NOV. 8, 1974	8.0	1.23	DEC. 15, 1975	18.0	3.45
DEC. 8, 1974	12.0	2.06	DEC. 30, 1975	16.0	2.97
JAN. 3, 1975	18.0	3.45	JAN. 16, 1976	20.0	3.95
FEB. 6, 1975	24.0	5.09	FEB. 23, 1976	22.0	4.61
MAR. 7, 1975	18.0	3.97	MAR. 15, 1976	42.0	10.61
APR. 11, 1975	42.0	11.57	MAR. 30, 1976	38.0	9.45
MAY. 9, 1975	30.0	7.97	APR. 20, 1976	30.0	8.37

S-21

LOCATION.--LAT 39 37 11 , LONG 108 54 12 , IN NE1/4 SW1/4 SE1/4 SEC. 13, T.5 S., R.103 W., GARFIELD COUNTY, COLO.

PERIOD OF RECORD.--DECEMBER 1975 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 8,480 FT (2,585 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
DEC. 15, 1975	16.0	2.97
JAN. 16, 1976	18.0	3.45
FEB. 23, 1976	18.0	3.66
MAR. 15, 1976	32.0	7.74
MAR. 30, 1976	28.0	6.63
APR. 20, 1976	24.0	6.76

S-22

LOCATION.--LAT 39 40 30 , LONG 108 52 40 , IN NE1/4 SE1/4 NE1/4 SEC. 30, T.4 S., R.102 W., RIO BLANCO COUNTY, COLO.

PERIOD OF RECORD.--DECEMBER 1975 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 8,400 FT (2,560 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
DEC. 15, 1975	12.0	2.06
DEC. 30, 1975	8.0	1.23
JAN. 16, 1976	2.0	0.21
FEB. 23, 1976	6.0	1.04
MAR. 15, 1976	10.0	2.00
MAR. 30, 1976	6.0	1.11
APR. 20, 1976	4.0	1.21

S-23

LOCATION.--LAT 39 45 19 , LONG 108 50 45 , IN SW1/4 NW1/4 SE1/4 SEC. 28, T.3 S., R.102 W., RIO BLANCO COUNTY, COLO.

PERIOD OF RECORD.--JANUARY 1976 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 8,070 FT (2,460 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
JAN. 16, 1976	14.0	2.51
FEB. 23, 1976	20.0	4.13
MAR. 15, 1976	24.0	5.54
MAR. 30, 1976	22.0	5.01
APR. 20, 1976	2.0	0.62

S-24

LOCATION.--LAT 39 16 31 , LONG 109 50 38 , IN NW1/4 SW1/4 NE1/4 SEC. 5, T.18 S., R.19 E., GRAND COUNTY.

PERIOD OF RECORD.--DECEMBER 1975 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 9,200 FT (2,804 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
DEC. 15, 1975	18.0	3.45
DEC. 30, 1975	6.0	0.85
JAN. 16, 1976	12.0	2.06
FEB. 23, 1976	18.0	3.66
MAR. 15, 1976	24.0	5.54
MAR. 30, 1976	20.0	4.48
APR. 20, 1976	14.0	4.03

S-25

LOCATION.--LAT 39 08 59 , LONG 109 43 05 , IN SE1/4 SE1/4 SW1/4 SEC. 16, T.19 S., R.20 E., GRAND COUNTY.

PERIOD OF RECORD.--DECEMBER 1975 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 8,480 FT (2,585 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
DEC. 15, 1975	18.0	3.45
DEC. 30, 1975	12.0	2.06
JAN. 16, 1976	16.0	2.97
FEB. 23, 1976	28.0	6.07
MAR. 15, 1976	30.0	7.18
MAR. 30, 1976	24.0	5.54
APR. 20, 1976	10.0	2.91

S-26

LOCATION.--LAT 39 16 22 , LONG 109 33 04 , IN NE1/4 SW1/4 NW1/4 SEC. 1, T.18 S., R.21 E., GRAND COUNTY.

PERIOD OF RECORD.--DECEMBER 1975 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 8,400 FT (2,560 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
DEC. 15, 1975	20.0	3.95
DEC. 30, 1975	12.0	2.06
JAN. 16, 1976	18.0	3.45
FEB. 23, 1976	40.0	9.11
MAR. 15, 1976	40.0	10.03

S-27

LOCATION.--LAT 39 33 03 , LONG 109 02 16 , IN NE1/4 SE1/4 SE1/4 SEC. 12, T.6 S., R.105 W., GARFIELD COUNTY, COLO.

PERIOD OF RECORD.--DECEMBER 1975 TO CURRENT YEAR.

GAGE.--SNOW-DEPTH GAGE. ALTITUDE OF GAGE IS 8,680 FT (2,646 M) FROM TOPOGRAPHIC MAP.

DATE	SNOW DEPTH (IN)	WATER CONTENT (IN)
DEC. 15, 1975	22.0	4.46
DEC. 30, 1975	18.0	3.45
JAN. 16, 1976	26.0	5.51
FEB. 23, 1976	60.0	14.47
MAR. 15, 1976	60.0	16.05
MAR. 30, 1976	54.0	14.20
APR. 20, 1976	48.0	13.15

Table 3.--Monthly pan-evaporation data

E-1

Location.--Lat 39 30 32, long 109 16 03, in NE¼SW¼SE¼ sec. 18, T.15 S., R.24 E., Uintah County.

Gage.--Evaporation recorder. Altitude of gage is 7,900 ft (2,408 m) from topographic map.

Evaporation, in inches

	May	June	July	Aug	Sep	Oct
1975	4.7	7.3	8.5	9.0	5.8	2.7
1976	9.8	11.3	11.1	9.6	5.2	3.7

TABLE 4.--SOIL-MOISTURE DATA

M-1

LOCATION.--LAT 39 12 04 , LONG 109 46 42 , IN SE1/4 SW1/4 NW1/4 SEC. 36, T.18 S., R.19 E., GRAND COUNTY.

PERIOD OF RECORD.--JULY 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 9,440 FT (2,877 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN) JULY 23, 1975	WATER (IN) OCTOBER 16, 1975	WATER (IN) JUNE 3, 1976	WATER (IN) AUGUST 31, 1976	WATER (IN) OCTOBER 21, 1976
3	0.50	1.18	1.38	0.33	1.09
9	0.57	0.69	1.24	0.39	0.72
15	0.64	0.45	1.25	0.40	0.44
21	0.62	0.40	1.13	0.39	0.41
27	0.69	0.42	1.15	0.40	0.41
33	0.89	0.41	1.27	0.40	0.41
39	0.91	0.44	1.14	0.41	0.41
45	1.04	0.53	1.31	0.50	0.48

M-2

LOCATION.--LAT 39 12 46 , LONG 109 47 05 , IN NW1/4 NE1/4 SE1/4 SEC. 26, T.18 S., R.19 E., GRAND COUNTY.

PERIOD OF RECORD.--JULY 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 8,840 FT (2,694 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN) JULY 23, 1975	WATER (IN) OCTOBER 16, 1975	WATER (IN) JUNE 3, 1976	WATER (IN) AUGUST 31, 1976	WATER (IN) OCTOBER 21, 1976
3	0.36	0.36	0.75	0.16	0.43
9	0.44	0.41	0.90	0.30	0.45
15	0.92	0.80	1.42	0.71	0.86
21	1.99	1.68	2.32	1.01	2.00
27	2.25	2.16	2.51	0.94	2.24

M-3

LOCATION.--LAT 39 13 38 , LONG 109 47 36 , IN NW1/4 NE1/4 SW1/4 SEC. 23, T.18 S., R.19 E., GRAND COUNTY.

PERIOD OF RECORD.--JULY 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 8,320 FT (2,536 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN) JULY 23, 1975	WATER (IN) OCTOBER 16, 1975	WATER (IN) JUNE 4, 1976	WATER (IN) AUGUST 31, 1976	WATER (IN) OCTOBER 21, 1976
3	2.05	1.74	1.84	0.46	0.68
9	2.07	1.89	2.03	0.62	0.66
15	2.03	1.81	1.85	0.65	0.65
21	1.87	1.64	1.73	0.67	0.67
27	2.05	1.81	1.87	0.88	0.87
33	2.13	1.89	1.90	1.29	1.21
39	2.57	2.20	2.21	1.83	1.71

M-4

LOCATION.--LAT 39 17 09 , LONG 109 50 02 , IN NE1/4 NW1/4 SW1/4 SEC. 33, T.17 S., R.19 E., GRAND COUNTY.

PERIOD OF RECORD.--JULY 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 9,120 FT (2,780 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN) JULY 24, 1975	WATER (IN) OCTOBER 16, 1975	WATER (IN) JUNE 4, 1976	WATER (IN) SEPTEMBER 1, 1976	WATER (IN) OCTOBER 22, 1976
3	0.99	0.64	2.06	0.38	0.60
9	1.14	0.57	1.55	0.47	0.55
15	1.28	0.61	1.64	0.56	0.57
21	1.31	0.66	1.63	0.61	0.63
27	1.23	0.76	1.54	0.67	0.70
33	1.09	0.74	1.40	0.68	0.70
39	1.27	0.87	1.52	0.82	0.84

M-5

LOCATION.--LAT 39 15 46 , LONG 109 45 43 , IN SW1/4 NW1/4 NW1/4 SEC. 7, T.18 S., R.20 E., GRAND COUNTY.

PERIOD OF RECORD.--JULY 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 9,160 FT (2,792 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JULY 22, 1975	OCTOBER 15, 1975	JUNE 3, 1976	AUGUST 31, 1976	OCTOBER 21, 1976
3	1.06	0.82	2.45	0.32	0.70
9	1.21	0.58	1.84	0.48	0.55
15	1.28	0.61	1.68	0.56	0.58
21	1.43	0.89	1.71	0.79	0.81
27	1.60	1.22	1.67	1.03	1.02

M-6

LOCATION.--LAT 39 13 24 , LONG 109 46 15 , IN NW1/4 SW1/4 SE1/4 SEC. 24, T.18 S., R.19 E., GRAND COUNTY.

PERIOD OF RECORD.--JULY 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 9,320 FT (2,841 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JULY 23, 1975	OCTOBER 15, 1975	JUNE 3, 1976	AUGUST 31, 1976	OCTOBER 21, 1976
3	0.71	0.50	1.12	0.29	0.66
9	0.66	0.44	1.26	0.41	0.48
15	0.80	0.46	1.30	0.44	0.45
21	0.80	0.41	1.17	0.40	0.41
27	0.88	0.42	1.19	0.42	0.42
33	0.96	0.48	1.26	0.46	0.45
39	0.99	0.52	1.25	0.49	0.49

M-7

LOCATION.--LAT 39 17 27 , LONG 109 45 28 , IN SW1/4 NE1/4 NW1/4 SEC. 31, T.17 S., R.20 E., GRAND COUNTY.

PERIOD OF RECORD.--JULY 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 9,120 FT (2,780 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JULY 22, 1975	OCTOBER 15, 1975	JUNE 3, 1976	AUGUST 30, 1976	OCTOBER 21, 1976
3	0.97	0.40	0.97	0.26	0.42
9	0.86	0.43	1.13	0.41	0.42
15	0.76	0.42	1.10	0.42	0.42
21	0.88	0.44	1.10	0.42	0.42
27	0.82	0.39	0.83	0.38	0.37
33	0.73	0.38	0.43	0.36	0.35
39	0.82	0.42	0.42	0.40	0.38
45	0.93	0.48	0.48	0.45	0.43

M-8

LOCATION.--LAT 39 22 17 , LONG 109 50 25 , IN NW1/4 NE1/4 SE1/4 SEC. 32, T.16 S., R.19 E., GRAND COUNTY.

PERIOD OF RECORD.--JULY 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 8,880 FT (2,707 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JULY 24, 1975	OCTOBER 16, 1975	JUNE 4, 1976	SEPTEMBER 1, 1976	OCTOBER 22, 1976
3	0.45	0.35	0.57	0.34	0.37
9	0.67	0.56	1.09	0.57	0.58

M-9

LOCATION.--LAT 39 23 34 , LONG 109 43 21 , IN NE1/4 NW1/4 NW1/4 SEC. 28, T.16 S., R.20 E., GRAND COUNTY.

PERIOD OF RECORD.--JULY 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 8,430 FT (2,569 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JULY 22, 1975	OCTOBER 15, 1975	MAY 13, 1976	AUGUST 30, 1976	OCTOBER 21, 1976
3	0.98	0.57	1.69	0.44	0.49
9	1.29	0.86	1.86	0.85	0.85

M-10

LOCATION.--LAT 39 28 52 , LONG 109 49 02 , IN SE1/4 NW1/4 SW1/4 SEC. 29, T.15 S., R.19 E., UINTAH COUNTY.

PERIOD OF RECORD.--JULY 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 8,100 FT (2,469 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JULY 24, 1975	OCTOBER 16, 1975	MAY 12, 1976	SEPTEMBER 1, 1976	OCTOBER 22, 1976
3	0.48	0.38	1.30	0.37	0.40
9	0.71	0.64	1.39	0.60	0.63
15	0.89	0.78	1.48	0.76	0.77

M-11

LOCATION.--LAT 39 35 31 , LONG 109 01 15 , IN SE1/4 NE1/4 SW1/4 SEC. 25, T.5 S., R.104 W., GARFIELD COUNTY, COLO.

PERIOD OF RECORD.--AUGUST 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 8,400 FT (2,560 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	AUGUST 13, 1975	OCTOBER 22, 1975	MAY 20, 1976	AUGUST 24, 1976	OCTOBER 14, 1976
3	0.54	0.49	2.19	0.44	1.16
9	0.51	0.46	1.50	0.45	0.54
15	0.74	0.61	1.57	0.61	0.55
21	1.17	0.90	1.69	0.93	0.77

M-12

LOCATION.--LAT 39 18 02 , LONG 109 32 35 , IN NE1/4 NW1/4 SE1/4 SEC. 25, T.17 S., R.21 E., GRAND COUNTY.

PERIOD OF RECORD.--JUNE 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 8,660 FT (2,640 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JUNE 26, 1975	OCTOBER 21, 1975	MAY 27, 1976	SEPTEMBER 16, 1976	OCTOBER 27, 1976
3	0.71	0.48	1.60	0.37	0.49
9	1.31	0.76	1.78	0.64	0.73

M-13

LOCATION.--LAT 39 20 23 , LONG 109 35 32 , IN NE1/4 SE1/4 SE1/4 SEC. 9, T.17 S., R.21 E., GRAND COUNTY.

PERIOD OF RECORD.--JUNE 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 8,300 FT (2,530 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JUNE 26, 1975	OCTOBER 21, 1975	MAY 27, 1976	SEPTEMBER 16, 1976	OCTOBER 27, 1976
3	0.90	0.84	2.09	0.50	0.54
9	1.15	1.07	1.54	0.58	0.60
15	1.20	0.91	1.44	0.63	0.65
21	1.32	0.76	1.52	0.73	0.72
27	1.39	0.81	1.53	0.80	0.80

M-14

LOCATION.--LAT 39 22 01 , LONG 109 32 00 , IN NE1/4 SE1/4 SW1/4 SEC. 31, T.16 S., R.22 E., GRAND COUNTY.

PERIOD OF RECORD.--JUNE 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 8,100 FT (2,469 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JUNE 26, 1975	OCTOBER 21, 1975	MAY 26, 1976	SEPTEMBER 16, 1976	OCTOBER 27, 1976
3	0.37	0.24	0.98	0.23	0.29
9	0.64	0.38	0.97	0.36	0.37
15	0.85	0.36	1.10	0.36	0.37

M-15

LOCATION.--LAT 39 28 02 , LONG 109 27 15 , IN SW1/4 NE1/4 SE1/4 SEC. 33, T.15 S., R.22 E., UINTAH COUNTY.

PERIOD OF RECORD.--JULY 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 7,540 FT (2,298 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JULY 14, 1975	APRIL 28, 1976	OCTOBER 27, 1976		
3	0.43	1.20	0.42	---	---
9	0.68	1.12	0.60	---	---
15	0.75	0.88	0.61	---	---
21	0.84	0.66	0.60	---	---
27	0.93	0.66	0.61	---	---
33	0.93	0.66	0.60	---	---
39	0.76	0.62	0.57	---	---
45	0.66	0.62	0.59	---	---
51	0.67	0.63	0.60	---	---
57	0.71	0.68	0.64	---	---
63	0.73	0.69	0.68	---	---

M-16

LOCATION.--LAT 39 23 14 , LONG 109 26 39 , IN SW1/4 SE1/4 NW1/4 SEC. 25, T.16 S., R.22 E., GRAND COUNTY.

PERIOD OF RECORD.--JULY 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 7,920 FT (2,414 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JULY 14, 1975	OCTOBER 21, 1975	MAY 26, 1976	SEPTEMBER 16, 1976	OCTOBER 27, 1976
3	0.72	0.35	1.41	0.28	0.31
9	0.63	0.49	1.28	0.40	0.40
15	0.81	0.47	1.36	0.43	0.44
21	0.94	0.55	1.52	0.49	0.52

M-17

LOCATION.--LAT 39 25 09 , LONG 109 21 23 , IN NE1/4 SE1/4 NE1/4 SEC. 15, T.16 S., R.23 E., GRAND COUNTY.

PERIOD OF RECORD.--JUNE 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 8,160 FT (2,487 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JUNE 25, 1975	OCTOBER 21, 1975	MAY 26, 1976	SEPTEMBER 15, 1976	OCTOBER 19, 1976
3	0.89	0.23	1.44	0.28	0.32
9	0.97	0.30	1.27	0.32	0.33
15	1.03	0.33	1.32	0.34	0.36
21	1.07	0.38	1.32	0.39	0.40

M-18

LOCATION.--LAT 39 27 29 , LONG 109 16 47 , IN NE1/4 NW1/4 SW1/4 SEC. 33, T.15 1/2 S., R.24 E., GRAND COUNTY.

PERIOD OF RECORD.--JUNE 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 8,270 FT (2,521 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JUNE 25, 1975	OCTOBER 22, 1975	APRIL 29, 1976	SEPTEMBER 15, 1976	OCTOBER 19, 1976
3	0.79	0.41	2.54	0.42	0.48
9	0.76	0.42	1.22	0.34	0.36
15	0.87	0.36	1.18	0.34	0.35
21	0.96	0.35	1.19	0.35	0.35
27	0.94	0.34	1.13	0.33	0.32
33	0.96	0.34	1.13	0.33	0.34
39	0.96	0.33	1.10	0.32	0.32
45	1.04	0.33	1.13	0.32	0.32

M-19

LOCATION.--LAT 39 27 10 , LONG 109 08 56 , IN SE1/4 SW1/4 SW1/4 SEC. 34, T.15 1/2 S., R.25 E., GRAND COUNTY.

PERIOD OF RECORD.--JUNE 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 8,340 FT (2,542 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JUNE 24, 1975	OCTOBER 22, 1975	MAY 11, 1976	AUGUST 25, 1976	OCTOBER 14, 1976
3	0.83	0.20	2.12	0.18	0.94
9	0.55	0.18	0.92	0.17	0.42
15	0.54	0.18	0.85	0.18	0.22

M-20

LOCATION.--LAT 39 31 17 , LONG 109 09 34 , IN SW1/4 SW1/4 SE1/4 SEC. 7, T.15 S., R.25 E., GRAND COUNTY.

PERIOD OF RECORD.--JUNE 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 7,740 FT (2,359 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JUNE 24, 1975	OCTOBER 22, 1975	MAY 11, 1976	AUGUST 25, 1976	OCTOBER 14, 1976
3	1.06	0.36	1.43	0.39	0.78
9	1.08	0.48	1.33	0.50	0.76
15	1.25	0.68	1.42	0.74	0.76

M-21

LOCATION.--LAT 39 31 01 , LONG 109 03 51 , IN SW1/4 NW1/4 NE1/4 SEC. 13, T.15 S., R.25 E., UINTAH COUNTY.

PERIOD OF RECORD.--JUNE 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 7,080 FT (2,158 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JUNE 24, 1975	OCTOBER 22, 1975	MAY 20, 1976	AUGUST 25, 1976	OCTOBER 14, 1976
3	1.30	0.36	1.17	0.39	0.86
9	1.08	0.47	1.01	0.50	0.87
15	1.02	0.50	1.03	0.47	0.56
21	1.04	0.56	1.07	0.54	0.50
27	1.01	0.60	1.07	0.61	0.54
33	0.95	0.63	1.00	0.68	0.59
39	1.13	0.76	1.19	0.82	0.74
45	1.22	0.84	1.29	0.89	0.83
51	1.17	0.89	1.24	0.92	0.86
57	1.15	0.93	1.20	0.96	0.88
63	1.09	0.87	1.13	0.91	0.84
69	1.04	0.85	1.07	0.87	0.81
76	1.13	0.91	1.19	0.94	0.87

M-22

LOCATION.--LAT 39 39 23 , LONG 109 05 27 , IN NE1/4 NW1/4 SW1/4 SEC. 26, T.13 S., R.25 E., UINTAH COUNTY.

PERIOD OF RECORD.--APRIL 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 7,750 FT (2,362 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	APRIL 29, 1975	APRIL 15, 1976	AUGUST 24, 1976	NOVEMBER 15, 1976	
3	1.62	1.58	0.33	0.40	---
9	1.51	1.44	0.62	0.60	---
15	2.12	1.99	0.71	0.64	---

M-23

LOCATION.--LAT 39 37 08 , LONG 109 13 53 , IN SE1/4 NW1/4 NE1/4 SEC. 9, T.14 S., R.24 E., GRAND COUNTY.

PERIOD OF RECORD.--APRIL 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 7,080 FT (2,158 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	APRIL 29, 1975	APRIL 15, 1976	AUGUST 25, 1976	NOVEMBER 9, 1976	
3	2.14	1.94	0.41	0.45	---
9	2.38	2.04	0.69	0.66	---

M-24

LOCATION.--LAT 39 33 17 , LONG 109 18 15 , IN SW1/4 NE1/4 SE1/4 SEC. 35, T.14 S., R.23 E., UINTAH COUNTY.

PERIOD OF RECORD.--JUNE 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 7,470 FT (2,277 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JUNE 25, 1975	OCTOBER 22, 1975	APRIL 29, 1976	SEPTEMBER 15, 1976	OCTOBER 19, 1976
3	0.64	0.24	1.22	0.26	0.27
9	0.98	0.36	1.27	0.35	0.36
15	1.10	0.55	1.07	0.52	0.51

M-25

LOCATION.--LAT 39 31 38 , LONG 109 21 22 , IN NW1/4 NW1/4 SW1/4 SEC. 9, T.15 S., R.23 E., UINTAH COUNTY.

PERIOD OF RECORD.--APRIL 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 7,600 FT (2,316 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	APRIL 30, 1975	APRIL 21, 1976	SEPTEMBER 15, 1976	NOVEMBER 12, 1976
3	1.43	1.63	0.38	0.43
9	1.42	1.45	0.65	0.65
15	1.44	1.32	0.66	0.67
21	1.38	1.05	0.65	0.65
27	1.02	0.76	0.68	0.69
33	0.72	0.75	0.69	0.68
39	0.67	0.70	0.63	0.65
45	0.67	0.72	0.70	0.68

M-26

LOCATION.--LAT 39 34 17 , LONG 109 23 22 , IN SE1/4 SW1/4 NW1/4 SEC. 30, T.14 S., R.23 E., UINTAH COUNTY.

PERIOD OF RECORD.--APRIL 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 7,200 FT (2,195 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	APRIL 25, 1975	APRIL 21, 1976	SEPTEMBER 15, 1976	NOVEMBER 12, 1976
3	1.16	1.13	0.40	0.35
9	1.41	1.27	0.69	0.70
15	1.57	1.44	0.80	0.83
21	1.57	1.40	0.76	0.78
27	1.46	1.22	0.67	0.68
33	1.18	1.07	0.60	0.62

M-27

LOCATION.--LAT 39 34 15 , LONG 109 23 26 , IN SE1/4 SW1/4 NW1/4 SEC. 30, T.14 S., R.23 E., UINTAH COUNTY.

PERIOD OF RECORD.--APRIL 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 7,210 FT (2,198 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	APRIL 25, 1975	APRIL 21, 1976	SEPTEMBER 15, 1976	NOVEMBER 12, 1976
3	1.26	1.21	0.24	0.20
9	1.41	1.32	0.43	0.42
15	1.48	1.33	0.55	0.55
21	1.52	1.39	0.66	0.65
27	0.87	1.13	0.58	0.58
33	0.55	0.97	0.53	0.53
39	0.55	0.87	0.52	0.53

M-28

LOCATION.--LAT 39 30 17 , LONG 109 34 13 , IN NW1/4 NW1/4 NE1/4 SEC. 21, T.15 S., R.21 E., UINTAH COUNTY.

PERIOD OF RECORD.--JULY 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 7,360 FT (2,243 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JULY 15, 1975	APRIL 28, 1976	OCTOBER 27, 1976	
3	0.44	1.06	0.38	---
9	0.70	1.11	0.59	---
15	0.96	1.38	0.75	---
21	1.08	1.25	0.74	---
27	1.07	1.04	0.79	---
33	1.02	0.89	0.77	---
39	0.85	0.78	0.71	---
45	0.78	0.73	0.61	---

M-29

LOCATION.--LAT 39 32 48 , LONG 109 40 17 , IN SE1/4 NW1/4 NW1/4 SEC. 3, T.15 S., R.20 E., UINTAH COUNTY.

PERIOD OF RECORD.--JULY 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 7,460 FT (2,274 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JULY 15, 1975	APRIL 22, 1976	OCTOBER 29, 1976	
3	0.31	1.07	0.31	---
9	0.75	1.65	0.69	---
15	1.15	1.80	0.91	---
21	1.42	1.53	0.93	---
27	1.39	1.17	0.91	---
33	1.23	0.94	0.84	---
39	1.04	0.87	0.76	---
45	1.04	0.93	0.77	---

M-30

LOCATION.--LAT 39 31 19 , LONG 109 44 04 , IN NE1/4 SW1/4 SE1/4 SEC. 12, T.15 S., R.19 E., UINTAH COUNTY.

PERIOD OF RECORD.--JULY 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 6,500 FT (1,981 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	JULY 15, 1975	APRIL 22, 1976	OCTOBER 29, 1976	
3	0.19	1.05	0.22	---
9	0.37	1.24	0.37	---
15	0.41	1.14	0.39	---
21	0.45	1.10	0.41	---
27	0.61	0.99	0.51	---
33	0.59	0.53	0.45	---
39	0.65	0.58	0.51	---
45	0.70	0.64	0.58	---
51	0.68	0.67	0.59	---
57	---	0.54	0.50	---

M-31

LOCATION.--LAT 39 39 13 , LONG 109 35 34 , IN NW1/4 SE1/4 SW1/4 SEC. 29, T.13 S., R.21 E., UINTAH COUNTY.

PERIOD OF RECORD.--APRIL 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 6,480 FT (1,975 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	APRIL 23, 1975	APRIL 12, 1976	OCTOBER 29, 1976	
3	1.08	0.88	0.30	---
9	1.41	1.25	0.47	---
15	1.77	1.63	0.57	---

M-32

LOCATION.--LAT 39 46 18 , LONG 109 27 28 , IN NW1/4 NW1/4 SE1/4 SEC. 16, T.12 S., R.22 E., UINTAH COUNTY.

PERIOD OF RECORD.--APRIL 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 6,490 FT (1,978 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	APRIL 16, 1975	OCTOBER 23, 1975	APRIL 13, 1976	NOVEMBER 18, 1976
3	0.82	0.64	0.63	0.29
9	1.38	0.62	1.25	0.59

M-33

LOCATION.--LAT 39 48 44 , LONG 109 19 35 , IN NW1/4 SW1/4 SE1/4 SEC. 34, T.11 S., R.23 E., UINTAH COUNTY.

PERIOD OF RECORD.--APRIL 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 6,380 FT (1,945 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	APRIL 18, 1975	OCTOBER 23, 1975	APRIL 13, 1976	NOVEMBER 18, 1976
3	1.20	0.51	0.84	0.27
9	1.48	0.53	1.28	0.48

M-34

LOCATION.--LAT 39 45 36 , LONG 109 08 19 , IN NE1/4 NW1/4 SE1/4 SEC. 20, T.12 S., R.25 E., UINTAH COUNTY.

PERIOD OF RECORD.--APRIL 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 6,720 FT (2,048 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	APRIL 14, 1975	APRIL 15, 1976	AUGUST 24, 1976	NOVEMBER 15, 1976
3	1.44	1.05	0.33	0.43
9	1.44	1.11	0.56	0.58

M-35

LOCATION.--LAT 39 50 37 , LONG 109 07 47 , IN SE1/4 NW1/4 SW1/4 SEC. 21, T.11 S., R.25 E., UINTAH COUNTY.

PERIOD OF RECORD.--APRIL 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 5,500 FT (1,676 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	APRIL 14, 1975	OCTOBER 23, 1975	APRIL 14, 1976	NOVEMBER 17, 1976
3	1.54	0.45	0.62	0.17
9	1.24	0.33	0.91	0.34
15	0.68	0.34	0.61	0.39
21	0.43	0.37	0.42	0.40
27	0.41	0.41	0.41	0.42
33	0.54	0.52	0.53	0.53
39	0.59	0.57	0.57	0.56
45	0.55	0.53	0.52	0.49

M-36

LOCATION.--LAT 39 54 15 , LONG 109 06 46 , IN NW1/4 NW1/4 SW1/4 SEC. 33, T.10 S., R.25 E., UINTAH COUNTY.

PERIOD OF RECORD.--APRIL 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 5,890 FT (1,795 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	APRIL 11, 1975	OCTOBER 14, 1975	APRIL 14, 1976	NOVEMBER 17, 1976
3	0.94	0.18	0.53	0.25
9	1.06	0.29	0.79	0.36
15	0.91	0.35	0.74	0.39
21	0.45	0.36	0.53	0.39

M-37

LOCATION.--LAT 39 54 44 , LONG 109 12 28 , IN NW1/4 NW1/4 NW1/4 SEC. 34, T.10 S., R.24 E., UINTAH COUNTY.

PERIOD OF RECORD.--APRIL 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 5,460 FT (1,664 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	APRIL 11, 1975	OCTOBER 14, 1975	APRIL 14, 1976	NOVEMBER 17, 1976
3	0.65	0.11	0.40	0.13
9	0.43	0.20	0.70	0.20
15	0.90	0.25	0.70	0.25
21	0.81	0.26	0.67	0.26
27	0.63	0.28	0.77	0.28
33	0.34	0.28	0.61	0.28
39	0.30	0.30	0.37	0.30

M-38

LOCATION.--LAT 39 56 34 , LONG 109 27 41 , IN SW1/4 SW1/4 SE1/4 SEC. 17, T.10 S., R.22 E., UINTAH COUNTY.

PERIOD OF RECORD.--APRIL 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 5,270 FT (1,606 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	APRIL 15, 1975	OCTOBER 20, 1975	APRIL 13, 1976	NOVEMBER 18, 1976
3	0.60	0.19	0.41	0.18
9	0.97	0.37	0.81	0.37
15	1.07	0.45	0.87	0.44

M-39

LOCATION.--LAT 39 50 10 , LONG 109 36 45 , IN SW1/4 NE1/4 NW1/4 SEC. 30, T.11 S., R.21 E., UINTAH COUNTY.

PERIOD OF RECORD.--APRIL 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 5,130 FT (1,564 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	APRIL 15, 1975	OCTOBER 20, 1975	APRIL 12, 1976	NOVEMBER 19, 1976
3	0.92	0.17	0.73	0.18
9	0.57	0.36	0.94	0.38
15	0.54	0.49	0.80	0.53
21	0.59	0.56	0.62	0.57
27	0.62	0.60	0.61	0.60

M-40

LOCATION.--LAT 39 44 34 , LONG 109 40 31 , IN NE1/4 NE1/4 SE1/4 SEC. 28, T.12 S., R.20 E., UINTAH COUNTY.

PERIOD OF RECORD.--APRIL 1975 TO CURRENT YEAR.

GAGE.--SOIL MOISTURE ACCESS TUBE. ALTITUDE OF GROUND SURFACE IS 6,060 FT (1,847 M) FROM TOPOGRAPHIC MAP.

DEPTH (IN)	WATER (IN)	WATER (IN)	WATER (IN)	WATER (IN)
	APRIL 23, 1975	OCTOBER 20, 1975	APRIL 12, 1976	NOVEMBER 19, 1976
3	0.71	0.24	0.75	0.26
9	0.90	0.41	0.92	0.39
15	1.01	0.51	1.00	0.48

09306400 WHITE RIVER ABOVE HELL'S HOLE CANYON, NEAR WATSON, UTAH

LOCATION.--LAT 39 58 29 , LONG 109 07 49 , IN SE1/4 NW1/4 SW1/4 SEC. 5, T.10 S., R.25 E., UINTAH COUNTY, ON LEFT BANK 0.1 MILE (0.2 KM) UPSTREAM FROM HELL'S HOLE CANYON, 1.4 MILES (2.3 KM) UPSTREAM FROM EVACUATION CREEK, AND 6.6 MILES (10.6 KM) NORTH OF WATSON.

DRAINAGE AREA.--3,700 MI2 (9,580 KM2), APPROXIMATELY.

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO OCT. 16, 1975, NOV. 19, 1975 TO JAN. 6, 1976, AND APR. 5 TO SEPT. 30, 1976 (DISCONTINUED).
CHEMICAL ANALYSES: AUGUST 1974 TO SEPTEMBER 1976 (DISCONTINUED).

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 5,000 FT (1,524 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 3,870 FT3/S (110 M3/S) JUNE 10 (MAXIMUM GAGE HEIGHT, 7.42 FT OR 2.262 M, JUNE 9); MINIMUM, 66 FT3/S (1.87 M3/S) DEC. 12, BUT MAY HAVE BEEN LESS DURING PERIOD OF ICE EFFECT.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 2,080 FT3/S (58.9 M3/S) MAY 21 (GAGE HEIGHT, 6.11 FT OR 1.862 M); MINIMUM PROBABLY OCCURRED DURING PERIOD OF NO RECORD.

REMARKS.--DISCHARGE: RECORDS GOOD EXCEPT THOSE DURING WINTER MONTHS AND THOSE FOR PERIODS OF NO GAGE-HEIGHT RECORD, WHICH ARE FAIR.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	400	432	225	345	375	455	432	550	1470	2510	683	359
2	395	447	235	345	375	485	413	511	1590	2540	623	354
3	405	442	241	335	365	535	369	481	1970	2610	588	349
4	935	423	298	315	365	555	393	472	2220	2560	578	364
5	400	432	413	295	355	575	428	535	2450	2740	561	359
6	415	418	501	275	355	595	486	623	2690	2560	530	345
7	430	393	452	275	375	605	486	647	2960	2560	501	330
8	430	393	398	270	385	615	481	583	3200	2280	496	316
9	440	393	280	265	395	605	452	526	3450	2100	516	326
10	445	418	280	265	395	585	408	501	3650	2010	511	423
11	450	437	169	260	395	585	398	506	3040	1830	496	588
12	450	423	249	265	395	585	388	566	2520	1550	501	491
13	465	409	302	275	395	575	398	701	2270	1400	550	447
14	470	437	350	285	395	550	393	730	2320	1340	506	462
15	440	428	355	295	395	486	393	830	2680	1250	486	467
16	430	418	365	300	385	481	403	970	3090	1270	516	457
17	420	413	370	305	375	526	437	1250	3360	1420	491	437
18	410	403	335	305	365	486	501	1630	3290	1330	476	432
19	405	403	325	310	355	501	526	2080	3020	1150	452	442
20	405	418	355	315	345	481	467	1950	2810	1060	432	432
21	400	403	345	325	335	462	428	2480	2470	1010	428	437
22	400	374	305	335	325	506	423	2680	2370	994	452	437
23	415	442	255	355	315	462	437	2220	2220	902	462	437
24	430	447	215	365	305	423	501	1790	2070	825	452	442
25	420	423	185	385	305	398	535	1480	2180	777	423	462
26	420	398	155	405	325	413	578	1670	2470	758	408	452
27	420	403	155	415	355	423	659	1590	2340	738	408	447
28	415	418	155	405	405	383	701	1890	2270	677	398	472
29	420	369	175	385	---	393	677	1890	2320	665	393	462
30	415	393	215	375	---	369	600	1750	2450	701	398	452
31	435	---	285	375	---	364	---	1450	---	683	378	---
TOTAL	13630	12450	8943	10025	10210	15462	14191	37532	77210	46800	15093	12680
MEAN	440	415	288	323	365	499	473	1211	2574	1510	487	423
MAX	935	447	501	415	405	615	701	2680	3650	2740	683	588
MIN	395	369	155	260	305	364	369	472	1470	665	378	316
AC-FT	27040	24690	17740	19880	20250	30670	28150	74440	153100	92830	29940	25150

WTR YR 1975 TOTAL 274226 MEAN 751 MAX 3650 MIN 155 AC-FT 543900

NOTE.--NO GAGE-HEIGHT RECORD OCT. 1-30, JAN. 1 TO MAR. 10.

09306400 WHITE RIVER ABOVE HELLS HOLE CANYON, NEAR WATSON, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	452	---	300	210			---	677	1590	566	556	245
2	455	---	330	210			---	689	1490	526	500	216
3	451	---	400	210			---	751	1570	516	349	194
4	455	---	400	210			---	860	1630	481	321	190
5	451	---	400	210			486	930	1670	462	271	216
6	433	---	400	210			530	1040	1600	472	262	237
7	427	---	400	---			561	1050	1670	462	266	228
8	437	---	400	---			496	1050	1590	408	320	237
9	444	---	400	---			502	1120	1550	388	294	254
10	451	---	400	---			472	1180	1530	316	349	228
11	432	---	400	---			496	1200	1540	289	378	237
12	424	---	400	---			511	1260	1460	289	452	237
13	422	---	400	---			540	1350	1240	321	378	220
14	424	---	270	---			600	1260	1140	289	369	237
15	455	---	230	---			565	1400	1130	224	349	276
16	456	---	224	---			535	1720	1030	169	312	316
17	---	---	207	---			535	1710	930	147	294	312
18	---	---	220	---			540	1740	916	176	298	298
19	---	407	230	---			550	1850	938	202	307	289
20	---	392	250	---			561	1850	860	501	302	271
21	---	389	250	---			511	1970	784	452	312	276
22	---	389	250	---			481	1950	817	398	312	294
23	---	380	250	---			476	1840	888	359	321	349
24	---	380	250	---			486	1680	1080	345	289	354
25	---	380	250	---			511	1570	962	316	254	393
26	---	380	210	---			516	1430	832	271	241	428
27	---	300	210	---			550	1290	764	289	266	423
28	---	290	210	---			550	1300	701	340	289	383
29	---	290	210	---			530	1440	641	280	254	383
30	---	290	210	---			583	1600	611	228	245	374
31	---	---	210	---			---	1710	---	294	249	---
TOTAL	---	---	9171	---			---	42467	35154	10776	9959	8595
MEAN	---	---	296	---			---	1370	1172	348	321	287
MAX	---	---	400	---			---	1970	1670	566	556	428
MIN	---	---	207	---			---	677	611	147	241	190
AC-FT	---	---	18190	---			---	84230	69730	21370	19750	17050

TABLE 5.—CONTINUED

09306400 WHITE RIVER ABOVE HELLS HOLE CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
AUG , 1974										
28...	0900	290	18.0	900	7.9	8.0	11	61	31	110
SEP										
17...	1530	--	18.0	890	7.8	--	14	77	31	85
OCT										
09...	1300	466	12.5	725	8.2	8.7	14	67	25	57
22...	1325	434	11.0	779	--	--	12	65	24	62
NOV										
13...	1200	409	3.5	770	8.3	--	13	65	25	65
21...	1030	439	1.9	794	--	--	12	69	24	77
DEC										
05...	1100	349	.0	875	8.4	--	14	78	30	78
17...	1530	384	3.4	846	--	--	14	73	26	68
JAN , 1975										
07...	1415	313	.0	825	8.1	11.1	17	83	28	71
21...	1240	* 320	.4	800	--	--	15	69	23	63
FEB										
04...	1145	* 380	.0	790	8.4	10.4	16	73	23	67
18...	1000	400	.2	780	--	--	15	67	25	69
MAR										
04...	1130	* 580	.0	850	7.9	9.8	12	63	27	84
17...	1020	543	.1	927	--	--	12	74	32	78
APR										
04...	1050	415	5.0	890	8.5	9.0	13	73	30	76
22...	1350	400	12.9	860	--	6.2	12	72	32	83
MAY										
06...	1200	629	8.5	800	8.5	9.7	12	63	27	66
20...	1045	1850	11.0	480	8.3	6.0	11	41	17	30
JUN										
05...	1500	2347	16.5	365	8.0	8.7	12	38	13	21
23...	0915	2400	12.9	398	8.6	6.0	13	45	15	21
JUL										
10...	1500	2160	20.0	390	--	--	13	42	13	23
14...	0730	1620	19.4	431	8.1	--	14	46	14	28
AUG										
05...	1300	545	21.0	675	8.4	8.0	15	66	26	53
SEP										
09...	1335	396	19.8	750	8.4	7.8	8.8	61	27	72
OCT										
07...	1200	414	12.0	710	8.5	8.1	11	61	22	56
21...	0845	430	6.5	700	--	--	11	66	22	50
DEC										
02...	1400	293	.0	811	8.2	11.0	14	72	24	66
APR , 1976										
19...	--	550	10.5	--	--	--	--	--	--	--
20...	1130	562	12.0	750	8.3	7.7	12	64	26	66
MAY										
16...	1455	1720	14.5	435	8.0	--	12	42	14	22
JUN										
15...	1315	1130	15.0	470	8.1	--	13	47	15	27
JUL										
14...	1400	289	--	--	--	--	--	--	--	--
24...	1310	345	25.0	863	8.0	--	16	79	31	67
AUG										
04...	1015	321	--	--	--	--	--	--	--	--
19...	1135	307	20.5	800	7.7	--	12	73	30	70
SEP										
21...	1225	270	17.0	833	7.7	--	11	69	31	68

* ESTIMATED.

TABLE 5.—CONTINUED

09306400 WHITE RIVER ABOVE HELLS HOLE CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DIS-SOL-VED SUL-FIDE (S) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
AUG , 1974									
28...	3.8	249	0	210	68	.4	.2	.0	.00
SEP									
17...	3.2	264	0	190	59	.3	.2	.2	.00
OCT									
09...	1.9	226	0	160	32	.2	.1	.1	.01
22...	2.3	225	0	170	34	.3	.5	.1	.00
NOV									
13...	.9	234	0	160	33	.3	.1	.0	.02
21...	1.9	244	0	160	35	.2	.2	.0	.01
DEC									
05...	2.0	266	6	190	45	.3	.1	.0	.08
17...	1.4	255	0	160	41	.3	.1	.1	.22
JAN , 1975									
07...	2.4	266	0	180	45	.3	.1	2.5	.51
21...	2.0	240	0	160	37	.2	.0	.1	.27
FEB									
04...	1.9	248	0	170	38	.2	.1	.2	.28
18...	1.9	243	0	160	38	.3	.1	.0	.19
MAR									
04...	3.3	230	0	180	41	.3	.1	.2	.30
17...	4.0	238	0	210	45	.3	.1	.2	.13
APR									
04...	3.8	193	22	190	44	.2	.1	.2	.04
22...	2.1	251	0	210	42	.3	.1	.3	.02
MAY									
06...	2.0	214	1	170	37	.2	.1	.1	.04
20...	2.0	155	0	84	12	.2	.0	.0	.36
JUN									
05...	1.4	145	0	59	8.3	.2	.0	.1	.19
23...	1.3	154	0	81	9.2	.2	.0	.0	.08
JUL									
10...	1.7	157	--	73	12	.2	.0	.0	.12
14...	1.6	163	0	69	13	.2	.0	.1	.05
AUG									
05...	2.0	235	0	150	25	.3	.1	.1	.01
SEP									
09...	2.5	222	0	190	37	.3	.1	.0	.66
OCT									
07...	1.8	175	2	150	32	.3	.1	.5	.06
21...	1.6	214	0	140	31	.2	.0	.3	.00
DEC									
02...	1.7	237	0	170	36	.3	.1	.0	.18
APR , 1976									
19...	--	--	--	--	--	--	--	--	--
20...	1.7	218	0	190	33	.2	.1	.3	.07
MAY									
16...	1.7	143	0	70	10	.2	--	--	.29
JUN									
15...	1.4	168	0	82	15	.3	--	--	.06
JUL									
14...	--	--	--	--	--	--	--	--	--
24...	3.2	280	0	180	36	.4	.1	.0	.03
AUG									
04...	--	--	--	--	--	--	--	--	--
19...	2.3	238	0	200	41	.3	--	--	.04
SEP									
21...	2.4	218	0	190	44	.3	--	--	.09

TABLE 5.—CONTINUED

09306400 WHITE RIVER ABOVE HELLS HOLE CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)
AUG , 1974									
28...	.00	.10	.46	.00	.03	626	618	490	.85
SEP									
17...	.00	.01	.75	.00	.13	609	591	--	.83
OCT									
09...	.01	.03	.42	.00	.05	489	469	615	.67
22...	.00	.02	.24	.00	.09	498	481	584	.68
NOV									
13...	.00	.05	.03	.03	.02	498	478	550	.68
21...	.00	.01	.29	.01	.07	509	500	603	.69
DEC									
05...	.00	.00	.11	.00	.04	569	575	536	.77
17...	.00	.08	.22	.02	.05	529	511	548	.72
JAN , 1975									
07...	.01	.07	.35	.04	.01	573	564	484	.78
21...	.00	.03	.31	.03	.06	498	489	--	.68
FEB									
04...	.01	.10	.48	.03	.08	534	513	--	.73
18...	.00	.08	.31	.03	.04	514	497	555	.70
MAR									
04...	.01	.29	1.0	.02	.12	546	526	--	.74
17...	.01	.04	1.2	.03	.47	575	574	843	.78
APR									
04...	.00	.02	.39	.00	.03	570	549	639	.78
22...	.00	.02	.26	.04	.17	592	578	639	.81
MAY									
06...	.00	.02	.57	.02	.16	499	484	847	.68
20...	.00	.01	4.9	.01	.46	310	275	1550	.42
JUN									
05...	.00	.01	3.5	.03	.01	228	226	1440	.31
23...	.01	.04	.75	.01	.22	255	262	1650	.35
JUL									
10...	.01	.00	3.7	.02	.42	250	256	1460	.34
14...	.01	.04	4.1	.01	.28	279	267	1220	.38
AUG									
05...	.00	.00	.41	.03	.22	452	464	665	.61
SEP									
09...	.01	.00	.67	.00	.03	517	511	553	.70
OCT									
07...	.00	.00	.48	.00	.05	449	424	502	.61
21...	.00	.00	.21	.00	.04	454	428	527	.62
DEC									
02...	.02	.07	.20	.01	.02	510	502	403	.69
APR , 1976									
19...	--	--	--	--	--	--	--	--	--
20...	.00	.03	1.3	.00	.31	525	502	797	.71
MAY									
16...	.01	.01	2.1	.00	1.2	266	244	1240	.36
JUN									
15...	.00	.03	.76	.02	.08	288	285	879	.39
JUL									
14...	--	--	--	--	--	--	--	--	--
24...	.01	.01	.49	.01	.11	574	552	535	.78
AUG									
04...	--	--	--	--	--	--	--	--	--
19...	.00	.00	.14	.01	.05	560	547	464	.76
SEP									
21...	.00	.00	.35	.00	.05	516	525	376	.70

TABLE 5.—CONTINUED

09306400 WHITE RIVER ABOVE HELLS HOLE CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (UG/L)
AUG , 1974									
28...	--	204	280	76	46	2.9	8	--	--
SEP									
17...	--	217	320	100	36	2.1	13	0	1
OCT									
09...	--	185	270	85	31	1.5	0	0	1
22...	--	185	260	77	34	1.7	8	0	1
NOV									
13...	--	192	270	73	35	1.7	10	0	0
21...	20	200	270	71	38	2.0	0	1	0
DEC									
05...	20	228	320	90	35	1.9	8	1	1
17...	10	209	290	80	34	1.7	6	--	3
JAN , 1975									
07...	6	218	320	110	32	1.7	7	11	0
21...	20	197	270	70	34	1.7	4	4	2
FEB									
04...	20	203	280	74	34	1.8	8	3	10
18...	20	199	270	71	36	1.8	4	6	0
MAR									
04...	100	189	270	80	40	2.2	26	5	5
17...	400	195	320	120	35	1.9	32	9	5
APR									
04...	68	195	310	110	35	1.9	12	2	4
22...	38	206	310	110	37	2.0	13	1	5
MAY									
06...	170	177	270	91	35	1.8	15	2	4
20...	1200	127	170	45	27	1.0	140	1	4
JUN									
05...	540	119	150	29	23	.8	61	0	4
23...	150	126	170	48	21	.7	29	1	4
JUL									
10...	840	129	160	30	24	.8	110	9	9
14...	96	134	170	39	26	.9	24	1	4
AUG									
05...	46	193	270	80	30	1.4	13	0	2
SEP									
09...	1	182	260	82	37	1.9	9	0	1
OCT									
07...	2	147	240	97	33	1.6	17	0	1
21...	20	176	260	80	30	1.4	5	0	5
DEC									
02...	20	194	280	84	34	1.7	6	0	1
APR , 1976									
19...	--	--	--	--	--	--	--	--	--
20...	260	179	270	89	35	1.8	26	0	4
MAY									
16...	350	117	160	46	23	.8	--	--	2
JUN									
15...	45	138	180	42	25	.9	--	--	0
JUL									
14...	--	--	--	--	--	--	--	--	--
24...	65	230	330	96	31	1.6	8	0	7
AUG									
04...	--	--	--	--	--	--	--	--	--
19...	50	195	310	110	33	1.7	--	--	2
SEP									
21...	30	179	300	120	33	1.7	--	--	2

TABLE 5.--CONTINUED

09306400 WHITE RIVER ABOVE HELLS HOLE CANYON, NEAR WATSON, UTAH--CONTINUED

WATER-QUALITY DATA--CONTINUED

DATE	TIME	COLOR (PLATINUM-COBALT UNITS)	CYANIDE (CN) (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	METHYLENE BLUE ACTIVE SUB-STANCE (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)
AUG , 1974										
28...	0900	3	--	--	--	--	--	10	1	0
SEP										
17...	1530	7	.00	4.30	5.70	.03	5.5	10	2	0
OCT										
09...	1300	5	.00	1.00	.600	--	--	0	3	0
NOV										
13...	1200	5	.00	--	--	--	--	20	2	0
DEC										
05...	1100	8	.00	.800	.700	--	--	0	1	<100
JAN , 1975										
07...	1415	8	.00	1.50	3.20	--	2.1	0	1	59
FEB										
04...	1145	5	.00	1.90	2.70	--	--	0	4	<100
MAR										
04...	1130	20	.01	4.40	5.30	--	--	10	0	100
APR										
04...	1050	15	.00	1.60	1.40	.00	3.7	20	1	50
MAY										
06...	1200	10	.00	3.10	2.10	--	--	<10	1	0
JUN										
05...	1500	25	.00	13.0	2.30	--	--	30	0	0
JUL										
10...	1500	25	.00	--	--	--	39	20	1	100
AUG										
05...	1300	10	.00	.900	1.30	--	--	--	2	140
SEP										
09...	1335	4	.00	1.40	1.50	--	--	40	1	<200
OCT										
07...	1200	6	.00	1.50	.800	.00	3.6	10	1	<100
DEC										
02...	1400	5	.00	1.20	.800	--	--	20	0	0
APR , 1976										
20...	1130	20	.00	--	--	.00	--	20	1	0
MAY										
16...	1455	30	.00	--	--	--	--	30	1	--
JUN										
15...	1315	20	.00	--	--	--	--	0	0	--
JUL										
24...	1310	7	.00	--	--	.00	--	20	2	0
AUG										
19...	1135	5	.00	--	--	--	--	10	0	--
SEP										
21...	1225	5	.00	--	--	--	--	80	1	--

TABLE 5.—CONTINUED

09306400 WHITE RIVER ABOVE HELLS HOLE CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
AUG , 1974									
28...	120	0	0	0	1	20	1	25	0
SEP									
17...	100	0	0	0	2	20	2	25	0
OCT									
09...	50	<1	0	0	0	20	3	0	0
NOV									
13...	70	0	0	0	1	40	0	0	0
DEC									
05...	70	0	<10	1	1	10	1	<10	0
JAN , 1975									
07...	60	0	0	0	12	10	3	10	10
FEB									
04...	40	0	20	0	1	10	1	10	20
MAR									
04...	70	2	0	0	20	40	2	30	20
APR									
04...	70	0	0	0	4	10	0	30	0
MAY									
06...	40	0	0	0	2	30	0	20	0
JUN									
05...	40	0	0	0	2	60	0	0	0
JUL									
10...	60	0	0	1	2	50	1	0	10
AUG									
05...	45	0	8	<2	5	--	4	20	--
SEP									
09...	80	0	0	0	3	0	0	10	0
OCT									
07...	60	0	10	0	1	0	0	10	10
DEC									
02...	60	0	<10	0	6	0	0	10	0
APR , 1976									
20...	60	0	10	<10	4	30	0	10	10
MAY									
16...	50	--	--	--	--	20	--	--	10
JUN									
15...	60	--	--	--	--	0	--	--	0
JUL									
24...	60	0	0	<10	3	10	0	20	10
AUG									
19...	80	--	--	--	--	10	--	--	0
SEP									
21...	80	--	--	--	--	30	--	--	10

TABLE 5.—CONTINUED

09306400 WHITE RIVER ABOVE HELLS HOLE CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)
AUG , 1974									
28...	.0	5	<1	--	.8	0	--	--	--
SEP									
17...	.0	4	1	1	.4	20	--	--	--
OCT									
09...	.0	3	4	1	1.3	30	<7.1	4.6	3.7
NOV									
13...	.3	2	16	1	.0	180	<4.1	2.5	2.0
DEC									
05...	<.1	0	11	2	3.0	<10	6.8	3.5	2.8
JAN , 1975									
07...	.2	1	8	2	5.1	10	13	5.6	4.7
FEB									
04...	.0	2	0	1	.0	20	<8.0	2.8	2.4
MAR									
04...	.0	3	3	1	2.0	20	10	5.6	4.6
APR									
04...	.0	2	2	2	.8	6	12	3.5	2.9
MAY									
06...	.1	3	0	2	1.8	8	<8.4	4.0	3.2
JUN									
05...	.0	2	1	1	.8	0	3.7	3.4	2.7
JUL									
10...	.0	1	5	1	1.2	10	8.5	6.9	5.6
AUG									
05...	.0	6	12	1	10	30	--	--	--
SEP									
09...	.2	2	1	1	1.5	0	14	4.2	3.5
OCT									
07...	.0	3	3	0	2.1	10	8.5	<1.4	<1.1
DEC									
02...	.0	3	2	1	1.4	10	<5.8	3.7	2.9
APR , 1976									
20...	.0	1	4	1	1.6	0	9.9	8.9	7.0
MAY									
16...	--	--	--	--	--	--	--	--	--
JUN									
15...	--	--	--	--	--	--	--	--	--
JUL									
24...	.2	0	4	2	3.9	0	<4.8	3.9	3.2
AUG									
19...	--	--	--	--	--	--	--	--	--

TABLE 5.—CONTINUED

09306400 WHITE RIVER ABOVE HELLS HOLE CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
SEP , 1974										
17...	1530	0	--	--	--	0	1100	--	--	--
JAN , 1975										
07...	1415	<10	<10	<5	<10	0	1000	<10	<8	<18
APR										
04...	1050	<1	<4	<2	<5	0	970	<4	<4	<7
JUL										
10...	1500	0	<2	0	<2	0	410	<2	7	<3
AUG										
05...	1300	<1	<6	<2	<4	0	680	<6	--	--
OCT										
07...	1200	0	<3	<2	<6	0	820	<4	<2	<5
APR , 1976										
20...	1130	0	<10	<4	<10	<1	790	<10	<5	<20
MAY										
16...	1455	--	--	--	--	--	500	--	--	--
JUN										
15...	1315	--	--	--	--	--	700	--	--	--
JUL										
24...	1310	10	<15	<5	<20	<1	820	<10	<10	<20
AUG										
19...	1135	--	--	--	--	--	940	--	--	--
SEP										
21...	1225	--	--	--	--	--	970	--	--	--

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)
AUG , 1974								
28...	0900	.00	.00	.0	.00	.00	.00	.00
APR , 1975								
04...	1050	.00	.00	.0	.00	.00	.00	.00
OCT								
07...	1200	.00	.00	.0	.00	.00	.00	.00
APR , 1976								
20...	1130	.00	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL TOX-APHENE (UG/L)	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
AUG , 1974								
28...	.00	0	.00	.00	.0	.00	.00	.00
APR , 1975								
04...	.00	0	.00	.00	.0	.00	.00	.00
OCT								
07...	.00	0	.00	.00	.0	.00	.00	.00
APR , 1976								
20...	.00	0	.00	.00	.0	.00	.00	.00

TABLE 5.—CONTINUED

09306405 HELLS HOLE CANYON CREEK AT MOUTH, NEAR WATSON, UTAH

LOCATION.--LAT 39 58 24 , LONG 109 07 40 , IN NW1/4 SE1/4 SW1/4 SEC. 5, T.10 S., R.25 E., UINTAH COUNTY, ON RIGHT BANK 0.1 MILE (0.2 KM) UPSTREAM FROM MOUTH AND 6.5 MILES (10.5 KM) NORTH OF WATSON.

DRAINAGE AREA.--24.5 MI2 (63.5 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO JAN. 6, 1976, AND FEB. 24 TO SEPT. 30, 1976 (DISCONTINUED).
CHEMICAL ANALYSES: JULY 1975 TO SEPTEMBER 1975 (DISCONTINUED).

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 5,040 FT (1,536 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 473 FT3/S (13.4 M3/S) AUG. 12 (GAGE HEIGHT, 3.75 FT OR 1.143 M) FROM RATING CURVE EXTENDED ABOVE 88 FT3/S (2.49 M3/S) ON BASIS OF SLOPE-AREA MEASUREMENT OF PEAK FLOW; NO FLOW MOST OF YEAR.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE DURING PERIOD OF RECORD, 3.8 FT3/S (0.11 M3/S) MAY 10 (GAGE HEIGHT 2.04 FT OR 0.622 M); NO FLOW MOST OF YEAR.

REMARKS.--DISCHARGE: RECORDS POOR.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0	5.0		0		0	0	0
2					0	.31		0		0	0	0
3					0	0		0		0	0	0
4					0	0		0		0	0	0
5					0	0		0		0	0	0
6					0	0		0		0	0	0
7					0	0		0		0	0	0
8					0	0		0		0	0	0
9					0	0		0		0	0	0
10					0	0		0		0	0	4.8
11					0	0		0		0	0	0
12					0	0		0		0	3.1	0
13					0	0		0		0	0	0
14					0	0		0		0	.14	15
15					0	0		0		0	.03	3.0
16					0	0		0		1.5	0	0
17					0	0		0		.02	0	0
18					0	0		0		0	0	0
19					0	0		0		0	0	0
20					0	0		0		0	0	0
21					0	0		0		0	0	0
22					0	0		0		0	0	0
23					0	0		0		0	0	0
24					0	0		0		0	0	0
25					0	0		0		0	0	0
26					0	0		0		0	0	0
27					0	0		0		0	0	0
28					6.9	0		0		0	0	0
29					---	0		2.1		0	0	0
30					---	0		0		0	0	0
31		---			---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	6.9	5.31	0	2.1	0	1.52	3.27	22.8
MEAN	0	0	0	0	.25	.17	0	.068	0	.049	.11	.76
MAX	0	0	0	0	6.9	5.0	0	2.1	0	1.5	3.1	15
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	14	11	0	4.2	0	3.0	6.5	45

WTR YR 1975 TOTAL 41.90 MEAN .11 MAX 15 MIN 0 AC-FT 83

TABLE 5.—CONTINUED

09306405 HELLS HOLE CANYON CREEK AT MOUTH, NEAR WATSON, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				0	---	.01		0	0	.65	0	0
2				0	---	0		0	0	0	0	0
3				0	---	0		0	0	0	0	0
4				0	---	0		0	0	0	0	0
5				0	---	0		0	0	0	0	0
6				0	---	0		0	0	0	0	.40
7				---	---	0		0	0	0	0	0
8				---	---	0		0	0	0	.40	0
9				---	---	0		0	0	0	0	0
10				---	---	0		.61	0	0	0	0
11				---	---	0		0	0	0	0	0
12				---	---	0		0	0	0	0	.40
13				---	---	0		0	0	0	0	0
14				---	---	0		0	0	0	0	0
15				---	---	0		0	0	0	0	0
16				---	---	0		0	0	0	0	0
17				---	---	0		0	0	0	0	0
18				---	---	0		0	0	0	0	0
19				---	---	0		0	0	0	0	0
20				---	---	0		0	0	0	0	0
21				---	---	0		0	0	0	0	0
22				---	---	0		.16	.40	0	0	0
23				---	---	0		.01	.60	0	0	0
24				---	0	0		0	0	0	0	.38
25				---	0	0		0	0	0	0	.60
26				---	0	0		0	0	0	0	0
27				---	.39	0		0	0	0	0	0
28				---	.13	0		0	0	0	0	0
29				---	.11	0		0	0	0	0	0
30				---	---	0		0	0	0	0	0
31		---		---	---	0	---	0	---	0	0	---
TOTAL	0	0	0	---	---	.01	0	.78	1.00	.65	.40	1.78
MEAN	0	0	0	---	---	.0003	0	.025	.033	.021	.013	.059
MAX	0	0	0	---	---	.01	0	.61	.60	.65	.40	.60
MIN	0	0	0	---	---	0	0	0	0	0	0	0
AC-FT	0	0	0	---	---	.02	0	1.5	2.0	1.3	.8	3.5

CAL YR 1975 TOTAL 41.90 MEAN .11 MAX 15 MIN 0 AC-FT 83

TABLE 5.—CONTINUED

09306405 HELLS HOLE CANYON CREEK AT MOUTH, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JUL , 1975										
16...	1515	16	--	2020	15	260	38	160	11	231
AUG										
18...	1800	--	--	718	7.5	84	19	39	7.0	113
SEP										
10...	--	39	20.0	2670	14	470	57	170	18	113

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SULFIDE (S) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
JUL , 1975										
16...	950	9.0	.4	--	.04	--	--	--	.00	--
AUG										
18...	260	4.1	.4	.2	.89	.12	.00	1.5	.00	.07
SEP										
10...	1600	12	.4	.2	1.5	.21	.00	1.2	.00	.03

DATE	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
JUL , 1975										
16...	--	1560	69.1	2.12	--	189	810	620	30	2.5
AUG										
18...	500	482	--	.68	190	93	290	200	22	1.0
SEP										
10...	2520	2410	265	3.43	1	93	1400	1300	21	2.0

DATE	DISSOLVED ALUMINUM (AL) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LITHIUM (LI) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	DISSOLVED STRONTIUM (SR) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
JUL , 1975										
16...	--	--	210	--	420	--	--	--	--	--
AUG										
18...	0	1	90	17	70	10	.0	2	890	130
SEP										
10...	40	2	330	27	30	60	.0	0	3500	110

TABLE 5.—CONTINUED

09306410 EVACUATION CREEK ABOVE MISSOURI CREEK, NEAR DRAGON, UTAH

LOCATION.--LAT 39 48 04 , LONG 109 04 26 , IN SW1/4 SW1/4 SW1/4 SEC. 1, T.12 S., R.25 E., UINTAH COUNTY, ON RIGHT BANK 0.5 MILE (0.8 KM) UPSTREAM FROM MISSOURI CREEK AND 0.8 MILE (1.3 KM) NORTH OF DRAGON.

DRAINAGE AREA.--100 MI2 (259 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO CURRENT YEAR.
CHEMICAL ANALYSES: OCTOBER 1974 TO CURRENT YEAR.
WATER TEMPERATURES: OCTOBER 1975 TO CURRENT YEAR.

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 5,680 FT (1,731 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 207 FT3/S (5.86 M3/S) SEPT. 14 (GAGE HEIGHT, 5.53 FT OR 1.686 M) FROM RATING CURVE EXTENDED ABOVE 10 FT3/S (0.28 M3/S) ON BASIS OF SLOPE-AREA MEASUREMENT OF PEAK FLOW; MINIMUM DAILY, 0.22 FT3/S (0.006 M3/S) DEC. 20-27.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 331 FT3/S (9.37 M3/S) MAY 9 (GAGE HEIGHT, 6.16 FT OR 1.878 M); MINIMUM DAILY 0.10 FT3/S (0.003 M3/S) AUG. 8.
WATER TEMPERATURES: MAXIMUM RECORDED, 34.0 C ON JULY 11; MINIMUM, FREEZING POINT ON MANY DAYS.

REMARKS.--DISCHARGE: RECORDS FAIR.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.23	.26	.30	.30	.30	1.0	3.7	1.6	11	1.1	.28	.28
2	.23	.27	.30	.30	.30	.52	2.0	1.5	6.6	1.1	.28	.28
3	.23	.26	.30	.30	.30	.80	2.6	1.4	2.5	1.1	.28	.28
4	.25	.26	.30	.30	.30	.90	6.3	1.4	1.7	1.0	.28	.28
5	.27	.26	.30	.30	.30	.80	1.4	3.2	1.3	.96	.28	.28
6	.27	.26	.27	.30	.30	.87	1.5	2.5	.74	.94	.28	.30
7	.27	.26	.24	.30	.30	.37	1.5	2.5	.91	.94	.28	.30
8	.26	.26	.30	.30	.30	.26	1.4	2.1	5.0	.93	.28	.37
9	.26	.26	.30	.30	.30	.51	1.2	1.7	2.4	7.5	.28	.44
10	.26	.26	.30	.30	.30	.65	1.4	1.4	2.6	2.8	.28	.44
11	.26	.26	.30	.30	.30	.87	1.5	1.2	1.9	.80	.28	.40
12	.26	.26	.30	.30	.30	.78	1.5	1.1	1.5	.37	.28	.30
13	.26	.26	.28	.30	.30	.41	1.6	1.0	1.4	.33	.28	.86
14	.26	.26	.26	.30	.30	.44	1.7	.93	1.1	6.9	.28	3.0
15	.26	.28	.23	.30	.30	.41	1.8	.86	1.2	1.7	.28	1.8
16	.26	.31	.22	.30	.29	.38	1.9	.79	1.2	4.8	.28	.44
17	.26	.30	.25	.30	.29	.87	2.1	1.1	1.2	2.8	.28	.44
18	.26	.30	.25	.30	.30	.44	2.2	1.3	1.3	1.8	.28	.37
19	.26	.29	.27	.30	.30	.41	1.5	2.0	2.0	1.3	.23	.37
20	.25	.30	.22	.30	.30	.46	1.3	1.9	1.6	.90	.28	.37
21	.26	.30	.22	.30	.30	.44	1.3	2.8	1.9	.60	.28	.37
22	.27	.30	.22	.30	.30	.52	1.7	2.5	1.9	.30	.28	.37
23	.29	.30	.22	.29	.30	.87	1.8	2.4	1.6	.30	.26	.37
24	.26	.30	.22	.25	.30	.63	1.7	2.0	1.5	.30	.26	.30
25	.26	.30	.22	.24	.25	.63	1.7	1.7	1.4	.30	.28	.37
26	.26	.30	.22	.24	.36	1.4	2.0	1.6	1.4	.30	.28	.30
27	.26	.30	.22	.24	.25	1.3	1.9	1.5	1.3	.30	.28	.37
28	.26	.29	.24	.30	.26	1.9	1.9	25	1.2	.30	.28	.37
29	.27	.30	.30	.30	---	1.6	1.7	31	1.2	.30	.28	.37
30	.26	.30	.30	.30	---	1.6	1.8	19	1.2	.30	.28	.37
31	.26	---	.30	.30	---	1.1	---	14	---	.30	.28	---
TOTAL	8.03	8.42	8.17	9.06	8.30	24.14	57.6	134.98	63.75	43.67	8.59	15.16
MEAN	.26	.28	.26	.29	.30	.78	1.92	4.35	2.13	1.41	.28	.51
MAX	.29	.31	.30	.30	.36	1.9	6.3	31	11	7.5	.28	3.0
MIN	.23	.26	.22	.24	.25	.26	1.2	.79	.74	.30	.23	.28
AC-FT	16	17	16	18	16	48	114	268	126	87	17	30

WTR YR 1975 TOTAL 389.87 MEAN 1.07 MAX 31 MIN .22 AC-FT 773

TABLE 5.—CONTINUED

09306410 EVACUATION CREEK ABOVE MISSOURI CREEK, NEAR DRAGON, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.27	.28	.30	.20	.42	1.2	.34	1.7	2.0	.41	.36	.31
2	.28	.26	.51	.20	.36	1.6	.86	1.7	1.7	.36	.56	.31
3	.28	.24	.44	.20	.93	2.0	.91	1.7	1.6	.31	.36	.27
4	.32	.24	1.2	.20	.28	.69	.07	1.7	1.4	.31	.23	.19
5	.32	.24	.44	.20	.30	.86	2.0	1.6	1.2	.31	.19	.19
6	.32	.23	.37	.20	.86	1.3	2.2	1.8	1.0	.31	.16	.19
7	.38	.22	.37	.22	.28	.56	2.0	2.1	.80	.36	.12	.23
8	.41	.23	.37	.22	.30	.41	1.8	3.3	.60	6.3	.10	.23
9	.41	.23	.42	.23	67	.43	1.7	14	.50	.41	.56	.25
10	.40	.24	1.2	.25	52	.44	1.6	3.8	.41	.36	.36	.27
11	.35	.72	.35	.25	22	.45	1.6	3.3	.46	.36	.27	.23
12	.35	1.0	.34	.24	21	1.4	1.6	2.8	.46	.36	.19	.23
13	.37	1.1	.34	.24	18	.41	1.6	2.4	.51	.36	.16	.27
14	.36	.87	.30	.25	4.3	.69	1.7	2.4	.56	.36	.19	.31
15	.36	.71	.30	.25	5.8	1.8	2.0	2.4	.51	.31	.19	.31
16	.35	.76	.30	.25	5.2	1.0	1.8	2.4	.41	.31	.19	.27
17	.32	.39	.30	.27	4.0	.41	2.1	2.6	.51	.31	.19	.23
18	.31	.57	.30	.27	1.8	.40	2.6	2.8	.51	2.6	.23	.23
19	.30	.58	.30	.27	3.3	1.4	3.0	2.8	.46	2.6	.21	.23
20	.30	1.2	.30	.33	2.6	.42	2.6	2.4	.41	1.0	.19	.19
21	.31	.75	.30	.37	4.3	1.1	2.2	3.6	.41	.40	.19	.19
22	.32	1.5	.30	.37	4.3	.59	2.1	4.0	.56	.40	.41	.67
23	.33	1.2	.30	.43	3.3	.44	1.8	4.0	.77	.40	.23	.46
24	.40	1.5	.30	.43	.70	.45	1.7	3.6	.51	.40	.16	8.0
25	.65	1.8	.30	.43	.80	.45	1.7	3.0	.41	2.1	.19	.51
26	.29	1.4	.20	.44	.70	.41	2.0	2.2	.41	.50	.23	.36
27	.31	1.4	.20	.43	.80	.40	2.1	2.2	.36	.40	.23	.23
28	.28	.83	.20	.43	.70	.39	1.8	2.0	.36	.40	.27	.36
29	.28	.30	.20	.42	.60	1.3	1.7	1.8	.36	.40	.27	.41
30	.27	.28	.20	.47	---	1.5	1.7	1.8	.31	.41	.27	.41
31	.31	---	.20	.46	---	1.0	---	2.2	---	.41	.31	---
TOTAL	10.51	21.27	11.45	9.42	226.93	25.90	52.88	90.1	20.47	24.23	7.77	16.54
MEAN	.34	.71	.37	.30	7.83	.84	1.76	2.91	.68	.78	.25	.55
MAX	.65	1.8	1.2	.47	67	2.0	3.0	14	2.0	6.3	.56	8.0
MIN	.27	.22	.20	.20	.28	.39	.07	1.6	.31	.31	.10	.19
AC-FT	21	42	23	19	450	51	105	179	41	48	15	33

CAL YR 1975 TOTAL 408.48 MEAN 1.12 MAX 31 MIN .20 AC-FT 810
WTR YR 1976 TOTAL 517.47 MEAN 1.41 MAX 67 MIN .07 AC-FT 1030

TABLE 5.—CONTINUED

09306410 EVACUATION CREEK ABOVE MISSOURI CREEK, NEAR DRAGON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
OCT , 1974											
03...	1530	--	12.0	3000	7.6	--	11	110	150	640	4.1
NOV											
15...	1420	.30	11.5	3800	8.1	--	10	120	130	620	3.9
DEC											
11...	1200	.31	4.5	3800	7.6	--	10	110	140	640	2.7
JAN , 1975											
20...	1030	.34	2.0	3800	8.6	10.3	11	110	140	620	3.8
FEB											
20...	1250	.30	7.5	3800	8.2	8.5	10	110	140	660	3.8
MAR											
21...	1150	.34	14.5	3800	8.4	7.3	10	120	150	660	4.4
APR											
18...	1330	1.4	8.0	3400	8.3	7.7	11	110	130	560	4.4
MAY											
07...	1230	2.3	9.0	3400	8.4	9.2	9.5	120	96	580	4.5
JUN											
03...	1200	2.4	20.0	2650	8.4	7.2	13	98	120	400	4.2
JUL											
11...	1400	.43	30.0	3600	7.9	6.5	13	120	130	610	5.4
AUG											
19...	1415	.22	26.0	3800	8.4	7.5	12	110	160	680	4.9
SEP											
11...	1130	.30	21.3	4000	8.3	7.5	11	110	160	650	4.6
OCT											
08...	1200	.39	10.5	3800	8.3	8.0	9.8	110	140	650	3.7
NOV											
05...	1300	.27	13.0	3810	7.8	8.5	9.3	110	130	650	3.8
DEC											
03...	1300	.48	5.5	3700	8.3	9.0	10	120	130	620	3.5
JAN , 1976											
06...	1500	.20	4.0	3780	8.1	10.2	9.6	110	140	640	3.8
FEB											
13...	1830	6.2	.0	2250	8.2	11.2	7.1	85	83	320	5.0
APR											
05...	1300	1.8	13.5	3250	8.4	8.3	11	100	130	520	3.7
MAY											
06...	1400	2.6	10.5	2600	8.1	8.4	--	--	--	--	--
JUL											
06...	1400	.20	27.5	3700	7.5	7.7	--	--	--	--	--
AUG											
20...	1600	.30	28.0	4000	8.0	7.0	--	--	--	--	--
SEP											
23...	1230	.25	26.0	3600	8.2	6.8	--	--	--	--	--

TABLE 5.—CONTINUED

09306410 EVACUATION CREEK ABOVE MISSOURI CREEK, NEAR DRAGON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DISSOLVED SULFIDE (S) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT , 1974											
03...	540	0	1700	25	.6	--	.2	.02	.00	.03	.32
NOV											
15...	538	0	1600	26	.6	--	.0	.01	.00	.03	.48
DEC											
11...	518	0	1700	26	.6	--	.2	.03	.00	.03	.22
JAN , 1975											
20...	542	0	1800	26	.6	--	.8	.05	.01	.01	.17
FEB											
20...	543	0	1800	27	.6	--	.1	.04	.00	.01	.13
MAR											
21...	540	0	1500	28	.7	--	.2	.07	.00	.01	.25
APR											
18...	499	0	1500	23	.5	--	.0	.11	.02	.02	.31
MAY											
07...	511	0	1600	23	.5	--	.1	.25	.01	.02	5.7
JUN											
03...	423	21	1200	17	.4	--	.1	.14	.04	.01	6.7
JUL											
11...	488	0	1700	26	.6	--	.0	.07	.01	.00	1.0
AUG											
19...	508	0	1800	26	.7	--	--	.02	.00	.00	.12
SEP											
11...	513	0	1800	26	.6	.2	.0	1.0	.00	.00	1.0
OCT											
08...	538	0	1800	25	.6	--	--	.00	.00	.00	.14
NOV											
05...	510	0	1700	26	.6	--	.0	.01	.00	.02	.13
DEC											
03...	523	0	1700	25	.6	.2	.0	.18	.01	.00	.20
JAN , 1976											
06...	537	0	1700	26	.5	--	--	.04	.00	.03	.40
FEB											
13...	390	0	930	14	.3	--	--	.34	--	--	--
APR											
05...	508	0	1400	19	.5	.2	.3	.12	.00	.03	--
MAY											
06...	--	--	--	--	--	--	--	--	--	--	--
JUL											
06...	--	--	--	--	--	--	--	--	--	--	--
AUG											
20...	--	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM
OCT , 1974											
03...	.00	.08	3100	2910	--	4.22	--	443	900	450	61
NOV											
15...	.01	.05	3080	2780	2.49	4.19	--	441	840	400	62
DEC											
11...	.01	.03	2980	2890	2.49	4.05	--	425	850	430	62
JAN , 1975											
20...	.01	.03	3000	2980	2.75	4.08	2	445	850	410	61
FEB											
20...	.00	.02	3050	3020	2.47	4.15	1	445	850	410	63
MAR											
21...	.04	.02	3010	2740	2.76	4.09	10	443	920	480	61
APR											
18...	.04	.48	2700	2590	10.2	3.67	350	409	810	400	60
MAY											
07...	.00	.91	2750	2690	17.4	3.74	3400	419	700	280	64
JUN											
03...	.03	.01	2160	2090	14.3	2.94	1100	382	740	360	54
JUL											
11...	.01	.78	2870	2850	3.33	3.90	400	400	840	440	61
AUG											
19...	.01	.00	3100	3050	1.84	4.22	14	417	940	520	61
SEP											
11...	.01	.01	2960	3020	2.40	4.03	0	421	930	510	60
OCT											
08...	.00	.00	3010	3010	3.19	4.09	2	441	850	410	62
NOV											
05...	.00	.04	2990	2880	2.18	4.07	7	418	810	400	63
DEC											
03...	.01	.00	2980	2870	3.86	4.05	20	429	840	410	62
JAN , 1976											
06...	.02	.01	--	2900	1.57	3.94	10	440	850	410	62
FEB											
13...	.00	--	--	1640	27.8	2.23	--	320	550	230	55
APR											
05...	.00	.06	2560	2440	12.4	3.48	1300	417	790	370	59
MAY											
06...	--	--	--	--	--	--	--	--	--	--	--
JUL											
06...	--	--	--	--	--	--	--	--	--	--	--
AUG											
20...	--	--	--	--	--	--	--	--	--	--	--

TABLE 5.—CONTINUED

09306410 EVACUATION CREEK ABOVE MISSOURI CREEK, NEAR DRAGON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	SODIUM AD-SORP-TION RATIO	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT , 1974											
03...	9.3	130	2	150	2	40	30	.0	2	3100	10
NOV											
15...	9.3	--	2	150	6	10	30	.0	2	3200	110
DEC											
11...	9.5	--	0	150	1	30	40	<.1	2	3000	40
JAN , 1975											
20...	9.3	0	1	160	2	50	30	.0	3	3100	10
FEB											
20...	9.8	10	0	160	7	30	30	.0	0	3000	20
MAR											
21...	9.5	10	0	200	8	30	20	.1	1	2900	7
APR											
18...	8.6	30	0	150	3	40	40	.0	2	3100	20
MAY											
07...	9.6	20	1	150	5	40	30	.0	2	2800	0
JUN											
03...	6.4	30	1	120	4	30	20	.2	2	2700	0
JUL											
11...	9.2	30	1	170	2	10	30	.0	2	3000	90
AUG											
19...	9.7	0	1	160	2	30	40	.0	3	3200	10
SEP											
11...	9.3	30	1	90	1	0	30	.0	2	--	10
OCT											
08...	9.7	10	1	170	21	50	40	.0	2	3100	20
NOV											
05...	9.9	0	1	180	2	30	40	.0	4	3100	10
DEC											
03...	9.3	40	0	370	6	10	30	.0	2	--	10
JAN , 1976											
06...	9.5	10	--	170	--	10	30	--	--	3000	--
FEB											
13...	5.9	--	--	120	--	30	--	--	--	--	--
APR											
05...	8.1	30	0	130	2	30	30	.0	2	2600	10
MAY											
06...	--	--	--	--	--	--	--	--	--	--	--
JUL											
06...	--	--	--	--	--	--	--	--	--	--	--
AUG											
20...	--	--	--	--	--	--	--	--	--	--	--

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	OIL AND GREASE (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL IN-ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT , 1974											
03...	1530	3	8	--	3.3	15	--	0	1.60	1.50	.04
JAN , 1975											
20...	1030	0	4	--	7.6	--	--	6	2.20	5.40	.00
APR											
18...	1330	3	23	--	9.4	--	--	6	1.60	1.00	--
JUL											
11...	1400	7	12	--	9.1	--	--	2	--	--	--
SEP											
11...	1130	1	8	1	--	--	.00	1	1.40	1.00	--
OCT											
08...	1200	3	9	--	2.8	--	--	0	--	--	.20
DEC											
03...	1300	4	6	0	--	--	.00	2	1.30	.600	--
JAN , 1976											
06...	1500	4	--	--	--	--	--	--	4.10	3.30	--
APR											
05...	1300	9	--	--	18	135	--	2	--	--	--

TABLE 5.—CONTINUED

09306410 EVACUATION CREEK ABOVE MISSOURI CREEK, NEAR DRAGON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)
OCT , 1974												
03...	1530	28	<4	<17	<55	<17	<8	<8	<17	<17	18	<4
SEP , 1975												
11...	1130	<200	--	--	0	20	0	--	--	0	10	8
OCT												
08...	1200	--	--	--	--	--	--	--	--	--	--	--
DEC												
03...	1300	0	--	--	0	<10	1	--	--	1	20	8
JAN , 1976												
06...	1500	--	--	--	--	--	--	--	--	--	30	--
FEB												
13...	1830	--	--	--	--	--	--	--	--	--	0	--
APR												
05...	1300	0	--	--	0	0	--	--	--	0	0	7

DATE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED NATURAL URANIUM (U) (UG/L)	DIS-SOLVED URANIUM (U) (UG/L)
OCT , 1974												
03...	<8	<2	<17	<8	<8.0	<25	<37	9.6	8.3	.06	7.1	--
SEP , 1975												
11...	1	--	--	--	.2	--	71	20	17	--	--	--
OCT												
08...	--	--	--	--	--	--	<37	<7.4	<6.4	.06	--	8.1
DEC												
03...	3	--	--	--	.4	--	<32	300	230	--	--	--
JAN , 1976												
06...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
13...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
05...	--	--	--	--	.7	--	<29	12	9.7	--	--	--

DATE	TOTAL ENDRIN (UG/L)	TOTAL TOX-APHENE (UG/L)	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT , 1974								
03...	.00	0	.00	.00	.0	.00	.00	.00
APR , 1975								
18...	.00	0	.00	.00	.0	.00	.00	.00
OCT								
08...	.00	0	.00	.00	.0	.00	.00	.00

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)
OCT , 1974								
03...	1530	.00	.00	.0	.00	.00	.00	.00
APR , 1975								
18...	1330	.00	.00	.0	.00	.00	.00	.00
OCT								
08...	1200	.00	.00	.0	.00	.00	.00	.00

TABLE 5.—CONTINUED

09306410 EVACUATION CREEK ABOVE MISSOURI CREEK, NEAR DRAGON, UTAH—CONTINUED

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

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

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.5	0.0	22.5	2.0	27.0	6.5	---	---	28.0	15.0	28.0	7.0
2	18.0	0.0	22.0	2.5	26.0	6.5	---	---	25.5	13.5	27.0	6.5
3	19.0	0.0	19.0	4.0	22.5	7.5	---	---	28.0	12.0	27.5	7.0
4	20.0	1.0	21.0	6.5	26.0	6.5	---	---	28.0	10.5	26.0	7.0
5	13.5	2.0	22.5	5.5	27.5	6.0	---	---	29.0	7.5	24.5	7.5
6	15.0	1.0	14.5	7.5	25.0	7.0	30.0	---	27.0	7.5	19.0	12.0
7	14.5	3.5	19.5	8.0	25.5	8.5	24.0	10.5	27.5	7.5	25.0	11.5
8	20.5	2.0	18.5	8.0	27.0	8.0	28.5	10.5	29.0	11.0	25.0	8.0
9	20.0	2.0	25.5	8.0	27.0	8.0	32.0	11.0	25.5	10.0	25.5	6.5
10	21.0	0.5	22.5	6.0	25.5	7.0	33.0	11.0	25.5	8.5	23.5	9.0
11	20.5	1.0	19.0	6.5	24.5	6.5	34.0	11.0	23.5	10.0	25.5	11.0
12	17.0	2.0	21.5	3.5	24.5	6.5	31.5	12.5	28.5	9.0	25.0	8.5
13	18.0	3.5	25.0	3.5	15.5	7.0	32.0	11.5	25.0	10.5	25.5	7.5
14	15.0	4.0	28.0	6.0	25.0	4.5	31.5	9.5	25.5	7.5	25.0	9.5
15	19.0	3.5	22.5	6.5	27.5	5.0	30.5	8.5	23.5	8.0	26.0	7.5
16	17.0	4.0	25.0	4.0	18.5	8.0	29.5	8.5	25.5	7.5	25.5	8.5
17	16.5	3.0	26.5	5.0	24.5	8.0	28.5	11.5	22.5	8.5	24.5	7.5
18	13.5	3.0	24.0	7.0	26.5	6.0	28.0	12.5	27.5	9.5	24.5	6.5
19	16.0	3.5	18.5	10.0	28.0	6.5	29.5	15.0	28.0	10.5	26.0	5.5
20	20.5	2.0	21.0	11.0	---	---	28.5	13.5	25.5	10.0	25.5	6.0
21	18.5	4.0	16.5	10.0	---	---	30.5	10.5	28.5	9.0	22.5	5.5
22	16.0	3.5	18.5	8.5	---	---	31.0	10.0	27.5	9.5	24.5	10.5
23	19.5	4.0	23.5	8.5	---	---	28.5	10.0	27.5	12.5	23.5	6.5
24	22.5	1.0	22.0	8.5	---	---	30.5	10.5	29.5	9.0	19.5	11.0
25	20.5	4.5	24.0	5.5	---	---	22.5	12.0	27.5	8.0	23.0	8.0
26	11.5	0.0	26.0	5.5	---	---	30.5	12.5	24.5	9.5	20.5	8.5
27	21.0	0.5	24.5	6.5	---	---	31.0	11.0	27.0	7.5	---	---
28	22.0	1.5	23.5	7.5	---	---	29.0	10.0	26.0	6.5	---	---
29	21.0	4.5	22.0	7.0	---	---	25.0	14.0	25.5	7.0	---	---
30	19.5	4.0	22.5	6.5	---	---	29.5	12.5	28.0	8.5	---	---
31	---	---	23.0	5.5	---	---	30.5	14.0	24.5	8.0	---	---
MONTH	22.5	0.0	28.0	2.0	---	---	34.0	8.5	29.5	6.5	28.0	5.5
YEAR	34.0	0.0										

TABLE 5.—CONTINUED

09306415 EVACUATION CREEK BELOW PARK CANYON, NEAR WATSON, UTAH

LOCATION.--LAT 39 50 44 , LONG 109 07 48 , IN SW1/4 NW1/4 SW1/4 SEC. 21, T.11 S., R.25 E., UINTAH COUNTY, ON RIGHT BANK 0.4 MILE (0.6 KM) DOWNSTREAM FROM PARK CANYON AND 3.0 MILES (4.8 KM) SOUTHEAST OF WATSON.

DRAINAGE AREA.--246 MI2 (637 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO SEPTEMBER 1975 (DISCONTINUED).
CHEMICAL ANALYSES: NOVEMBER 1974 TO DECEMBER 1975 (DISCONTINUED).

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 5,500 FT (1,676 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 420 FT3/S (11.9 M3/S) JULY 16 (GAGE HEIGHT, 4.11 FT OR 1.253 M); NO FLOW FOR SEVERAL DAYS DURING AUGUST AND SEPTEMBER.

REMARKS.--DISCHARGE: RECORDS FAIR EXCEPT THOSE FOR PERIOD OF NO GAGE-HEIGHT RECORD AND THOSE DURING WINTER PERIOD, WHICH ARE POOR.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.20	.20	.22	.20	.10	10	1.3	1.4	1.3	.38	.66	0
2	.20	.23	.22	.20	.10	15	.66	1.2	1.5	.30	.21	0
3	.20	.23	.20	.20	.10	16	.86	1.0	.62	.30	.12	0
4	.20	.25	.20	.20	.10	6.7	14	.92	1.7	.24	.09	0
5	.20	.20	.20	.20	.10	3.1	8.1	1.9	1.5	.24	.06	0
6	.20	.20	.20	.20	.10	2.8	4.3	2.8	1.2	.21	.03	0
7	.20	.20	.20	.20	.10	1.9	2.9	2.6	1.1	.21	0	0
8	.20	.24	.20	.20	.10	1.8	1.9	1.9	4.0	3.2	0	0
9	.20	.23	.20	.20	.10	1.6	1.7	1.7	1.9	.30	0	.18
10	.20	.22	.20	.20	.10	1.8	1.1	1.3	2.9	.30	.15	9.7
11	.20	.23	.20	.20	.10	2.2	1.1	.94	1.7	.30	.54	2.2
12	.20	.19	.20	.20	.10	1.4	1.0	.70	.70	.24	.15	.46
13	.20	.12	.20	.20	.10	.66	1.0	.70	.66	1.8	.66	.46
14	.20	.13	.20	.20	.10	.31	1.1	.62	.58	7.2	1.5	2.7
15	.20	.14	.20	.20	.10	.22	1.2	.58	.58	3.5	.50	5.0
16	.20	.13	.20	.20	.10	.18	1.5	.58	.62	.38	.34	6.2
17	.20	.14	.20	.20	.10	.75	1.9	.66	.62	1.3	.21	.18
18	.20	.16	.20	.20	.10	.27	1.7	1.4	.66	1.3	.12	.06
19	.20	.15	.20	.20	.10	.28	1.7	2.7	1.7	.54	0	.06
20	.20	.13	.20	.20	.10	.28	1.4	2.9	.82	.54	.03	.06
21	.20	.22	.20	.20	.10	.30	1.2	9.0	2.2	.18	0	.06
22	.20	.23	.20	.20	.10	.27	1.7	7.2	1.9	.18	.03	.03
23	.20	.24	.20	.20	.10	.16	1.8	5.9	1.4	.20	0	0
24	.20	.17	.20	.20	.10	.15	1.7	4.5	1.2	.20	0	0
25	.20	.24	.20	.20	.10	.09	1.5	2.7	1.2	.20	0	0
26	.20	.25	.20	.20	.10	.61	2.1	2.7	1.1	.20	0	0
27	.20	.20	.20	.20	.10	1.3	1.9	3.2	.62	.20	0	0
28	.20	.20	.20	.20	.10	.41	1.8	68	.50	.20	0	0
29	.20	.21	.20	.20	---	.17	1.7	43	.46	.20	0	0
30	.20	.22	.20	.20	---	.57	1.7	14	.38	.27	0	0
31	.20	---	.20	.20	---	.36	---	.94	---	.82	0	---
TOTAL	6.20	5.90	6.24	6.20	2.80	71.64	67.52	189.64	37.32	25.63	5.40	27.35
MEAN	.20	.20	.20	.20	.10	2.31	2.25	6.12	1.24	.83	.17	.91
MAX	.20	.25	.22	.20	.10	16	14	68	4.0	7.2	1.5	9.7
MIN	.20	.12	.20	.20	.10	.09	.66	.58	.38	.18	0	0
AC-FT	12	12	12	12	5.6	142	134	376	74	51	11	54

WTR YR 1975 TOTAL 451.84 MEAN 1.24 MAX 68 MIN 0 AC-FT 896

NOTE.--NO GAGE-HEIGHT RECORD OCT. 1-31.

TABLE 5.—CONTINUED

09306415 EVACUATION CREEK BELOW PARK CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
NOV , 1974										
14...	1600	.14	8.0	4400	8.1	--	9.4	160	160	700
21...	1230	.24	6.2	3990	--	--	27	160	140	590
DEC										
04...	1545	.17	--	3400	8.3	--	11	170	170	650
17...	1430	.44	.6	4170	--	--	11	170	170	660
JAN , 1975										
08...	1130	--	.0	4110	8.2	11.0	15	200	190	640
MAR										
05...	1222	3.4	.0	3800	8.1	10.0	9.3	150	150	640
17...	--	.40	2.1	4540	--	--	10	160	180	660
APR										
08...	1200	2.7	7.5	4000	8.3	8.3	9.5	140	150	640
22...	1150	2.0	16.2	2900	--	8.0	10	110	110	490
MAY										
07...	1440	2.9	11.5	3400	8.5	8.6	10	130	140	650
20...	1200	3.3	17.7	4000	8.1	5.0	11	120	160	640
JUN										
04...	1045	1.7	18.5	3700	8.3	8.1	12	130	140	690
23...	1100	1.0	21.0	3430	8.7	3.8	12	120	140	610
JUL										
11...	1530	.30	31.4	4500	8.2	6.2	15	160	170	770
23...	0900	.92	--	2250	8.2	--	10	190	69	290
AUG										
06...	1330	.08	25.0	4500	8.3	8.9	13	150	170	790
19...	--	.06	21.2	4490	9.2	--	14	140	170	730
SEP										
11...	1700	.91	22.3	2310	8.4	7.2	8.3	130	64	320
OCT										
08...	1500	.03	18.0	5600	8.3	8.1	12	180	200	760
20...	1045	.01	2.5	4240	7.1	--	11	180	170	660
NOV										
05...	1330	.20	16.0	4300	7.7	8.8	10	170	160	710
DEC										
03...	1530	.08	.0	4400	7.6	10.1	13	170	160	700

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DISSOLVED SULFIDE (S) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)
NOV , 1974									
14...	1.4	468	0	2000	36	1.1	.2	.0	6.5
21...	5.9	439	0	1800	35	2.1	.2	.0	.03
DEC									
04...	5.4	493	0	1900	36	.9	.3	.0	8.8
17...	3.8	507	0	2000	39	1.0	.3	.2	8.0
JAN , 1975									
08...	5.4	572	0	2000	43	1.3	.3	2.3	4.8
MAR									
05...	5.8	461	0	1900	30	.6	.2	.0	2.1
17...	6.2	475	0	2000	36	.9	.2	.1	5.0
APR									
08...	8.0	467	0	1900	31	.4	.1	.0	.97
22...	5.2	423	0	1400	23	.5	.2	.1	.80
MAY									
07...	5.0	473	0	1800	28	.6	.2	.1	.82
20...	5.0	470	0	1900	27	.6	.5	.0	.70
JUN									
04...	6.9	466	0	1900	29	.6	.2	.2	1.2
23...	4.9	459	0	1700	27	.7	.2	.0	.20
JUL									
11...	8.7	452	0	2300	38	.8	.2	.0	2.3
23...	9.6	296	0	1200	16	.6	.1	.1	1.1
AUG									
06...	8.8	422	0	2400	43	.9	.3	.0	4.8
19...	7.6	464	0	2100	39	1.0	.3	1.9	5.6
SEP									
11...	12	281	0	1000	19	.6	.1	.0	4.0
OCT									
08...	6.9	487	0	2400	41	.9	.3	.5	5.0
20...	4.9	492	0	2000	38	1.0	.2	.3	8.4
NOV									
05...	6.3	466	0	2200	38	.8	.3	.0	3.3
DEC									
03...	5.5	518	0	2000	36	1.1	.3	.0	7.7

TABLE 5.—CONTINUED

09306415 EVACUATION CREEK BELOW PARK CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)
NOV , 1974									
14...	.03	.08	.59	.03	.01	3720	3330	1.49	5.06
21...	.02	.02	.67	.01	.16	3360	2980	2.18	4.57
DEC									
04...	.03	.03	.71	.01	.01	3550	3230	1.63	4.83
17...	.01	.11	.70	.01	.01	3610	3340	4.29	4.91
JAN , 1975									
08...	.04	.05	1.3	.03	.01	3790	3410	--	5.15
MAR									
05...	.01	.03	1.6	.01	.55	3190	3120	29.5	4.34
17...	.01	.01	.47	.02	.03	3520	3310	3.80	4.79
APR									
08...	.03	.03	2.3	.00	.84	3240	3120	24.1	4.41
22...	.01	.02	25	.04	4.8	2460	2360	13.3	3.35
MAY									
07...	.01	.02	5.7	.02	.98	3070	3000	24.0	4.18
20...	.00	.01	1.9	.02	.67	3100	3100	27.6	4.22
JUN									
04...	.01	.02	1.4	.02	.00	3190	3140	15.2	4.34
23...	.01	.04	1.3	.00	.53	2920	2840	7.88	3.97
JUL									
11...	.02	.00	.67	.02	.07	3870	3700	3.13	5.26
23...	.02	.03	.81	.00	.02	2020	1940	5.02	2.75
AUG									
06...	.03	.03	.81	.02	.03	4040	3810	.97	5.49
19...	.03	.00	.72	.00	.04	3820	3460	.62	5.20
SEP									
11...	.01	.00	17	.00	3.0	1770	1710	4.35	2.41
OCT									
08...	.04	.00	1.2	.00	.00	4220	3870	.42	5.74
20...	.03	.00	.57	.00	.01	3650	3350	.10	4.96
NOV									
05...	.01	.04	.76	.01	.00	3770	3540	2.04	5.13
DEC									
03...	.02	.00	1.4	.02	.00	3630	3380	.78	4.94

DATE	TUR-BID-ITY (JTU)	ALKA-LINITY AS CACO3 (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (UG/L)
NOV , 1974									
14...	--	384	1100	670	59	9.4	21	0	1
21...	2	360	980	620	57	8.2	21	0	0
DEC									
04...	3	404	1100	720	56	8.4	20	0	1
17...	1	416	1100	710	56	8.6	27	1	1
JAN , 1975									
08...	2	469	1300	820	52	7.8	33	11	1
MAR									
05...	600	378	990	610	58	8.8	35	5	5
17...	30	390	1100	750	56	8.5	13	3	11
APR									
08...	1400	383	970	590	59	9.0	49	1	14
22...	3500	347	730	380	59	7.9	270	1	10
MAY									
07...	3600	388	900	510	61	9.4	99	E2	8
20...	760	386	960	570	59	9.0	36	1	3
JUN									
04...	580	382	900	520	62	10	27	2	1
23...	570	376	880	500	60	9.0	31	1	2
JUL									
11...	180	371	1100	730	60	10	20	3	6
23...	39000	243	760	520	45	4.6	--	--	10
AUG									
06...	12	346	1100	730	61	10	25	0	10
19...	2	381	1100	670	60	9.8	23	1	4
SEP									
11...	7500	230	590	360	54	5.7	390	E14	11
OCT									
08...	4	399	1300	880	56	9.3	28	1	1
20...	2	404	1200	750	55	8.5	18	0	3
NOV									
05...	1	382	1100	700	59	9.4	12	0	1
DEC									
03...	2	425	1100	660	58	9.3	19	0	2

TABLE 5.—CONTINUED

09306415 EVACUATION CREEK BELOW PARK CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	COLOR (PLATINUM-COBALT UNITS)	CYANIDE (CN) (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED ALUMINUM (AL) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BARIUM (BA) (UG/L)
NOV , 1974										
14...	1600	10	.00	--	--	--	--	0	2	0
DEC										
04...	1545	5	.00	.200	.300	--	--	0	2	<100
JAN , 1975										
08...	1130	5	.00	1.30	1.00	--	15	0	1	<100
MAR										
05...	1222	20	.00	2.50	1.80	--	--	10	0	400
APR										
08...	1200	2	.00	.900	.000	.00	2.6	50	1	60
MAY										
07...	1440	6	.01	--	--	--	--	10	1	0
JUN										
04...	1045	4	.00	.800	.700	--	--	30	1	0
JUL										
11...	1530	15	.00	--	--	--	6.9	30	2	130
AUG										
06...	1330	7	.00	5.20	3.90	--	--	20	2	<100
SEP										
11...	1700	60	.00	8.40	13.0	--	--	40	1	200
OCT										
08...	1500	6	.01	3.60	.200	.00	31	20	2	<100
NOV										
05...	1330	7	.00	.800	.900	--	--	10	1	0
DEC										
03...	1530	5	.00	--	--	--	--	20	0	0

DATE	DISSOLVED BORON (B) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED LITHIUM (LI) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
NOV , 1974									
14...	1300	0	0	0	2	20	0	90	40
DEC									
04...	1400	0	<10	1	2	10	3	80	42
JAN , 1975									
08...	2400	0	0	0	4	20	0	140	30
MAR									
05...	510	0	0	0	9	40	1	70	60
APR									
08...	330	0	<15	0	5	20	0	60	30
MAY									
07...	280	0	0	0	3	40	0	50	20
JUN									
04...	330	0	0	0	4	120	0	80	20
JUL									
11...	610	0	<20	2	4	20	1	70	40
AUG									
06...	1100	0	0	0	3	10	1	90	10
SEP									
11...	80	0	10	0	29	50	0	30	10
OCT									
08...	1200	0	10	1	2	80	0	130	30
NOV									
05...	860	0	2	1	3	40	0	80	20
DEC									
03...	1600	0	<10	1	7	20	1	100	20

TABLE 5.—CONTINUED

09306415 EVACUATION CREEK BELOW PARK CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)
NOV , 1974									
14...	.0	38	16	6	2.5	20	<50	16	14
DEC									
04...	.3	39	6	7	.3	10	<32	<10	<8.4
JAN , 1975									
08...	.1	67	10	20	.0	10	46	17	14
MAR									
05...	.0	21	0	2	.0	20	<38	19	17
APR									
08...	.1	15	3	1	.0	20	80	17	13
MAY									
07...	.0	13	1	2	1.1	2	100	22	18
JUN									
04...	.0	31	2	3	.0	0	<39	<17	<13
JUL									
11...	.0	23	6	4	1.6	20	<67	21	18
AUG									
06...	.0	42	6	3	.8	0	<62	30	25
SEP									
11...	.2	9	2	1	1.1	0	46	29	25
OCT									
08...	.0	43	3	4	.9	10	<51	17	15
NOV									
05...	.0	29	5	2	2.0	30	<38	<11	<9.1
DEC									
03...	.0	44	3	14	1.2	20	<46	15	13

DATE	TIME	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
JAN , 1975										
08...	1130	<10	<60	<30	<60	0	4100	<60	<40	<100
APR										
08...	1200	<5	<15	<7	<20	0	3300	<15	<15	<30
JUL										
11...	1530	<5	<20	<10	<30	0	3700	<30	<10	<40
OCT										
08...	1500	10	--	--	--	0	4000	--	--	--

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)
APR , 1975								
08...	1200	.00	.00	.0	.00	.00	.00	.00
OCT								
08...	1500	.00	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL TOX-APHENE (UG/L)	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
APR , 1975								
08...	.00	0	.00	.00	.0	.00	.00	.00
OCT								
08...	.00	0	.00	.00	.0	.00	.00	.00

09306417 THIMBLE ROCK CANYON CREEK NEAR WATSON, UTAH

LOCATION.--LAT 39 49 14 , LONG 109 09 41 , IN NE1/4 SE1/4 NW1/4 SEC. 31, T.11 S., R.25 E., UINTAH COUNTY, ON LEFT BANK 3.1 MILES (5.0 KM) UPSTREAM FROM MOUTH AND 4.3 MILES (6.9 KM) SOUTH OF WATSON.

DRAINAGE AREA.--1.7 MI2 (4.4 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO SEPTEMBER 1975 (DISCONTINUED).

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 5,950 FT (1,814 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: NO RECORDED FLOW DURING YEAR.

REMARKS.--DISCHARGE: NO RECORDED FLOW DURING PERIOD OF OPERATION.

09306420 EVACUATION CREEK AT WATSON, UTAH

LOCATION.--LAT 39 48 01 , LONG 109 11 11 , IN NW1/4 NW1/4 NE1/4 SEC. 7, T.11 S., R.25 E., UINTAH COUNTY, ON RIGHT BANK IN THE CENTER OF WATSON AND 1.5 MILES (2.4 KM) UPSTREAM FROM EVACUATION CREEK TRIBUTARY.

DRAINAGE AREA.--259 MI2 (671 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO SEPTEMBER 1976 (DISCONTINUED).
CHEMICAL ANALYSES: OCTOBER 1974 TO SEPTEMBER 1976 (DISCONTINUED).
WATER TEMPERATURES: OCTOBER 1974 TO JUNE 1976 (DISCONTINUED).

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 5,350 FT (1,631 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 286 FT3/S (8.10 M3/S) JULY 13 OR 14 (GAGE HEIGHT, 2.49 FT OR 0.759 M FROM FLOOD MARKS) FROM RATING CURVE EXTENDED ABOVE 10 FT3/S (0.28 M3/S) ON BASIS OF SLOPE-AREA MEASUREMENT OF PEAK FLOW; NO FLOW JULY 27-29, AUG. 19-22.
SPECIFIC CONDUCTANCE: MAXIMUM RECORDED, 7,580 MICROMHOS JAN. 29; MINIMUM RECORDED, 900 MICROMHOS SEPT. 10.
WATER TEMPERATURES: MAXIMUM 28.0 C AUGUST 26; MINIMUM, FREEZING POINT ON SEVERAL DAYS.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 650 FT3/S (18.4 M3/S) MAY 9 (GAGE HEIGHT, 3.72 FT OR 1.134 M) BASED ON SLOPE-AREA MEASUREMENT OF PEAK FLOW; NO FLOW FOR SEVERAL DAYS DURING THE YEAR.
WATER TEMPERATURES: MAXIMUM RECORDED, 27.5 C MAY 18, JUNE 4, 5; MINIMUM, FREEZING POINT ON MANY DAYS.

REMARKS.--DISCHARGE: RECORDS DURING 1975 WATER YEAR FAIR, EXCEPT THOSE FOR WINTER MONTHS, WHICH ARE POOR; RECORDS DURING 1976 WATER YEAR, POOR.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.01	.01	.10	.10	11	1.2	1.5	3.6	.13	.15	.09
2	.01	.01	.01	.10	.10	22	.91	1.3	3.0	.13	.15	.12
3	.01	.01	.01	.10	.10	14	.85	1.2	2.4	.15	.15	.13
4	.01	.01	.01	.10	.10	9.2	3.5	1.2	1.8	.15	.08	.15
5	.01	.01	.19	.10	.10	6.4	8.8	2.4	1.5	.18	.01	.17
6	.01	.01	.42	.10	.10	3.5	8.4	2.9	1.2	.22	.01	.22
7	.01	.01	.40	.10	.10	2.5	7.5	2.7	.90	.22	.02	.26
8	.01	.01	.20	.10	.20	1.9	6.9	2.6	2.5	.40	.04	.29
9	.01	.01	.10	.10	.30	1.3	4.6	2.1	2.3	.62	.03	.37
10	.01	.01	.10	.10	.30	1.2	1.6	1.6	2.7	1.2	.05	14
11	.01	.01	.10	.10	.30	1.1	1.4	1.0	2.3	1.1	1.7	12
12	.01	.02	.10	.10	.30	.70	1.4	.58	1.6	.57	11	10
13	.01	.02	.10	.10	.30	.47	1.1	.53	1.2	1.2	18	8.0
14	.01	.02	.10	.10	.30	.38	1.1	.31	.72	3.7	18	6.0
15	.01	.03	.10	.10	.30	.32	1.0	.34	.46	3.4	.08	4.0
16	.01	.01	.10	.10	.30	.26	1.1	.38	.56	2.0	.03	2.0
17	.01	.01	.30	.10	.30	.32	1.1	.44	.74	9.6	.03	1.0
18	.01	.01	.30	.10	.30	.31	.83	1.3	1.2	2.8	.01	.01
19	.01	.01	.30	.10	.30	.38	.58	2.5	1.9	2.6	0	.01
20	.01	.01	.30	.10	.30	.43	.50	2.8	1.6	2.6	0	.01
21	.02	.01	.30	.10	.30	.51	.41	5.2	2.1	2.6	0	.01
22	.02	.07	.20	.10	.30	.43	.43	4.9	2.2	1.6	0	.01
23	.01	.13	.10	.10	.30	.27	.40	5.1	1.9	.04	.01	.01
24	.01	.06	.10	.10	.30	.21	.50	6.6	1.2	.02	.01	.01
25	.01	.07	.10	.10	.30	.29	.58	7.6	.78	.03	.01	.01
26	.01	.08	.10	.10	.30	.61	1.3	11	.97	.01	.01	.01
27	.01	.07	.10	.10	.30	.64	1.4	13	.56	0	.01	.01
28	.01	.20	.10	.10	.40	.55	1.3	41	.23	0	.01	.01
29	.01	.04	.10	.10	---	.50	1.4	26	.12	0	.03	.01
30	.01	.03	.10	.10	---	.59	1.5	7.6	.12	.16	.06	.02
31	.01	---	.10	.10	---	.77	---	5.0	---	.06	.07	---
TOTAL	.33	1.01	4.65	3.10	7.00	83.04	63.59	162.68	44.36	37.49	49.76	58.94
MEAN	.011	.034	.15	.10	.25	2.68	2.12	5.25	1.48	1.21	1.61	1.96
MAX	.02	.20	.42	.10	.40	22	8.8	41	3.6	9.6	18	14
MIN	.01	.01	.01	.10	.10	.21	.40	.31	.12	0	0	.01
AC-FT	.7	2.0	9.2	6.1	14	165	126	323	88	74	99	117

WTR YR 1975 TOTAL 515.95 MEAN 1.41 MAX 41 MIN 0 AC-FT 1020

TABLE 5.—CONTINUED

09306420 EVACUATION CREEK AT WATSON, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	.07	.05	.04	.03	1.9	2.1	1.2	.91	.01	.04	.01
2	.02	.02	.05	.14	.03	1.5	2.0	1.3	.47	.07	.03	.01
3	.03	.01	.07	.05	.03	.74	2.1	1.5	.35	.14	.56	.01
4	.03	.02	.08	.04	.03	.73	2.0	1.7	.19	.02	.63	.01
5	.03	.02	.08	.04	.14	.75	2.2	1.7	.10	.02	.22	.01
6	.03	.08	.08	.04	.40	.92	6.0	2.0	.08	.02	.06	.08
7	.03	.06	.08	.05	.20	1.5	8.0	2.9	.06	.03	0	0
8	.03	.09	.08	.09	.15	1.2	1.5	2.5	.04	1.2	.02	0
9	.02	.08	.08	.12	55	1.4	1.2	35	.02	1.1	.10	0
10	.01	.07	.08	.10	61	1.7	1.2	8.4	.04	.43	.21	.01
11	.01	.06	.08	.11	19	2.7	1.2	3.7	.05	.36	.01	.01
12	.01	.03	.08	.10	8.8	2.6	1.2	3.2	.05	.29	.03	.01
13	.01	.02	.08	.11	4.8	1.9	1.2	2.8	.06	.26	.01	.01
14	.01	.04	.08	.19	3.8	2.3	1.7	2.7	.08	.22	.01	.01
15	.01	.11	.08	.05	3.2	2.3	1.9	2.4	.05	.19	.01	.01
16	.01	.10	.08	.04	3.7	2.2	2.4	2.5	.05	.19	.01	.01
17	.01	.10	.08	.04	3.0	2.9	3.1	2.8	.05	.22	.01	.01
18	.01	.06	.06	.04	2.6	3.4	4.1	2.8	.05	.26	.01	.01
19	.01	.06	.05	.04	3.0	3.5	4.1	2.7	.03	7.2	.01	.01
20	.01	.05	.05	.05	2.9	1.8	3.7	3.0	.02	3.2	.02	.01
21	.01	.08	.05	.03	1.9	1.8	3.0	3.5	.02	1.3	.01	.02
22	.03	.06	.06	.04	2.4	2.2	2.8	4.9	.06	.56	.02	.03
23	.53	.05	.06	.03	2.4	2.2	2.5	4.4	.21	.28	.03	.47
24	.20	.08	.06	.03	1.6	2.2	2.2	3.8	.05	.16	.03	1.4
25	.04	.07	.05	.05	1.4	2.4	1.9	3.2	.02	.28	.02	2.7
26	.05	.05	.05	.15	1.4	2.4	2.3	2.6	.01	.90	.02	5.8
27	.01	.05	.05	.21	1.7	2.1	2.0	2.2	.01	.75	.02	.22
28	.01	.05	.05	.12	1.3	2.0	1.7	1.7	0	.32	.01	.12
29	.01	.05	.05	.09	1.4	1.8	1.2	1.2	0	.10	.01	.12
30	.01	.05	.04	.02	---	2.3	1.1	1.1	0	.05	.01	.12
31	.41	---	.04	.02	---	2.0	---	1.3	---	.04	.01	---
TOTAL	1.66	1.74	2.01	2.27	187.31	61.34	73.6	116.7	3.13	20.17	2.19	11.24
MEAN	.054	.058	.065	.073	6.46	1.98	2.45	3.76	.10	.65	.071	.37
MAX	.53	.11	.08	.21	61	3.5	8.0	35	.91	7.2	.63	5.8
MIN	.01	.01	.04	.02	.03	.73	1.1	1.1	0	.01	0	0
AC-FT	3.3	3.5	4.0	4.5	372	122	146	231	6.2	40	4.3	22

CAL YR 1975 TOTAL 515.37 MEAN 1.41 MAX 41 MIN 0 AC-FT 1020
WTR YR 1976 TOTAL 483.36 MEAN 1.32 MAX 61 MIN 0 AC-FT 959

09306420 EVACUATION CREEK AT WATSON, UTAH—CONTINUED

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
OCT , 1974										
10...	1100	.00	10.5	5000	8.2	8.5	9.9	220	220	1000
23...	1210	.02	3.0	5780	--	--	9.6	210	210	980
NOV										
14...	1400	.01	10.0	5700	--	--	9.4	220	170	1000
21...	1345	.01	3.7	5750	--	--	9.8	220	180	960
DEC										
05...	1255	.26	.8	5200	7.6	--	9.0	190	200	880
16...	1600	.38	2.6	6170	--	--	9.2	200	200	860
JAN , 1975										
08...	1400	.01	2.5	6000	8.2	5.3	11	240	250	1100
FEB										
04...	1600	.02	2.0	5250	7.7	7.0	10	220	230	1000
18...	1220	.43	1.0	5700	--	--	8.8	210	220	970
MAR										
04...	1600	9.8	.8	3500	8.1	10.3	6.8	120	130	500
17...	1305	.64	3.3	5140	--	--	7.0	160	170	700
APR										
09...	1230	2.0	6.0	4800	8.5	7.6	9.3	170	170	730
22...	1255	2.5	15.7	3900	--	6.1	10	150	170	790
MAY										
08...	1400	2.7	10.5	5000	8.3	7.5	15	150	160	720
20...	1318	2.7	18.1	4400	8.2	5.0	11	130	180	740
JUN										
04...	1400	1.6	28.2	4150	8.3	6.9	12	130	150	670
23...	1230	1.7	26.8	4120	8.8	6.8	17	120	170	700
JUL										
15...	1600	2.4	22.5	1650	7.9	6.7	6.3	73	39	230
25...	1000	.32	15.0	454	7.4	--	14	49	14	29
AUG										
04...	1600	.01	20.0	5100	7.9	6.4	12	200	210	980
19...	1220	.01	22.3	4740	--	--	13	210	220	980
SEP										
10...	1300	8.1	21.0	850	8.1	6.3	5.5	51	20	120
OCT										
09...	1400	.01	15.0	5600	8.0	6.2	10	190	180	980
20...	1220	.01	6.0	5320	--	--	10	210	190	950
NOV										
05...	1700	.05	9.0	5000	7.5	7.3	9.6	180	190	930
DEC										
04...	1600	.08	3.0	5200	7.5	9.0	9.5	160	180	910
JAN , 1976										
06...	1230	.03	2.0	5450	7.8	7.9	9.3	210	200	980
FEB										
24...	1035	.60	.5	4970	8.1	--	8.6	180	180	810
MAR										
31...	0930	.80	4.0	4780	8.3	10.3	10	160	180	780
APR										
21...	1000	3.4	10.0	4090	8.8	5.7	10	130	150	660
MAY										
16...	0840	2.5	6.0	4200	7.9	--	12	120	170	700
JUN										
13...	1125	.06	16.0	5480	7.9	--	12	210	210	920
JUL										
14...	1700	.02	34.0	3500	7.6	7.8	--	--	--	--
24...	0745	.16	13.0	5410	8.2	--	13	170	190	910
AUG										
19...	0855	.01	13.0	5300	8.1	--	10	190	180	930
20...	1400	.05	28.0	2900	8.0	7.2	--	--	--	--
SEP										
21...	1035	.02	11.5	5350	8.1	--	11	200	200	940
23...	1500	.08	22.0	2600	8.3	6.8	--	--	--	--

09306420 EVACUATION CREEK AT WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DIS-SOL-VED SUL-FIDE (S) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
OCT + 1974									
10...	11	579	0	3000	64	.9	.4	.2	.00
23...	9.2	539	0	2900	63	.9	.4	.2	.00
NOV									
14...	2.2	582	0	2800	64	1.1	.4	.0	.08
21...	10	573	0	2700	63	.9	.4	.0	.16
DEC									
05...	7.4	529	0	2600	56	.9	.4	.0	1.3
16...	5.5	553	0	2600	58	1.0	.4	.3	1.6
JAN + 1975									
08...	8.8	642	0	3300	74	1.0	.4	.0	.03
FEB									
04...	9.3	591	0	3200	67	.8	.3	.2	.02
18...	7.8	588	0	2900	87	1.0	.4	.1	.73
MAR									
04...	6.1	362	0	1400	30	.6	.2	.0	2.2
17...	7.3	444	0	2100	44	.9	.2	.2	1.4
APR									
09...	8.8	494	0	2100	44	1.0	.3	.1	2.0
22...	6.6	494	0	2200	39	.8	.3	.0	1.4
MAY									
08...	6.8	466	0	2200	39	.8	.2	.0	1.5
20...	6.2	460	0	2100	36	.8	.2	.0	1.2
JUN									
04...	5.4	129	42	2100	39	.8	.3	.1	1.2
23...	6.5	426	0	2100	35	.8	.3	.0	1.0
JUL									
15...	5.7	156	0	680	18	.5	.1	.3	.98
25...	1.9	161	0	83	12	.2	.1	.1	.05
AUG									
04...	12	559	0	3000	63	1.0	.4	.1	.09
19...	12	569	0	2800	59	1.1	.4	.2	.04
SEP									
10...	7.0	153	0	320	15	.6	.1	.3	4.9
OCT									
09...	9.0	573	0	2700	58	.9	.4	.2	.00
20...	9.1	470	0	2900	59	1.0	.3	.1	.03
NOV									
05...	9.2	532	0	2700	56	1.0	.2	.0	.65
DEC									
04...	8.2	552	0	2400	54	.9	.3	.0	.75
JAN + 1976									
06...	8.6	594	0	2800	75	.8	.4	.0	.01
FEB									
24...	7.8	538	0	2400	51	.9	.4	.3	1.2
MAR									
31...	6.8	539	0	2200	77	.9	.5	.0	1.0
APR									
21...	4.6	488	0	1900	3.4	.6	.2	.0	.95
MAY									
16...	6.6	454	0	2100	28	.8	--	--	.85
JUN									
13...	8.0	570	0	2700	58	2.3	--	--	.03
JUL									
14...	--	--	--	--	--	--	--	--	--
24...	8.5	586	0	2700	55	1.2	.3	.0	.01
AUG									
19...	12	581	0	2700	100	1.1	--	--	.07
20...	--	--	--	--	--	--	--	--	--
SEP									
21...	10	585	0	3000	53	1.1	--	--	.03
23...	--	--	--	--	--	--	--	--	--

TABLE 5.—CONTINUED

09306420 EVACUATION CREEK AT WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)
OCT , 1974									
10...	.01	.10	1.0	.01	.01	5150	4820	.11	7.00
23...	.00	.06	.72	.00	.12	4970	4650	.27	6.76
NOV									
14...	.01	.02	.63	.03	.01	5090	4560	.18	6.92
21...	.00	.04	.71	.02	.48	4700	4430	.13	6.39
DEC									
05...	.03	.06	.80	.01	.03	4530	4210	3.18	6.16
16...	.02	.13	.74	.01	.03	4500	4210	4.62	6.12
JAN , 1975									
08...	.00	.06	.93	.02	.01	5620	5310	.15	7.64
FEB									
04...	.01	.03	.78	.01	.02	5190	5030	.28	7.06
18...	.00	.06	.94	.01	.04	4780	4700	5.55	6.50
MAR									
04...	.02	.04	1.5	.03	3.3	2560	2380	68.4	3.48
17...	.01	.03	1.4	.01	.86	3520	3410	6.08	4.79
APR									
09...	.03	.02	1.2	.00	.33	3880	3490	21.3	5.28
22...	.01	.00	2.3	.04	.99	3880	3620	26.2	5.28
MAY									
08...	.04	.02	1.2	.02	.24	3680	3530	26.8	5.00
20...	.01	.03	1.8	.03	.66	3680	3440	26.8	5.00
JUN									
04...	.00	.01	1.2	.04	.01	3640	3220	15.8	4.95
23...	.01	.03	1.2	.00	.52	3450	3360	15.8	4.69
JUL									
15...	.05	.00	7.9	.00	4.7	1170	1140	7.77	1.59
25...	.01	.00	3.0	.01	1.2	281	283	.24	.38
AUG									
04...	.03	.00	.96	.00	.08	4920	4760	.13	6.69
19...	.01	.00	.67	.00	.04	4800	4580	.13	6.53
SEP									
10...	.05	.03	4.7	.00	7.0	604	637	13.3	.82
OCT									
09...	.00	.00	1.0	.01	.00	4740	4420	.13	6.45
20...	.01	.00	1.0	.00	.02	4660	4560	.13	6.34
NOV									
05...	.01	.03	1.2	.00	.01	4410	4340	.60	6.00
DEC									
04...	.02	.00	1.3	.01	.01	4440	4000	.98	6.04
JAN , 1976									
06...	.00	.04	1.6	.02	.01	4740	4580	.47	6.45
FEB									
24...	--	--	1.2	.01	.10	4250	3910	6.89	5.78
MAR									
31...	.01	.01	1.4	.01	.39	4060	3690	8.77	5.52
APR									
21...	.01	.03	2.3	.00	.95	3310	3110	30.4	4.50
MAY									
16...	.01	.01	.83	.00	.29	3530	3370	23.8	4.80
JUN									
13...	.01	.02	.76	.00	.03	4740	4410	.77	6.45
JUL									
14...	--	--	--	--	--	--	--	--	--
24...	.00	.03	.57	.01	.03	4750	4340	2.05	6.46
AUG									
19...	.00	.00	.82	.02	.02	4640	4420	.13	6.31
20...	--	--	--	--	--	--	--	--	--
SEP									
21...	.00	.00	.56	.01	.02	4580	4710	.25	6.23
23...	--	--	--	--	--	--	--	--	--

TABLE 5.—CONTINUED

09306420 EVACUATION CREEK AT WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (UG/L)
OCT , 1974									
10...	--	475	1500	990	60	11	34	0	1
23...	--	442	1400	950	60	11	46	0	7
NOV									
14...	--	477	1300	770	63	12	47	0	0
21...	3	470	1300	820	62	12	38	0	0
DEC									
05...	30	434	1300	860	59	11	47	0	3
16...	10	454	1300	870	58	10	39	1	0
JAN , 1975									
08...	3	527	1600	1100	59	12	59	8	0
FEB									
04...	3	485	1500	1000	59	11	39	3	6
18...	20	482	1400	950	59	11	49	5	0
MAR									
04...	3500	297	840	540	56	7.5	110	7	5
17...	400	364	1100	740	58	9.2	51	2	4
APR									
09...	600	405	1100	720	58	9.5	42	2	4
22...	760	405	1100	670	61	10	43	1	3
MAY									
08...	620	382	1000	650	60	9.7	34	52	3
20...	700	377	1100	690	60	9.9	47	1	4
JUN									
04...	400	176	940	770	61	9.5	32	2	1
23...	520	349	1000	650	60	9.6	35	4	2
JUL									
15...	6800	128	340	220	59	5.4	330	--	24
25...	960	132	180	48	26	.9	74	0	7
AUG									
04...	26	459	1400	910	61	12	49	1	4
19...	11	467	1400	960	60	11	45	1	5
SEP									
10...	13000	126	210	84	54	3.6	790	* 12	9
OCT									
09...	2	470	1200	750	63	12	56	0	1
20...	2	386	1300	920	61	11	34	0	4
NOV									
05...	5	436	1200	800	62	12	40	0	4
DEC									
04...	40	453	1100	690	63	12	39	0	2
JAN , 1976									
06...	5	487	1400	870	61	12	35	0	4
FEB									
24...	80	441	1200	750	60	10	48	0	3
MAR									
31...	--	442	1100	700	60	10	--	0	4
APR									
21...	620	400	950	550	60	9.4	57	0	3
MAY									
16...	550	372	1000	630	60	9.6	--	--	4
JUN									
13...	3	468	1400	920	59	11	--	--	2
JUL									
14...	--	--	--	--	--	--	--	--	--
24...	5	481	1200	730	62	11	37	0	0
AUG									
19...	15	477	1200	740	62	12	--	--	2
20...	--	--	--	--	--	--	--	--	--
SEP									
21...	8	480	1300	850	61	11	--	--	1
23...	--	--	--	--	--	--	--	--	--

* ESTIMATED.

09306420 EVACUATION CREEK AT WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	COLOR (PLATINUM-COBALT UNITS)	CYANIDE (CN) (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED ALUMINUM (AL) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BARIUM (BA) (UG/L)
OCT , 1974										
10...	1100	20	.00	.400	.500	.07	22	10	3	0
NOV										
14...	1400	20	.00	--	--	--	--	0	3	0
DEC										
05...	1255	20	.00	.900	.500	--	--	0	3	<100
JAN , 1975										
08...	1400	20	.00	1.30	1.80	--	21	10	1	<100
FEB										
04...	1600	5	.00	1.80	3.00	--	--	0	5	<100
MAR										
04...	1600	30	.00	19.0	4.00	--	--	20	0	<100
APR										
09...	1230	5	.00	.200	.000	.00	8.2	30	1	70
MAY										
08...	1400	5	.01	--	--	--	--	20	2	0
JUN										
04...	1400	8	.01	4.20	2.90	--	--	30	2	0
JUL										
15...	1600	40	.02	.000	.000	--	34	30	2	86
AUG										
04...	1600	20	.00	1.80	1.80	--	--	10	3	<100
SEP										
10...	1300	65	.00	5.80	6.60	--	--	90	2	<200
OCT										
09...	1400	10	.00	6.80	3.20	.40	17	10	2	<100
NOV										
05...	1700	16	.00	--	--	--	--	20	3	0
DEC										
04...	1600	60	.00	1.50	1.10	--	--	30	4	0
JAN , 1976										
06...	1230	15	.00	.400	.200	--	16	10	0	30
MAR										
31...	0930	--	.00	--	--	--	12	60	1	0
APR										
21...	1000	10	.00	--	--	.00	--	50	1	0
MAY										
16...	0840	10	.00	--	--	--	--	10	1	--
JUN										
13...	1125	10	.00	--	--	--	--	0	1	--
JUL										
24...	0745	0	.00	--	--	.00	--	40	3	50
AUG										
19...	0855	12	.00	--	--	--	--	20	4	--
SEP										
21...	1035	12	.00	--	--	--	--	80	3	--

09306420 EVACUATION CREEK AT WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
OCT , 1974									
10...	2100	<1	0	0	3	50	2	120	70
NOV									
14...	2700	0	0	0	4	20	0	110	130
DEC									
05...	2300	0	<10	3	7	20	2	100	210
JAN , 1975									
08...	310	0	0	0	3	30	0	120	160
FEB									
04...	2400	0	20	0	4	10	0	100	67
MAR									
04...	670	0	0	0	7	220	0	60	10
APR									
09...	1200	0	0	0	5	20	0	90	0
MAY									
08...	1100	0	0	0	7	40	0	80	20
JUN									
04...	500	0	0	0	3	50	0	50	10
JUL									
15...	380	0	0	2	9	50	0	20	20
AUG									
04...	2600	0	10	0	3	30	3	120	100
SEP									
10...	230	0	0	0	31	110	0	10	10
OCT									
09...	2300	0	10	1	5	0	0	140	230
NOV									
05...	2600	1	4	1	8	50	2	120	170
DEC									
04...	2000	0	<10	1	6	30	0	90	170
JAN , 1976									
06...	2000	0	0	0	20	10	0	100	410
MAR									
31...	1100	0	0	<65	5	70	1	80	30
APR									
21...	620	0	10	<50	6	40	0	60	10
MAY									
16...	520	--	--	--	--	10	--	--	8
JUN									
13...	1200	--	--	--	--	30	--	--	160
JUL									
24...	2100	0	0	<75	7	10	0	100	280
AUG									
19...	2600	--	--	--	--	40	--	--	310
SEP									
21	2400	--	--	--	--	60	--	--	200

TABLE 5.—CONTINUED

09306420 EVACUATION CREEK AT WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)
OCT , 1974									
10...	.0	38	12	0	2.8	10	--	--	--
NOV									
14...	.0	45	18	0	2.6	20	<60	20	18
DEC									
05...	<.1	40	14	3	2.3	10	53	21	18
JAN , 1975									
08...	.0	33	7	0	4.2	10	120	38	30
FEB									
04...	.0	24	4	0	.0	20	61	170	140
MAR									
04...	.0	20	0	4	6.7	40	<30	<17	<20
APR									
09...	.0	28	3	4	.0	20	50	18	15
MAY									
08...	.0	24	1	3	1.2	10	<52	<17	<14
JUN									
04...	.0	19	1	2	.0	0	67	<18	<14
JUL									
15...	.0	14	4	2	1.6	10	16	26	20
AUG									
04...	.0	43	7	0	.6	10	--	--	--
SEP									
10...	.0	7	8	1	.9	40	<10	18	15
OCT									
09...	.0	42	5	0	.4	10	<57	28	24
NOV									
05...	.0	35	10	1	2.9	50	<43	26	21
DEC									
04...	.0	33	5	1	1.3	10	90	120	93
JAN , 1976									
06...	.1	29	3	0	1.3	0	<53	31	28
MAR									
31...	.1	29	4	2	1.2	10	<49	18	14
APR									
21...	.0	18	2	2	.8	0	<38	11	9.0
MAY									
16...	--	--	--	--	--	--	--	--	--
JUN									
13...	--	--	--	--	--	--	--	--	--
JUL									
24...	.2	24	5	0	3.3	0	<69	32	27

DATE	TIME	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
OCT , 1974										
10...	1100	0	--	--	--	1	4100	--	--	--
JAN , 1975										
08...	1400	<10	<90	<40	<90	0	4300	<90	<60	<150
APR										
09...	1230	<10	<20	<9	<30	0	3600	<20	<20	<40
JUL										
15...	1600	0	<10	<3	<7	0	1200	<10	<3	<10
AUG										
04...	1600	<6	<40	<10	<25	<3	4200	<40	30	<50
OCT										
09...	1400	10	--	--	--	0	4200	--	--	--
JAN , 1976										
06...	1230	10	<80	<40	<170	0	4000	<80	<50	<170
MAR										
31...	0930	10	<100	<30	<70	<7	3700	<100	<20	<140
APR										
21...	1000	0	<50	<20	<70	<5	3100	<50	<40	<100
MAY										
16...	0840	--	--	--	--	--	3500	--	--	--
JUN										
13...	1125	--	--	--	--	--	2700	--	--	--
JUL										
24...	0745	10	<100	<30	<100	<8	2400	<75	<80	<100
AUG										
19...	0855	--	--	--	--	--	3800	--	--	--
SEP										
21...	1035	--	--	--	--	--	3900	--	--	--

TABLE 5.—CONTINUED

09306420 EVACUATION CREEK AT WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)
APR , 1975								
09...	1230	.00	.00	.0	.00	.00	.00	.00
OCT								
09...	1400	.00	.00	.0	.00	.00	.00	.00
APR , 1976								
21...	1000	.00	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL TOX-APHENE (UG/L)	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
APR , 1975								
09...	.00	0	.00	.00	.0	.00	.00	.00
OCT								
09...	.00	0	.00	.00	.0	.00	.00	.00
APR , 1976								
21...	.00	0	.00	.00	.0	.00	.00	.00

TABLE 5.—CONTINUED

09306420 EVACUATION CREEK AT WATSON, UTAH—CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	6350	6290	---	---	---	---	5390	1570
2			---	---	6400	6350	---	---	---	---	1610	1110
3			---	---	6490	6310	---	---	---	---	1690	1560
4			---	---	6480	6330	---	---	---	---	---	---
5			---	---	6370	5720	---	---	---	---	---	---
6			---	---	5740	5330	---	---	6610	6350	---	---
7			---	---	5690	5470	---	---	6590	6330	---	---
8			---	---	6120	5640	---	---	6420	4820	---	---
9			---	---	6170	6070	---	---	6380	6110	---	---
10			---	---	6290	6170	---	---	6120	5820	---	---
11			---	---	6330	6230	---	---	6140	5870	---	---
12			---	---	6290	6120	---	---	6300	5940	4750	2100
13			---	---	6130	5920	---	---	6100	5870	4720	2270
14			5850	5480	6070	5930	---	---	5870	5780	5330	4730
15			5890	5530	6210	5930	---	---	5790	5700	5460	4650
16			5940	5410	6240	6040	---	---	5830	5750	5490	4880
17			5980	5560	6120	5990	---	---	5830	5730	5450	4360
18			5920	5680	6130	6000	---	---	6090	5830	5450	4730
19			5900	5500	6040	5940	---	---	6050	5930	5490	4620
20			6230	5540	5970	5850	---	---	5940	5820	5350	4800
21			6300	5420	5870	5650	---	---	5970	5860	5370	4670
22			6050	5370	5850	5650	---	---	6170	5970	5640	5260
23			5880	5080	6190	5850	---	---	6250	6090	6020	5420
24			6160	5590	---	---	---	---	6250	5420	6050	4440
25			6210	5650	---	---	6570	6110	5860	5350	---	---
26			6210	5670	---	---	6660	5660	5960	5850	---	---
27			6180	5860	---	---	6460	6070	5960	5730	---	---
28			6120	5550	---	---	6440	6170	5920	5300	---	---
29			6230	6120	---	---	6820	6440	---	---	---	---
30			6330	6230	---	---	---	---	---	---	---	---
31			---	---	---	---	---	---	---	---	---	---
MONTH			---	---	---	---	---	---	6610	4820	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	4320	3800	---	---	5330	4560	4220	3880	5350	5230
2	---	---	4350	3780	---	---	5370	4500	4320	4030	5400	5270
3	---	---	4560	3880	---	---	5200	4680	4340	4090	5410	5250
4	---	---	4830	4340	---	---	5290	4690	5260	4140	5390	5260
5	---	---	5120	4410	4630	3810	5270	4660	5500	4900	5400	5100
6	---	---	---	---	4850	3870	5350	4660	5330	5010	5350	5220
7	---	---	---	---	4880	4380	5360	4660	5470	4960	5330	5140
8	---	---	---	---	4760	3050	5620	5160	5570	4880	5300	5120
9	---	---	---	---	3520	2840	5600	5390	5500	4850	5870	5100
10	4970	4490	---	---	3280	2700	5720	3760	6510	4970	6720	900
11	5070	4480	---	---	3250	2600	4860	4010	6370	2360	1550	1010
12	4980	4460	---	---	3180	2620	5070	4510	5360	1230	1630	1520
13	5010	4360	---	---	3150	2660	5190	4040	5170	1200	1520	1410
14	4980	4530	---	---	3080	2780	4180	---	2350	1090	2540	1460
15	4860	4480	---	---	3280	2940	2800	---	---	2350	1830	---
16	4790	4280	---	---	3320	3090	3750	2810	---	---	---	---
17	4630	4080	---	---	3380	3130	2910	1420	---	---	---	---
18	4590	4000	---	---	3530	3310	1400	1160	---	---	---	---
19	4790	4320	---	---	3590	3050	1300	1160	---	---	5280	5190
20	4680	4170	---	---	4360	3150	1370	1240	---	---	5300	5190
21	4750	4170	---	---	4590	3810	1510	1330	---	---	5300	5200
22	4770	3930	---	---	4100	3420	4790	1460	---	---	5310	5200
23	4650	3800	---	---	4060	2980	4800	4250	5330	5210	5300	5190
24	4260	3680	---	---	4960	3180	4790	4270	5340	5240	5310	5190
25	4230	3820	---	---	4960	4420	4930	4440	5450	5250	5330	5240
26	4290	3940	---	---	4850	4030	4960	4550	5410	5210	5340	5230
27	4200	3770	---	---	5060	4180	---	---	5380	5270	5330	5240
28	4380	3800	---	---	5310	4570	---	---	5420	5290	5330	5250
29	4390	3880	---	---	5460	4720	---	---	5460	5240	5310	5250
30	4350	3760	---	---	5580	4640	5460	4280	5430	5270	5310	5260
31	---	---	---	---	---	---	4450	3670	5400	5260	---	---
MONTH	---	---	---	---	5580	2600	5720	1160	---	---	6720	900
YEAR	6820	900										

09306420 EVACUATION CREEK AT WATSON, UTAH—CONTINUED

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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

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

09306420 EVACUATION CREEK AT WATSON, UTAH—CONTINUED

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

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

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	8.5	3.0	25.0	1.5	23.5	8.0						
2	10.0	2.5	23.5	3.0	25.5	7.5						
3	11.0	3.0	21.5	4.0	20.5	9.0						
4	9.5	3.5	22.0	7.5	27.5	9.0						
5	9.5	4.5	24.5	6.5	27.5	7.5						
6	8.0	3.0	16.0	9.0	25.0	8.0						
7	---	---	21.5	8.5	23.5	9.5						
8	---	---	20.0	8.5	23.0	10.0						
9	---	---	26.0	8.5	26.5	10.0						
10	---	---	---	5.5	25.0	9.0						
11	---	---	---	---	---	---						
12	---	---	---	---	---	---						
13	18.5	---	---	---	---	---						
14	13.5	4.5	27.0	---	---	---						
15	18.5	4.5	22.5	7.0	---	---						
16	---	---	24.0	4.0	---	---						
17	---	---	27.0	5.5	---	---						
18	---	---	27.5	7.5	---	---						
19	---	---	19.5	11.0	---	---						
20	20.0	---	22.5	11.5	---	---						
21	16.5	5.0	18.0	11.0	---	---						
22	12.0	5.5	20.5	9.5	---	---						
23	20.5	4.5	25.5	9.0	---	---						
24	19.5	1.0	24.5	10.5	---	---						
25	14.5	6.0	24.0	7.0	---	---						
26	17.5	2.0	23.0	7.0	---	---						
27	16.5	2.0	23.5	7.5	---	---						
28	23.0	4.0	23.5	9.0	---	---						
29	18.0	5.5	22.5	8.0	---	---						
30	20.5	5.5	19.5	7.5	---	---						
31	---	---	25.5	7.0	---	---						
MONTH	---	---	27.5	1.5	---	---						
YEAR	27.5	0.0										

TABLE 5.—CONTINUED

09306425 EVACUATION CREEK TRIBUTARY NEAR WATSON, UTAH

LOCATION.--LAT 39 50 14 , LONG 109 11 00 , IN SW1/4 SE1/4 SE1/4 SEC. 36, T.10 S., R.24 E., UINTAH COUNTY, ON RIGHT BANK 0.3 MILE (0.5 KM) UPSTREAM FROM MOUTH AND 1.2 MILES (1.9 KM) NORTH OF WATSON.

DRAINAGE AREA.--12.4 MI2 (32.1 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO SEPTEMBER 1975 (DISCONTINUED).

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 5,320 FT (1,622 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: NO RECORDED FLOW DURING YEAR.

REMARKS.--DISCHARGE: NO RECORDED FLOW DURING PERIOD OF RECORD.

09306430 EVACUATION CREEK NEAR WATSON, UTAH

LOCATION.--LAT 39 57 04 , LONG 109 09 31 , IN NE1/4 SW1/4 NE1/4 SEC. 13, T.10 S., R.24 E., UINTAH COUNTY, ON RIGHT BANK 2.2 MILES (3.5 KM) UPSTREAM FROM MOUTH AND 4.8 MILES (7.7 KM) NORTH OF WATSON.

DRAINAGE AREA.--284 MI2 (736 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO CURRENT YEAR.
CHEMICAL ANALYSES: AUGUST 1974 TO CURRENT YEAR.
WATER TEMPERATURES: OCTOBER 1974 TO CURRENT YEAR.

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 5,080 FT (1,548 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 108 FT3/S (3.06 M3/S) MAY 28 (MAXIMUM GAGE HEIGHT, 3.09 FT OR 0.942 M, MAR. 2); MINIMUM DAILY, 0.03 FT3/S (0.001 M3/S) OCT. 1-14, NOV. 22-25, JAN. 17-29, FEB. 20.
WATER TEMPERATURES: MAXIMUM RECORDED, 30.5 C JULY 8, AUG. 12; MINIMUM, FREEZING POINT ON MANY DAYS.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 679 FT3/S (19.2 M3/S) MAY 10 (GAGE HEIGHT, 5.06 FT OR 1.542 M) FROM SLOPE-AREA MEASUREMENT OF THE PEAK FLOW; NO FLOW OCT. 18 AND 19.
SPECIFIC CONDUCTANCE: MAXIMUM RECORDED, 5,200 MICROMHOS OCT. 8; MINIMUM RECORDED, 559 MICROMHOS MAY 10.
WATER TEMPERATURES: MAXIMUM RECORDED, 26.0 C MAY 14, 23; MINIMUM, FREEZING POINT ON MANY DAYS.

REMARKS.--DISCHARGE: RECORDS FAIR.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.03	.14	.05	.04	.04	7.3	.31	.87	2.2	.54	.30	.08
2	.03	.15	.05	.04	.04	37	.37	.57	1.9	.54	.42	.08
3	.03	.14	.05	.04	.05	12	.52	.34	2.0	.48	.26	.07
4	.03	.14	.06	.04	.05	3.7	1.2	.28	1.7	.42	.20	.07
5	.03	.12	.05	.04	.05	2.4	8.6	.64	1.2	.42	.22	.07
6	.03	.12	.05	.04	.05	2.0	2.4	1.0	.84	.42	.26	.07
7	.03	.12	.05	.04	.05	1.1	1.8	2.0	.78	.42	.28	.07
8	.03	.09	.05	.04	.05	.65	1.5	2.2	1.7	1.1	.36	.08
9	.03	.06	.05	.04	.05	.49	.93	1.7	2.2	4.7	.42	.24
10	.03	.06	.04	.04	.05	.60	.36	1.4	3.6	1.5	.54	7.5
11	.03	.05	.04	.04	.05	.59	.31	.90	2.3	.07	.42	2.5
12	.03	.05	.04	.04	.15	.21	.28	.84	1.5	.05	.36	.78
13	.03	.05	.04	.04	.04	.20	.24	.81	1.2	.16	.28	.42
14	.03	.09	.04	.04	.04	.17	.26	.84	.84	5.2	.60	.66
15	.31	.09	.04	.04	.04	.20	.29	.86	.72	4.7	.20	5.8
16	.26	.12	.04	.04	.04	.22	.36	.89	.72	.72	.18	.36
17	.23	.12	.04	.03	.04	.31	.64	.92	.66	21	.20	.20
18	.23	.13	.04	.03	.04	.32	.80	.94	.72	.90	.16	.12
19	.23	.10	.04	.03	.04	.28	.52	.97	1.4	.54	.14	.12
20	.20	.07	.04	.03	.03	.26	.52	1.2	1.5	.42	.14	.10
21	.18	.06	.04	.03	.04	.23	.45	6.4	2.0	.36	.12	.10
22	.17	.03	.04	.03	.05	.23	.49	8.0	1.9	.36	.12	.10
23	.16	.03	.04	.03	.04	.26	.70	7.4	1.1	.30	.12	.10
24	.17	.03	.04	.03	.04	.23	.67	5.2	.84	.28	.12	.09
25	.17	.03	.04	.03	.04	.26	.67	2.3	.66	.28	.10	.09
26	.17	.04	.04	.03	.04	.26	.94	1.9	.66	.22	.10	.09
27	.17	.04	.04	.03	.04	.28	1.0	1.9	.60	.16	.10	.09
28	.17	.04	.04	.03	3.1	.29	.77	33	.54	.12	.12	.08
29	.14	.04	.04	.03	---	.28	.81	62	.54	.07	.10	.08
30	.14	.04	.04	.04	---	.28	1.0	33	.54	.04	.09	.08
31	.14	---	.04	.04	---	.31	---	2.2	---	.05	.09	---
TOTAL	3.66	2.39	1.34	1.11	4.38	72.91	29.71	183.47	39.06	46.54	7.12	20.29
MEAN	.12	.080	.043	.036	.16	2.35	.99	5.92	1.30	1.50	.23	.68
MAX	.31	.15	.06	.04	3.1	37	8.6	62	3.6	21	.60	7.5
MIN	.03	.03	.04	.03	.03	.17	.24	.28	.54	.04	.09	.07
AC-FT	7.3	4.7	2.7	2.2	8.7	145	59	364	77	92	14	40

WTR YR 1975 TOTAL 411.98 MEAN 1.13 MAX 62 MIN .03 AC-FT 817

09306430 EVACUATION CREEK NEAR WATSON, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.08	.05	.06	.03	.05	1.2	1.6	1.6	1.0	.16	.50	.05
2	.08	.05	.05	.03	.05	.83	1.7	1.2	.54	.16	.50	.05
3	.08	.05	.05	.02	.05	.45	1.7	1.1	.54	.16	.50	.05
4	.08	.05	.05	.02	.05	.47	1.8	1.2	.54	.14	.70	.04
5	.08	.05	.05	.02	.05	.41	1.8	1.2	.54	.14	.36	.04
6	.08	.05	.05	.02	.05	.47	2.0	1.5	.51	.14	.20	.05
7	.06	.05	.04	.02	.05	.47	2.1	1.7	.48	.14	.42	.06
8	.03	.05	.04	.03	.05	.45	2.1	2.0	.48	.26	.26	.06
9	.03	.05	.05	.03	39	.47	1.7	2.3	.42	3.0	.10	.05
10	.03	.05	.04	.03	88	.49	1.4	72	.42	.20	.18	.05
11	.03	.06	.04	.03	60	1.2	1.2	1.5	.36	.20	.42	.20
12	.03	.06	.04	.04	50	.70	1.3	.78	.36	.20	.26	.42
13	.03	.06	.04	.04	30	.69	1.4	.72	.36	.20	.10	.09
14	.03	.06	.03	.04	7.4	.99	1.5	.68	.30	.20	.18	.09
15	.03	.06	.04	.04	2.3	1.0	1.7	.60	.28	.20	.42	.09
16	.03	.07	.03	.05	4.3	1.2	1.6	.65	.28	.20	.12	.09
17	.03	.07	.03	.05	3.2	1.5	1.8	.81	.28	.20	.10	.09
18	0	.07	.03	.05	2.6	1.9	1.9	1.1	.26	.20	.08	.09
19	0	.07	.03	.05	1.7	2.5	2.6	1.3	.26	2.2	.08	.09
20	.01	.07	.04	.05	.42	1.4	2.6	1.6	.26	.84	.08	.09
21	.03	.08	.03	.04	.30	1.4	1.7	2.3	.24	.60	.06	.09
22	.03	.08	.02	.04	.41	1.7	1.5	3.2	.24	.50	.06	.10
23	.05	.08	.02	.05	.38	2.2	1.4	2.9	.20	.50	.06	.66
24	.05	.08	.04	.05	.26	1.9	1.3	2.6	.20	.50	.06	.10
25	.05	.07	.05	.05	.54	2.5	1.2	2.5	.18	.50	.06	10
26	.05	.07	.05	.05	.36	1.8	1.8	1.8	.18	.50	.05	14
27	.05	.07	.05	.05	.69	1.9	1.9	1.1	.18	.50	.05	.73
28	.05	.07	.05	.05	.62	1.8	1.4	1.1	.18	.50	.05	.08
29	.05	.06	.05	.05	.78	1.5	1.1	.85	.16	.50	.05	.07
30	.05	.06	.05	.05	---	1.3	1.4	.72	.16	.50	.05	.07
31	.05	---	.04	.05	---	1.4	---	1.2	---	.50	.05	---
TOTAL	1.36	1.87	1.28	1.22	293.66	38.19	50.2	115.81	10.39	14.74	6.16	27.74
MEAN	.044	.062	.041	.039	10.1	1.23	1.67	3.74	.35	.48	.20	.92
MAX	.08	.08	.06	.05	88	2.5	2.6	72	1.0	3.0	.70	14
MIN	0	.05	.02	.02	.05	.41	1.1	.60	.16	.14	.05	.04
AC-FT	2.7	3.7	2.5	2.4	582	76	100	230	21	29	12	55

CAL YR 1975 TOTAL 409.10 MEAN 1.12 MAX 62 MIN 0 AC-FT 811
WTR YR 1976 TOTAL 562.62 MEAN 1.54 MAX 88 MIN 0 AC-FT 1120

TABLE 5.—CONTINUED

09306430 EVACUATION CREEK NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
AUG , 1974										
27...	1430	.50	31.0	5500	8.0	13.0	9.5	140	160	710
SEP										
17...	1330	--	26.0	4250	7.9	--	10	160	150	680
OCT										
10...	1500	.02	22.5	4500	8.2	11.3	7.9	170	170	730
22...	1542	.16	6.5	4710	8.0	--	7.9	160	160	720
NOV										
12...	1430	.05	7.0	4400	8.7	--	7.6	180	150	710
22...	1115	.14	10.7	4400	8.4	--	8.0	180	150	700
DEC										
05...	1515	.06	5.2	4300	8.4	--	8.3	160	160	710
16...	1215	.04	.5	--	--	--	8.8	180	170	730
JAN , 1975										
09...	1400	.04	1.5	4500	8.3	8.1	10	200	170	760
FEB										
04...	1400	.05	3.5	4600	7.8	8.4	9.8	180	180	780
17...	1020	.03	3.0	5500	--	--	8.9	180	180	780
MAR										
04...	1450	10	6.0	2800	8.1	9.2	6.1	110	100	420
17...	1400	.25	5.2	4210	--	--	10	170	160	690
APR										
09...	1100	1.3	10.5	4000	7.8	7.4	10	190	170	660
22...	1445	1.1	17.0	4250	--	6.9	10	170	170	710
MAY										
07...	1130	2.8	6.2	4500	8.2	8.5	10	160	160	760
20...	1406	1.8	17.9	4800	8.0	4.9	11	140	160	730
JUN										
02...	1430	1.6	23.5	3650	7.9	7.6	9.9	140	150	610
24...	1315	1.8	15.5	4080	--	--	14	140	180	690
JUL										
07...	1300	.37	24.0	3600	7.8	--	11	180	150	680
14...	1030	3.1	17.0	2410	7.3	--	10	200	75	330
AUG										
04...	1530	.20	30.0	4250	7.5	7.1	11	170	160	710
19...	1400	.14	25.5	4400	9.0	--	11	150	140	550
SEP										
08...	1520	.08	24.5	4400	8.2	8.0	10	180	170	750
10...	1030	6.9	13.8	1200	--	--	6.9	62	25	160
OCT										
07...	1320	.03	17.5	5100	7.6	9.0	9.3	190	170	740
20...	1300	15	16.0	4630	7.4	--	7.3	170	160	760
NOV										
05...	1330	.01	15.5	4320	8.3	11.0	6.8	170	160	780
28...	--	.07	--	--	--	--	--	--	--	--
DEC										
03...	1130	.05	3.0	4390	7.5	11.0	8.2	170	160	740
JAN , 1976										
08...	1230	.03	.5	4600	7.7	6.4	8.8	180	170	730
FEB										
24...	1345	.30	7.0	4230	8.5	10.0	9.0	170	150	680
MAR										
30...	1301	1.1	13.0	4380	8.3	7.7	10	170	170	730
APR										
21...	1200	1.7	17.0	4280	8.7	--	10	130	160	710
30...	--	1.4	16.0	4300	7.5	--	--	--	--	--
MAY										
17...	0830	.81	9.0	4300	7.8	--	12	130	160	750
JUN										
12...	1625	.36	20.0	4120	7.5	--	11	160	160	670
JUL										
14...	1400	1.0	33.5	4000	7.6	8.2	--	--	--	--
20...	1225	.84	27.0	2790	7.8	--	11	240	86	320
30...	0750	.05	--	--	--	--	--	--	--	--
AUG										
03...	0740	.50	--	--	--	--	--	--	--	--
19...	1410	.08	26.0	4400	8.1	--	8.8	160	160	770
20...	1100	.20	26.0	3000	7.6	7.6	--	--	--	--
SEP										
18...	1430	.09	27.0	4600	8.1	--	12	170	160	790
23...	1430	.25	21.5	2950	7.8	6.5	--	--	--	--

TABLE 5.—CONTINUED

09306430 EVACUATION CREEK NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DIS-SOL-VED SUL-FIDE (S) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
AUG , 1974									
27...	9.8	428	0	2100	49	.8	.3	.0	.34
SEP									
17...	12	447	0	2000	50	.9	.3	.2	.11
OCT									
10...	10	466	0	2200	53	.8	.4	.0	.00
22...	8.9	449	0	2200	55	.9	.3	.1	.00
NOV									
12...	1.8	487	0	2100	52	.8	.2	.0	.02
22...	7.8	493	0	2000	52	.6	.3	.0	.02
DEC									
05...	7.0	502	0	2000	51	.8	.3	.0	.16
16...	5.4	529	0	2100	58	.8	.4	.3	.09
JAN , 1975									
09...	7.9	541	0	2400	58	.8	.4	.1	.02
FEB									
04...	7.7	541	0	2400	60	.7	.3	.1	.05
17...	7.2	540	0	2300	59	.8	.4	.0	.01
MAR									
04...	6.2	301	0	1200	25	.5	.2	.0	1.1
17...	9.5	534	0	1900	47	.8	.2	.1	1.2
APR									
09...	8.2	495	0	2000	47	.7	.3	.2	1.5
22...	8.6	492	0	2100	47	.8	.3	.1	1.8
MAY									
07...	7.4	482	0	2200	44	.8	.3	.0	1.7
20...	7.1	438	0	2100	42	.8	.4	.0	1.3
JUN									
02...	7.2	362	0	1900	41	.7	.3	.1	1.1
24...	7.9	415	--	2200	42	.8	.3	.0	1.1
JUL									
07...	9.1	471	0	2100	44	.9	.3	.1	.99
14...	9.6	306	0	1300	20	.6	.1	.1	1.1
AUG									
04...	10	475	0	2200	48	.9	.2	.0	.96
19...	7.5	456	0	1700	46	.7	.2	.1	.35
SEP									
08...	11	483	0	2300	49	.9	.3	.2	.44
10...	7.7	152	--	430	25	.6	--	--	--
OCT									
07...	8.7	496	0	2300	51	.8	.3	.2	.10
20...	8.1	476	0	2300	51	.8	.2	.0	.02
NOV									
05...	8.9	481	0	2200	52	.8	.4	.0	.07
28...	--	--	--	--	--	--	--	--	--
DEC									
03...	7.4	500	0	2100	49	.7	.3	.0	.07
JAN , 1976									
08...	7.7	530	0	2100	57	.8	.3	.2	.04
FEB									
24...	8.2	489	0	2000	45	.7	.5	2.0	1.7
MAR									
30...	8.4	510	0	2200	75	.9	.6	.0	1.3
APR									
21...	5.8	462	0	2100	34	.6	.2	1.3	1.1
30...	--	--	--	--	--	--	--	--	--
MAY									
17...	8.3	446	0	2200	34	.9	--	--	.82
JUN									
12...	7.3	472	0	2100	42	.9	--	--	.89
JUL									
14...	--	--	--	--	--	--	--	--	--
20...	11	267	0	1300	19	.8	.2	.0	1.2
30...	--	--	--	--	--	--	--	--	--
AUG									
03...	--	--	--	--	--	--	--	--	--
19...	11	452	0	2200	81	.9	--	--	.08
20...	--	--	--	--	--	--	--	--	--
SEP									
18...	11	492	0	2400	52	1.1	--	--	.06
23...	--	--	--	--	--	--	--	--	--

TABLE 5.—CONTINUED

09306430 EVACUATION CREEK NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)
AUG , 1974									
27...	.02	.09	.91	.00	.01	3570	3400	4.82	4.86
SEP									
17...	.01	.09	1.2	.00	.04	3630	3290	--	4.94
OCT									
10...	.00	.12	.85	.00	.01	3890	3570	.21	5.29
22...	.00	.03	1.0	.01	.05	3940	3530	1.70	5.36
NOV									
12...	.01	.11	.49	.01	.02	3870	3450	.52	5.26
22...	.00	.01	.36	.01	.03	3710	3340	1.40	5.05
DEC									
05...	.03	.02	.44	.01	.02	3700	3350	.60	5.03
16...	.01	.11	.66	.01	.02	3800	3520	.41	5.17
JAN , 1975									
09...	.01	.01	.63	.01	.02	4020	3880	.43	5.47
FEB									
04...	.03	.01	.48	.03	.05	4070	3890	.55	5.54
17...	.00	--	.48	.02	.03	3890	3780	.32	5.29
MAR									
04...	.11	.10	.82	.01	.30	2150	2020	59.8	2.92
17...	.00	.04	.39	.03	.01	3500	3260	2.36	4.76
APR									
09...	.00	.03	.67	.00	.15	3570	3340	12.9	4.86
22...	.01	.11	.63	.04	.08	3710	3470	11.0	5.05
MAY									
07...	.02	.02	2.1	.02	.29	3820	3590	29.5	5.20
20...	.01	.03	2.2	.01	.52	3780	3410	18.4	5.14
JUN									
02...	.03	.01	5.0	.02	.01	3250	3040	14.0	4.42
24...	.02	.03	1.2	.01	.32	3670	3480	17.8	4.99
JUL									
07...	.07	.03	.54	.02	.00	3620	3420	3.62	4.92
14...	.03	.04	.16	.00	.00	2150	2100	18.0	2.92
AUG									
04...	.03	.04	.57	.02	.04	3690	3550	1.99	5.02
19...	.01	.00	.43	.00	.01	2860	2830	1.08	3.89
SEP									
08...	.03	.03	2.5	.01	.00	3790	3710	.82	5.15
10...	--	--	--	.00	--	--	793	14.9	1.08
OCT									
07...	.03	.00	.75	.00	.00	3970	3720	.32	5.40
20...	.01	.01	.50	.00	.01	3840	3690	156	5.22
NOV									
05...	.01	.02	.86	.00	.00	3820	3620	.10	5.20
28...	--	--	--	--	--	--	--	--	--
DEC									
03...	.01	.04	.59	.01	.00	3470	3480	.47	4.72
JAN , 1976									
08...	.01	.03	.68	.01	.00	3870	3520	.31	5.26
FEB									
24...	.02	.04	1.1	.00	.03	3560	3310	2.88	4.84
MAR									
30...	.01	.03	1.3	.01	.62	3790	3630	11.3	5.15
APR									
21...	.01	.03	2.3	.00	1.0	3540	3390	16.2	4.81
30...	--	--	--	--	--	--	--	--	--
MAY									
17...	.01	.01	.58	.00	.12	3670	3520	8.03	4.99
JUN									
12...	.01	.03	.61	.00	.02	3530	3390	3.43	4.80
JUL									
14...	--	--	--	--	--	--	--	--	--
20...	.09	.00	30	.00	33	2280	2130	5.17	3.10
30...	--	--	--	--	--	--	--	--	--
AUG									
03...	--	--	--	--	--	--	--	--	--
19...	.00	.00	.25	.01	.00	3730	3620	.81	5.07
20...	--	--	--	--	--	--	--	--	--
SEP									
18...	.00	.00	.45	.01	.02	3950	3850	.96	5.37
23...	--	--	--	--	--	--	--	--	--

TABLE 5.—CONTINUED

09306430 EVACUATION CREEK NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (UG/L)
AUG , 1974									
27...	--	351	1000	660	60	9.7	33	--	--
SEP									
17...	--	367	1000	660	59	9.3	30	0	4
OCT									
10...	--	382	1100	740	58	9.5	19	250	2
22...	--	368	1100	690	59	9.6	6	1	3
NOV									
12...	--	399	1100	670	59	9.5	35	0	1
22...	1	404	1100	660	59	9.3	19	0	0
DEC									
05...	1	412	1100	650	59	9.5	25	0	0
16...	1	434	1200	720	58	9.4	24	0	1
JAN , 1975									
09...	2	444	1200	760	58	9.6	24	8	6
FEB									
04...	1	444	1200	750	59	9.8	24	5	25
17...	4	443	1200	750	59	9.8	27	--	0
MAR									
04...	2800	247	690	440	57	7.0	88	5	7
17...	3	438	1100	650	58	9.1	22	9	4
APR									
09...	240	406	1200	770	55	8.4	37	3	2
22...	30	404	1100	720	58	9.2	25	2	4
MAY									
07...	800	395	1100	660	61	10	52	1	4
20...	800	359	1000	650	61	10	50	1	3
JUN									
02...	2700	297	970	670	58	8.5	110	2	8
24...	380	340	1100	750	58	9.1	32	1	1
JUL									
07...	3	386	1100	690	58	9.1	28	2	1
14...	33000	251	810	560	47	5.1	2600	--	12
AUG									
04...	18	390	1100	690	59	9.4	28	1	2
19...	29	374	950	580	55	7.8	31	1	4
SEP									
08...	0	396	1200	750	58	9.6	26	0	2
10...	--	125	260	130	57	4.3	--	--	--
OCT									
07...	4	407	1200	770	58	9.4	30	0	0
20...	3	390	1100	690	60	10	25	0	4
NOV									
05...	1	395	1100	690	61	10	27	0	2
28...	--	--	--	--	--	--	--	--	--
DEC									
03...	3	410	1100	670	60	9.8	23	0	1
JAN , 1976									
08...	1	435	1200	720	58	9.4	20	0	2
FEB									
24...	10	401	1000	640	58	9.2	24	0	3
MAR									
30...	--	418	1100	710	58	9.5	--	0	3
APR									
21...	1200	379	990	610	61	9.9	55	0	2
30...	--	--	--	--	--	--	--	--	--
MAY									
17...	70	366	990	620	62	10	--	--	1
JUN									
12...	4	387	1100	680	58	9.0	--	--	0
JUL									
14...	--	--	--	--	--	--	--	--	--
20...	1000	219	960	740	42	4.5	47	0	6
30...	--	--	--	--	--	--	--	--	--
AUG									
03...	--	--	--	--	--	--	--	--	--
19...	4	371	1100	690	61	10	--	--	2
20...	--	--	--	--	--	--	--	--	--
SEP									
18...	15	404	1100	680	61	10	--	--	2
23...	--	--	--	--	--	--	--	--	--

TABLE 5.—CONTINUED

09306430 EVACUATION CREEK NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	COLOR (PLATINUM-COBALT UNITS)	CYANIDE (CN) (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)
AUG , 1974										
27...	1430	7	--	--	--	--	--	0	2	50
SEP										
17...	1330	20	.00	8.50	4.20	.10	13	30	3	100
OCT										
10...	1500	10	.00	13.0	5.40	--	--	0	2	0
NOV										
12...	1430	7	.00	--	--	--	--	10	2	0
DEC										
05...	1515	10	.00	.600	.500	--	--	0	2	<100
JAN , 1975										
09...	1400	3	.00	.000	.500	--	11	20	2	0
FEB										
04...	1400	5	.00	3.30	4.60	--	--	20	6	<100
MAR										
04...	1450	20	.00	8.50	4.50	--	--	90	0	100
APR										
09...	1100	5	.00	1.00	1.10	.00	8.1	30	1	<100
MAY										
07...	1130	8	.01	--	--	--	--	90	2	0
JUN										
02...	1430	10	.01	18.0	10.0	--	--	110	1	0
JUL										
07...	1300	10	.00	1.50	.800	--	8.2	0	0	0
AUG										
04...	1530	10	.00	.000	.200	--	--	0	1	<100
SEP										
08...	1520	7	.00	3.20	1.70	--	--	10	2	<200
10...	1030	--	--	--	--	--	--	--	--	--
OCT										
07...	1320	7	.00	2.40	.100	.00	15	20	2	<100
NOV										
05...	1330	12	.00	1.90	.900	--	--	0	2	0
DEC										
03...	1130	6	.00	1.60	.300	--	--	20	1	100
JAN , 1976										
08...	1230	9	.00	.000	.000	--	12	10	0	20
MAR										
30...	1301	--	.00	--	--	--	15	10	1	0
APR										
21...	1200	10	.00	--	--	.00	--	0	1	0
MAY										
17...	0830	10	.00	--	--	--	--	0	1	--
JUN										
12...	1625	5	.00	--	--	--	--	10	0	--
JUL										
20...	1225	50	.00	--	--	.10	--	40	2	300
AUG										
19...	1410	7	.00	--	--	--	--	10	1	--
SEP										
18...	1430	8	.00	--	--	--	--	20	3	--

TABLE 5.—CONTINUED

09306430 EVACUATION CREEK NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
AUG , 1974									
27...	2200	0	0	0	4	20	2	120	80
SEP									
17...	1900	0	0	0	4	20	2	120	40
OCT									
10...	1900	0	0	0	2	30	3	150	30
NOV									
12...	2300	0	0	0	2	20	0	130	60
DEC									
05...	2000	0	<10	2	1	50	2	110	70
JAN , 1975									
09...	2400	0	0	1	4	40	3	130	190
FEB									
04...	2500	0	30	0	3	20	1	130	110
MAR									
04...	590	0	0	0	600	100	0	50	20
APR									
09...	1700	1	0	0	160	30	3	120	90
MAY									
07...	1200	0	0	0	6	80	0	100	30
JUN									
02...	990	0	0	0	10	200	4	80	40
JUL									
07...	1500	0	0	2	7	10	1	110	50
AUG									
04...	1600	1	0	0	9	10	1	100	40
SEP									
08...	1700	0	10	0	3	0	0	120	30
10...	250	--	--	--	29	200	--	--	60
OCT									
07...	1800	0	10	1	4	0	0	170	90
NOV									
05...	1900	0	0	1	2	30	2	140	80
DEC									
03...	1800	0	<10	1	2	20	1	110	130
JAN , 1976									
08...	1900	0	0	1	5	20	0	120	110
MAR									
30...	1300	0	0	<60	7	20	1	90	30
APR									
21...	1000	0	20	<6	3	30	2	70	10
MAY									
17...	10	--	--	--	--	10	--	--	30
JUN									
12...	1100	--	--	--	--	30	--	--	40
JUL									
20...	340	0	0	<35	12	80	2	40	20
AUG									
19...	2100	--	--	--	--	40	--	--	110
SEP									
18...	2400	--	--	--	--	20	--	--	140

TABLE 5.—CONTINUED

09306430 EVACUATION CREEK NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)
AUG , 1974									
27...	.0	57	2	--	1.2	10	--	--	--
SEP									
17...	.3	67	2	2	.4	20	--	--	--
OCT									
10...	.1	53	9	1	3.2	10	<52	23	20
NOV									
12...	.2	49	6	0	3.1	60	<50	19	17
DEC									
05...	<.1	47	9	1	1.3	<10	57	23	21
JAN , 1975									
09...	.0	53	7	0	.0	40	280	66	53
FEB									
04...	.0	37	5	1	.0	40	<57	16	14
MAR									
04...	.0	20	0	2	.0	40	61	25	21
APR									
09...	.2	38	3	2	.0	20	110	29	23
MAY									
07...	.0	28	2	4	1.3	70	50	<17	<14
JUN									
02...	.0	35	3	2	.0	20	<39	<18	<14
JUL									
07...	.0	41	6	3	.7	0	--	--	--
AUG									
04...	.0	44	6	4	.7	10	<23	<9.5	<7.5
SEP									
08...	.0	50	1	2	.6	10	62	37	34
10...	--	--	--	--	--	--	--	--	--
OCT									
07...	.0	53	4	1	.7	10	<48	27	23
NOV									
05...	.0	49	8	0	2.6	20	62	22	18
DEC									
03...	.0	43	6	0	1.1	10	98	44	35
JAN , 1976									
08...	.0	39	4	0	1.3	10	<54	25	21
MAR									
30...	.0	37	4	2	1.3	10	59	30	25
APR									
21...	.0	26	3	3	1.1	10	86	26	21
MAY									
17...	--	--	--	--	--	--	--	--	--
JUN									
12...	--	--	--	--	--	--	--	--	--
JUL									
20...	.2	0	6	5	1.6	30	<22	54	43
AUG									
19...	--	--	--	--	--	--	--	--	--
SEP									
18...	--	--	--	--	--	--	--	--	--

TABLE 5.—CONTINUED

09306430 EVACUATION CREEK NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
AUG , 1974										
27...	1430	<6	<20	<5	<20	<2	4200	<20	<13	<20
SEP										
17...	1330	0	--	--	--	0	3900	--	--	--
JAN , 1975										
09...	1400	0	<65	<30	<65	0	4200	<65	<45	<110
APR										
09...	1100	<10	--	--	--	0	3800	--	--	--
JUL										
07...	1300	0	--	--	--	0	3700	--	--	--
OCT										
07...	1320	10	--	--	--	0	4100	--	--	--
JAN , 1976										
08...	1230	10	<60	<30	<130	0	3900	<60	<40	<130
MAR										
30...	1301	10	<90	<30	<60	<6	3700	<100	<10	<130
APR										
21...	1200	0	<6	<3	<10	<1	3400	<6	<4	<10
MAY										
17...	0830	--	--	--	--	--	3700	--	--	--
JUN										
12...	1625	--	--	--	--	--	3200	--	--	--
JUL										
20...	1225	10	<50	<20	<40	<5	3000	<50	<30	<70
AUG										
19...	1410	--	--	--	--	--	3800	--	--	--
SEP										
18...	1430	--	--	--	--	--	4000	--	--	--

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)
AUG , 1974								
27...	1430	.00	.00	.0	.00	.00	.00	.00
APR , 1975								
09...	1100	.00	.00	.0	.00	.00	.00	.00
OCT								
07...	1320	.00	.00	.0	.00	.00	.00	.00
APR , 1976								
21...	1200	.00	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL TOX-APHENE (UG/L)	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
AUG , 1974								
27...	.00	0	.00	.00	.0	.00	.00	.00
APR , 1975								
09...	.00	0	.00	.00	.0	.00	.00	.00
OCT								
07...	.00	0	.00	.00	.0	.00	.00	.00
APR , 1976								
21...	.00	0	.00	.00	.0	.00	.00	.00

09306430 EVACUATION CREEK NEAR WATSON, UTAH—CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	4850	4560	4740	4570	4480	4020	---	---
2	---	---	---	---	4890	4630	4750	4540	4540	4340	---	---
3	---	---	---	---	4930	4380	4730	4560	4530	4130	---	---
4	---	---	---	---	4730	4350	4740	4600	4410	4140	3890	3760
5	---	---	---	---	4650	4380	4740	4550	4310	4190	3960	3780
6	---	---	4790	4660	4580	4410	4690	4540	4380	4140	3990	3860
7	---	---	4770	4610	4660	4450	4740	4530	4270	4130	3990	3890
8	5200	4720	4690	4500	4640	4430	4690	4460	4260	4090	3980	3880
9	5030	4630	4740	4620	4610	4510	4710	4500	4240	---	3980	3020
10	4970	4640	4740	4470	4590	4510	4610	4420	---	---	3920	2670
11	---	---	4840	4360	4560	4480	4640	4350	---	---	3590	3200
12	---	---	4950	4250	4540	4460	4580	4430	---	---	---	---
13	---	---	4970	4220	4540	4330	4530	4240	---	---	---	---
14	---	---	4960	4220	4860	4370	4550	4250	---	---	---	---
15	---	---	4940	4380	4850	4410	4510	4260	---	---	---	---
16	---	---	4900	4340	4820	4540	4390	4170	---	---	---	---
17	---	---	4900	4390	4780	4530	4410	4160	---	---	---	---
18	---	---	---	---	4760	4470	4370	4200	---	---	---	---
19	---	---	4930	4730	4800	4510	4320	4060	---	---	---	---
20	---	---	5110	4400	4800	4580	4350	4020	---	---	---	---
21	---	---	4970	4490	4810	4690	4340	4070	---	---	---	---
22	---	---	5050	4320	4850	4660	4260	3940	---	---	---	---
23	---	---	5020	4510	4770	4650	4260	3950	---	---	---	---
24	---	---	4950	4510	4760	4520	4250	4050	---	---	---	---
25	---	---	5140	4660	4670	4570	4230	4000	---	---	---	---
26	---	---	5160	4750	4710	4550	4290	3960	---	---	---	---
27	---	---	5000	4690	4720	4510	4220	3970	---	---	---	---
28	4880	3540	4900	4630	4760	4460	4230	3990	---	---	---	---
29	4830	4670	4940	4660	4750	4530	4260	3970	---	---	---	---
30	---	---	4970	4570	4720	4510	4250	3980	---	---	---	---
31	---	---	---	---	4630	4560	4240	4010	---	---	---	---
MONTH	---	---	5160	4220	4930	4330	4750	3940	---	---	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	4510	4180	---	---	3840	3660						
2	4420	4100	---	---	3750	3500						
3	4110	3880	---	---	4160	3570						
4	---	---	4500	---	4240	4010						
5	---	---	4490	4340	4260	4120						
6	---	---	4360	3320	4240	4040						
7	---	---	3420	3260	---	---						
8	---	---	3460	2990	---	---						
9	---	---	3340	1990	---	---						
10	---	---	3520	559	---	---						
11	---	---	3420	2260	---	---						
12	---	---	4360	3420	---	---						
13	---	---	4370	4170	---	---						
14	---	---	4300	4050	---	---						
15	---	---	4300	4200	---	---						
16	---	---	4320	4230	---	---						
17	---	---	4250	4080	---	---						
18	---	---	4080	3760	---	---						
19	---	---	3930	3540	---	---						
20	---	---	3810	2090	---	---						
21	---	---	3600	2010	---	---						
22	---	---	2040	1790	---	---						
23	---	---	1910	1800	---	---						
24	---	---	1900	1810	---	---						
25	---	---	1840	1660	---	---						
26	---	---	4100	1570	---	---						
27	---	---	4260	2730	---	---						
28	---	---	4260	3870	---	---						
29	---	---	4170	4020	---	---						
30	---	---	4240	4010	---	---						
31	---	---	4240	3840	---	---						
MONTH	---	---	4500	559	---	---						
YEAR	5200	559										

09306430 EVACUATION CREEK NEAR WATSON, UTAH—CONTINUED

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	9.5	7.0	1.0	0.0	0.0	0.0	4.0	2.0	3.5	0.0
2	---	---	10.0	6.5	1.0	0.0	0.0	0.0	2.5	1.0	2.0	0.0
3	---	---	7.5	6.5	1.0	0.0	0.0	0.0	2.0	1.0	---	0.5
4	---	---	9.5	4.5	1.0	0.0	0.0	0.0	3.0	0.5	---	---
5	---	---	9.0	3.0	3.5	0.5	0.0	0.0	4.0	1.0	---	---
6	---	---	8.0	2.5	4.0	2.0	0.0	0.0	1.5	0.0	---	---
7	---	---	8.5	2.0	3.0	1.0	0.0	0.0	3.5	1.0	---	---
8	---	---	8.5	2.5	1.5	0.0	0.0	0.0	4.0	1.0	---	---
9	---	---	10.0	5.5	1.0	0.0	0.5	0.0	4.5	2.5	---	---
10	---	---	9.5	4.0	0.5	0.0	0.0	0.0	5.0	3.0	---	---
11	---	---	8.0	2.0	0.5	0.0	0.0	0.0	4.5	1.5	5.5	2.5
12	15.0	9.0	7.0	2.0	0.5	0.0	0.0	0.0	4.5	1.0	6.5	2.0
13	15.5	7.0	8.5	2.0	0.5	0.0	0.0	0.0	4.5	2.5	6.5	3.0
14	15.0	7.0	7.5	2.5	0.0	0.0	0.0	0.0	5.5	3.5	6.5	4.0
15	14.5	5.5	8.0	4.0	0.5	0.0	0.0	0.0	5.5	4.0	8.0	4.0
16	14.5	6.0	8.0	2.0	1.0	0.0	0.0	0.0	5.5	3.0	6.5	4.0
17	15.0	6.0	6.0	1.0	0.5	0.0	0.0	0.0	6.0	3.0	8.0	3.5
18	---	---	6.0	2.5	0.0	0.0	0.0	0.0	4.5	2.0	8.0	3.0
19	---	---	8.0	3.0	0.5	0.0	0.0	0.0	4.5	1.5	9.0	3.5
20	15.0	6.5	6.0	0.5	0.0	0.0	0.0	0.0	5.5	3.0	9.0	5.0
21	13.0	9.5	6.0	0.5	0.5	0.0	0.0	0.0	4.0	1.0	10.0	5.5
22	14.0	9.5	7.0	1.5	1.5	0.0	0.0	0.0	3.5	0.5	7.5	3.5
23	12.0	9.5	7.0	3.0	0.0	0.0	0.0	0.0	3.5	0.5	5.5	2.5
24	12.0	7.5	6.0	1.0	0.0	0.0	0.0	0.0	4.0	0.5	8.0	2.5
25	12.0	7.5	4.0	1.0	0.0	0.0	0.5	0.0	5.0	2.0	7.5	5.0
26	12.0	6.0	4.5	0.0	0.0	0.0	2.5	0.0	6.0	2.0	6.0	3.5
27	12.0	7.0	2.5	0.0	0.5	0.0	3.5	1.5	7.0	3.0	5.5	1.5
28	11.0	8.5	5.0	1.0	0.5	0.0	3.5	0.5	7.0	0.5	4.5	1.0
29	9.0	7.0	2.0	0.5	0.5	0.0	2.0	0.0	---	---	4.0	0.5
30	8.5	5.0	1.0	0.0	0.5	0.5	3.5	0.0	---	---	7.0	1.5
31	8.0	6.0	---	---	0.5	0.0	3.5	2.0	---	---	5.5	2.5
MONTH	---	---	10.0	0.0	4.0	0.0	3.5	0.0	7.0	0.0	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	8.0	2.0	14.5	4.0	22.0	9.5	---	---	---	---	25.5	8.5
2	5.5	0.5	16.0	5.0	23.0	10.0	---	---	---	---	28.5	9.5
3	7.0	1.0	15.0	6.0	21.0	11.0	---	---	---	---	27.5	7.5
4	11.0	2.5	11.0	7.5	21.5	10.0	---	---	28.0	---	29.0	8.5
5	11.0	0.5	12.0	4.0	21.5	9.5	---	---	27.0	10.0	28.5	8.0
6	9.5	1.5	13.0	1.5	20.5	10.5	---	---	26.0	12.5	28.0	7.0
7	6.5	4.0	11.5	4.5	19.0	11.5	27.5	---	25.5	12.5	26.0	9.0
8	6.5	2.0	17.0	4.5	23.0	11.5	30.5	13.0	26.0	10.0	25.5	12.5
9	9.5	2.5	18.5	5.0	---	---	29.5	17.0	26.0	11.0	30.0	11.5
10	13.5	2.0	19.5	5.5	---	---	28.0	15.0	23.5	11.0	18.5	13.0
11	13.5	4.0	19.0	7.5	---	---	28.0	13.0	25.0	14.0	18.5	13.5
12	12.5	4.5	13.0	7.5	---	---	28.0	13.0	30.5	11.5	26.0	13.0
13	15.0	4.0	19.5	7.5	---	---	27.0	13.0	25.0	12.5	24.5	11.0
14	11.5	5.0	20.0	8.0	---	---	18.5	13.0	21.5	11.0	20.0	11.5
15	12.0	6.0	19.0	8.5	---	---	24.5	16.0	22.5	11.0	23.0	10.0
16	13.5	4.5	17.5	8.5	---	---	23.5	15.5	21.5	13.0	24.0	10.5
17	12.5	5.5	20.0	10.0	---	---	27.0	13.0	25.0	11.0	23.5	10.0
18	15.0	3.0	19.0	9.5	---	---	---	---	26.5	11.0	23.0	8.0
19	14.0	3.0	18.5	8.0	---	---	---	---	25.5	9.0	23.5	5.0
20	16.5	4.5	16.5	6.5	---	---	---	---	24.5	10.5	21.0	4.0
21	17.0	5.5	12.0	4.5	---	---	---	---	22.5	13.0	22.5	4.0
22	16.0	6.0	11.0	6.5	---	---	---	---	27.5	10.5	23.5	3.5
23	16.0	6.0	14.5	6.0	---	---	---	---	26.5	10.0	24.0	3.5
24	17.5	5.0	17.5	7.5	---	---	---	---	26.5	9.5	24.5	3.5
25	15.0	5.5	15.0	9.5	---	---	---	---	27.5	6.5	24.5	4.5
26	9.5	3.5	15.0	7.0	---	---	---	---	29.0	8.0	23.0	5.5
27	14.0	4.5	13.0	10.5	---	---	---	---	24.5	10.0	24.0	5.5
28	12.0	3.0	12.0	9.5	---	---	---	---	27.5	9.5	23.5	4.0
29	13.0	2.5	11.5	7.5	---	---	---	---	28.0	7.5	22.5	4.5
30	15.5	4.0	22.5	6.0	---	---	---	---	28.5	7.5	21.0	6.5
31	---	---	21.5	8.5	---	---	---	---	28.5	7.5	---	---
MONTH	17.5	0.5	22.5	1.5	---	---	---	---	30.5	6.5	30.0	3.5
YEAR	30.5	0.0										

09306430 EVACUATION CREEK NEAR WATSON, UTAH—CONTINUED

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

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

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	21.0	4.0	24.0	9.0						
2	---	---	20.0	6.0	24.0	9.0						
3	---	---	17.5	7.0	19.5	10.0						
4	---	---	19.5	9.5	23.0	9.0						
5	---	---	22.5	7.0	24.0	9.5						
6	8.0	---	15.5	10.0	22.5	9.5						
7	9.5	5.5	20.5	9.5	---	10.5						
8	16.0	6.0	21.5	9.0	---	---						
9	16.0	4.5	24.0	9.5	---	---						
10	16.5	3.0	22.0	8.0	---	---						
11	16.5	4.0	21.5	9.0	---	---						
12	13.0	5.0	20.5	5.0	---	---						
13	12.0	6.0	24.5	6.0	---	---						
14	12.5	6.0	26.0	8.5	---	---						
15	15.0	5.5	21.5	10.5	---	---						
16	15.5	5.5	23.5	7.0	---	---						
17	12.5	6.0	25.5	7.0	---	---						
18	12.5	6.0	25.5	8.5	---	---						
19	---	---	20.5	11.5	---	---						
20	---	---	22.0	12.0	---	---						
21	---	---	16.5	11.5	---	---						
22	---	---	20.5	10.0	---	---						
23	17.5	---	26.0	10.0	---	---						
24	17.0	4.0	22.5	11.5	---	---						
25	15.0	7.0	23.5	8.0	---	---						
26	13.0	4.5	25.0	8.0	---	---						
27	18.5	4.0	25.5	8.5	---	---						
28	20.5	3.5	23.0	9.5	---	---						
29	20.0	6.0	24.5	9.0	---	---						
30	18.5	6.0	22.5	9.0	---	---						
31	---	---	25.0	8.0	---	---						
MONTH	---	---	26.0	4.0	---	---						
YEAR	26.0	0.0										

09306500 WHITE RIVER NEAR WATSON, UTAH

LOCATION.--LAT 39 58 46 , LONG 109 10 41 , IN SE1/4 SW1/4 NE1/4 SEC. 2, T.10 S., R.24 E., UINTAH COUNTY, ON RIGHT BANK 350 FT (110 M) DOWNSTREAM FROM BRIDGE ON STATE HIGHWAY 45, 1 MILE (2 KM) DOWNSTREAM FROM EVACUATION CREEK, AND 7 MILES (11 KM) NORTH OF WATSON.

DRAINAGE AREA.--4,020 MI2 (10,410 KM2), APPROXIMATELY.

PERIOD OF RECORD.--DISCHARGE: APRIL 1904 TO OCTOBER 1906 (NO WINTER RECORDS), MAY TO NOVEMBER 1918, APRIL 1923 TO CURRENT YEAR. MONTHLY DISCHARGE ONLY FOR SOME PERIODS, PUBLISHED IN WSP 1313. PUBLISHED AS "NEAR DRAGON" 1906 AND "NEAR RANGELY, COLO." 1904-05, 1918.
CHEMICAL ANALYSES: DECEMBER 1950 TO CURRENT YEAR.
WATER TEMPERATURES: DECEMBER 1950 TO CURRENT YEAR.

GAGE.--WATER-STAGE RECORDER. DATUM OF GAGE IS 4,946.78 FT (1,507.779 M) ABOVE MEAN SEA LEVEL. SEE WSP 1733 FOR HISTORY OF CHANGES PRIOR TO OCT. 27, 1959.

AVERAGE DISCHARGE.--53 YEARS (1923-76), 701 FT3/S (19.85 M3/S), 507,900 ACRE-FT/YR (626 HM3/YR).

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 4,150 FT3/S (118 M3/S) JUNE 9 (GAGE HEIGHT, 6.60 FT OR 2.012 M); MINIMUM DISCHARGE, 108 FT3/S (3.06 M3/S) DEC. 26, RESULT OF FREEZEUP.
SPECIFIC CONDUCTANCE: MAXIMUM RECORDED, 1,040 MICROMHOS DEC. 30, 31; MINIMUM RECORDED, 478 MICROMHOS MAY 16.
WATER TEMPERATURES: MAXIMUM RECORDED, 22.5 C SEPT. 9; MINIMUM, FREEZING POINT ON MANY DAYS.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 2,150 FT3/S (60.9 M3/S) MAY 21 (GAGE HEIGHT, 4.63 FT OR 1.411 M); MAXIMUM GAGE HEIGHT, 7.30 FT (2.225 M) MAR. 2, 3 (ICE JAM); NO PEAK ABOVE BASE OF 2,900 FT3/S (82 M3/S); MINIMUM DISCHARGE, 167 FT3/S (4.729 M3/S) DEC. 31, RESULT OF DISCHARGE MEASUREMENT.
SPECIFIC CONDUCTANCE: MAXIMUM RECORDED, 1,110 MICROMHOS, JUNE 23; MINIMUM RECORDED, 266 MICROMHOS JUNE 1.
WATER TEMPERATURES: MAXIMUM RECORDED, 24.5 C JUNE 28; MINIMUM, FREEZING POINT ON MANY DAYS.
PERIOD OF RECORD:
DISCHARGE: MAXIMUM DAILY DISCHARGE, 8,160 FT3/S (231 M3/S) JULY 15, 1929; MAXIMUM GAGE HEIGHT, 13.1 FT (3.99 M) FEB. 11, 1962, FROM FLOODMARK IN WELL (BACKWATER FROM ICE); MINIMUM DISCHARGE, 11 FT3/S (0.31 M3/S) DEC. 6, 1972, RESULT OF FREEZEUP.

REMARKS.--DISCHARGE: RECORDS GOOD EXCEPT THOSE FOR WINTER PERIODS, WHICH ARE POOR. DIVERSIONS FOR IRRIGATION OF ABOUT 31,900 ACRES (129 KM2) ABOVE STATION.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	416	448	231	360	390	470	465	556	1570	2610	699	365
2	410	460	241	360	390	500	460	526	1670	2630	608	360
3	421	465	275	350	380	550	421	498	2010	2670	608	360
4	410	443	290	330	380	570	421	498	2240	2630	587	370
5	416	448	400	310	370	590	448	550	2460	2760	574	365
6	432	443	482	290	370	610	460	622	2670	2580	544	355
7	443	416	482	290	390	620	492	650	2900	2550	514	340
8	443	410	438	285	400	630	509	601	3180	2260	509	325
9	454	410	335	280	410	620	482	550	3820	2060	526	335
10	460	421	320	280	410	600	438	526	3910	1970	520	416
11	465	432	212	275	410	600	426	520	3170	1810	509	629
12	465	432	246	280	410	600	416	574	2620	1560	509	514
13	482	426	295	290	410	590	416	699	2330	1410	556	460
14	487	426	360	300	410	556	421	734	2370	1350	504	454
15	460	443	370	310	410	520	416	830	2730	1260	504	492
16	443	438	380	315	400	504	421	1100	3180	1280	532	487
17	438	426	385	320	390	550	443	1320	3520	1440	520	470
18	426	421	350	320	380	504	482	1720	3480	1350	498	448
19	421	410	340	325	370	509	544	2060	3150	1200	465	448
20	421	416	370	330	360	526	498	1870	2920	1090	443	448
21	416	410	360	340	350	498	454	2240	2560	1020	438	443
22	416	390	320	350	340	532	443	2550	2470	1010	460	443
23	432	432	270	370	330	504	454	2280	2320	915	476	448
24	448	448	230	380	320	465	492	1880	2170	838	465	454
25	438	426	200	400	320	438	538	1600	2260	776	438	465
26	438	405	170	420	340	443	562	1710	2550	748	416	465
27	438	405	170	430	370	454	622	1660	2450	734	416	454
28	432	416	170	420	420	416	678	1960	2370	678	400	476
29	438	350	190	400	---	416	671	1980	2490	657	400	470
30	432	416	230	390	---	400	608	1850	2580	706	400	465
31	448	---	300	390	---	405	---	1580	---	685	380	---
TOTAL	13589	12732	9412	10490	10630	16190	14601	38294	80120	47237	15418	13024
MEAN	438	424	304	338	380	522	487	1235	2671	1524	497	434
MAX	487	465	482	430	420	630	678	2550	3910	2760	699	629
MIN	410	350	170	275	320	400	416	498	1570	657	380	325
AC-FT	26950	25250	18670	20810	21080	32110	28960	75960	158900	93690	30580	25830

CAL YR 1974 TOTAL 254634 MEAN 698 MAX 3030 MIN 170 AC-FT 505100
WTR YR 1975 TOTAL 281737 MEAN 772 MAX 3910 MIN 170 AC-FT 558800

09306500 WHITE RIVER NEAR WATSON, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	448	520	305	205	305	900	465	664	1610	562	602	255
2	448	504	336	205	310	1000	421	678	1490	532	616	250
3	443	487	400	205	325	800	432	734	1580	520	416	222
4	443	479	400	205	340	500	443	854	1640	476	400	209
5	433	470	400	205	350	380	465	897	1690	465	379	204
6	439	465	400	205	350	380	532	940	1670	476	325	227
7	416	465	400	205	350	380	576	1020	1750	460	305	246
8	421	465	400	205	310	380	544	1070	1680	416	285	246
9	432	470	400	205	270	420	526	1140	1690	395	325	255
10	438	476	400	205	350	450	492	1200	1600	340	305	246
11	421	465	400	205	400	490	509	1220	1600	315	325	250
12	416	454	400	205	500	500	526	1250	1500	305	355	250
13	410	438	400	230	580	500	544	1380	1310	330	410	227
14	410	395	270	250	580	460	601	1300	1210	314	355	227
15	448	416	230	270	590	450	574	1430	1180	255	350	255
16	454	426	215	290	580	500	544	1640	1100	192	335	285
17	454	426	215	310	570	560	544	1710	978	173	309	300
18	448	421	230	320	520	610	544	1760	942	196	295	300
19	448	421	250	330	490	730	556	1870	969	222	300	300
20	448	405	250	340	490	800	562	1950	879	538	309	285
21	438	405	250	340	490	608	520	2050	783	498	305	290
22	432	375	250	330	490	580	492	2050	806	432	309	295
23	476	400	250	330	490	594	482	2020	870	385	309	340
24	482	400	250	320	450	594	487	1900	1060	360	319	350
25	492	350	250	320	450	568	514	1810	978	320	295	385
26	482	350	205	320	450	550	520	1610	838	285	260	426
27	465	305	205	310	500	498	550	1440	762	285	255	416
28	526	330	205	310	500	465	550	1420	699	340	270	374
29	504	300	205	300	600	443	526	1520	636	300	290	374
30	492	310	205	300	---	443	568	1670	601	270	260	369
31	504	---	205	300	---	410	---	1760	---	325	246	---
TOTAL	14011	12593	9181	8280	12980	16943	15609	43957	36101	11282	10419	8658
MEAN	452	420	296	267	448	547	520	1418	1203	364	336	289
MAX	526	520	400	340	600	1000	601	2050	1750	562	616	426
MIN	410	300	205	205	270	380	421	664	601	173	246	204
AC-FT	27790	24980	18210	16420	25750	33610	30960	87190	71610	22380	20670	17170

CAL YR 1975 TOTAL 281789 MEAN 772 MAX 3910 MIN 205 AC-FT 558900
WTR YR 1976 TOTAL 200014 MEAN 546 MAX 2050 MIN 173 AC-FT 396700

TABLE 5.—CONTINUED

09306500 WHITE RIVER NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
AUG , 1974										
06...	1745	382	26.0	800	8.1	7.7	15	70	32	74
27...	1130	275	19.0	900	8.1	7.0	12	60	34	90
SEP										
10...	1500	202	28.5	1020	8.2	7.4	10	120	39	120
17...	1100	400	15.0	740	8.2	--	14	74	30	85
OCT										
09...	1030	447	11.0	630	8.3	8.5	14	66	25	60
22...	1635	416	12.0	776	--	--	12	67	25	67
NOV										
12...	1100	413	3.0	775	8.4	--	13	62	23	61
21...	1500	438	3.0	803	--	--	12	75	24	75
DEC										
03...	1230	239	.0	855	8.3	--	15	77	31	83
16...	1031	381	.0	958	--	--	14	73	26	68
JAN , 1975										
06...	1030	255	1.0	800	8.3	11.6	17	76	28	76
20...	1200	374	.5	800	--	--	16	70	24	64
FEB										
03...	1100	412	.0	830	8.2	9.5	17	75	25	69
17...	0950	396	.0	800	--	--	15	66	26	70
MAR										
03...	1200	595	.0	890	7.9	10.5	13	67	30	90
18...	--	498	2.0	906	--	--	12	70	31	84
APR										
05...	1330	443	--	760	8.4	9.3	11	64	26	70
07...	1045	530	6.0	1010	8.6	8.8	12	74	34	110
23...	1425	443	14.0	860	8.0	7.1	12	72	33	84
MAY										
05...	1333	544	10.5	760	8.4	9.3	12	65	27	66
21...	1435	2340	11.0	636	7.8	6.4	11	41	15	30
JUN										
02...	1240	1670	16.5	470	8.2	8.2	12	46	19	30
JUL										
09...	1600	2130	22.0	330	8.2	6.7	13	35	12	17
14...	1330	1340	20.0	442	7.4	--	14	47	14	28
AUG										
04...	1135	578	20.0	700	8.4	8.1	14	68	25	55
19...	1430	448	21.0	996	8.8	--	13	67	29	64
SEP										
08...	1540	320	20.2	750	8.5	15.0	8.9	61	28	73
OCT										
06...	1300	410	14.0	720	8.5	8.0	11	63	23	57
20...	1330	438	9.5	704	--	--	11	64	24	52
NOV										
04...	1300	476	7.5	749	8.2	10.2	12	67	24	59
28...	--	330	--	--	--	--	--	--	--	--
DEC										
01...	1500	305	.0	808	8.0	9.8	15	71	25	67
JAN , 1976										
05...	1545	205	.5	831	8.0	11.4	15	79	25	60
FEB										
24...	1425	450	.0	849	8.8	11.7	13	70	28	76
MAR										
03...	1400	800	.0	700	7.7	9.6	8.6	56	20	65
30...	1530	438	9.0	900	8.6	10.3	12	73	33	86
APR										
06...	1530	550	9.0	890	7.9	8.9	12	71	32	76
19...	--	556	10.5	--	--	--	--	--	--	--
21...	1400	514	12.5	876	8.8	6.8	12	68	29	79
MAY										
04...	1500	906	15.5	580	--	7.6	11	53	20	40
15...	0840	1430	14.5	435	8.2	--	12	43	15	26
JUN										
12...	1025	1620	14.5	360	8.1	--	12	37	12	21
JUL										
01...	1400	556	22.5	630	8.3	6.7	13	67	21	44
14...	1100	238	24.0	850	7.5	7.9	--	--	--	--
21...	0755	509	13.0	800	--	--	16	76	29	61
30...	0815	270	--	--	--	--	--	--	--	--
AUG										
12...	1230	360	21.5	810	8.3	6.4	15	81	34	78
20...	0920	320	19.0	825	7.6	--	12	73	31	71
SEP										
07...	1215	246	19.0	900	8.6	7.6	9.3	65	36	91
10...	2045	246	--	--	--	--	--	--	--	--
18...	1300	295	18.0	895	7.5	--	13	76	32	73
30...	1015	369	--	--	--	--	--	--	--	--

TABLE 5.—CONTINUED

09306500 WHITE RIVER NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DIS-SOL-VED SUL-FIDE (S) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
AUG , 1974									
06...	2.5	241	--	200	35	.3	--	--	.24
27...	2.8	234	0	210	42	.4	.1	.1	.04
SEP									
10...	3.0	239	--	220	79	.4	--	--	.13
17...	3.1	262	0	200	53	.4	.2	.3	.00
OCT									
09...	2.0	224	0	160	32	.2	.1	.1	.01
22...	2.4	224	0	170	35	.3	.1	.0	.01
NOV									
12...	1.0	224	3	150	32	.2	.1	.0	.06
21...	1.9	244	0	180	36	.3	.1	.0	.01
DEC									
03...	2.4	288	0	190	45	.3	.1	.0	.01
16...	1.6	257	0	160	40	.3	.1	.3	.18
JAN , 1975									
06...	2.1	280	0	180	46	.3	.1	.1	.37
20...	2.1	235	0	150	37	.2	.1	.0	.29
FEB									
03...	2.2	252	0	180	40	.2	.1	.2	.30
17...	2.0	244	0	170	41	.3	.1	.1	.21
MAR									
03...	2.6	229	0	210	46	.3	.2	.0	.40
18...	2.5	235	0	200	48	.2	.1	.1	.11
APR									
05...	2.0	208	1	190	35	.3	.1	.0	.00
07...	2.6	269	0	250	44	.3	.1	.1	.12
23...	2.2	243	0	220	41	.3	.1	.1	.00
MAY									
05...	2.1	215	0	180	35	.2	--	--	.05
21...	1.9	157	0	81	13	.2	.1	.1	.33
JUN									
02...	1.5	175	0	86	13	.2	.0	.1	.15
JUL									
09...	1.3	131	0	59	10	.2	.0	.1	.08
14...	1.6	164	0	76	13	.2	.0	.0	.06
AUG									
04...	2.1	224	7	140	27	.3	--	--	.02
19...	2.2	223	6	180	29	.3	.1	1.9	.02
SEP									
08...	2.6	217	0	180	36	.3	--	--	--
OCT									
06...	1.7	212	0	150	31	.3	.1	.2	.00
20...	1.8	216	0	150	31	.3	.0	.0	.00
NOV									
04...	1.8	223	0	160	33	.3	.1	.0	.02
28...	--	--	--	--	--	--	--	--	--
DEC									
01...	1.7	241	0	170	36	.2	.1	.0	.16
JAN , 1976									
05...	2.2	250	0	160	39	.2	.1	.0	.25
FEB									
24...	2.8	237	0	190	41	.3	.1	.0	.33
MAR									
03...	3.4	175	0	180	25	.2	--	--	.56
30...	2.2	248	9	230	43	.3	.2	.0	.09
APR									
06...	2.4	250	0	210	38	.3	--	--	4.3
19...	--	--	--	--	--	--	--	--	--
21...	2.2	238	5	220	34	.3	.1	.3	.11
MAY									
04...	3.0	190	0	120	22	.3	--	--	.17
15...	1.6	150	0	81	13	.2	--	--	.23
JUN									
12...	1.4	133	0	59	11	.2	--	--	.09
JUL									
01...	2.0	209	0	140	27	.2	--	--	.01
14...	--	--	--	--	--	--	--	--	--
21...	3.8	263	0	180	35	.4	.1	.0	.17
30...	--	--	--	--	--	--	--	--	--
AUG									
12...	2.5	266	0	210	45	.3	--	--	.01
20...	2.6	245	0	190	41	.3	--	--	.06
SEP									
07...	2.4	220	0	230	51	.3	--	--	.00
10...	--	--	--	--	--	--	--	--	--
18...	2.8	243	0	220	42	.4	--	--	.01
30...	--	--	--	--	--	--	--	--	--

09306500 WHITE RIVER NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)
AUG , 1974									
06...	--	--	--	.03	--	--	549	566	.75
27...	.00	.05	.33	.00	.03	575	568	435	.78
SEP									
10...	--	--	--	.03	--	--	710	387	.97
17...	.00	.01	.38	.00	.04	602	590	650	.82
OCT									
09...	.01	.04	.48	.00	.05	477	470	576	.65
22...	.00	.03	.13	.01	.05	510	489	573	.69
NOV									
12...	.00	.04	.16	.02	.03	471	456	525	.64
21...	.00	.03	.16	.05	.74	538	525	636	.73
DEC									
03...	.00	.01	.10	.01	.04	596	586	385	.81
16...	.00	.09	.30	.01	.06	527	511	542	.72
JAN , 1975									
06...	.01	.08	.32	.02	.00	575	567	396	.78
20...	.01	.09	.17	.02	.05	492	481	497	.67
FEB									
03...	.01	.11	.33	.03	.06	552	535	614	.75
17...	.00	.19	.25	.04	.02	506	512	541	.69
MAR									
03...	.01	.12	.75	.02	.22	579	574	930	.79
18...	.00	.06	.61	.03	.21	594	564	799	.81
APR									
05...	.01	.02	.37	.02	.09	513	502	614	.70
07...	.00	.01	.94	.01	.22	676	661	967	.92
23...	.00	.03	.35	.03	.13	584	585	699	.79
MAY									
05...	--	--	--	.02	--	--	494	726	.67
21...	.00	.03	1.5	.01	.07	278	272	1760	.38
JUN									
02...	.00	.01	1.6	.03	.01	303	295	1370	.41
JUL									
09...	.00	.00	3.2	.00	1.1	223	213	1280	.30
14...	.01	.00	3.3	.00	.63	284	275	1030	.39
AUG									
04...	--	--	--	.00	--	--	449	701	.61
19...	.00	.00	.38	.00	.14	497	503	601	.68
SEP									
08...	--	--	--	.00	--	--	497	429	.68
OCT									
06...	.00	.01	.41	.00	.03	461	443	510	.63
20...	.00	.01	.25	.00	.03	456	441	539	.62
NOV									
04...	.00	.02	.67	.02	.08	484	468	622	.66
28...	--	--	--	--	--	--	--	--	--
DEC									
01...	.01	.00	.29	.01	.00	515	506	424	.70
JAN , 1976									
05...	.00	.04	.42	.01	.01	533	506	295	.72
FEB									
24...	--	--	.59	.00	.07	566	540	688	.77
MAR									
03...	--	--	--	.01	--	--	447	966	.61
30...	.00	.01	.44	.00	.27	635	613	751	.86
APR									
06...	--	--	--	.00	--	--	584	867	.79
19...	--	--	--	--	--	--	--	--	--
21...	.01	.03	1.4	.01	.45	579	569	804	.79
MAY									
04...	--	--	--	.06	--	--	364	890	.50
15...	.00	.00	1.4	.01	.66	286	267	1100	.39
JUN									
12...	.00	.03	.46	.02	.08	212	220	927	.29
JUL									
01...	--	--	--	.01	--	--	417	626	.57
14...	--	--	--	--	--	--	--	--	--
21...	.01	.00	.99	.00	.25	558	533	767	.76
30...	--	--	--	--	--	--	--	--	--
AUG									
12...	--	--	--	.01	--	--	597	580	.81
20...	.00	.00	.22	.02	.05	561	543	485	.76
SEP									
07...	--	--	--	.01	--	--	594	395	.81
10...	--	--	--	--	--	--	--	--	--
18...	.00	.00	.61	.00	.08	594	580	473	.81
30...	--	--	--	--	--	--	--	--	--

TABLE 5.—CONTINUED

09306500 WHITE RIVER NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (UG/L)
AUG , 1974									
06...	--	198	310	110	34	1.8	--	--	--
27...	--	192	290	99	40	2.3	9	--	--
SEP									
10...	--	196	460	260	36	2.4	--	--	--
17...	--	215	310	95	37	2.1	5	0	6
OCT									
09...	--	184	270	84	33	1.6	2	0	0
22...	--	184	270	87	35	1.8	0	4	0
NOV									
12...	--	189	250	61	35	1.7	9	0	0
21...	20	200	290	86	36	1.9	5	1	1
DEC									
03...	20	236	320	84	36	2.0	12	1	4
16...	10	211	290	79	34	1.7	8	1	0
JAN , 1975									
06...	5	230	310	77	35	1.9	7	6	--
20...	20	193	270	81	34	1.7	1	5	1
FEB									
03...	20	207	290	84	34	1.8	7	3	6
17...	20	200	270	72	36	1.8	2	5	6
MAR									
03...	300	188	290	100	40	2.3	20	6	1
18...	300	193	300	110	37	2.1	38	3	6
APR									
05...	100	172	270	95	36	1.9	5	3	3
07...	680	221	330	110	42	2.7	27	1	2
23...	38	199	320	120	36	2.1	9	1	4
MAY									
05...	--	176	270	97	34	1.7	--	--	--
21...	800	129	160	35	28	1.0	27	1	5
JUN									
02...	330	144	190	50	25	.9	42	1	4
JUL									
09...	640	107	140	30	21	.6	81	2	6
14...	360	135	180	40	26	.9	45	1	5
AUG									
04...	--	195	270	77	30	1.5	--	--	--
19...	39	193	290	94	32	1.6	21	0	8
SEP									
08...	--	178	270	90	37	1.9	--	--	--
OCT									
06...	25	174	250	79	33	1.6	11	0	2
20...	8	177	260	81	30	1.4	4	0	4
NOV									
04...	50	183	270	83	32	1.6	9	0	11
28...	--	--	--	--	--	--	--	--	--
DEC									
01...	20	198	280	83	34	1.7	6	0	2
JAN , 1976									
05...	7	205	300	96	30	1.5	1	0	3
FEB									
24...	45	194	290	96	36	1.9	24	0	3
MAR									
03...	--	144	220	79	38	1.9	--	--	--
30...	--	218	320	100	37	2.1	--	0	3
APR									
06...	--	205	310	100	35	1.9	--	--	--
19...	--	--	--	--	--	--	--	--	--
21...	350	204	290	87	37	2.0	25	0	4
MAY									
04...	--	156	210	59	29	1.2	--	--	--
15...	440	123	170	47	25	.9	--	--	7
JUN									
12...	55	109	140	33	24	.8	--	--	3
JUL									
01...	--	171	250	82	27	1.2	--	--	--
14...	--	--	--	--	--	--	--	--	--
21...	1000	216	310	95	30	1.5	8	0	4
30...	--	--	--	--	--	--	--	--	--
AUG									
12...	--	218	340	120	33	1.8	--	--	--
20...	50	201	310	110	33	1.8	--	--	5
SEP									
07...	--	180	310	130	39	2.2	--	--	--
10...	--	--	--	--	--	--	--	--	--
18...	80	199	320	120	33	1.8	--	--	2
30...	--	--	--	--	--	--	--	--	--

TABLE 5.—CONTINUED

09306500 WHITE RIVER NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	COLOR (PLATINUM-COBALT UNITS)	CYANIDE (CN) (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED ALUMINUM (AL) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BARIUM (BA) (UG/L)
AUG , 1974										
06...	1745	--	--	--	--	--	--	--	--	--
27...	1130	4	--	--	--	--	--	20	2	63
SEP										
10...	1500	--	--	--	--	--	--	--	--	--
17...	1100	7	.00	3.20	2.50	.02	4.5	10	2	0
OCT										
09...	1030	40	.00	.800	.900	--	--	10	4	0
NOV										
12...	1100	5	.00	--	--	--	--	10	1	0
DEC										
03...	1230	5	.00	.300	.500	--	--	10	2	<100
JAN , 1975										
06...	1030	5	.00	1.10	.800	--	4.1	0	1	52
FEB										
03...	1100	3	.00	--	--	--	--	30	3	<100
MAR										
03...	1200	20	.00	2.90	.800	--	--	30	0	<100
APR										
05...	1330	3	.01	--	--	--	--	10	0	0
07...	1045	4	.00	5.80	.800	.00	13	50	1	55
MAY										
05...	1333	--	--	--	--	--	--	--	--	--
JUN										
02...	1240	15	.00	5.40	3.50	--	--	30	0	0
JUL										
09...	1600	35	.00	1.80	1.20	--	14	20	2	130
AUG										
04...	1135	--	--	--	--	--	--	--	--	--
SEP										
08...	1540	--	--	--	--	--	--	--	--	--
OCT										
06...	1300	5	.00	1.50	1.10	.00	3.3	20	1	<100
NOV										
04...	1300	5	.00	.800	.500	--	--	40	1	0
DEC										
01...	1500	5	.00	.900	.000	--	--	30	0	100
JAN , 1976										
05...	1545	4	.00	1.80	.400	--	3.1	0	0	60
MAR										
03...	1400	--	--	--	--	--	--	--	--	--
30...	1530	--	.00	--	--	--	--	10	0	0
APR										
06...	1530	--	--	--	--	--	--	--	--	--
21...	1400	10	.00	--	--	.00	--	20	1	0
MAY										
04...	1500	--	--	--	--	--	--	--	--	--
15...	0840	27	.00	--	--	--	--	40	1	--
JUN										
12...	1025	30	.00	--	--	--	--	10	0	--
JUL										
01...	1400	--	--	--	--	--	--	--	--	--
21...	0755	10	.00	--	--	.00	--	20	2	500
AUG										
12...	1230	--	--	--	--	--	--	--	--	--
20...	0920	3	.00	--	--	--	--	0	0	--
SEP										
07...	1215	--	--	--	--	--	--	--	--	--
18...	1300	4	.00	--	--	--	--	10	2	--

TABLE 5.—CONTINUED

09306500 WHITE RIVER NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
AUG , 1974									
06...	100	--	--	--	--	--	--	--	--
27...	90	0	0	0	2	20	2	0	20
SEP									
10...	130	--	--	--	--	--	--	--	--
17...	100	0	0	0	2	20	2	13	0
OCT									
09...	130	<1	0	0	6	270	2	0	0
NOV									
12...	80	<1	0	0	0	10	0	0	0
DEC									
03...	70	0	<10	1	1	40	2	<10	0
JAN , 1975									
06...	70	0	0	0	4	40	1	10	20
FEB									
03...	50	0	10	0	1	10	0	10	10
MAR									
03...	70	0	0	0	5	20	0	30	30
APR									
05...	60	0	0	0	2	20	0	20	5
07...	100	0	0	0	4	30	0	30	0
MAY									
05...	60	--	--	--	--	--	--	--	--
JUN									
02...	40	0	0	0	2	60	0	0	0
JUL									
09...	40	0	0	1	1	20	0	0	0
AUG									
04...	90	--	--	--	--	--	--	--	--
SEP									
08...	80	--	--	--	8	20	--	--	0
OCT									
06...	60	0	10	1	1	0	0	10	10
NOV									
04...	50	1	4	1	3	30	0	10	4
DEC									
01...	70	0	<10	0	5	30	0	10	0
JAN , 1976									
05...	50	0	0	1	3	0	1	10	0
MAR									
03...	100	--	--	--	--	--	--	--	--
30...	60	0	0	<11	2	10	1	20	0
APR									
06	70	--	--	--	--	30	--	--	0
21	80	0	0	<10	3	80	0	0	10
MAY									
04...	60	--	--	--	--	60	--	--	10
15	30	--	--	--	--	10	--	--	0
JUN									
12...	40	--	--	--	--	30	--	--	0
JUL									
01	50	--	--	--	--	--	--	--	--
21	140	0	0	<10	6	30	2	20	0
AUG									
12...	90	--	--	--	--	--	--	--	--
20...	80	--	--	--	--	10	--	--	10
SEP									
07...	90	--	--	--	--	--	--	--	--
18...	80	--	--	--	--	10	--	--	0

09306500 WHITE RIVER NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)
AUG , 1974									
06...	--	--	--	--	--	--	--	--	--
27...	.0	4	1	--	.7	10	--	--	--
SEP									
10...	--	--	--	--	--	--	--	--	--
17...	.0	4	<1	1	.6	20	--	--	--
OCT									
09...	.0	2	4	1	.6	30	6.9	3.5	2.9
NOV									
12...	.0	2	12	1	2.8	110	<5.6	3.0	2.4
DEC									
03...	.1	3	3	1	2.2	<10	8.8	3.8	3.1
JAN , 1975									
06...	.2	1	10	2	4.2	10	28	12	9.9
FEB									
03...	.0	2	0	1	.0	20	8.5	4.3	3.6
MAR									
03...	.0	3	0	1	1.6	20	12	6.8	5.4
APR									
05...	.0	4	0	2	1.8	10	<9.2	3.2	2.8
07...	.0	3	3	2	.4	10	35	7.5	9.2
MAY									
05...	--	--	--	--	--	--	--	--	--
JUN									
02...	.0	3	1	1	.4	0	<4.3	4.2	3.4
JUL									
09...	.0	1	5	0	1.6	20	10	6.0	4.9
AUG									
04...	--	--	--	--	--	--	--	--	--
SEP									
08...	--	--	--	--	--	--	--	--	--
OCT									
06...	.0	3	2	1	2.1	10	7.9	3.7	3.0
NOV									
04...	.0	2	5	1	2.7	20	<6.9	1.9	1.6
DEC									
01...	.0	3	3	1	1.5	0	14	3.1	2.5
JAN , 1976									
05...	.1	4	2	1	1.4	0	<6.3	5.0	4.0
MAR									
03...	--	--	--	--	--	--	--	--	--
30...	.0	3	4	1	1.5	10	17	2.9	2.3
APR									
06...	--	--	--	--	--	--	--	--	--
21...	.0	3	2	2	1.8	0	11	<1.9	<1.6
MAY									
04...	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--
JUN									
12...	--	--	--	--	--	--	--	--	--
JUL									
01...	--	--	--	--	--	--	--	--	--
21...	.3	0	3	3	1.7	0	9.3	6.3	5.2
AUG									
12...	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--
SEP									
07...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--

TABLE 5.--CONTINUED

09306500 WHITE RIVER NEAR WATSON, UTAH--CONTINUED

WATER-QUALITY DATA--CONTINUED

DATE	TIME	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
AUG , 1974										
27...	1130	<3	<10	<4	<11	<1	950	<8	<5	<12
SEP										
17...	1100	0	--	--	--	0	1000	--	--	--
JAN , 1975										
06...	1030	<10	<11	<5	<11	0	1100	<11	<8	<18
APR										
07...	1045	<2	<4	<2	<6	0	990	<4	2	<8
JUL										
09...	1600	0	<2	0	<2	0	60	<2	6	<3
OCT										
06...	1300	0	<3	<2	<7	0	870	<3	<2	<5
JAN , 1976										
05...	1545	0	<10	<5	<20	0	980	<10	<6	<20
MAR										
30...	1530	10	<17	<6	<10	<2	1000	<17	<3	<30
APR										
21...	1400	0	<10	<5	<20	<1	880	<10	<6	<20
MAY										
15...	0840	--	--	--	--	--	480	--	--	--
JUN										
12...	1025	--	--	--	--	--	400	--	--	--
JUL										
21...	0755	10	<15	<5	<10	<2	1000	<15	<10	<20
AUG										
20...	0920	--	--	--	--	--	950	--	--	--
SEP										
18...	1300	--	--	--	--	--	1000	--	--	--

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)
AUG , 1974								
27...	1130	.00	.00	.0	.00	.00	.00	.00
APR , 1975								
07...	1045	.00	.00	.0	.00	.00	.00	.00
OCT								
06...	1300	.00	.00	.0	.00	.00	.00	.00
APR , 1976								
21...	1400	.00	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL TOX-APHENE (UG/L)	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
AUG , 1974								
27...	.00	0	.00	.00	.0	.00	.00	.00
APR , 1975								
07...	.00	0	.00	.00	.0	.00	.00	.00
OCT								
06...	.00	0	.00	.00	.0	.00	.00	.00
APR , 1976								
21...	.00	0	.00	.00	.0	.00	.00	.00

TABLE 5.—CONTINUED

09306500 WHITE RIVER NEAR WATSON, UTAH—CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	922	886	1010	948	856	844	838	792
2			---	---	926	922	948	912	878	856	924	822
3			---	---	972	926	912	886	878	---	910	874
4			---	---	1010	972	886	876	---	---	906	848
5			---	---	1010	932	888	876	---	---	854	820
6			---	---	932	842	912	888	874	840	852	820
7			---	---	842	806	916	904	880	868	848	830
8			804	780	808	790	912	902	872	852	850	822
9			812	792	820	790	902	892	860	828	842	832
10			830	792	868	820	892	880	856	838	842	836
11			832	794	910	868	880	836	862	834	844	836
12			810	768	952	910	836	824	834	816	852	844
13			808	784	992	952	828	824	834	820	864	852
14			818	802	1010	992	846	828	820	820	870	856
15			844	816	1010	968	858	846	836	820	874	862
16			844	786	968	876	878	858	846	836	880	870
17			820	796	876	858	890	878	836	808	894	880
18			818	804	858	846	892	876	826	818	918	894
19			822	806	848	836	876	838	840	826	914	870
20			834	820	848	844	842	810	848	834	890	870
21			842	802	846	820	810	794	866	848	918	890
22			816	798	820	812	808	798	894	866	940	918
23			844	808	836	820	818	804	900	864	956	938
24			856	816	856	836	826	818	866	844	970	950
25			832	802	884	836	836	822	888	852	988	970
26			820	796	902	884	840	828	922	888	---	---
27			828	814	932	902	848	828	916	832	---	---
28			832	812	962	930	828	802	908	788	---	---
29			840	828	1010	962	810	806	---	---	---	---
30			886	840	1040	1010	834	810	---	---	---	---
31			---	---	1040	1010	844	834	---	---	---	---
MONTH			---	---	1040	790	1010	794	922	788	988	792

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			732	712					---	---	786	764
2			734	716					---	---	806	780
3			738	718					---	---	818	790
4			742	726					---	---	820	788
5			748	730					---	---	816	776
6			738	724					---	---	806	786
7			742	732					---	---	810	798
8			756	740					---	---	824	808
9			778	752					---	---	832	818
10			796	772					---	---	---	---
11			816	792					---	---	---	---
12			832	682					---	---	---	---
13			682	644					---	---	---	---
14			664	636					---	---	---	---
15			778	482					---	---	---	---
16			564	478					---	---	---	---
17			---	---					---	---	820	780
18			---	---					---	---	788	770
19			---	---					---	---	792	764
20			---	---					---	---	782	758
21			---	---					---	---	770	750
22			---	---					---	---	774	748
23			---	---					902	772	776	750
24			---	---					774	766	772	740
25			---	---					770	746	764	736
26			---	---					768	744	762	736
27			---	---					770	750	744	730
28			---	---					778	754	748	722
29			---	---					806	774	740	712
30			---	---					802	766	724	706
31			---	---					798	778	---	---
MONTH			---	---					---	---	---	---
YEAR	1040	478										

09306500 WHITE RIVER NEAR WATSON, UTAH—CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	730	706	804	698	626	528	---	---	---	---	750	680
2	732	700	738	716	624	612	---	---	---	---	712	634
3	724	700	756	714	620	582	---	---	---	---	684	572
4	728	710	712	694	582	542	---	---	---	---	698	670
5	734	708	710	690	570	540	---	---	---	---	712	630
6	730	716	---	---	568	532	---	---	---	---	728	700
7	732	714	---	---	580	528	---	---	---	---	746	716
8	734	722	---	---	582	560	---	---	---	---	746	706
9	734	722	---	---	572	558	---	---	676	522	712	648
10	738	718	---	---	590	554	---	---	614	514	672	608
11	754	716	---	---	554	528	---	---	574	518	678	636
12	730	718	714	696	528	520	---	---	516	474	728	646
13	736	726	736	712	532	514	---	---	602	482	728	660
14	740	732	736	690	520	506	---	---	708	554	782	726
15	744	724	750	700	540	518	632	594	712	668	820	724
16	746	722	748	718	562	540	632	602	738	664	932	510
17	724	686	738	698	564	556	640	604	744	704	916	410
18	708	686	724	684	582	556	658	640	744	592	870	626
19	712	692	720	702	688	582	658	614	728	590	994	840
20	714	692	724	486	672	626	620	606	792	634	836	642
21	718	696	726	450	702	624	626	614	794	740	860	624
22	718	702	724	682	708	700	632	624	796	716	892	706
23	846	690	718	638	700	700	636	628	752	600	938	740
24	814	694	730	630	700	700	648	630	682	574	978	900
25	708	702	704	656	700	700	650	644	824	686	1020	952
26	722	700	706	558	700	658	646	606	854	726	1010	940
27	750	720	596	562	658	632	606	578	792	672	994	962
28	778	750	562	542	632	628	580	554	854	542	1020	996
29	776	744	568	552	628	622	624	568	814	738	1030	958
30	770	728	572	536	622	622	640	624	---	---	1030	974
31	726	694	---	---	622	622	638	564	---	---	1010	946
MONTH	846	686	804	450	708	506	---	---	---	---	1030	410

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	1000	964	752	672	296	266						
2	1000	956	670	608	310	290						
3	996	934	620	608	310	286						
4	984	928	618	512	296	278						
5	942	912	512	496	298	282						
6	932	890	514	496	294	278						
7	910	868	538	514	310	292						
8	888	856	548	536	330	310						
9	886	852	550	542	356	330						
10	908	886	706	362	354	326						
11	918	900	514	440	334	320						
12	900	850	508	470	328	316						
13	850	816	476	440	330	322						
14	814	776	458	438	328	312						
15	808	774	458	434	354	328						
16	804	794	434	368	372	356						
17	812	790	398	366	382	370						
18	800	790	390	370	392	378						
19	840	790	386	352	400	380						
20	850	812	364	348	402	384						
21	910	850	354	340	510	382						
22	918	880	350	340	584	436						
23	880	864	364	348	1110	578						
24	866	836	376	324	634	458						
25	846	806	386	358	554	488						
26	804	774	410	384	546	508						
27	780	768	420	398	570	546						
28	774	746	424	392	---	---						
29	754	742	396	304	---	---						
30	754	736	304	286	---	---						
31	---	---	288	270	---	---						
MONTH	1000	736	752	270	1110	266						
YEAR	1110	266										

TABLE 5.—CONTINUED

09306500 WHITE RIVER NEAR WATSON, UTAH—CONTINUED

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	0.0	0.0	0.0	0.0	1.0	0.5	0.0	0.0
2			---	---	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0
3			---	---	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0
4			---	---	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
5			---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6			---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7			---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
8			8.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
9			6.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
10			6.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
11			5.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12			4.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
13			4.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
14			4.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
15			4.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0
16			4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
17			3.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0
18			3.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0
19			4.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0
20			3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0
21			3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	6.0
22			3.0	1.5	0.0	0.0	1.0	0.0	0.0	0.0	8.0	4.5
23			4.0	2.5	0.0	0.0	1.5	1.0	0.0	0.0	5.5	2.5
24			3.5	1.5	0.0	0.0	1.0	1.0	0.0	0.0	6.5	2.5
25			2.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0	6.0	4.5
26			2.5	0.0	0.0	0.0	1.0	0.5	0.0	0.0	6.0	2.5
27			1.0	0.0	0.0	0.0	1.0	0.5	0.0	0.0	3.5	0.5
28			2.5	0.5	0.0	0.0	1.0	0.5	0.0	0.0	1.0	0.0
29			0.5	0.0	0.0	0.0	1.0	0.5	---	---	2.0	0.0
30			0.0	0.0	0.0	0.0	1.0	0.5	---	---	4.5	0.0
31			---	---	0.0	0.0	1.0	0.5	---	---	4.5	2.0
MONTH			---	---	0.0	0.0	1.5	0.0	1.0	0.0	10.0	0.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	4.5	1.0	12.5	8.5					---	---	21.0	16.5
2	5.5	0.5	14.0	9.5					---	---	22.0	17.0
3	7.0	1.5	15.0	10.0					---	---	22.0	16.5
4	9.0	3.5	12.5	11.5					---	---	22.0	17.0
5	10.0	5.0	11.0	8.0					---	---	22.0	16.5
6	10.0	6.5	11.0	6.5					---	---	22.0	16.5
7	8.5	5.5	10.0	7.0					---	---	22.0	17.0
8	6.5	4.0	12.0	7.5					---	---	21.0	18.5
9	7.0	4.0	13.5	9.0					---	---	22.5	18.0
10	9.0	4.5	15.5	11.0					---	---	20.5	18.0
11	10.5	1.0	17.0	12.5					---	---	18.5	16.5
12	10.0	6.5	16.0	13.0					---	---	18.5	17.5
13	12.0	6.5	16.5	12.0					---	---	18.5	17.0
14	11.0	8.0	18.5	13.5					---	---	18.5	17.0
15	11.0	8.5	18.0	15.5					---	---	18.5	18.0
16	12.5	8.0	---	---					---	---	18.5	18.0
17	12.5	8.5	---	---					---	---	20.0	17.5
18	11.0	7.5	---	---					---	---	18.5	15.0
19	11.5	7.5	---	---					---	---	17.5	12.5
20	14.5	8.5	---	---					---	---	16.0	12.5
21	15.0	9.5	---	---					---	---	16.0	12.5
22	14.0	11.5	---	---					---	---	16.0	11.0
23	14.5	10.5	---	---					21.5	17.5	16.0	11.0
24	15.5	10.5	---	---					21.0	17.5	16.0	11.0
25	14.5	12.0	---	---					21.0	15.0	16.0	12.0
26	12.0	9.5	---	---					22.0	16.0	15.5	11.5
27	11.0	8.5	---	---					19.5	17.0	16.5	12.0
28	9.5	7.0	---	---					21.5	16.0	15.5	10.0
29	10.0	7.5	---	---					21.5	12.5	15.5	11.0
30	13.0	7.0	---	---					22.0	16.0	15.5	11.5
31	---	---	---	---					22.0	16.5	---	---
MONTH	15.5	0.5	---	---					---	---	22.5	10.0
YEAR	22.5	0.0										

09306500 WHITE RIVER NEAR WATSON, UTAH—CONTINUED

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	14.5	10.5	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	14.5	10.0	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	14.5	10.0	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	14.0	10.5	8.5	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	15.0	10.5	8.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	14.5	11.0	7.5	5.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	14.0	12.0	7.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	12.5	9.5	7.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	12.0	8.5	6.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	12.5	8.5	4.5	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	12.5	9.0	4.0	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	12.5	9.5	2.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	11.5	9.5	2.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	11.5	8.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	10.5	7.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	10.5	7.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	11.0	7.0	3.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
18	11.5	7.5	3.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
19	11.5	7.5	3.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
20	11.0	7.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0
21	10.5	7.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0
22	9.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0
23	8.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	0.0
24	6.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
25	5.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
26	6.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
27	5.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
28	6.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
29	---	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	4.0
30	---	---	0.0	0.0	0.0	0.0	0.0	0.0	---	---	9.5	4.0
31	---	---	---	---	0.0	0.0	0.0	0.0	---	---	11.0	4.5
MONTH	15.0	2.5	8.5	0.0	3.0	0.0	0.0	0.0	0.0	0.0	---	0.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	11.0	6.5	16.5	11.5	17.0	13.5						
2	11.5	6.5	17.0	12.0	18.0	14.5						
3	12.5	7.0	16.5	12.5	17.0	15.5						
4	12.5	8.0	16.0	13.0	18.0	14.5						
5	10.5	8.5	16.0	12.5	18.5	15.0						
6	9.0	7.0	14.0	13.0	18.5	15.5						
7	10.5	7.0	14.5	12.5	18.0	15.5						
8	12.0	7.0	14.5	12.5	18.5	15.5						
9	13.5	8.5	16.5	12.5	19.5	16.0						
10	14.0	8.0	17.0	12.5	19.0	16.5						
11	14.0	9.0	16.5	14.0	17.5	15.0						
12	13.5	10.0	15.5	10.5	17.5	14.0						
13	12.0	10.0	16.0	12.0	16.5	14.0						
14	11.0	8.0	17.5	13.0	15.5	12.0						
15	11.5	8.0	17.0	14.5	17.0	12.5						
16	13.0	9.0	15.5	13.0	16.0	14.5						
17	12.5	9.0	16.5	12.5	17.0	13.5						
18	11.5	9.0	17.0	14.0	19.5	14.0						
19	13.0	9.0	16.0	14.5	20.0	15.5						
20	14.0	8.5	15.5	13.5	21.0	17.0						
21	14.0	10.0	14.5	12.5	22.0	17.5						
22	12.5	10.0	13.0	12.0	20.5	15.5						
23	15.0	10.0	15.5	12.0	20.0	16.0						
24	15.5	9.5	14.5	12.0	19.5	16.0						
25	14.5	11.0	15.0	12.5	20.0	15.5						
26	12.5	8.5	16.0	12.5	21.5	16.5						
27	13.5	8.0	18.5	14.0	23.0	17.0						
28	15.0	9.0	18.0	15.5	24.5	18.5						
29	16.0	11.0	17.5	15.0	---	---						
30	16.5	11.5	16.0	15.0	---	---						
31	---	---	16.5	13.5	---	---						
MONTH	16.5	6.5	18.5	10.5	24.5	12.0						
YEAR	24.5	0.0										

TABLE 5.—CONTINUED

09306600 WHITE RIVER ABOVE SOUTHAM CANYON, NEAR WATSON, UTAH

LOCATION.--LAT 39 56 51 , LONG 109 12 23 , IN NW1/4 NW1/4 SW1/4 SEC. 15, T.10 S., R.24 E., UINTAH COUNTY, ON LEFT BANK 2.2 MILES (3.5 KM) UPSTREAM FROM SOUTHAM CANYON AND 5.2 MILES (8.4 KM) NORTHWEST OF WATSON.

DRAINAGE AREA.--4,030 MI2 (10,440 KM2), APPROXIMATELY.

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO JAN. 6, 1976, AND APR. 6 TO JULY 8, 1976 (DISCONTINUED).
CHEMICAL ANALYSES: AUGUST 1974 TO JUNE 1976 (DISCONTINUED).
WATER TEMPERATURES: OCTOBER 1974 TO SEPTEMBER 1975 (DISCONTINUED).

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 4,900 FT (1,494 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE NOT DETERMINED, OCCURRED DURING PERIOD OF QUESTIONABLE GAGE-HEIGHT RECORD; MINIMUM DAILY, 180 FT3/S (5.10 M3/S) DEC. 26, 27.
WATER TEMPERATURES: MAXIMUM RECORDED, 26.0 C JULY 28; MINIMUM, FREEZING POINT ON MANY DAYS.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DAILY DISCHARGE DURING PERIOD OF RECORD, 2,200 FT3/S (62.3 M3/S) MAY 22 (GAGE HEIGHT, 6.70 FT OR 2.042 M); MINIMUM DAILY DURING PERIOD OF RECORD 210 FT3/S (5.95 M3/S) DEC. 27 TO JAN. 6.

REMARKS.--DISCHARGE: RECORDS FAIR.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	427	436	404	350	390	470	452	496	1540	2400	655	333
2	416	440	336	350	400	540	436	483	1630	2380	588	327
3	425	444	267	350	410	580	404	459	1900	2380	564	322
4	413	424	309	300	380	580	404	452	2110	2410	556	332
5	422	428	358	270	355	621	436	489	2370	2450	535	336
6	437	428	464	270	370	558	480	569	2730	2480	509	332
7	448	400	452	300	400	640	484	638	2730	2490	481	317
8	445	400	432	330	410	639	486	607	3480	2370	473	311
9	446	404	336	330	410	604	482	553	3820	2180	487	318
10	452	420	330	300	420	594	446	519	3910	2070	488	377
11	462	440	238	270	410	560	410	517	2970	1850	473	660
12	461	444	215	270	410	520	408	572	2410	1590	474	514
13	484	440	225	300	410	565	411	691	2190	1430	517	461
14	460	464	277	320	400	510	411	741	2290	1350	461	460
15	452	484	293	320	400	488	406	819	2550	1240	457	496
16	440	476	339	290	400	476	412	1060	3000	1230	484	468
17	432	468	352	330	400	525	421	1320	3200	1390	471	460
18	420	456	331	380	380	472	416	1640	3150	1310	446	453
19	416	456	295	380	360	496	416	1970	3000	1230	416	479
20	412	472	340	350	350	496	417	1840	2850	1220	396	479
21	404	460	388	320	340	464	413	2180	2440	1220	395	489
22	412	432	354	320	330	500	414	2460	2330	1210	416	495
23	420	468	344	360	310	476	415	2240	2220	1200	436	513
24	424	480	230	390	310	440	440	1840	2110	947	429	531
25	404	468	200	420	340	420	486	1600	2220	747	409	556
26	416	444	180	450	360	432	488	1700	2310	714	397	559
27	412	444	180	450	390	444	484	1650	2200	712	400	529
28	408	460	200	450	420	388	484	1880	2100	646	382	527
29	412	400	230	400	---	392	484	1910	2220	629	374	498
30	416	400	260	350	---	396	480	1810	2310	662	376	460
31	428	---	290	350	---	396	---	1560	---	641	355	---
TOTAL	13326	13280	9449	10620	10665	15682	13226	37265	76290	46778	14300	13392
MEAN	430	443	305	343	381	506	441	1202	2543	1509	461	446
MAX	484	484	464	450	420	640	488	2460	3910	2490	655	660
MIN	404	400	180	270	310	388	404	452	1540	629	355	311
AC-FT	26430	26340	18740	21060	21150	31110	26230	73920	151300	92780	28360	26560

WTR YR 1975 TOTAL 274273 MEAN 751 MAX 3910 MIN 180 AC-FT 544000

NOTE.--UNRELIABLE GAGE-HEIGHT RECORD JUNE 6 TO JULY 24.

09306600 WHITE RIVER ABOVE SOUTHAM CANYON, NEAR WATSON, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	440	495	300	210			---	680	1750	615		
2	443	505	340	210			---	690	1560	566		
3	440	490	380	210			---	770	1520	542		
4	440	480	400	210			---	908	1650	506		
5	436	485	400	210			---	950	1660	490		
6	422	480	400	210			558	1080	1660	490		
7	415	475	400	---			584	1140	1700	482		
8	422	475	400	---			554	1180	1640	458		
9	430	475	400	---			534	1230	1570	---		
10	450	475	400	---			490	1240	1550	---		
11	430	470	400	---			510	1200	1550	---		
12	415	455	400	---			526	1270	1480	---		
13	410	445	390	---			542	1380	1300	---		
14	415	400	300	---			592	1310	1150	---		
15	435	400	250	---			574	1410	1120	---		
16	450	410	230	---			542	1720	1050	---		
17	450	410	220	---			542	1730	944	---		
18	450	410	220	---			542	1780	896	---		
19	450	410	230	---			550	1930	938	---		
20	450	410	250	---			558	2000	855	---		
21	440	400	250	---			518	2100	770	---		
22	440	390	250	---			490	2200	805	---		
23	460	390	250	---			482	2100	884	---		
24	480	390	250	---			490	2000	1060	---		
25	480	390	250	---			510	1860	998	---		
26	475	390	220	---			518	1750	890	---		
27	455	330	210	---			546	1530	795	---		
28	490	290	210	---			546	1410	745	---		
29	475	290	210	---			530	1460	675	---		
30	460	300	210	---			584	1590	651	---		
31	470	---	210	---			---	1750	---	---		
TOTAL	13818	12615	9230	---			---	45348	35816	---		
MEAN	446	421	298	---			---	1463	1194	---		
MAX	490	505	400	---			---	2200	1750	---		
MIN	410	290	210	---			---	680	651	---		
AC-FT	27410	25020	18310	---			---	89950	71040	---		

CAL YR 1975 TOTAL 273881 MEAN 750 MAX 3910 MIN 210 AC-FT 543200

TABLE 5.—CONTINUED

09306600 WHITE RIVER ABOVE SOUTHAM CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
AUG , 1974										
28...	1200	289	18.0	1100	8.1	8.2	11	68	36	130
SEP										
18...	1100	424	15.5	900	8.0	--	14	76	30	72
OCT										
08...	1630	466	14.0	690	7.9	--	14	66	24	60
23...	1330	461	6.8	791	--	--	12	65	25	68
NOV										
14...	1245	456	4.0	790	8.5	--	13	66	25	66
22...	1240	390	3.2	838	--	--	12	70	25	66
DEC										
04...	1300	337	.0	850	8.4	--	15	83	31	88
16...	1340	387	.4	884	--	--	14	73	27	68
JAN , 1975										
08...	1100	359	.0	830	8.2	10.0	17	82	27	69
21...	1400	329	.4	802	--	--	16	68	23	63
FEB										
04...	1145	350	.0	825	8.1	9.7	16	72	25	65
18...	1120	400	.1	700	--	--	14	67	26	70
MAR										
04...	1230	550	.5	825	7.8	9.0	12	62	28	77
18...	--	482	2.0	924	--	--	12	70	32	82
APR										
08...	1430	495	4.0	1000	7.9	10.5	12	76	35	100
23...	1340	430	13.0	850	8.3	7.4	12	72	33	83
MAY										
06...	1230	591	7.9	810	8.2	8.7	11	64	28	75
21...	1345	2721	10.2	425	--	2.4	11	43	17	30
JUN										
05...	1130	2388	15.0	420	8.0	7.8	11	40	15	28
24...	1010	2310	14.4	388	8.8	4.8	17	44	15	21
JUL										
09...	1400	2160	20.5	360	8.1	8.0	13	43	14	32
14...	1245	1420	20.9	442	7.2	--	14	42	15	36
AUG										
06...	1430	496	22.0	700	8.2	7.5	15	65	24	55
20...	1200	385	19.2	742	--	--	13	62	30	62
SEP										
10...	1130	377	19.0	780	8.4	7.2	8.4	63	29	74
OCT										
08...	1320	409	10.0	740	8.7	9.1	11	64	24	55
21...	1010	430	7.0	710	--	--	11	67	23	52
NOV										
28...	--	290	--	--	--	--	--	--	--	--
DEC										
01...	1530	299	.5	750	7.7	11.7	14	73	23	64
APR , 1976										
19...	--	550	10.0	--	--	--	--	--	--	--
22...	1300	503	12.5	897	--	7.8	12	71	30	78
MAY										
19...	1710	1930	15.0	370	8.0	--	11	39	12	19
JUN										
16...	1140	1063	14.5	475	8.3	--	13	50	17	30

TABLE 5.—CONTINUED

09306600 WHITE RIVER ABOVE SOUTHAM CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DIS-SOL-VED SUL-FIDE (S) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
AUG , 1974									
28...	5.0	254	0	220	120	.3	.5	.3	.09
SEP									
18...	3.0	260	0	190	39	.3	.0	.2	.01
OCT									
08...	2.0	223	0	160	33	.2	.1	.2	.01
23...	2.3	225	0	170	40	.2	.1	.1	.00
NOV									
14...	1.1	236	3	160	34	.2	.1	.0	1.1
22...	1.8	241	0	170	35	.2	.1	.0	.01
DEC									
04...	2.5	295	0	200	50	.3	.1	.0	.00
16...	1.8	257	0	160	41	.3	.3	.2	.18
JAN , 1975									
08...	2.1	267	0	180	44	.2	.1	.1	.35
21...	2.3	239	0	160	37	.2	.1	.0	.28
FEB									
04...	1.8	249	0	170	39	.2	.1	.2	.29
18...	1.8	243	0	170	39	.3	.1	.0	.19
MAR									
04...	2.8	221	0	180	39	.2	.1	.1	.33
18...	2.5	243	0	200	43	.2	.1	.2	.12
APR									
08...	2.6	262	0	260	47	.0	.1	1.3	.11
23...	2.5	247	0	220	42	.3	.1	.0	.01
MAY									
06...	2.1	212	0	190	42	.2	.2	.0	.01
21...	2.0	153	0	83	14	.2	.1	.2	.32
JUN									
05...	1.5	153	0	66	11	.2	.0	.1	.22
24...	1.3	158	0	75	8.6	.2	.0	.0	.11
JUL									
09...	2.0	154	0	91	12	.3	.0	.0	.16
14...	2.1	172	0	88	13	.3	.0	.2	.09
AUG									
06...	2.4	235	0	150	26	.3	.1	.0	.05
20...	2.2	238	--	180	30	.3	.1	2.0	.01
SEP									
10...	2.4	233	1	190	37	.3	.1	.0	.01
OCT									
08...	1.7	210	2	150	33	.3	.1	.2	.00
OCT									
21...	1.6	217	0	140	32	.2	.0	.0	.00
NOV									
28...	--	--	--	--	--	--	--	--	--
DEC									
01...	1.7	243	0	160	35	.3	.1	.0	.21
APR , 1976									
19...	--	--	--	--	--	--	--	--	--
22...	2.2	239	3	220	35	.2	.1	.0	.08
MAY									
19...	1.4	141	0	63	11	.2	--	--	.29
JUN									
16...	1.6	168	0	88	16	.3	--	--	.06

TABLE 5.—CONTINUED

09306600 WHITE RIVER ABOVE SOUTHAM CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)
AUG , 1974									
28...	.00	.06	.26	.00	.08	717	718	559	.98
SEP									
18...	.00	.01	.79	.00	.05	549	554	--	.75
OCT									
08...	.01	.04	.38	.00	.06	475	470	598	.65
23...	.00	.03	.26	.00	.05	503	494	626	.68
NOV									
14...	.00	.03	.11	.02	.02	508	490	625	.69
22...	.01	.00	.03	.02	.05	522	499	550	.71
DEC									
04...	.00	.01	.14	.01	.05	623	617	567	.85
16...	.00	.04	.33	.05	.11	533	513	557	.72
JAN , 1975									
08...	.00	.07	.27	.00	.00	563	556	546	.77
21...	.01	.07	.38	.02	.05	499	489	443	.68
FEB									
04...	.01	.11	.31	.02	.07	535	514	506	.73
18...	.00	.11	.38	.03	.08	515	509	556	.70
MAR									
04...	.04	.12	.84	.01	.23	527	512	783	.72
18...	.01	.07	.95	.03	.26	586	563	763	.80
APR									
08...	.00	.01	1.2	.00	.48	674	665	901	.92
23...	.00	.02	1.3	.03	.25	591	587	686	.80
MAY									
06...	.00	.02	.62	.01	.19	536	517	855	.73
21...	.00	.02	4.6	.02	1.4	291	277	2140	.40
JUN									
05...	.03	.06	2.4	.04	1.7	246	250	1590	.33
24...	.02	.04	1.1	.06	.49	245	261	1530	.33
JUL									
09...	.02	.00	7.6	.00	.68	289	285	1690	.39
14...	.01	.00	1.6	.01	1.9	319	296	1220	.43
AUG									
06...	.01	.04	.47	.02	.47	468	454	627	.64
20...	.00	.00	.34	.00	.02	490	499	509	.67
SEP									
10...	.00	.00	.30	.00	.05	522	520	531	.71
OCT									
08...	.00	.00	.44	.00	.04	464	446	512	.63
21...	.00	.00	.25	.00	.04	459	434	533	.62
NOV									
28...	--	--	--	--	--	--	--	--	--
DEC									
01...	.01	.00	1.1	.02	.03	504	492	407	.69
APR , 1976									
19...	--	--	--	--	--	--	--	--	--
22...	.00	.03	.72	.00	.28	590	571	801	.80
MAY									
19...	.01	.03	.71	.01	.49	224	228	1170	.30
JUN									
16...	.00	.00	.46	.01	.10	330	300	947	.45

TABLE 5.—CONTINUED

09306600 WHITE RIVER ABOVE SOUTHAM CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (UG/L)
AUG , 1974									
28...	--	208	320	110	47	3.2	12	--	--
SEP									
18...	--	213	310	100	33	1.8	12	2	1
OCT									
08...	--	183	260	81	33	1.6	36	180	3
23...	--	185	270	81	36	1.8	4	2	2
NOV									
14...	--	199	270	69	35	1.8	13	0	0
22...	20	198	280	80	34	1.7	10	1	1
DEC									
04...	30	242	340	94	36	2.1	8	0	1
16...	40	211	290	83	33	1.7	3	--	2
JAN , 1975									
08...	7	219	320	98	32	1.7	14	7	2
21...	20	196	260	68	34	1.7	8	5	5
FEB									
04...	10	204	280	79	33	1.7	4	3	7
18...	20	199	270	75	36	1.8	4	6	0
MAR									
04...	200	181	270	89	38	2.0	21	7	7
18...	500	199	310	110	37	2.0	45	3	7
APR									
08...	400	215	340	120	39	2.4	36	2	5
23...	38	203	320	110	36	2.0	14	2	6
MAY									
06...	150	174	280	100	37	2.0	13	2	4
21...	1400	126	180	52	27	1.0	150	3	7
JUN									
05...	500	126	160	36	27	1.0	75	2	4
24...	160	130	170	42	21	.7	27	5	3
JUL									
09...	2000	126	170	39	29	1.1	200	2	14
14...	2000	141	170	26	32	1.2	81	* 1	8
AUG									
06...	60	193	260	68	31	1.5	17	0	2
20...	34	195	280	83	32	1.6	12	1	5
SEP									
10...	2	193	280	84	37	1.9	10	0	1
OCT									
08...	25	176	260	84	31	1.5	10	0	2
21...	10	178	260	84	30	1.4	2	0	3
NOV									
28...	--	--	--	--	--	--	--	--	--
DEC									
01...	30	199	280	78	33	1.7	11	0	1
APR , 1976									
19...	--	--	--	--	--	--	--	--	--
22...	170	201	300	100	36	2.0	25	0	4
MAY									
19...	310	116	150	32	22	.7	--	--	0
JUN									
16...	65	138	200	58	25	.9	--	--	1

* ESTIMATED.

TABLE 5.—CONTINUED

09306600 WHITE RIVER ABOVE SOUTHAM CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	COLOR (PLATINUM-COBALT UNITS)	CYANIDE (CN) (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED ALUMINUM (AL) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BARIUM (BA) (UG/L)
AUG , 1974										
28...	1200	5	--	--	--	--	--	0	2	74
SEP										
18...	1100	8	.00	4.20	2.70	.03	7.0	20	2	0
OCT										
08...	1630	5	.00	.900	.000	--	--	0	2	0
NOV										
14...	1245	5	.00	--	--	--	--	10	1	0
DEC										
04...	1300	5	.00	--	--	--	--	0	2	<100
JAN , 1975										
08...	1100	5	.00	1.60	2.90	--	3.1	0	1	56
FEB										
04...	1145	3	.00	.000	.000	--	--	30	2	<100
MAR										
04...	1230	20	.00	4.20	5.60	--	--	40	0	100
APR										
08...	1430	4	.00	7.10	.800	.00	8.0	80	2	<100
MAY										
06...	1230	5	.01	--	--	--	--	30	1	0
JUN										
05...	1130	20	.00	7.90	3.10	--	--	80	2	0
JUL										
09...	1400	40	.00	11.0	12.0	--	48	30	0	65
AUG										
06...	1430	10	.00	--	--	--	--	20	1	<100
SEP										
10...	1130	9	.00	--	--	--	--	30	0	<200
OCT										
08...	1320	5	.00	8.80	15.0	.20	7.3	10	1	<100
DEC										
01...	1530	5	.00	1.20	.900	--	--	20	0	100
APR , 1976										
22...	1300	20	.00	--	--	.00	--	20	1	0
MAY										
19...	1710	40	.00	--	--	--	--	10	1	--
JUN										
16...	1140	20	.00	--	--	--	--	0	1	--

DATE	DISSOLVED BORON (B) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED LITHIUM (LI) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
AUG , 1974									
28...	130	0	0	0	1	30	1	60	20
SEP									
18...	90	0	0	0	1	40	1	13	0
OCT									
08...	90	0	0	0	0	100	2	0	0
NOV									
14...	70	<1	0	0	1	10	0	0	0
DEC									
04...	70	1	<10	1	5	60	0	<10	0
JAN , 1975									
08...	60	0	0	0	0	10	0	10	10
FEB									
04...	50	0	20	0	160	10	0	10	10
MAR									
04...	70	0	0	0	120	40	1	20	10
APR									
08...	90	0	0	1	120	80	3	30	0
MAY									
06...	70	0	0	0	2	40	0	20	5
JUN									
05...	40	0	0	0	6	90	0	0	0
JUL									
09...	40	1	0	1	11	40	4	0	0
AUG									
06...	90	1	0	0	3	10	5	0	0
SEP									
10...	90	0	0	0	3	0	0	10	0
OCT									
08...	70	0	10	0	2	0	0	10	10
DEC									
01...	100	0	<10	0	2	0	1	10	0
APR , 1976									
22...	70	1	10	<10	3	20	1	10	10
MAY									
19...	2	--	--	--	--	10	--	--	0
JUN									
16...	60	--	--	--	--	40	--	--	0

TABLE 5.—CONTINUED

09306600 WHITE RIVER ABOVE SOUTHAM CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)
AUG , 1974									
28...	.0	4	<1	--	.4	0	--	--	--
SEP									
18...	.4	3	1	1	.8	10	--	--	--
OCT									
08...	.0	5	4	2	1.4	10	9.7	6.1	5.0
NOV									
14...	.0	2	16	1	2.6	10	--	--	--
DEC									
04...	<.1	3	7	4	1.6	<10	7.4	3.9	3.1
JAN , 1975									
08...	.3	1	8	2	4.8	10	25	9.6	8.0
FEB									
04...	.1	0	0	2	.0	30	<8.1	2.0	1.6
MAR									
04...	.0	3	1	2	1.8	20	<7.1	3.8	3.1
APR									
08...	.0	3	2	2	.3	30	9.5	4.3	5.3
MAY									
06...	.0	4	1	2	1.7	10	12	4.1	3.4
JUN									
05...	.2	1	2	0	.4	0	3.8	3.5	2.9
JUL									
09...	.0	2	6	0	2.0	20	<3.8	2.8	2.3
AUG									
06...	.0	2	6	1	2.2	0	6.4	3.6	2.8
SEP									
10...	.0	2	2	1	1.7	10	17	13	10
OCT									
08...	.0	4	2	1	2.0	10	5.3	8.3	6.6
DEC									
01...	.2	3	4	1	1.5	10	9.1	4.7	3.9
APR , 1976									
22...	.0	3	3	2	1.9	0	<6.6	3.9	3.1
MAY									
19...	--	--	--	--	--	--	--	--	--
JUN									
16...	--	--	--	--	--	--	--	--	--

DATE	TIME	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
AUG , 1974										
28...	1200	<3	<12	<5	<14	<2	1000	<10	<7	<15
SEP										
18...	1100	0	--	--	--	1	1100	--	--	--
DEC										
04...	1300	<1	<4	<2	<4	0	1300	<4	<3	<9
JAN , 1975										
08...	1100	<10	<10	<5	<10	0	980	<10	<8	<20
APR										
08...	1430	<10	--	--	--	0	1000	--	--	--
JUL										
09...	1400	0	<2	0	<2	0	590	<2	10	<3
OCT										
08...	1320	0	<3	<2	<7	0	820	<3	<2	<5
APR , 1976										
22...	1300	0	<10	<5	<20	<1	900	<10	<6	<20
MAY										
19...	1710	--	--	--	--	--	470	--	--	--
JUN										
16...	1140	--	--	--	--	--	750	--	--	--

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)
AUG , 1974								
28...	1200	.00	.00	.0	.00	.00	.00	.00
APR , 1975								
08...	1430	.00	.00	.0	.00	.00	.00	.00
OCT								
08...	1320	.00	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL TOX-APHENE (UG/L)	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
AUG , 1974								
28...	.00	0	.00	.00	.0	.00	.00	.00
APR , 1975								
08...	.00	0	.00	.00	.0	.00	.00	.00
OCT								
08...	.00	0	.00	.00	.0	.00	.00	.00

TABLE 5.—CONTINUED

09306600 WHITE RIVER ABOVE SOUTHAM CANYON, NEAR WATSON, UTAH—CONTINUED

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	3.0	10.5	---	18.0	14.0	18.5	15.5	23.0	19.5	22.0	16.5
2	---	---	11.5	9.5	18.0	15.0	19.0	16.5	23.0	18.5	22.5	17.0
3	---	---	12.5	10.5	17.5	15.5	19.0	17.0	24.0	18.5	22.0	16.0
4	5.5	---	12.5	11.5	17.5	14.5	20.0	17.5	24.5	19.0	22.5	17.0
5	5.5	5.0	11.5	9.5	18.0	14.5	20.5	18.0	24.5	19.5	22.5	16.5
6	6.5	6.0	11.0	8.5	18.0	15.5	21.0	18.0	24.5	20.0	22.0	16.0
7	6.5	6.0	9.5	7.5	17.5	16.0	21.0	18.5	25.0	20.5	22.5	16.5
8	6.0	3.5	12.5	8.0	16.0	14.0	21.5	19.0	24.5	19.0	21.5	18.0
9	5.5	3.5	15.0	9.0	14.5	12.5	22.0	19.5	24.5	19.0	23.0	17.5
10	6.5	4.5	17.5	11.0	13.5	11.5	22.0	19.5	24.0	20.0	---	18.5
11	10.0	6.0	19.0	13.0	13.5	11.0	22.0	19.0	24.0	20.5	---	---
12	10.0	6.5	16.0	12.5	14.5	11.0	22.5	19.5	24.0	19.5	---	---
13	11.5	6.5	18.0	12.0	17.0	14.0	21.5	19.5	22.0	18.5	---	---
14	11.0	8.0	19.5	13.5	18.5	15.5	23.0	19.0	21.5	18.0	---	---
15	10.5	8.5	19.0	15.0	18.5	15.5	22.0	19.5	22.5	17.5	---	---
16	11.5	8.0	17.5	15.0	17.0	15.5	21.0	19.5	22.0	18.5	---	---
17	11.0	9.0	17.5	15.0	15.5	13.5	21.0	17.5	23.0	18.0	---	---
18	10.5	8.0	17.0	15.0	13.5	11.0	23.0	18.5	23.0	18.0	---	---
19	10.5	7.0	14.5	12.5	12.0	10.0	24.0	19.5	21.5	17.0	---	---
20	12.0	9.0	13.0	11.5	12.0	10.5	24.5	21.0	21.0	17.0	---	---
21	13.0	10.0	11.5	10.0	13.0	10.5	24.0	21.0	21.5	18.0	---	---
22	13.0	10.5	10.0	9.0	15.5	12.0	24.5	19.5	22.5	17.5	---	---
23	13.0	11.0	11.5	9.0	16.0	13.5	25.0	20.0	22.0	18.0	---	---
24	---	11.0	14.5	9.5	17.0	14.0	25.0	20.5	22.0	17.0	---	---
25	---	---	15.5	12.0	15.5	13.5	25.5	20.5	21.0	15.5	---	---
26	---	---	15.5	12.5	15.5	12.0	25.5	20.5	22.5	16.0	---	---
27	---	---	14.5	13.0	15.5	12.5	25.5	21.0	20.0	16.5	---	---
28	---	---	13.5	11.5	17.5	14.0	26.0	21.0	21.5	16.0	---	---
29	---	---	12.0	10.0	18.0	15.0	23.5	21.5	22.0	15.5	---	---
30	---	---	13.5	9.0	18.0	15.0	24.0	20.5	22.5	16.0	---	---
31	---	---	16.0	12.0	---	---	24.0	20.5	22.5	16.5	---	---
MONTH	---	---	19.5	7.5	18.5	10.0	26.0	15.5	25.0	15.5	---	---
YEAR	26.0	0.0										

TABLE 5.—CONTINUED

09306605 SOUTHAM CANYON WASH NEAR WATSON, UTAH

LOCATION.--LAT 39 51 00 , LONG 109 13 56 , IN SE1/4 SW1/4 NW1/4 SEC. 34, T.10 S., R.24 E., UINTAH COUNTY, ON RIGHT BANK 3.0 MILES (4.8 KM) NORTHWEST OF WATSON AND 4.5 MILES (7.2 KM) UPSTREAM FROM MOUTH.

DRAINAGE AREA.--2.5 MI2 (6.5 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO SEPTEMBER 1976 (DISCONTINUED).
CHEMICAL ANALYSES: FEBRUARY 12-13, 1976.

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 5,500 FT (1,676 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 2.7 FT3/S (0.076 M3/S) FEB. 27 (GAGE HEIGHT, 0.78 FT OR 0.238 M, FROM HIGH-WATER MARK); NO FLOW OCT. 1 TO FEB. 26, MAR. 1 TO SEPT. 30.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 4.4 FT3/S (0.125 M3/S) DEC. 17 (GAGE HEIGHT, 0.87 FT OR 0.265 M); NO FLOW MOST OF THE YEAR.

REMARKS.--DISCHARGE: RECORDS GOOD.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0							
2					0							
3					0							
4					0							
5					0							
6					0							
7					0							
8					0							
9					0							
10					0							
11					0							
12					0							
13					0							
14					0							
15					0							
16					0							
17					0							
18					0							
19					0							
20					0							
21					0							
22					0							
23					0							
24					0							
25					0							
26					0							
27					.49							
28					.28							
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	.77	0	0	0	0	0	0	0
MEAN	0	0	0	0	.028	0	0	0	0	0	0	0
MAX	0	0	0	0	.49	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	1.5	0	0	0	0	0	0	0

WTR YR 1975 TOTAL 0.77 MEAN .0020 MAX .49 MIN 0 AC-FT 1.5

NOTE.--NO GAGE-HEIGHT RECORD NOV. 23 TO JAN. 17.

09306605 SOUTHAM CANYON WASH NEAR WATSON, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			0		0							
2			0		0							
3			0		0							
4			0		0							
5			0		0							
6			0		0							
7			0		0							
8			0		0							
9			0		0							
10			0		0							
11			0		.01							
12			0		.01							
13			0		.01							
14			0		0							
15			0		0							
16			0		0							
17			.20		0							
18			0		0							
19			0		0							
20			0		0							
21			0		0							
22			0		0							
23			0		0							
24			0		0							
25			0		0							
26			0		0							
27			0		0							
28			0		0							
29			0		0							
30			0		---							
31		---	0		---		---		---			---
TOTAL	0	0	.20	0	.03	0	0	0	0	0	0	0
MEAN	0	0	.007	0	.001	0	0	0	0	0	0	0
MAX	0	0	.20	0	.01	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	.4	0	.06	0	0	0	0	0	0	0

CAL YR 1975 TOTAL 0.97 MEAN .0030 MAX .49 MIN 0 AC-FT 1.9
WTR YR 1976 TOTAL 0.23 MEAN .0006 MAX .20 MIN 0 AC-FT .5

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
FEB , 1976										
12...	1630	.01	.0	186	7.9	11.4	5.3	28	1.6	15
13...	1400	.01	.0	142	7.7	11.4	5.2	15	1.0	13

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
FEB , 1976										
12...	2.2	109	0	12	2.2	.1	.45	.06	123	.00
13...	1.6	75	0	7.5	1.5	.1	.54	.04	85	.00

DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
FEB , 1976									
12...	.17	89	77	0	29	.7	70	190	0
13...	.12	62	42	0	39	.9	50	160	10

TABLE 5.—CONTINUED

09306610 SOUTHAM CANYON WASH AT MOUTH, NEAR WATSON, UTAH

LOCATION.--LAT 39 56 50 , LONG 109 14 04 , IN E1/2 NW1/4 SE1/4 SEC. 17, T.10 S., R.24 E., UINTAH COUNTY, ON RIGHT BANK 0.1 MILE (0.2 KM) UPSTREAM FROM MOUTH AND 6.2 MILES (10.0 KM) NORTHWEST OF WATSON.

DRAINAGE AREA.--8.3 MI2 (21.5 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO SEPTEMBER 1976 (DISCONTINUED).
CHEMICAL ANALYSES: FEBRUARY 1976 TO JUNE 1976 (DISCONTINUED).

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 4,920 FT (1,500 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 30 FT3/S (0.850 M3/S) NOV. 10 (GAGE HEIGHT, 0.98 FT OR 0.299 M); NO FLOW MOST OF YEAR.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 26 FT3/S (0.736 M3/S) JUNE 22 (GAGE HEIGHT, 1.41 FT OR 0.430 M); NO FLOW MOST OF YEAR.

REMARKS.--DISCHARGE: RECORDS GOOD.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	3.3			0	1.8	0					
2	0	1.5			0	0	0					
3	0	0			0	0	0					
4	0	0			0	0	0					
5	0	0			0	0	1.0					
6	0	0			0	0	0					
7	0	0			0	0	0					
8	0	0			0	0	0					
9	0	0			0	0	0					
10	0	2.2			0	0	0					
11	0	0			0	0	0					
12	0	0			0	0	0					
13	0	0			0	0	0					
14	0	0			0	0	0					
15	0	0			0	0	0					
16	0	0			0	0	0					
17	0	0			0	0	0					
18	0	0			0	0	0					
19	0	0			0	0	0					
20	0	0			0	0	0					
21	0	0			0	0	0					
22	0	0			0	0	0					
23	0	0			0	0	0					
24	0	0			0	0	0					
25	0	0			0	0	0					
26	0	0			0	0	0					
27	0	0			4.7	0	0					
28	0	0			4.0	0	0					
29	0	0			---	0	0					
30	1.5	0			---	0	0					
31	1.1	---			---	0	---		---			---
TOTAL	2.6	7.0	0	0	8.7	1.8	1.0	0	0	0	0	0
MEAN	.084	.23	0	0	.31	.058	.033	0	0	0	0	0
MAX	1.5	3.3	0	0	4.7	1.8	1.0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	5.2	14	0	0	17	3.6	2.0	0	0	0	0	0

WTR YR 1975 TOTAL 21.1 MEAN .058 MAX 4.7 MIN 0 AC-FT 42

NOTE.--NO GAGE-HEIGHT RECORD MAR. 3 TO APR. 7.

09306610 SOUTHAM CANYON WASH AT MOUTH, NEAR WATSON, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			0		0				0			0
2			0		0				0			0
3			0		0				0			0
4			0		0				0			0
5			0		0				0			0
6			0		0				0			.05
7			0		0				0			0
8			0		0				0			0
9			0		0				0			0
10			0		.42				0			0
11			0		.15				0			0
12			0		.10				0			0
13			0		0				0			0
14			0		0				0			0
15			0		0				0			0
16			.03		0				0			0
17			0		0				0			0
18			0		0				0			0
19			0		0				0			0
20			0		0				0			0
21			0		0				0			0
22			0		0				1.8			0
23			0		0				0			0
24			0		0				0			0
25			0		0				0			0
26			0		0				0			0
27			0		0				0			0
28			0		0				0			0
29			0		0				0			0
30			0		---				0			0
31		---	0		---		---		---			---
TOTAL	0	0	.03	0	.67	0	0	0	1.8	0	0	.05
MEAN	0	0	.001	0	.023	0	0	0	.060	0	0	.002
MAX	0	0	.03	0	.42	0	0	0	1.8	0	0	.05
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	.06	0	1.3	0	0	0	3.6	0	0	.10

CAL YR 1975 TOTAL 11.53 MEAN .032 MAX 4.7 MIN 0 AC-FT 23
WTR YR 1976 TOTAL 2.55 MEAN .0070 MAX 1.8 MIN 0 AC-FT 5.1

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
FEB , 1976										
12...	1540	.20	.0	330	8.1	11.5	7.3	29	2.8	50
JUN										
22...	--	1.8	17.0	595	--	--	8.7	31	3.9	85

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DISSOLVED SULFIDE (S) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)
FEB , 1976									
12...	2.5	215	0	55	2.8	.2	--	--	1.4
JUN									
22...	2.5	145	0	220	7.4	.4	.0	.0	2.4

DATE	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)
FEB , 1976									
12...	--	--	--	.09	--	--	262	.14	.36
JUN									
22...	.03	.07	6.7	.08	14	420	442	2.04	.57

TABLE 5.—CONTINUED

09306610 SOUTHAM CANYON WASH AT MOUTH, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (UG/L)
FEB , 1976									
12...	--	176	84	0	56	2.4	--	--	--
JUN									
22...	1000	119	94	0	66	3.8	72	0	8

DATE	TIME	COLOR (PLATINUM-COBALT UNITS)	CYANIDE (CN) (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED ALUMINUM (AL) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BARIUM (BA) (UG/L)	DISSOLVED BORON (B) (UG/L)
FEB , 1976								
12...	1540	--	--	--	--	--	--	100
JUN								
22...	--	300	.00	.10	50	5	100	80

DATE	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED LITHIUM (LI) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)
FEB , 1976									
12...	--	--	--	--	290	--	--	10	--
JUN									
22...	0	2	<10	10	90	0	10	10	.0

DATE	DISSOLVED MOLYBDENUM (MO) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	DISSOLVED VANADIUM (V) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)	DISSOLVED GROSS ALPHA AS U-NAT. (UG/L)	DISSOLVED GROSS BETA AS CS-137 (PC/L)	DISSOLVED GROSS BETA AS SR90 /Y90 (PC/L)
FEB , 1976								
12...	--	--	--	--	--	--	--	--
JUN								
22...	6	0	1	14	60	<3.6	8.3	6.6

DATE	DISSOLVED BERYLLIUM (BE) (UG/L)	DISSOLVED BISMUTH (BI) (UG/L)	DISSOLVED GALLIUM (GA) (UG/L)	DISSOLVED GERMANIUM (GE) (UG/L)	DISSOLVED SILVER (AG) (UG/L)	DISSOLVED STRONTIUM (SR) (UG/L)	DISSOLVED TIN (SN) (UG/L)	DISSOLVED TITANIUM (TI) (UG/L)	DISSOLVED ZIRCONIUM (ZR) (UG/L)
JUN , 1976									
22...	10	<8	<3	<20	<1	680	<8	<5	<10

TABLE 5.—CONTINUED

09306620 ASPHALT WASH BELOW CENTER FORK, NEAR WATSON, UTAH

LOCATION.--LAT 39 54 42 , LONG 109 15 53 , IN NW1/4 NW1/4 NW1/4 SEC. 31, T.10 S., R.24 E., UINTAH COUNTY, ON RIGHT BANK 3.4 MILES (5.5 KM) UPSTREAM FROM MOUTH AND 6.0 MILES (9.7 KM) NORTHWEST OF WATSON.

DRAINAGE AREA.--94.4 MI2 (245 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO SEPTEMBER 1976 (DISCONTINUED).
CHEMICAL ANALYSES: FEBRUARY 11-12, 1976.

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 5,080 FT (1,548 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 135 FT3/S (3.82 M3/S) JULY 15 (GAGE HEIGHT, 2.33 FT OR 0.710 M) FROM SLOPE-AREA MEASUREMENT OF PEAK; NO FLOW MOST OF YEAR.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 19 FT3/S (0.54 M3/S) FEB. 10 (GAGE HEIGHT, 1.29 FT OR 0.393 M); NO FLOW MOST OF YEAR.

REMARKS.--DISCHARGE: RECORDS GOOD.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0					0	0	0
2					0					0	0	0
3					0					0	0	0
4					0					0	0	0
5					0					0	0	0
6					0					0	0	0
7					0					0	0	0
8					0					0	0	0
9					0					0	0	0
10					0					0	0	.08
11					0					0	0	0
12					0					0	.20	0
13					0					0	.03	0
14					0					0	0	0
15					0					1.8	0	0
16					0					.09	0	0
17					0					0	0	0
18					0					0	0	0
19					0					0	0	0
20					0					0	0	0
21					0					0	0	0
22					0					0	0	0
23					0					0	0	0
24					0					0	0	0
25					0					0	0	0
26					0					0	0	0
27					2.5					0	0	0
28					.61					0	0	0
29					---					0	0	0
30					---					0	0	0
31		---			---		---		---	0	0	---
TOTAL	0	0	0	0	3.11	0	0	0	0	1.89	.23	.08
MEAN	0	0	0	0	.11	0	0	0	0	.061	.007	.003
MAX	0	0	0	0	2.5	0	0	0	0	1.8	.20	.08
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	6.2	0	0	0	0	3.7	.5	.2

WTR YR 1975 TOTAL 5.31 MEAN .015 MAX 2.5 MIN 0 AC-FT 11

09306620 ASPHALT WASH BELOW CENTER FORK, NEAR WATSON, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0				0			0
2					0				0			0
3					0				0			0
4					0				0			0
5					0				0			0
6					0				0			0
7					0				0			0
8					0				0			0
9					0				0			0
10					4.0				0			0
11					2.0				0			0
12					1.0				0			.15
13					.20				0			0
14					0				0			0
15					0				0			0
16					0				0			0
17					0				0			0
18					0				0			0
19					0				0			0
20					0				0			0
21					0				0			0
22					0				.10			0
23					0				0			0
24					0				0			0
25					0				0			1.5
26					0				0			0
27					0				0			0
28					0				0			0
29					0				0			0
30					---				0			0
31		---			---		---		---			---
TOTAL	0	0	0	0	7.20	0	0	0	.10	0	0	1.65
MEAN	0	0	0	0	.25	0	0	0	.003	0	0	.055
MAX	0	0	0	0	4.0	0	0	0	.10	0	0	1.5
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	14	0	0	0	.2	0	0	3.3

CAL YR 1975 TOTAL 5.31 MEAN .015 MAX 2.5 MIN 0 AC-FT 11
WTR YR 1976 TOTAL 8.95 MEAN .025 MAX 4.0 MIN 0 AC-FT 18

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
FEB , 1976										
11...	1630	1.6	.0	400	8.1	11.6	5.3	16	2.7	59
12...	1750	.15	.0	310	7.8	12.0	5.5	13	2.3	54

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
FEB , 1976										
11...	4.5	150	0	45	6.9	.2	1.8	.06	222	.97
12...	3.8	147	0	32	5.8	.2	1.0	.09	194	.08

DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
FEB , 1976									
11...	.30	123	51	0	69	3.6	230	180	10
12...	.26	121	42	0	72	3.6	150	300	10

TABLE 5.—CONTINUED

09306625 ASPHALT WASH NEAR MOUTH NEAR WATSON, UTAH

LOCATION.--LAT 39 56 00 , LONG 109 16 00 , IN E1/2 NE1/4 SE1/4 SEC. 24, T.10 S., R.23 E., UINTAH COUNTY, ON RIGHT BANK 1.3 MILES (2.1 KM) UPSTREAM FROM MOUTH AND 6.7 MILES (10.8 KM) NORTHWEST OF WATSON.

DRAINAGE AREA.--97.5 MI2 (253 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO SEPTEMBER 1976 (DISCONTINUED).
CHEMICAL ANALYSES: AUGUST 1975 TO JUNE 1976.

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 4,950 FT (1,509 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 123 FT3/S (3.48 M3/S) JULY 15 (GAGE HEIGHT, 2.80 FT OR 0.853 M) FROM RATING BASED ON SLOPE-AREA MEASUREMENTS; NO FLOW MOST OF YEAR.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 95 FT3/S (2.69 M3/S) JUNE 22 (GAGE HEIGHT, 2.47 FT OR 0.753 M); NO FLOW MOST OF YEAR.

REMARKS.--DISCHARGE: RECORDS POOR.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						.23	0			0	0	0
2						0	0			0	0	0
3						0	0			0	0	0
4						0	.75			0	0	0
5						0	0			0	0	0
6						0	0			0	0	0
7						0	0			0	0	0
8						0	0			0	0	0
9						0	0			0	0	0
10						0	0			0	0	.77
11						0	0			0	0	0
12						0	0			0	2.2	0
13						0	0			0	.04	0
14						0	0			0	.15	0
15						0	0			4.7	.01	0
16						0	0			.27	0	0
17						0	0			0	0	0
18						0	0			0	0	0
19						0	0			0	0	0
20						0	0			0	0	0
21						0	0			0	0	0
22						0	0			0	0	0
23						0	0			0	0	0
24						0	0			0	0	0
25						0	0			0	0	0
26						0	0			0	0	0
27						0	0			0	0	0
28						0	0			0	0	0
29					---	0	0			0	0	0
30					---	0	0			0	0	0
31		---			---	0	---		---	0	0	---
TOTAL	0	0	0	0	0	.23	.75	0	0	4.97	2.40	.77
MEAN	0	0	0	0	0	.007	.025	0	0	.16	.077	.026
MAX	0	0	0	0	0	.23	.75	0	0	4.7	2.2	.77
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	.5	1.5	0	0	9.9	4.8	1.5

WTR YR 1975 TOTAL 9.12 MEAN .025 MAX 4.7 MIN 0 AC-FT 18

TABLE 5.—CONTINUED

09306625 ASPHALT WASH NEAR MOUTH NEAR WATSON, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0				0			0
2					0				0			0
3					0				0			0
4					0				0			0
5					0				0			0
6					0				0			.03
7					0				0			0
8					0				0			0
9					0				0			0
10					2.5				0			0
11					2.0				0			0
12					.90				0			.01
13					.78				0			0
14					.62				0			0
15					.30				0			0
16					0				0			0
17					0				0			0
18					0				0			0
19					0				0			0
20					0				0			0
21					0				0			0
22					0				4.4			0
23					0				0			0
24					0				0			0
25					0				0			2.1
26					0				0			.07
27					0				0			0
28					0				0			0
29					0				0			0
30					---				0			0
31		---			---		---		---			---
TOTAL	0	0	0	0	7.10	0	0	0	4.4	0	0	2.21
MEAN	0	0	0	0	.24	0	0	0	.15	0	0	.074
MAX	0	0	0	0	2.5	0	0	0	4.4	0	0	2.1
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	14	0	0	0	8.7	0	0	4.4

CAL YR 1975 TOTAL 9.12 MEAN .025 MAX 4.7 MIN 0 AC-FT 18
WTR YR 1976 TOTAL 13.71 MEAN .038 MAX 4.4 MIN 0 AC-FT 27

TABLE 5.—CONTINUED

09306625 ASPHALT WASH NEAR MOUTH NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
AUG , 1975											
14...	1400	* .10	--	--	--	--	14	19	4.9	84	5.5
FEB , 1976											
11...	1740	.80	.0	418	8.0	12.0	4.8	23	13	67	4.2
JUN											
22...	--	4.4	10.0	938	--	--	4.4	58	6.0	130	2.9

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DISSOLVED SULFIDE (S) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
AUG , 1975											
14...	230	--	34	12	.5	--	.2	3.5	.06	.00	4.4
FEB , 1976											
11...	203	0	77	7.5	.2	--	--	1.8	--	--	--
JUN											
22...	47	0	380	12	.3	.1	.0	2.1	.02	.09	37

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM
AUG , 1975											
14...	.11	5.9	351	305	--	.48	2300	189	68	0	71
FEB , 1976											
11...	.10	--	--	306	.66	.42	--	167	110	0	56
JUN											
22...	.04	40	650	628	7.72	.88	1000	39	170	130	62

DATE	SODIUM ADSORPTION RATIO	DISSOLVED ALUMINUM (AL) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LITHIUM (LI) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	DISSOLVED STRONTIUM (SR) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
AUG , 1975											
14...	4.4	90	37	280	45	240	40	.0	1	340	120
FEB , 1976											
11...	2.8	--	--	250	--	360	--	--	--	--	--
JUN											
22...	4.3	160	2	50	8	140	10	.0	2	1100	40

* ESTIMATED.

TABLE 5.—CONTINUED

09306700 WHITE RIVER BELOW ASPHALT WASH, NEAR WATSON, UTAH

LOCATION.--LAT 39 55 55 , LONG 109 17 31 , IN SW1/4 NW1/4 SE1/4 SEC. 23, T.10 S., R.23 E., UINTAH COUNTY, ON RIGHT BANK 1.3 MILES (2.1 KM) DOWNSTREAM FROM ASPHALT WASH AND 7.8 MILES (12.6 KM) NORTHWEST OF WATSON.

DRAINAGE AREA.--4,130 MI2 (10,700 KM2), APPROXIMATELY.

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO SEPTEMBER 1976 (DISCONTINUED).
CHEMICAL ANALYSES: AUGUST 1974 TO SEPTEMBER 1976 (DISCONTINUED).
WATER TEMPERATURES: OCTOBER 1974 TO SEPTEMBER 1975 (DISCONTINUED).

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 4,880 FT (1,487 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 4,540 FT3/S (129 M3/S) JUNE 9 (GAGE HEIGHT, 8.58 FT OR 2.615 M); MINIMUM DAILY, 174 FT3/S (4.93 M3/S) DEC. 11.
WATER TEMPERATURES: MAXIMUM RECORDED, 24.5 C JULY 24, 26, 27, AUG. 7; MINIMUM, FREEZING POINT ON MANY DAYS.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 2,320 FT3/S (65.7 M3/S) MAY 21 (GAGE HEIGHT, 6.47 FT OR 1.972 M); MINIMUM DAILY, 166 FT3/S (4.70 M3/S) JULY 17.

REMARKS.--DISCHARGE: RECORDS GOOD EXCEPT THOSE FOR WINTER PERIOD, WHICH ARE FAIR.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	427	430	264	350	390	470	465	570	1650	2640	680	336
2	416	445	229	350	400	540	435	540	1720	2700	608	337
3	425	450	271	350	410	580	402	500	1990	2750	584	332
4	413	440	330	300	380	580	386	480	2200	2710	566	346
5	422	440	385	270	355	621	430	540	2500	2840	545	351
6	437	445	490	270	370	558	460	600	2800	2720	525	347
7	448	415	480	300	400	640	480	640	3020	2670	495	328
8	445	410	440	330	410	639	490	590	3290	2200	477	324
9	446	415	335	330	410	604	480	540	3950	2160	484	320
10	452	430	306	300	420	594	450	510	4380	2050	490	358
11	462	455	174	270	410	557	410	500	3550	1890	471	649
12	461	459	201	270	410	520	410	580	2860	1630	458	519
13	484	441	244	300	410	572	410	700	2450	1460	522	454
14	488	435	332	320	400	548	415	800	2430	1380	449	446
15	461	455	335	320	400	513	415	950	2770	1320	451	485
16	444	450	339	290	400	510	425	1120	3260	1320	474	457
17	416	441	352	330	400	560	440	1360	3680	1470	477	435
18	406	433	331	380	380	505	500	1700	3830	1350	445	408
19	401	427	295	380	360	530	545	2080	3390	1190	413	406
20	400	445	340	350	350	520	500	1970	3150	1080	383	403
21	350	433	388	320	340	510	450	2220	2690	1020	379	396
22	410	396	354	320	330	520	440	2650	2540	1020	392	390
23	415	443	344	360	310	500	450	2340	2360	916	414	404
24	420	458	230	390	310	460	500	1930	2200	842	410	412
25	415	449	200	420	340	430	550	1690	2260	782	384	426
26	415	419	180	450	360	435	578	1760	2540	734	363	435
27	415	418	180	450	390	455	638	1730	2490	740	372	421
28	410	442	200	450	420	385	680	1970	2380	662	347	448
29	410	355	230	400	---	385	640	2000	2490	644	351	445
30	430	436	260	350	---	390	600	1930	2580	686	361	442
31	458	---	290	350	---	380	---	1690	---	662	353	---
TOTAL	13302	13010	9329	10620	10665	16011	14474	39180	83400	48238	14123	12260
MEAN	429	434	301	343	381	516	482	1264	2780	1556	456	409
MAX	488	459	490	450	420	640	680	2650	4380	2840	680	649
MIN	350	355	174	270	310	380	386	480	1650	644	347	320
AC-FT	26380	25810	18500	21060	21150	31760	28710	77710	165400	95680	28010	24320

WTR YR 1975 TOTAL 284612 MEAN 780 MAX 4380 MIN 174 AC-FT 564500

09306700 WHITE RIVER BELOW ASPHALT WASH, NEAR WATSON, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	460	495	310	205	310	900	420	654	1710	560	397	223
2	470	498	350	205	320	1100	430	696	1520	520	732	223
3	460	495	410	205	330	1010	450	714	1570	500	406	204
4	460	500	410	205	340	666	460	828	1650	470	400	190
5	455	495	410	205	350	470	480	906	1690	445	380	176
6	440	495	410	205	360	430	515	990	1650	445	320	194
7	430	485	410	205	360	430	565	1070	1660	450	300	215
8	435	490	410	205	350	420	560	1120	1630	402	280	215
9	435	495	410	205	300	445	535	1170	1550	371	320	231
10	440	505	400	205	340	490	500	1250	1540	319	290	223
11	440	490	400	205	440	525	500	1220	1540	287	310	227
12	420	465	400	205	600	550	505	1260	1500	279	340	211
13	420	465	400	225	600	545	510	1370	1300	299	400	219
14	420	420	270	240	600	520	550	1330	1170	299	350	208
15	440	410	230	270	600	485	582	1400	1120	251	350	247
16	450	410	220	300	600	520	550	1650	1080	187	340	279
17	450	410	220	320	600	570	555	1740	936	166	320	307
18	450	410	220	320	560	600	545	1790	882	176	300	291
19	450	410	230	330	500	756	555	1920	924	190	300	291
20	450	410	250	340	500	846	576	2000	846	440	300	283
21	440	400	250	350	500	648	540	2140	762	515	300	279
22	440	400	250	340	500	576	500	2190	792	435	300	295
23	460	400	250	340	500	606	485	2110	870	384	300	347
24	480	400	250	330	450	600	490	1980	1070	351	320	351
25	490	400	250	325	450	565	525	1860	1050	319	300	402
26	485	400	220	320	450	555	525	1680	882	295	260	445
27	490	300	205	320	500	500	545	1460	798	255	223	440
28	490	310	205	315	550	465	565	1420	732	331	231	402
29	480	310	205	310	650	445	530	1500	654	311	271	393
30	480	310	205	300	---	450	555	1660	618	255	243	388
31	480	---	205	300	---	435	---	1820	---	259	219	---
TOTAL	14090	12883	9265	8355	13510	18123	15603	44898	35696	10766	10102	8399
MEAN	455	429	299	270	466	585	520	1448	1190	347	326	280
MAX	490	505	410	350	650	1100	582	2190	1710	560	732	445
MIN	420	300	205	205	300	420	420	654	618	166	219	176
AC-FT	27950	25550	18380	16570	26800	35950	30950	89060	70800	21350	20040	16660

CAL YR 1975 TOTAL 285209 MEAN 781 MAX 4380 MIN 205 AC-FT 565700
WTR YR 1976 TOTAL 201690 MEAN 551 MAX 2190 MIN 166 AC-FT 400100

NOTE.--NO GAGE-HEIGHT RECORD DEC. 3 TO JAN. 16.

TABLE 5.—CONTINUED

09306700 WHITE RIVER BELOW ASPHALT WASH, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
AUG , 1974										
28...	1430	288	19.0	1650	8.2	8.2	11	70	36	180
SEP										
18...	1430	424	19.0	925	8.4	--	14	76	31	74
OCT										
08...	1200	464	11.5	650	7.9	--	13	70	25	54
23...	1648	463	--	831	--	--	12	61	24	73
NOV										
13...	1350	415	14.4	730	8.6	--	13	66	25	67
22...	1500	382	4.0	742	--	--	12	75	24	64
DEC										
03...	1210	273	.0	920	8.4	--	14	79	31	83
17...	1230	350	.4	880	--	--	15	75	27	70
JAN , 1975										
07...	1230	296	.5	900	7.8	10.4	17	83	28	74
20...	1035	495	.4	800	--	--	16	70	25	61
FEB										
03...	1230	400	.0	825	8.4	10.2	16	75	27	71
16...	1125	400	.1	824	--	--	15	69	27	71
MAR										
03...	1230	550	1.0	820	--	9.6	13	69	28	85
18...	1015	505	1.7	962	--	--	12	71	33	84
APR										
04...	1130	376	5.5	910	8.3	9.7	13	76	32	90
23...	1220	435	12.7	900	--	7.9	12	73	34	85
MAY										
15...	1700	915	18.0	640	7.6	6.8	13	58	21	50
21...	1015	2675	10.1	425	--	3.8	11	42	16	32
JUN										
04...	1200	2290	16.2	400	8.0	7.7	11	41	14	25
24...	1317	2177	14.4	382	--	--	15	46	16	27
JUL										
08...	1200	2262	20.0	320	7.7	7.8	12	36	11	22
AUG										
07...	1500	486	21.0	710	8.3	7.2	14	66	25	55
22...	1150	352	19.0	757	--	--	12	67	30	67
SEP										
09...	1200	314	20.5	775	8.5	7.0	8.8	61	28	69
OCT										
09...	1500	437	9.5	750	8.1	9.4	10	63	23	57
21...	1130	430	7.0	704	--	--	11	67	23	56
NOV										
03...	1230	500	6.0	750	8.4	9.2	12	69	25	66
28...	--	310	--	--	--	--	--	--	--	--
DEC										
02...	1300	331	.5	725	7.8	11.9	14	70	24	66
JAN , 1976										
07...	1105	205	.0	825	8.0	11.3	15	81	26	62
FEB										
24...	1150	263	.0	860	8.0	11.7	13	69	29	66
MAR										
30...	1030	426	4.5	970	8.0	7.8	13	76	35	89
APR										
22...	0930	500	10.5	810	--	7.3	12	69	30	78
MAY										
14...	1445	1330	17.0	440	8.1	--	12	42	15	26
JUN										
15...	1240	1120	15.5	440	7.8	--	13	46	14	26
JUL										
22...	1310	390	23.5	859	7.7	--	17	81	31	34
30...	1245	255	--	--	--	--	--	--	--	--
AUG										
21...	1030	300	20.0	800	7.6	--	13	70	31	71
SEP										
18...	1005	291	15.0	870	8.2	--	12	74	33	75

TABLE 5.—CONTINUED

09306700 WHITE RIVER BELOW ASPHALT WASH, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DIS-SOL-VED SUL-FIDE (S) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
AUG , 1974									
28...	6.1	250	0	210	230	.3	.9	.0	.03
SEP									
18...	3.1	265	0	200	42	.3	.1	.1	.00
OCT									
08...	1.9	231	0	160	34	.2	.7	.2	.00
23...	2.4	227	0	170	50	.2	.1	.1	.01
NOV									
13...	1.1	233	5	160	34	.3	.1	.0	.01
22...	1.8	239	0	160	36	.2	.1	.0	.03
DEC									
03...	2.3	280	0	190	45	.3	.1	.0	.02
17...	1.8	258	0	170	41	.3	.1	.2	.20
JAN , 1975									
07...	2.1	277	0	190	47	.2	.1	.1	.35
20...	2.1	237	0	170	37	.2	.0	.2	.29
FEB									
03...	2.1	248	0	200	42	.2	.1	.1	.29
16...	1.8	245	0	170	39	.3	.1	.0	.20
MAR									
03...	2.6	223	0	190	58	.3	.2	.0	.54
18...	2.5	244	0	220	42	.1	.1	.0	.13
APR									
04...	3.2	255	0	220	44	.1	.1	1.3	.08
23...	2.1	253	0	220	43	.3	.1	.1	.00
MAY									
15...	2.1	204	0	130	24	.2	.1	.1	.09
21...	2.0	162	0	95	12	.2	.0	.0	.39
JUN									
04...	1.4	157	0	68	11	.2	.0	.2	.19
24...	1.3	150	--	100	9.5	.2	.0	.0	.12
JUL									
08...	1.4	125	0	63	9.3	.2	.0	.0	.10
AUG									
07...	2.3	233	0	150	27	.3	.1	.1	.02
22...	2.2	240	--	180	31	.3	.1	.1	.04
SEP									
09...	2.2	211	2	170	37	.3	.1	.2	.00
OCT									
09...	1.6	215	0	150	33	.3	.1	.2	.00
21...	1.6	217	0	160	32	.2	.0	.0	.05
NOV									
03...	2.0	239	0	180	35	.3	.1	.1	.03
28...	--	--	--	--	--	--	--	--	--
DEC									
02...	1.7	235	0	160	34	.2	.1	.0	.15
JAN , 1976									
07...	2.3	263	0	180	43	.3	.1	.1	.27
FEB									
24...	3.8	234	0	180	39	.3	.1	.3	.39
MAR									
30...	2.4	269	0	240	45	.3	.2	.0	.08
APR									
22...	2.2	234	7	210	35	.2	.1	--	.11
MAY									
14...	1.5	149	0	77	13	.2	--	--	.29
JUN									
15...	1.4	155	0	77	15	.4	--	--	.04
JUL									
22...	5.0	270	0	190	34	1.0	.1	.0	.11
30...	--	--	--	--	--	--	--	--	--
AUG									
21...	2.2	236	0	190	41	.4	--	--	.01
SEP									
18...	2.9	264	0	220	44	.4	--	--	.01

TABLE 5.—CONTINUED

09306700 WHITE RIVER BELOW ASPHALT WASH, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)
AUG , 1974									
28...	.00	.13	.45	.01	.05	892	868	694	1.21
SEP									
18...	.00	.01	.90	.00	.19	596	572	--	.81
OCT									
08...	.01	.02	.31	.00	.07	465	473	583	.63
23...	.01	.03	.37	.01	.08	525	505	656	.71
NOV									
13...	.00	.08	.06	.02	.03	509	487	570	.69
22...	.00	.01	.04	.01	.06	464	491	479	.63
DEC									
03...	.01	.03	.07	.02	.06	606	583	447	.82
17...	.00	.04	.25	.03	.06	530	529	501	.72
JAN , 1975									
07...	.01	.09	.43	.02	.00	586	581	468	.80
20...	.00	.07	.34	.02	.04	502	500	671	.68
FEB									
03...	.01	.11	.40	.02	.05	620	558	670	.84
16...	.00	.10	.36	.03	.06	527	515	569	.72
MAR									
03...	.02	.15	.59	.01	.13	582	559	864	.79
18...	.00	.06	.54	.03	.20	644	586	878	.88
APR									
04...	.00	.02	.38	.00	.11	615	607	624	.84
23...	.00	.00	.39	.04	.15	598	594	702	.81
MAY									
15...	.00	.00	.45	.01	.05	408	400	1010	.55
21...	.01	.03	2.5	.01	.06	293	292	2120	.40
JUN									
04...	.01	.01	1.2	.04	.61	256	250	1580	.35
24...	.03	.03	.72	.01	.29	308	290	1810	.42
JUL									
08...	.00	.00	1.6	.00	.34	223	217	1360	.30
AUG									
07...	.01	.00	.47	.01	.36	467	459	613	.64
22...	.01	.00	.25	.00	.03	508	508	483	.69
SEP									
09...	.00	.00	.30	.00	.04	508	483	431	.69
OCT									
09...	.00	.00	.28	.00	.07	467	445	551	.64
21...	.00	.01	.24	.00	.08	467	458	542	.64
NOV									
03...	.01	.03	1.1	.00	.10	509	508	687	.69
28...	--	--	--	--	--	--	--	--	--
DEC									
02...	.01	.04	.48	.01	.00	498	487	445	.68
JAN , 1976									
07...	.00	.05	.49	.03	.03	559	542	309	.76
FEB									
24...	.01	--	.55	.02	.09	517	518	367	.70
MAR									
30...	.01	.02	.76	.01	.34	653	635	751	.89
APR									
22...	.01	.03	1.1	.00	.34	581	560	784	.79
MAY									
14...	.00	.01	3.3	.01	.54	282	262	1010	.38
JUN									
15...	.00	.03	.32	.02	.08	282	270	853	.38
JUL									
22...	.00	.05	1.1	.01	.31	606	528	638	.82
30...	--	--	--	--	--	--	--	--	--
AUG									
21...	.00	.00	.33	.00	.10	520	536	421	.71
SEP									
18...	.00	.00	1.1	.00	.26	567	593	445	.77

TABLE 5.—CONTINUED

09306700 WHITE RIVER BELOW ASPHALT WASH, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (UG/L)
AUG , 1974									
28...	--	205	320	120	54	4.4	9	--	--
SEP									
18...	--	217	320	100	33	1.8	16	0	1
OCT									
08...	--	189	280	88	30	1.4	4	0	0
23...	--	186	250	65	38	2.0	16	2	3
NOV									
13...	--	199	270	68	35	1.8	10	2	2
22...	9	196	290	90	33	1.6	10	1	0
DEC									
03...	40	230	330	95	36	2.0	15	1	2
17...	20	212	300	87	34	1.8	4	3	3
JAN , 1975									
07...	8	227	320	97	33	1.8	10	6	14
20...	10	194	280	83	32	1.6	2	5	5
FEB									
03...	10	203	300	95	34	1.8	4	3	5
16...	20	201	280	83	35	1.8	9	6	0
MAR									
03...	400	183	290	100	39	2.2	16	7	5
18...	400	200	310	110	37	2.1	33	3	8
APR									
04...	110	209	320	110	38	2.2	31	2	2
23...	39	208	320	110	36	2.1	13	1	3
MAY									
15...	760	167	230	64	32	1.4	23	1	3
21...	110	133	170	38	29	1.1	8	1	5
JUN									
04...	510	129	160	31	25	.9	24	1	5
24...	180	123	180	58	24	.9	28	5	2
JUL									
08...	320	103	140	33	26	.8	40	2	4
AUG									
07...	56	191	270	77	31	1.5	12	0	7
22...	38	197	290	94	33	1.7	13	1	5
SEP									
09...	8	176	270	91	36	1.8	8	2	1
OCT									
09...	20	176	250	77	33	1.6	15	0	0
21...	10	178	260	84	32	1.5	2	0	4
NOV									
03...	150	196	280	79	34	1.7	15	0	2
28...	--	--	--	--	--	--	--	--	--
DEC									
02...	30	193	270	81	34	1.7	13	0	0
JAN , 1976									
07...	15	216	310	95	30	1.5	1	0	2
FEB									
24...	6	192	290	100	33	1.7	19	0	2
MAR									
30...	--	221	340	110	37	2.1	--	0	6
APR									
22...	260	204	300	93	36	2.0	25	0	2
MAY									
14...	400	122	170	45	25	.9	--	--	2
JUN									
15...	65	127	170	46	25	.9	--	--	1
JUL									
22...	200	221	330	110	18	.8	14	0	6
30...	--	--	--	--	--	--	--	--	--
AUG									
21...	60	194	300	110	34	1.8	--	--	5
SEP									
18...	230	217	320	110	33	1.8	--	--	2

TABLE 5.—CONTINUED

09306700 WHITE RIVER BELOW ASPHALT WASH, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	COLOR (PLATINUM-COBALT UNITS)	CYANIDE (CN) (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED ALUMINUM (AL) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BARIUM (BA) (UG/L)
AUG , 1974										
28...	1430	4	--	--	--	--	--	10	0	0
SEP										
18...	1430	7	.00	4.90	2.50	.01	7.7	20	2	0
OCT										
08...	1200	20	.00	1.50	.100	--	--	10	2	0
NOV										
13...	1350	7	.00	--	--	--	--	30	1	0
DEC										
03...	1210	3	.00	.000	.000	--	--	10	2	<100
JAN , 1975										
07...	1230	8	.00	2.20	2.10	--	6.5	0	0	59
FEB										
03...	1230	0	.00	6.00	8.40	--	--	60	3	<100
MAR										
03...	1230	10	.00	1.40	.000	--	--	<10	0	<100
APR										
04...	1130	2	.00	1.30	.500	--	4.5	40	1	<100
MAY										
15...	1700	15	.01	2.10	.200	--	--	30	2	0
JUN										
04...	1200	10	.00	13.0	7.60	--	--	50	0	0
JUL										
08...	1200	30	.00	6.40	9.90	--	8.8	30	2	0
AUG										
07...	1500	15	.00	2.10	3.30	--	--	30	2	140
SEP										
09...	1200	1	.00	.800	.400	--	--	10	1	<200
OCT										
09...	1500	7	.00	1.60	1.80	.00	6.0	0	1	<100
NOV										
03...	1230	200	.00	5.10	2.10	--	--	20	1	0
DEC										
02...	1300	5	.00	.500	.000	--	--	30	1	100
JAN , 1976										
07...	1105	5	.00	2.50	.000	--	2.8	10	0	70
MAR										
30...	1030	--	.00	--	--	--	4.6	40	0	0
APR										
22...	0930	15	.00	--	--	.00	--	10	1	100
MAY										
14...	1445	34	.00	--	--	--	--	70	1	--
JUN										
15...	1240	20	.00	--	--	--	--	20	0	--
JUL										
22...	1310	30	.00	--	--	.00	--	20	3	0
AUG										
21	1030	15	.00	--	--	--	--	20	0	--
SEP										
18	1005	7	.00	--	--	--	--	10	1	--

TABLE 5.—CONTINUED

09306700 WHITE RIVER BELOW ASPHALT WASH, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
AUG , 1974									
28...	190	0	0	0	4	20	0	110	0
SEP									
18...	100	0	0	0	2	20	2	13	0
OCT									
08...	90	1	0	0	1	100	7	0	0
NOV									
13...	90	0	0	0	3	20	0	0	0
DEC									
03...	70	0	<10	1	7	140	1	<10	0
JAN , 1975									
07...	60	0	0	0	1	20	0	10	10
FEB									
03...	90	0	10	0	4	10	1	10	10
MAR									
03...	70	0	0	0	340	20	1	30	0
APR									
04...	80	0	0	0	110	10	2	20	0
MAY									
15...	60	0	0	0	2	50	1	10	10
JUN									
04...	20	0	0	0	4	70	0	0	0
JUL									
08...	50	0	0	1	13	40	1	0	0
AUG									
07...	80	0	8	<2	6	3500	5	10	0
SEP									
09...	70	0	0	0	1	10	0	10	0
OCT									
09...	70	1	10	0	3	0	0	10	10
NOV									
03...	80	0	0	0	13	30	0	8	4
DEC									
02...	70	0	<10	1	2	0	0	8	0
JAN , 1976									
07...	80	0	0	0	2	30	1	10	10
MAR									
30...	70	0	0	<11	6	40	1	20	10
APR									
22...	70	1	10	<10	2	20	0	20	0
MAY									
14...	20	--	--	--	--	20	--	--	0
JUN									
15...	60	--	--	--	--	10	--	--	0
JUL									
22...	120	0	0	<10	6	20	2	20	0
AUG									
21...	70	--	--	--	--	10	--	--	0
SEP									
18...	90	--	--	--	--	20	--	--	0

TABLE 5.—CONTINUED

09306700 WHITE RIVER BELOW ASPHALT WASH, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)
AUG , 1974									
28...	.0	4	<1	--	.6	10	--	--	--
SEP									
18...	.3	3	1	2	.5	10	--	--	--
OCT									
08...	.0	3	4	1	1.8	30	<6.9	2.8	2.3
NOV									
13...	.0	4	16	1	.0	130	--	--	--
DEC									
03...	<.1	3	13	1	2.2	10	<6.8	3.0	2.4
JAN , 1975									
07...	.2	1	8	2	1.5	30	12	4.3	3.6
FEB									
03...	.0	2	2	1	.0	20	<8.5	2.5	2.1
MAR									
03...	.0	3	0	2	2.0	30	<7.6	5.3	4.2
APR									
04...	.0	2	3	2	1.1	20	31	8.4	7.2
MAY									
15...	.0	3	1	1	.3	6	9.0	3.9	3.4
JUN									
04...	.0	2	3	1	.0	0	3.8	3.8	3.2
JUL									
08...	.0	1	6	0	1.4	0	--	--	--
AUG									
07...	.0	2	4	1	2.4	0	--	--	--
SEP									
09...	.0	2	4	1	1.8	20	7.4	5.7	4.7
OCT									
09...	.0	3	0	1	2.1	10	5.3	3.2	25
NOV									
03...	.0	2	4	1	2.6	10	<5.6	2.9	2.3
DEC									
02...	.0	3	3	1	1.4	10	11	4.1	3.3
JAN , 1976									
07...	.1	5	2	1	1.5	10	<7.5	5.2	4.2
MAR									
30...	.0	4	2	1	1.6	10	11	<2.4	<1.9
APR									
22...	.0	1	2	1	2.0	0	<7.0	13	10
MAY									
14...	--	--	--	--	--	--	--	--	--
JUN									
15...	--	--	--	--	--	--	--	--	--
JUL									
22...	.4	0	3	3	2.9	0	<5.7	8.1	6.7
AUG									
21...	--	--	--	--	--	--	--	--	--
SEP									
18...	--	--	--	--	--	--	--	--	--

TABLE 5.—CONTINUED

09306700 WHITE RIVER BELOW ASPHALT WASH, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
AUG , 1974										
28...	1430	<4	<15	<6	<17	<2	1300	<12	<8	<18
SEP										
18...	1430	0	--	--	--	0	1100	--	--	--
JAN , 1975										
07...	1230	<10	<11	<5	<11	0	1000	<11	<8	<20
APR										
04...	1130	<10	--	--	--	0	1000	--	--	--
JUL										
08...	1200	0	--	--	--	0	60	--	--	--
AUG										
07...	1500	<1	<6	<2	<4	0	670	<6	--	--
OCT										
09...	1500	0	<3	<2	<7	0	780	<3	<2	<5
JAN , 1976										
07...	1105	0	<10	<5	<20	0	1000	<10	<7	<20
MAR										
30...	1030	0	<17	<6	<10	<2	1000	<17	<3	<30
APR										
22...	0930	0	<10	<5	<20	<1	860	<10	<6	<20
MAY										
14...	1445	--	--	--	--	--	460	--	--	--
JUN										
15...	1240	--	--	--	--	--	560	--	--	--
JUL										
22...	1310	20	<15	<5	<10	<2	870	<15	<10	<20
AUG										
21...	1030	--	--	--	--	--	970	--	--	--
SEP										
18...	1005	--	--	--	--	--	1000	--	--	--

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)
AUG , 1974								
28...	1430	.00	.00	.0	.00	.00	.00	.00
APR , 1975								
04...	1130	.00	.00	.0	.00	.00	.00	.00
OCT								
09...	1500	.00	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL TOX-APHENE (UG/L)	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
AUG , 1974								
28...	.00	0	.00	.00	.0	.00	.00	.00
APR , 1975								
04...	.00	0	.00	.00	.0	.00	.00	.00
OCT								
09...	.00	0	.00	.00	.0	.00	.00	.00

09306700 WHITE RIVER BELOW ASPHALT WASH, NEAR WATSON, UTAH—CONTINUED

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	4.5	0.5	---	---	17.5	13.5	---	---	23.0	20.0	20.0	17.0
2	5.5	1.5	---	---	18.0	15.0	---	---	22.0	18.5	21.0	17.0
3	6.5	2.0	---	---	---	---	---	---	22.0	18.5	20.5	16.0
4	9.0	4.0	---	---	17.5	---	---	---	22.5	19.0	21.0	16.5
5	---	5.5	---	---	17.5	14.5	---	---	22.5	19.5	21.0	16.5
6	---	---	---	---	18.0	15.0	---	---	22.0	20.0	20.5	16.5
7	---	---	---	---	18.0	15.5	---	---	24.5	20.5	21.0	16.5
8	---	---	---	---	16.5	14.5	21.5	---	23.5	19.0	20.5	18.0
9	7.0	---	---	---	14.5	12.5	22.0	19.0	24.0	19.0	21.5	17.5
10	8.5	4.5	---	---	13.0	11.0	22.0	19.5	23.5	20.0	20.0	18.5
11	9.5	6.0	---	---	13.5	10.5	22.0	19.0	23.0	20.0	19.0	17.5
12	9.5	7.0	---	---	14.0	11.0	22.5	19.5	23.0	19.0	18.5	15.5
13	11.5	6.5	---	---	17.0	13.0	21.5	19.5	22.0	18.0	18.0	16.5
14	11.0	8.0	---	---	18.0	15.5	22.5	19.5	21.0	17.5	19.0	16.0
15	11.0	8.0	19.0	---	18.0	15.5	22.0	20.0	21.0	17.0	18.5	16.5
16	12.0	8.0	17.5	15.0	17.0	16.0	21.0	19.5	21.5	18.5	18.5	16.5
17	11.5	9.0	17.5	14.5	15.5	13.5	20.5	17.5	22.5	18.0	18.0	16.5
18	11.0	7.5	16.5	14.5	13.5	11.0	22.0	18.5	22.5	18.0	17.5	15.5
19	11.0	7.0	15.0	12.5	12.0	10.0	23.5	19.5	21.0	17.5	16.0	14.0
20	13.0	8.5	13.5	12.0	12.0	10.5	23.5	21.0	20.5	17.0	15.5	13.5
21	13.0	9.5	12.5	11.0	13.0	10.5	23.0	21.0	20.5	18.0	14.5	12.5
22	---	9.5	11.0	10.0	15.5	11.5	23.0	19.5	21.5	17.5	15.5	12.5
23	---	---	10.5	9.5	16.0	13.0	24.0	19.0	21.5	18.0	15.5	11.0
24	---	---	12.0	10.0	16.5	13.5	24.5	20.5	21.0	17.0	15.5	11.0
25	---	---	13.0	12.0	15.5	13.5	24.0	20.5	20.0	15.0	15.5	11.0
26	---	---	14.0	12.5	15.0	12.0	24.5	20.5	21.5	16.0	15.5	11.5
27	---	---	14.0	13.0	15.5	12.5	24.5	21.0	19.5	17.0	16.0	11.5
28	---	---	13.5	12.5	---	---	24.0	21.0	20.0	16.0	15.5	11.5
29	---	---	12.5	10.5	---	---	23.5	21.5	20.0	16.0	15.0	11.0
30	---	---	13.5	9.0	---	---	23.0	20.0	20.5	17.0	15.0	11.5
31	---	---	15.5	11.5	---	---	23.5	20.5	20.5	17.0	---	---
MONTH	---	---	---	---	18.0	10.0	---	---	24.5	15.0	21.5	11.0
YEAR	24.5	0.0										

TABLE 5.--CONTINUED

09306740 BITTER CREEK ABOVE DICK CANYON, NEAR WATSON, UTAH

LOCATION.--LAT 39 31 04 , LONG 109 04 16 , IN SE1/4 NW1/4 NW1/4 SEC. 13, T.15 S., R.25 E., UINTAH COUNTY, ON RIGHT BANK 1.2 MILES (1.9 KM) DOWNSTREAM FROM COLORADO-UTAH STATE LINE, 2.0 MILES (3.2 KM) UPSTREAM FROM DICK CANYON, AND 26 MILES (41.8 KM) SOUTHEAST OF WATSON.

DRAINAGE AREA.--11.7 MI2 (30.3 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO CURRENT YEAR.
CHEMICAL ANALYSES: OCTOBER 1974 TO CURRENT YEAR.

GAGE.--WATER-STAGE RECORDER AND CONCRETE CONTROL. ALTITUDE OF GAGE IS 7,040 FT (2,146 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 11 FT3/S (0.31 M3/S) APR. 25 (GAGE HEIGHT, 4.04 FT OR 1.231 M); MINIMUM OBSERVED 0.44 FT3/S (0.012 M3/S) JAN. 14, BUT MAY HAVE BEEN LESS DURING PERIOD OF ICE EFFECT.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 11 FT3/S (0.31 M3/S) AUG. 8 (GAGE HEIGHT, 4.06 FT OR 1.237 M); MINIMUM DAILY, 0.47 FT3/S (0.013 M3/S) NOV. 13.

REMARKS.--DISCHARGE: RECORDS GOOD EXCEPT THOSE FOR PERIOD OF NO GAGE-HEIGHT RECORD, WHICH ARE POOR.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.65	.85	.72	.50	.50	.60	.80	1.7	7.9	4.1	2.6	2.0
2	.65	.85	.67	.50	.50	.60	.80	1.7	7.6	4.0	2.6	2.0
3	.65	.82	.69	.50	.50	.60	.80	2.1	8.1	3.9	2.5	2.0
4	.65	.79	.70	.50	.50	.60	.80	3.0	8.0	3.8	2.5	2.0
5	.65	.64	.73	.50	.50	.60	.80	4.0	8.6	3.8	2.5	2.0
6	.65	.64	.74	.50	.50	.60	.90	4.8	9.5	3.8	2.5	1.9
7	.65	.64	.76	.50	.50	.60	1.1	5.2	8.6	3.7	2.4	1.9
8	.65	.73	.76	.50	.50	.60	1.2	4.5	8.2	4.6	2.4	2.0
9	.67	.88	.59	.50	.50	.60	1.3	3.5	7.9	3.9	2.4	1.9
10	.67	.76	.64	.50	.50	.60	1.4	3.0	8.0	3.6	2.4	1.9
11	.67	.64	.69	.50	.50	.60	1.4	2.9	8.2	3.3	2.3	3.3
12	.67	.73	.69	.50	.50	.60	1.4	2.8	7.9	3.1	2.3	2.7
13	.61	.88	.65	.50	.50	.60	1.5	2.8	8.0	3.1	2.3	1.9
14	.58	.85	.60	.50	.50	.60	1.5	3.0	7.4	3.1	4.5	1.9
15	.56	.88	.60	.50	.50	.60	1.5	3.8	7.2	2.9	3.5	1.9
16	.56	.76	.60	.50	.50	.60	1.7	5.6	6.6	3.0	2.5	1.9
17	.56	.79	.60	.50	.50	.60	2.0	7.0	6.4	2.8	2.2	1.8
18	.64	1.0	.60	.50	.50	.60	1.7	9.0	6.6	2.7	2.2	1.8
19	.61	.85	.60	.50	.50	.60	1.5	9.8	6.6	2.7	2.3	1.8
20	.58	.58	.60	.50	.50	.60	1.4	5.2	6.4	2.7	2.3	1.8
21	.61	.70	.60	.50	.50	.80	2.5	8.9	6.4	2.7	2.4	1.7
22	.64	.79	.60	.50	.50	.80	7.0	8.4	5.8	2.8	2.4	1.7
23	.70	.82	.60	.50	.50	.80	4.6	7.3	5.4	2.8	2.3	1.7
24	.76	.85	.60	.50	.50	.80	4.4	6.4	5.1	2.7	2.2	1.7
25	.67	.67	.60	.50	.50	.80	4.6	6.0	5.0	2.7	2.2	1.7
26	.64	.70	.60	.50	.50	.80	2.4	5.8	4.8	2.7	2.1	1.7
27	.67	.76	.60	.50	.50	.80	1.6	6.1	4.9	2.7	2.1	1.7
28	.73	.67	.60	.50	.50	.80	1.2	7.2	4.6	2.7	2.1	1.7
29	1.0	.70	.60	.50	---	.80	1.1	8.0	4.5	2.7	2.1	1.7
30	.85	.70	.60	.50	---	.80	1.9	9.0	4.5	2.6	2.1	1.7
31	.79	---	.60	.50	---	.80	---	8.1	---	2.6	2.0	---
TOTAL	20.64	22.92	19.83	15.50	14.00	20.80	56.80	166.6	204.7	98.3	75.2	57.4
MEAN	.67	.76	.64	.50	.50	.67	1.89	5.37	6.82	3.17	2.43	1.91
MAX	1.0	1.0	.76	.50	.50	.80	7.0	9.8	9.5	4.6	4.5	3.3
MIN	.56	.58	.59	.50	.50	.60	.80	1.7	4.5	2.6	2.0	1.7
AC-FT	41	45	39	31	28	41	113	330	406	195	149	114

WTR YR 1975 TOTAL 772.69 MEAN 2.12 MAX 9.8 MIN .50 AC-FT 1530

NOTE.--NO GAGE-HEIGHT RECORD DEC. 12 TO APR. 23.

09306740 BITTER CREEK ABOVE DICK CANYON, NEAR WATSON, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	1.4	1.4	1.3	.96	.96	1.6	1.1	9.7	3.3	2.1	1.4
2	1.6	1.4	1.3	1.3	.96	.90	1.6	1.1	9.7	3.3	2.2	1.4
3	1.6	1.3	1.2	1.2	.96	1.0	1.8	1.1	9.7	3.2	2.0	1.4
4	1.6	1.3	1.2	1.3	.96	1.0	1.8	1.1	9.7	3.1	1.9	1.3
5	1.5	1.2	1.2	1.2	.90	1.1	1.8	1.4	9.3	3.0	1.7	1.3
6	1.5	1.2	1.2	1.2	1.0	1.1	1.6	1.4	7.1	3.0	1.7	1.4
7	1.5	1.2	1.2	1.2	1.1	1.2	1.5	1.5	5.6	3.0	1.6	1.6
8	1.5	1.2	1.2	1.2	1.1	1.2	1.7	1.8	5.1	3.0	2.8	1.5
9	1.5	1.1	1.2	1.2	1.9	1.3	2.1	1.9	4.8	2.9	1.7	1.4
10	1.4	.96	1.2	1.2	1.5	1.4	2.1	3.7	4.7	2.9	2.0	1.5
11	1.4	.77	1.2	1.0	1.2	1.4	2.2	1.4	4.4	2.9	2.0	1.5
12	1.6	.96	1.2	1.1	1.1	1.5	2.1	3.6	4.5	2.9	1.9	1.6
13	1.5	.47	1.3	1.1	1.0	1.5	1.9	6.1	5.7	2.9	1.8	1.5
14	1.5	.55	.70	1.0	1.0	1.6	1.9	6.8	6.4	2.9	1.7	1.4
15	1.5	.70	1.0	1.0	1.0	1.6	1.8	7.1	6.2	2.9	1.8	1.4
16	1.4	.77	1.2	1.0	1.0	1.5	1.6	7.5	5.6	2.9	1.7	1.4
17	1.4	.96	1.2	1.0	.96	1.4	1.6	8.0	6.0	2.9	1.8	1.3
18	1.4	1.0	1.4	.96	.76	1.4	1.5	8.2	6.0	3.0	1.8	1.3
19	1.4	1.0	1.5	.96	1.0	1.2	1.5	9.1	5.6	3.3	1.8	1.3
20	1.4	1.0	1.4	.89	.70	1.2	1.4	10	5.0	4.1	1.8	1.3
21	1.4	.89	1.4	.89	1.1	1.2	1.5	10	4.7	3.5	1.7	1.3
22	1.4	1.4	1.4	.96	.96	1.3	1.4	10	5.0	2.6	1.8	1.5
23	1.6	.96	1.4	.96	.76	1.4	1.4	10	4.4	2.1	1.7	1.4
24	1.2	1.0	1.4	.90	.96	1.5	1.4	10	3.7	1.9	1.6	1.4
25	.83	1.2	1.4	.90	.96	1.6	1.4	10	3.7	2.0	1.6	1.6
26	1.4	.89	1.4	.90	.96	1.5	1.4	10	3.7	2.0	1.9	1.9
27	1.4	1.2	1.4	.90	1.0	1.4	1.2	9.9	3.6	2.2	1.6	1.4
28	1.4	.77	1.4	.90	.90	1.4	1.2	9.9	3.6	2.2	1.5	1.4
29	1.3	.83	1.2	.96	.90	1.4	1.2	9.9	3.5	2.2	1.6	1.4
30	1.4	1.0	1.3	.96	---	1.5	1.1	10	3.5	2.1	1.5	1.4
31	1.6	---	1.2	.96	---	1.6	---	9.9	---	2.1	1.4	---
TOTAL	44.73	30.58	39.30	32.50	29.56	41.26	48.3	193.5	170.2	86.3	55.7	42.9
MEAN	1.44	1.02	1.27	1.05	1.02	1.33	1.61	6.24	5.67	2.78	1.80	1.43
MAX	1.6	1.4	1.5	1.3	1.9	1.6	2.2	10	9.7	4.1	2.8	1.9
MIN	.83	.47	.70	.89	.70	.90	1.1	1.1	3.5	1.9	1.4	1.3
AC-FT	89	61	78	64	59	82	96	384	338	171	110	85

CAL YR 1975 TOTAL 823.91 MEAN 2.26 MAX 9.8 MIN .47 AC-FT 1630
WTR YR 1976 TOTAL 814.83 MEAN 2.23 MAX 10 MIN .47 AC-FT 1620

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
OCT , 1974											
15...	1800	.57	7.0	650	8.2	--	16	65	37	31	1.2
NOV											
18...	1350	1.1	1.0	680	--	--	15	69	35	29	.9
DEC											
13...	1530	.71	.0	750	8.5	--	18	79	43	27	1.2
JAN , 1975											
14...	1130	.40	.0	825	--	9.6	18	77	40	32	1.6
APR											
23...	1630	6.7	5.5	320	7.9	6.5	6.3	31	14	15	2.3
MAY											
30...	1310	8.9	12.0	504	8.1	9.0	13	55	30	16	1.1
JUN											
18...	1130	6.3	10.0	520	8.4	9.2	12	58	32	17	.9
JUL											
22...	1840	3.4	20.0	560	8.5	7.3	16	58	33	21	1.5
AUG											
20...	1100	2.3	11.5	610	8.1	8.6	15	55	36	23	1.1
SEP											
23...	1345	1.7	10.0	610	8.5	8.8	15	62	32	25	1.4
NOV											
17...	1530	1.0	.5	625	8.3	11.2	15	66	36	27	1.2
JAN , 1976											
20...	1330	.85	2.0	665	8.1	10.4	16	74	36	28	1.0
JUL											
22...	1700	2.9	21.5	550	8.4	7.0	14	56	31	20	1.4

TABLE 5.—CONTINUED

09306740 BITTER CREEK ABOVE DICK CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SULFIDE (S) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
OCT , 1974											
15...	271	0	150	1.9	.1	.2	.02	.00	.03	.20	.01
NOV											
18...	278	0	140	3.4	.2	.0	.02	.00	.03	1.1	.01
DEC											
13...	291	0	170	5.2	.2	.2	.35	.00	.04	.16	.02
JAN , 1975											
14...	302	0	170	3.4	.2	.2	.33	.01	.04	.37	.03
APR											
23...	125	0	63	1.0	.1	.2	.11	.01	.02	2.1	.11
MAY											
30...	239	0	76	3.1	.2	.1	.56	.00	.01	.47	.03
JUN											
18...	249	0	83	2.2	.2	.3	.22	.01	.01	.14	.00
JUL											
22...	254	0	100	3.5	.2	.2	.12	.01	.07	.67	.01
AUG											
20...	247	0	120	2.4	.2	--	.07	.00	.00	.16	.01
SEP											
23...	246	0	120	2.5	.2	.0	.04	.00	.00	.16	.01
NOV											
17...	292	0	140	2.7	.2	.2	.16	.01	.01	.27	.00
JAN , 1976											
20...	303	0	150	2.5	.2	--	.37	.01	.01	.26	.01
JUL											
22...	251	0	100	3.2	.3	--	.12	.00	.01	3.1	.04

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
OCT , 1974											
15...	.03	428	437	.66	.58	--	222	320	93	18	.8
NOV											
18...	.07	458	431	1.47	.62	--	228	320	89	17	.7
DEC											
13...	.01	525	490	1.01	.71	--	239	380	140	14	.6
JAN , 1975											
14...	.07	512	494	.55	.70	20	248	360	110	16	.7
APR											
23...	1.5	195	196	3.54	.27	300	103	140	33	19	.6
MAY											
30...	.00	310	316	7.51	.42	20	196	260	66	12	.4
JUN											
18...	.02	321	330	5.49	.44	6	204	280	73	12	.4
JUL											
22...	.08	364	360	3.43	.50	27	208	280	73	14	.5
AUG											
20...	.04	368	376	2.35	.50	18	203	290	84	15	.6
SEP											
23...	.00	374	381	1.80	.51	3	202	290	86	16	.6
NOV											
17...	.00	430	434	1.27	.58	8	240	310	74	16	.7
JAN , 1976											
20...	.00	--	460	1.06	.63	9	249	330	85	15	.7
JUL											
22...	.16	--	351	2.75	.48	65	206	270	62	14	.5

DATE	DISSOLVED ALUMINUM (AL) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LITHIUM (LI) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	DISSOLVED STRONTIUM (SR) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
OCT , 1974										
15...	5	2	0	0	90	0	.0	0	930	20
NOV										
18...	--	2	30	0	20	0	.0	0	920	30
DEC										
13...	--	1	30	9	10	20	<.1	0	990	0
JAN , 1975										
14...	20	3	30	7	30	10	.0	0	1000	20
APR										
23...	120	0	20	7	60	10	.0	0	370	6
MAY										
30...	30	1	10	3	60	10	.0	0	670	0
JUN										
18...	<10	0	30	1	30	10	.0	1	730	0
JUL										
22...	30	3	30	4	20	0	.1	0	730	30
AUG										
20...	0	2	20	1	0	20	.0	0	790	0
SEP										
23...	10	1	0	2	40	10	.0	0	770	160
NOV										
17...	10	2	20	1	20	20	.0	0	850	10
JAN , 1976										
20...	0	--	30	--	0	20	--	--	860	--
JUL										
22...	20	--	30	--	20	20	--	--	690	--

09306740 BITTER CREEK ABOVE DICK CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	COLOR (PLATINUM-COBALT UNITS)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL INORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT , 1974									
15...	1800	10	4	3.9	1.0	1	2.20	.600	.07
JAN , 1975									
14...	1130	0	6	7.0	--	12	1.00	1.00	.00
APR									
23...	1630	25	97	30	--	4	3.00	1.60	--
JUL									
22...	1840	9	15	7.3	--	3	3.30	5.10	--
JAN , 1976									
20...	1330	3	--	--	--	--	.900	1.90	--
JUL									
22...	1700	18	--	--	--	--	--	--	--

DATE	TIME	DISSOLVED BARIUM (BA) (UG/L)	DISSOLVED BERYLLIUM (BE) (UG/L)	DISSOLVED BISMUTH (BI) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	DISSOLVED GALLIUM (GA) (UG/L)	DISSOLVED GERMANIUM (GE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED MOLYBDENUM (MO) (UG/L)
OCT , 1974												
15...	1800	27	0	<2	<5	<2	<2	0	<2	4	2	0
JAN , 1976												
20...	1330	--	--	--	--	--	--	--	--	--	0	--
JUL												
22...	1700	--	--	--	--	--	--	--	--	--	0	--

DATE	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED SILVER (AG) (UG/L)	DISSOLVED TIN (SN) (UG/L)	DISSOLVED TITANIUM (TI) (UG/L)	DISSOLVED VANADIUM (V) (UG/L)	DISSOLVED ZIRCONIUM (ZR) (UG/L)	DISSOLVED GROSS ALPHA AS U-NAT. (UG/L)	DISSOLVED GROSS BETA AS CS-137 (PC/L)	DISSOLVED GROSS BETA AS SR90 /Y90 (PC/L)	DISSOLVED RA-226 (RADON METHOD) (PC/L)	DISSOLVED NATURAL URANIUM (U) (UG/L)
OCT , 1974											
15...	<2	0	<2	<1	<.7	<3	<5.7	2.8	2.3	.04	1.3
JAN , 1976											
20...	--	--	--	--	--	--	--	--	--	--	--
JUL											
22...	--	--	--	--	--	--	--	--	--	--	--

DATE	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL MALATHION (UG/L)	TOTAL PARATHION (UG/L)	TOTAL DIAZINON (UG/L)	TOTAL METHYL PARATHION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT , 1974										
15...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL TOXAPHENE (UG/L)
OCT , 1974										
15...	1800	.00	.00	.0	.00	.00	.00	.00	.00	0

TABLE 5.—CONTINUED

09306760 SWEETWATER CANYON CREEK BELOW SOUTH CANYON, NEAR WATSON, UTAH

LOCATION.--LAT 39 32 12 , LONG 109 13 21 , IN NE1/4 SW1/4 SW1/4 SEC. 3, T.15 S., R.24 E., UINTAH COUNTY, ON LEFT BANK 0.6 MILE (1.0 KM) DOWNSTREAM FROM SOUTH CANYON AND 24 MILES (38.6 KM) SOUTHWEST OF WATSON.

DRAINAGE AREA.--22.6 MI2 (58.5 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO CURRENT YEAR.
CHEMICAL ANALYSES: OCTOBER 1974 TO CURRENT YEAR.

GAGE.--WATER-STAGE RECORDER AND CONCRETE CONTROL. ALTITUDE OF GAGE IS 6,820 FT (2,079 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 39 FT3/S (1.10 M3/S) MAY 5 (GAGE HEIGHT, 2.58 FT OR 0.786 M) FROM SLOPE-AREA MEASUREMENT; MINIMUM DAILY, 0.09 FT3/S (0.003 M3/S) JULY 19.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 68 FT3/S (1.93 M3/S) AUG. 8 (GAGE HEIGHT, 2.82 FT OR 0.860 M) FROM SLOPE-AREA MEASUREMENT; MINIMUM DAILY, 0.16 FT3/S (0.005 M3/S) NOV. 14.

REMARKS.--DISCHARGE: RECORDS FAIR.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.40	.37	.62	.45	.45	.45	1.1	.22	.27	.33	.32	.34
2	.40	.34	.62	.45	.45	.45	4.2	.19	.22	.33	.29	.34
3	.40	.34	.62	.45	.45	.45	.34	.22	.19	.33	.31	.34
4	.40	.34	.73	.45	.45	.45	.34	.29	.17	.56	.32	.34
5	.40	.34	.73	.45	.45	.45	3.6	2.1	.16	.38	.30	.34
6	.40	.34	.73	.45	.45	.45	.73	1.4	.14	.41	.25	.37
7	.40	.37	.73	.45	.45	.45	.37	.50	.39	.43	.30	.37
3	.40	.37	.73	.45	.45	.45	2.7	.47	.61	.32	.30	.39
9	.40	.37	.73	.45	.45	.45	.34	.44	.44	.19	.30	.37
10	.37	.37	.60	.45	.45	.45	.34	.61	.44	.23	.30	.37
11	.37	.37	.60	.45	.45	.45	.31	.73	.37	.38	.23	.42
12	.31	.37	.60	.45	.45	.45	.28	.98	.51	.39	.24	.39
13	.31	.37	.60	.45	.45	.45	.37	.73	.44	.42	.25	.37
14	.31	.40	.60	.45	.45	.45	.44	.48	.44	.41	.25	.37
15	.28	.40	.60	.45	.45	.45	2.7	.45	.37	.42	.30	.34
16	.28	.40	.60	.45	.45	.45	3.3	.44	.37	.38	.30	.37
17	.28	.40	.60	.45	.45	.45	1.1	.53	.37	.28	.30	.33
18	.28	.40	.60	.45	.45	.45	.25	.53	.36	.18	.30	.30
19	.28	.40	.60	.45	.45	.45	.25	.47	.36	.09	.30	.30
20	.28	.40	.60	.45	.45	2.1	1.6	.39	.37	.26	.35	.30
21	.28	.51	.60	.45	.45	.44	4.5	.67	.37	.36	.35	.30
22	.31	.51	.60	.45	.45	.16	5.2	.75	.34	.33	.34	.30
23	.34	.51	.60	.45	.45	3.3	3.0	.53	.31	.32	.34	.22
24	.31	.51	.60	.45	.45	3.0	1.6	.40	.31	.33	.34	.22
25	.31	.51	.60	.45	.45	.22	4.2	.35	.31	.34	.34	.22
26	.31	.51	.60	.45	.45	1.4	.52	.32	.32	.34	.34	.22
27	.34	.51	.60	.45	.45	8.9	.28	.35	.32	.34	.34	.22
28	.34	.51	.60	.45	.45	3.9	.28	1.3	.32	.35	.34	.22
29	.37	.62	.60	.45	---	3.3	2.9	1.0	.32	.36	.34	.22
30	.34	.62	.60	.45	---	3.3	.32	.35	.32	.34	.34	.25
31	.34	---	.60	.45	---	.34	---	.38	---	.33	.34	---
TOTAL	10.54	12.78	19.44	13.95	12.60	38.91	47.46	18.57	10.23	10.46	9.56	9.45
MEAN	.34	.43	.63	.45	.45	1.26	1.58	.60	.34	.34	.31	.32
MAX	.40	.62	.73	.45	.45	8.9	5.2	2.1	.61	.56	.35	.42
MIN	.28	.34	.60	.45	.45	.16	.25	.19	.14	.09	.23	.22
AC-FT	21	25	39	28	25	77	94	37	20	21	19	19

WTR YR 1975 TOTAL 213.95 MEAN .59 MAX 8.9 MIN .09 AC-FT 424

TABLE 5.—CONTINUED

09306760 SWEETWATER CANYON CREEK BELOW SOUTH CANYON, NEAR WATSON, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.25	.31	.29	.30	.30	.40	.50	.40	.40	.40	.37	.30
2	.27	.31	.29	.30	.30	.40	.72	.40	.40	.40	.37	.30
3	.28	.31	.31	.30	.30	.40	.58	.40	.40	.40	.37	.30
4	.28	.31	.31	.30	.30	.40	.45	.40	.40	.40	.37	.30
5	.30	.29	.31	.30	.30	.40	.40	.40	.40	.40	.37	.30
6	.31	.30	.31	.30	.30	.40	.40	.40	.40	.40	.37	.40
7	.31	.31	.31	.30	.30	.40	.40	.40	.40	.40	.37	.40
8	.30	.31	.31	.30	.30	.40	.40	.40	.40	.40	3.4	.40
9	.28	.30	.31	.30	.30	.40	.40	.40	.37	.40	.84	.40
10	.28	.28	.31	.30	.30	.40	.40	.40	.37	.40	.37	.40
11	.28	.38	.31	.30	.30	.40	.40	.40	.37	.40	.31	.40
12	.28	3.3	.31	.30	.30	.40	.40	.40	.37	.40	.34	.40
13	.28	.24	.31	.30	.30	.40	.40	.40	.37	.40	.34	.40
14	.28	.16	.30	.30	.30	.40	.40	.40	.37	.40	.37	.40
15	.31	.21	.30	.30	.30	.40	.40	.40	.37	.40	.37	.36
16	.31	.28	.30	.30	.30	.40	.40	.40	.37	.40	.34	.36
17	.31	.28	.30	.30	.30	.40	.40	.40	.40	.40	.34	.36
18	.31	.29	.30	.30	.30	.40	.40	.37	.40	.40	.34	.37
19	.31	.30	.30	.30	.30	.40	.40	.37	.40	.40	.31	.37
20	.31	.30	.30	.30	.30	.40	.40	.40	.40	.40	.31	.37
21	.32	.30	.30	.30	.30	.40	.40	.40	.40	.40	.37	.37
22	.33	.30	.30	.30	.30	.40	.40	.37	.40	.40	.37	.44
23	.34	.28	.30	.30	.30	.40	.40	.37	.40	.37	.34	.41
24	.33	.30	.30	.30	.30	.40	.40	.40	.40	.34	.31	.42
25	1.5	.34	.30	.30	.30	.40	.40	.40	.38	.37	.31	.49
26	.30	.30	.30	.30	.30	.40	.40	.40	.41	.37	.31	.37
27	.31	.30	.30	.30	.30	.40	.40	.40	.42	.37	.31	.44
28	.31	.30	.30	.30	.30	.40	.40	.40	.41	.37	.30	.47
29	.31	.28	.30	.30	.30	.40	.40	.40	.42	.37	.30	.47
30	.31	.48	.29	.30	---	.40	.40	.40	.44	.37	.30	.44
31	.31	---	.28	.30	---	.40	---	.40	---	.37	.30	---
TOTAL	10.51	11.95	9.36	9.30	8.70	12.40	12.65	12.28	11.84	12.10	14.09	11.61
MEAN	.34	.40	.30	.30	.30	.40	.42	.40	.39	.39	.45	.39
MAX	1.5	3.3	.31	.30	.30	.40	.72	.40	.44	.40	3.4	.49
MIN	.25	.16	.28	.30	.30	.40	.40	.37	.37	.34	.30	.30
AC-FT	21	24	19	18	17	25	25	24	23	24	28	23

CAL YR 1975 TOTAL 203.01 MEAN .56 MAX 8.9 MIN .09 AC-FT 403
WTR YR 1976 TOTAL 136.79 MEAN .37 MAX 3.4 MIN .16 AC-FT 271

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
OCT , 1974											
16...	1000	.32	6.5	1275	8.2	--	22	140	70	60	1.6
NOV											
19...	0855	.42	4.0	1125	8.5	--	21	150	60	61	1.3
DEC											
09...	1715	.62	2.5	1275	8.3	--	21	150	66	57	1.4
JAN , 1975											
15...	1200	.46	4.0	975	8.1	8.8	22	150	69	59	1.8
MAR											
19...	1400	.43	14.5	1350	8.2	7.9	20	150	69	61	2.9
APR											
25...	1700	.44	15.5	1500	--	--	18	180	74	78	5.5
MAY											
29...	1600	.35	11.0	1300	7.2	9.4	21	150	70	62	2.0
JUN											
17...	1800	.34	13.5	1270	8.2	8.7	21	150	72	61	1.7
JUL											
22...	1136	.31	22.0	1300	8.3	7.5	23	150	70	62	2.4
AUG											
20...	1800	.34	13.0	1310	8.0	8.4	22	130	82	60	2.1
SEP											
22...	1900	.29	10.5	1300	8.4	9.0	22	150	65	62	1.8
OCT											
23...	1335	.35	15.0	1400	--	8.6	20	150	64	59	2.0
NOV											
18...	1000	.28	4.0	1310	8.4	9.8	19	160	67	60	1.4
JUL , 1976											
23...	1600	.36	20.5	1350	8.1	8.2	20	150	70	61	1.6

TABLE 5.—CONTINUED

09306760 SWEETWATER CANYON CREEK BELOW SOUTH CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SULFIDE (S) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
OCT , 1974											
16...	305	0	470	12	.1	.0	.63	.00	.02	.32	.03
NOV											
19...	295	0	450	12	.1	.0	.73	.01	.04	1.0	.03
DEC											
09...	323	0	460	12	.2	.1	.72	--	.02	.14	.04
JAN , 1975											
15...	324	0	490	12	.1	.1	.67	.01	.03	.23	.05
MAR											
19...	322	0	490	14	.1	.2	.71	.02	.04	.42	.09
APR											
25...	362	0	580	14	.2	.1	.56	.01	.10	3.0	.08
MAY											
29...	321	0	530	12	.2	.1	.58	.01	.00	4.5	.06
JUN											
17...	288	0	490	12	.2	.0	.57	.01	.13	.12	.00
JUL											
22...	277	0	550	11	.2	.1	.53	.01	.08	.76	.02
AUG											
20...	286	0	500	10	.2	--	.66	.00	.00	.30	.05
SEP											
22...	298	0	490	11	.1	.0	.71	.01	.00	.25	.05
OCT											
23...	302	0	480	12	.2	.0	.65	.00	.05	.28	.03
NOV											
18...	300	0	510	14	.2	.0	.57	.01	.00	.40	.04
JUL , 1976											
23...	285	0	500	13	.3	--	1.0	.01	.01	.09	.06

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
OCT , 1974											
16...	.02	1000	931	.86	1.36	--	250	640	390	17	1.0
NOV											
19...	.06	1010	906	1.15	1.37	--	242	620	380	18	1.1
DEC											
09...	.06	986	932	1.67	1.34	--	265	650	380	16	1.0
JAN , 1975											
15...	.07	1000	969	1.24	1.36	10	266	660	400	16	1.0
MAR											
19...	1.1	1060	972	1.23	1.44	300	264	660	400	17	1.0
APR											
25...	1.3	1210	1130	1.44	1.65	360	297	760	460	18	1.2
MAY											
29...	.04	1020	1010	.96	1.39	140	263	670	400	17	1.0
JUN											
17...	.04	1000	955	.92	1.36	4	236	670	440	16	1.0
JUL											
22...	.02	1010	1010	.85	1.37	2	227	670	440	17	1.0
AUG											
20...	.05	998	953	.92	1.36	36	235	660	430	16	1.0
SEP											
22...	.07	1010	954	.79	1.37	15	244	640	400	17	1.1
OCT											
23...	.09	1010	941	.95	1.37	6	248	640	390	17	1.0
NOV											
18...	.03	979	984	.74	1.33	0	246	680	430	16	1.0
JUL , 1976											
23...	.05	--	963	.94	1.31	6	234	670	430	17	1.0

09306760 SWEETWATER CANYON CREEK BELOW SOUTH CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT , 1974										
16...	13	3	0	0	40	0	.0	1	2200	20
NOV										
19...	--	3	50	1	90	0	.0	0	2100	40
DEC										
09...	--	3	40	8	10	20	<.1	1	2000	0
JAN , 1975										
15...	20	3	50	2	20	20	.0	0	2200	30
MAR										
19...	10	8	60	130	10	10	.0	2	1900	0
APR										
25...	20	2	60	7	10	10	.0	2	2400	20
MAY										
29...	40	2	50	2	70	10	.0	1	2200	0
JUN										
17...	<10	2	50	5	70	10	.0	1	2400	0
JUL										
22...	30	1	60	4	30	0	.0	1	2200	30
AUG										
20...	0	2	40	1	0	20	.0	1	2100	20
SEP										
22...	20	3	40	1	30	10	.0	1	2100	10
OCT										
23...	40	3	40	4	50	10	.4	1	2100	50
NOV										
18...	20	3	60	2	80	10	.0	1	2000	0
JUL , 1976										
23...	30	--	60	--	20	20	--	--	2200	--

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL IN-ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT , 1974									
16...	1000	10	4	4.7	1.0	3	2.30	1.20	.10
JAN , 1975									
15...	1200	0	2	3.0	--	5	1.40	3.00	.00
APR									
25...	1700	6	42	25	--	5	3.20	2.90	--
JUL									
22...	1136	4	12	11	--	12	2.80	4.60	--
OCT									
23...	1335	--	11	5.4	--	3	15.0	8.90	--
JUL , 1976									
23...	1600	7	--	--	--	--	--	--	--

DATE	TIME	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)
OCT , 1974												
16...	1000	36	0	0	<18	<6	<6	<2	<6	<6	130	<3
OCT , 1975												
23...	1335	30	<3	<10	0	<6	<6	<3	<10	<6	60	<3
JUL , 1976												
23...	1600	--	--	--	--	--	--	--	--	--	30	--

TABLE 5.—CONTINUED

09306760 SWEETWATER CANYON CREEK BELOW SOUTH CANYON, NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED URANIUM (U) (UG/L)
OCT , 1974											
16...	<6	0	<6	<4	<3.0	<9	<16	4.8	4.0	.07	1.9
OCT , 1975											
23...	<6	<1	<10	<3	<3.0	<10	<12	3.3	2.8	.06	.20
JUL , 1976											
23...	--	--	--	--	--	--	--	--	--	--	--

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL TOX-APHENE (UG/L)
OCT , 1974										
16...	1000	.00	.00	.0	.00	.00	.00	.00	.00	0
APR , 1975										
25...	1700	.00	.00	.0	.00	.00	.00	.00	.00	0
OCT										
23...	1335	.00	.00	.0	.00	.00	.00	.00	.00	0

DATE	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL MALA-THION (UG/L)	TOTAL PARA-THION (UG/L)	TOTAL DI-AZINON (UG/L)	TOTAL METHYL PARA-THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT , 1974										
16...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00
APR , 1975										
25...	.00	.00	.0	--	--	--	--	.00	.00	.00
OCT										
23...	.00	.00	.0	--	--	--	--	.00	.00	.00

TABLE 5.—CONTINUED

09306780 SWEETWATER CANYON CREEK NEAR MOUTH NEAR WATSON, UTAH

LOCATION.--LAT 39 39 29 , LONG 109 19 58 , IN SW1/4 SE1/4 NW1/4 SEC. 27, T.13 S., R.23 E., UINTAH COUNTY, ON RIGHT BANK 0.6 MILE (1.0 KM) UPSTREAM FROM PARK CANYON AND 18.1 MILES (29.1 KM) SOUTHWEST OF WATSON.

DRAINAGE AREA.--124 MI2 (321 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO CURRENT YEAR.
CHEMICAL ANALYSES: MARCH 1975 TO CURRENT YEAR.

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 6,000 FT (1,829 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 24 FT3/S (0.68 M3/S) APR. 21 (GAGE HEIGHT, 1.94 FT OR 0.591 M) FROM SLOPE-AREA MEASUREMENT OF PEAK FLOW; NO FLOW MOST OF YEAR.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 59 FT3/S (1.67 M3/S) JULY 25 (GAGE HEIGHT, 2.70 FT OR 0.823 M) FROM SLOPE-AREA MEASUREMENT OF THE PEAK FLOW; NO FLOW MOST OF YEAR.

REMARKS.--DISCHARGE: RECORDS FAIR.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0	.90	0	0			0	
2					0	4.3	0	0			0	
3					0	2.4	0	0			0	
4					0	2.8	0	0			0	
5					0	1.6	0	0			0	
6					0	.30	.46	0			0	
7					0	.38	.03	0			0	
8					0	.54	0	0			0	
9					0	.30	0	0			0	
10					0	0	0	0			0	
11					0	0	0	0			.12	
12					0	0	0	0			0	
13					0	0	0	0			0	
14					0	0	0	0			0	
15					0	0	0	0			0	
16					0	0	0	0			0	
17					0	0	1.7	0			0	
18					0	0	0	0			0	
19					0	.06	0	0			0	
20					0	.46	.12	0			0	
21					0	.70	.27	0			0	
22					0	.12	.06	.15			0	
23					0	.09	0	0			0	
24					0	0	0	0			0	
25					0	0	0	0			0	
26					0	0	0	0			0	
27					.17	0	0	0			0	
28					.30	0	0	.74			0	
29					---	0	0	0			0	
30					---	0	0	0			0	
31		---			---	0	---	0	---		0	---
TOTAL	0	0	0	0	.47	14.95	2.64	.89	0	0	.12	0
MEAN	0	0	0	0	.017	.48	.088	.029	0	0	.004	0
MAX	0	0	0	0	.30	4.3	1.7	.74	0	0	.12	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	.9	30	5.2	1.8	0	0	.2	0

WTR YR 1975 TOTAL 19.07 MEAN .052 MAX 4.3 MIN 0 AC-FT 38

TABLE 5.—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				0	.10	.50	.64			0		
2				0	.10	.50	.80			0		
3				0	.10	.50	.72			0		
4				0	.10	.50	.24			0		
5				0	.10	.50	.32			0		
6				0	.10	.40	.56			0		
7				0	.10	.30	.60			0		
8				0	.10	.30	.50			0		
9				0	.20	.30	.40			0		
10				0	.30	.30	.40			0		
11				0	.40	.20	.40			0		
12				0	.40	.20	.50			0		
13				0	.40	.20	.50			0		
14				0	.40	.20	.60			0		
15				0	.40	.20	.64			0		
16				0	.40	.05	.64			0		
17				.02	.50	.05	.48			0		
18				.01	.50	.05	.40			0		
19				.04	.50	.05	.56			.03		
20				.04	.50	.05	.27			0		
21				.05	.40	.10	.16			0		
22				.05	.40	.20	.10			0		
23				.05	.40	.30	0			0		
24				.05	.40	.30	0			0		
25				.05	.40	.40	0			9.4		
26				.10	.50	.50	.64			4.8		
27				.10	.50	.50	0			1.8		
28				.10	.50	.50	0			.80		
29				.10	.50	.50	0			0		
30				.10	---	.50	0			0		
31		---		.10	---	.50	---		---	0		---
TOTAL	0	0	0	.96	9.70	9.65	11.07	0	0	16.83	0	0
MEAN	0	0	0	.031	.33	.31	.37	0	0	.54	0	0
MAX	0	0	0	.10	.50	.50	.80	0	0	9.4	0	0
MIN	0	0	0	0	.10	.05	0	0	0	0	0	0
AC-FT	0	0	0	1.9	19	19	22	0	0	33	0	0

CAL YR 1975 TOTAL 19.07 MEAN .052 MAX 4.3 MIN 0 AC-FT 38
WTR YR 1976 TOTAL 48.21 MEAN .13 MAX 9.4 MIN 0 AC-FT 96

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
MAR , 1975											
06...	1430	.33	13.0	1900	8.0	--	13	180	130	130	6.4
19...	1230	--	12.0	2000	8.5	7.6	12	160	110	120	4.3
APR											
15...	1230	.44	10.0	1950	8.2	8.4	13	170	110	120	4.6
21...	1500	.29	24.5	1860	8.1	6.7	13	170	110	120	6.1
JAN , 1976											
20...	1130	.04	.5	5250	8.1	11.3	33	490	400	410	19
FEB											
17...	1420	.91	.0	1800	--	10.6	14	170	120	120	4.2
APR											
21...	1310	.19	21.0	2030	8.1	8.0	10	140	140	150	3.2

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DISSOLVED SULFIDE (S) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
MAR , 1975											
06...	330	0	880	25	.3	--	.2	.80	.01	.08	3.6
19...	308	0	760	23	.4	--	.2	.59	.01	.06	7.0
APR											
15...	333	0	770	20	.2	--	.0	.65	.01	.05	11
21...	301	0	790	23	.2	--	.0	.73	.02	.10	15
JAN , 1976											
20...	563	0	3000	140	.3	--	--	4.1	.08	.25	2.7
FEB											
17...	355	--	840	24	.2	--	--	1.0	--	--	--
APR											
21...	217	0	990	28	.2	.3	.3	.01	.00	.03	1.6

TABLE 5.—CONTINUED

09306780 SWEETWATER CANYON CREEK NEAR MOUTH NEAR WATSON, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TUR-BID-ITY (JTU)	ALKA-LINITY AS CACO3 (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PERCENT SODIUM
MAR , 1975											
06...	.08	1.3	1660	1530	1.48	2.26	600	271	990	720	22
19...	.06	.99	1500	1350	--	2.04	1200	253	860	600	23
APR											
15...	.07	2.7	1520	1380	1.81	2.07	3200	273	880	610	23
21...	.06	5.4	1540	1390	1.21	2.09	3000	247	880	630	23
JAN , 1976											
20...	.12	.13	--	4800	.52	6.53	10	462	2900	2400	24
FEB											
17...	.04	--	--	1470	3.61	2.00	--	291	920	630	22
APR											
21...	.00	.19	1740	1570	.89	2.37	82	178	930	750	26

DATE	SODIUM AD-SORP-TION RATIO	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAR , 1975											
06...	1.8	20	4	120	6	40	20	.0	1	2800	30
19...	1.8	40	2	110	3	20	40	.1	2	2700	0
APR											
15...	1.8	30	1	100	210	10	30	.0	1	3000	2
21...	1.8	30	1	130	2	10	30	.0	1	2800	0
JAN , 1976											
20...	3.3	0	--	410	--	40	90	--	--	8700	--
FEB											
17...	1.7	--	--	90	--	20	--	--	--	--	--
APR											
21...	2.1	0	3	110	3	10	40	.0	1	2800	0

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL IN-ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
APR , 1975									
15...	1230	10	270	E100	--	3	1.60	1.30	--
21...	1500	40	370	E105	--	15	3.90	1.10	--
JAN , 1976									
20...	1130	50	--	--	--	--	.600	.500	--
APR									
21...	1310	5	--	10	56	2	--	--	.10

DATE	TIME	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)
JAN , 1976											
20...	1130	--	--	--	--	110	--	--	--	--	--
FEB											
17...	1420	--	--	--	--	30	--	--	--	--	--
APR											
21...	1310	0	0	0	0	10	3	3.7	46	15	12

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL TOX-APHENE (UG/L)
APR , 1975										
15...	1230	.00	.00	.0	.00	.00	.00	.00	.00	0
21...	1500	.00	.00	.0	.00	.00	.00	.00	.00	0

DATE	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL MALA-THION (UG/L)	TOTAL PARA-THION (UG/L)	TOTAL DI-AZINON (UG/L)	TOTAL METHYL PARA-THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
APR , 1975										
15...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00
21...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00

09306800 BITTER CREEK NEAR BONANZA, UTAH

LOCATION.--LAT 39 45 12 , LONG 109 21 15 , IN SW1/4 SW1/4 SW1/4 SEC. 21, T.12 S., R.23 E., UINTAH COUNTY, ON LEFT BANK 150 FT (46 M) UPSTREAM FROM ROAD BRIDGE, 3 MILES (5 KM) DOWNSTREAM FROM SWEETWATER CANYON CREEK, 17 MILES (27 KM) UPSTREAM FROM MOUTH, AND 18 MILES (29 KM) SOUTH-SOUTHWEST OF BONANZA.

DRAINAGE AREA.--324 MI2 (839 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1970 TO CURRENT YEAR.
CHEMICAL ANALYSES: NOVEMBER 1974 TO CURRENT YEAR.

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 5,570 FT (1,698 M) FROM TOPOGRAPHIC MAP.

AVERAGE DISCHARGE.--6 YEARS, 1.53 FT3/S (0.043 M3/S), 1,110 ACRE-FT/YR (1.37 HM3/YR).

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 20 FT3/S (0.57 M3/S) JULY 17 (GAGE HEIGHT, 5.00 FT OR 1.524 M); NO FLOW FOR MANY DAYS.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 6.9 FT3/S (0.20 M3/S) MAY 9 (GAGE HEIGHT, 4.50 FT OR 1.372 M); NO FLOW FOR MANY DAYS.
PERIOD OF RECORD:
DISCHARGE: MAXIMUM DISCHARGE, 1,660 FT3/S (47.0 M3/S) JULY 17, 1974, GAGE HEIGHT, 13.55 FT (4.130 M) FROM FLOOD-MARKS; RATING CURVE EXTENDED ABOVE 5 FT3/S (0.142 M3/S) ON BASIS OF SLOPE-AREA MEASUREMENT OF PEAK FLOW; NO FLOW FOR MANY DAYS EACH YEAR.

REMARKS.--DISCHARGE: RECORDS FAIR EXCEPT THOSE FOR WINTER PERIOD AND PERIOD OF NO GAGE-HEIGHT RECORD, WHICH ARE POOR. SMALL RESERVOIRS ON TRIBUTARIES ABOVE STATION.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.10	.11	.07	0	.45	.60	2.5	5.6	2.5	.26	0
2	0	.10	.13	.07	0	.45	1.0	2.5	5.4	2.4	.18	0
3	0	.10	.15	.07	0	.45	1.2	2.2	5.9	2.4	.09	0
4	0	.10	.17	.07	0	.45	1.5	2.2	5.9	2.4	.07	0
5	0	.10	.18	.07	0	.45	1.6	3.0	5.6	3.4	.08	0
6	0	.10	.18	.03	0	.45	1.9	4.3	5.4	4.3	.05	0
7	0	.10	.19	.03	0	.45	1.8	4.3	5.4	3.9	.02	0
8	0	.11	.19	.03	.03	.45	1.8	3.2	7.2	3.2	0	0
9	0	.11	.19	.03	.08	.45	1.8	2.7	7.4	5.6	0	0
10	0	.10	.20	.03	.15	.45	1.7	2.5	7.6	6.6	0	0
11	0	.10	.20	.02	.20	.45	2.2	2.2	7.9	5.2	0	.26
12	0	.10	.19	.02	.25	.44	2.4	1.3	6.9	4.5	.08	.08
13	0	.11	.18	.02	.30	.41	2.2	1.7	6.6	4.1	.37	.02
14	0	.11	.18	.02	.30	.48	2.0	1.7	5.9	6.6	.44	.02
15	0	.11	.17	.02	.35	.44	2.2	1.9	5.4	4.9	.41	.02
16	0	.10	.17	.01	.37	.44	3.0	1.9	4.9	4.9	.33	.02
17	0	.11	.16	.01	.37	.48	4.1	1.9	5.2	8.5	.26	.01
18	0	.15	.16	.01	.33	.44	2.5	2.0	6.2	4.9	.11	.01
19	.02	.10	.15	.01	.37	.48	2.4	2.8	6.6	3.4	.04	.01
20	.08	.10	.14	.01	.41	.44	2.2	2.5	5.6	2.5	.02	.01
21	.08	.15	.13	0	.33	.44	3.2	5.2	6.2	3.0	.04	.01
22	.09	.22	.13	0	.33	.42	9.3	4.5	6.2	2.8	.04	0
23	.10	.15	.12	0	.33	.42	7.4	4.5	5.4	2.2	.01	0
24	.08	.11	.11	0	.37	.41	4.3	4.1	4.5	1.5	.01	0
25	.08	.11	.11	0	.37	.41	4.1	3.6	4.5	.50	0	.01
26	.09	.11	.10	0	.33	.41	5.4	3.6	3.9	.40	0	.01
27	.10	.10	.09	0	.41	.45	4.3	3.9	3.9	.20	0	.01
28	.10	.10	.09	0	.42	.45	3.4	7.2	3.4	.10	0	0
29	.15	.10	.09	0	---	.45	3.0	9.3	3.0	.07	0	0
30	.10	.10	.09	0	---	.45	2.7	7.2	2.7	.10	0	0
31	.10	---	.09	0	---	.45	---	5.9	---	.10	0	---
TOTAL	1.17	3.36	4.54	.65	6.40	13.76	87.20	108.3	166.3	97.17	2.91	.50
MEAN	.038	.11	.15	.021	.23	.44	2.91	3.49	5.54	3.13	.094	.017
MAX	.15	.22	.20	.07	.42	.48	9.3	9.3	7.9	8.5	.44	.26
MIN	0	.10	.09	0	0	.41	.60	1.3	2.7	.07	0	0
AC-FT	2.3	6.7	9.0	1.3	13	27	173	215	330	193	5.8	1.0

CAL YR 1974 TOTAL 817.71 MEAN 2.24 MAX 92 MIN 0 AC-FT 1620
WTR YR 1975 TOTAL 492.26 MEAN 1.35 MAX 9.3 MIN 0 AC-FT 976

TABLE 5.—CONTINUED

09306800 BITTER CREEK NEAR BONANZA, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.41	.80	.40	.50	5.5	4.0	4.0	4.7	2.1	.15	0
2	0	.37	.80	.40	.50	4.5	4.0	4.2	4.4	2.1	.11	0
3	0	.37	.80	.40	.50	3.5	4.2	4.2	4.2	1.6	.11	0
4	0	.41	.80	.40	.50	3.0	4.9	4.2	4.0	1.4	.11	0
5	.04	.67	.80	.40	.50	2.9	4.7	4.2	4.0	1.2	.04	0
6	.08	.67	.80	.40	.50	2.8	5.2	4.7	4.0	1.1	.02	0
7	.10	.67	.80	.40	.50	2.7	5.8	5.8	4.0	1.1	.02	0
8	.07	.95	.70	.40	.60	2.6	5.8	6.1	4.0	.92	.02	0
9	.10	.86	.60	.40	.80	3.5	5.2	6.6	3.8	.54	.02	0
10	.11	.95	.60	.40	2.5	4.5	4.7	5.8	3.8	.73	0	0
11	.11	1.9	.60	.50	3.0	5.2	4.7	5.6	3.8	.73	0	0
12	.15	2.5	.60	.50	3.5	5.0	4.0	5.4	4.0	1.0	0	0
13	.15	.86	.60	.50	3.5	4.5	4.2	5.2	4.7	1.0	0	0
14	.15	.95	.50	.50	3.5	4.0	4.7	5.4	5.2	.48	0	0
15	.18	1.1	.40	.50	3.5	3.8	5.6	5.2	4.9	.41	0	0
16	.18	1.1	.40	.50	3.5	3.6	5.9	4.9	4.9	.33	0	0
17	.18	1.0	.40	.50	3.5	3.6	4.9	4.4	4.9	.30	0	0
18	.18	1.1	.40	.50	3.5	3.4	4.8	2.5	4.9	1.1	0	0
19	.22	1.1	.40	.50	3.5	3.3	4.7	3.0	4.7	2.6	0	0
20	.26	1.1	.40	.50	3.3	3.3	4.7	4.0	4.2	5.2	0	0
21	.37	1.1	.40	.50	3.0	3.3	4.7	4.9	3.6	4.9	0	0
22	.48	1.1	.40	.50	3.0	3.2	4.6	5.8	4.7	3.8	0	0
23	.30	1.1	.40	.50	3.5	3.8	4.4	5.6	5.4	.82	0	0
24	.30	1.1	.40	.50	3.7	4.2	4.4	5.4	4.4	1.2	0	0
25	.33	1.1	.40	.50	4.0	4.7	4.4	5.6	3.8	1.2	0	0
26	.30	1.0	.40	.50	4.5	4.4	4.4	5.6	3.2	3.2	0	.03
27	.30	1.0	.40	.50	5.0	3.8	4.4	5.2	2.7	1.7	0	0
28	.30	.90	.40	.50	5.5	3.2	4.4	4.9	2.5	1.0	0	0
29	.48	.80	.40	.50	5.5	3.2	4.2	4.7	2.5	.76	0	0
30	.48	.67	.40	.50	---	3.4	4.0	4.7	2.2	.33	0	0
31	.44	---	.40	.50	---	3.8	---	4.7	---	.18	0	---
TOTAL	6.34	28.91	16.60	14.50	79.40	116.2	140.6	152.5	122.1	45.03	.60	.03
MEAN	.20	.96	.54	.47	2.74	3.75	4.69	4.92	4.07	1.45	.019	.001
MAX	.48	2.5	.80	.50	5.5	5.5	5.9	6.6	5.4	5.2	.15	.03
MIN	0	.37	.40	.40	.50	2.6	4.0	2.5	2.2	.18	0	0
AC-FT	13	57	33	29	157	230	279	302	242	89	1.2	.06

CAL YR 1975 TOTAL 535.04 MEAN 1.47 MAX 9.3 MIN 0 AC-FT 1060
WTR YR 1976 TOTAL 722.81 MEAN 1.97 MAX 6.6 MIN 0 AC-FT 1430

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
AUG , 1974											
06...	1205	--	21.0	>8000	--	--	--	--	--	--	--
NOV											
21...	1430	.21	1.5	8000	7.6	--	9.3	360	550	890	12
DEC											
10...	1230	.20	-.5	7500	7.4	--	12	420	660	1100	8.2
JAN , 1975											
21...	1405	--	.0	7100	7.8	9.3	12	400	670	1000	12
FEB											
18...	1700	.34	4.0	7100	8.0	11.2	9.1	360	630	1000	12
MAR											
19...	1530	.62	18.0	7000	8.4	12.7	7.5	390	630	1000	13
APR											
15...	1640	2.2	11.5	6500	8.2	9.8	9.5	350	510	810	11
MAY											
21...	1500	5.2	13.0	5500	8.2	9.5	12	330	380	560	8.7
JUN											
19...	1730	5.9	17.0	4000	8.2	9.0	12	300	310	460	7.0
JUL											
23...	1400	2.2	24.5	5500	8.2	11.4	15	260	340	510	8.3
AUG											
21...	1455	.03	20.0	--	7.8	6.9	10	360	600	940	13
OCT											
23...	1500	.27	6.0	6500	--	11.5	9.4	350	520	920	13
NOV											
19...	1330	1.1	3.0	5850	8.3	11.8	11	340	430	670	8.8
JAN , 1976											
20...	1530	.48	.5	7280	7.9	11.9	11	390	580	930	9.5
APR											
29...	1400	4.6	17.0	4720	8.0	11.6	9.3	290	330	490	8.4
JUL											
15...	1930	2.0	26.0	4500	8.0	6.0	--	--	--	--	--
19...	2020	2.7	24.0	4700	8.0	6.1	12	280	340	560	9.4
AUG											
18...	1130	.00	--	--	--	--	--	--	--	--	--
SEP											
24...	1630	.00	--	--	--	--	--	--	--	--	--

TABLE 5.—CONTINUED

09306800 BITTER CREEK NEAR BONANZA, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DISSOLVED SULFIDE (S) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
AUG , 1974											
06...	--	--	--	--	--	--	--	--	--	--	--
NOV											
21...	619	0	4200	82	1.1	--	.0	.47	.01	.34	1.3
DEC											
10...	725	0	5300	96	1.3	--	.0	.82	.03	.41	1.3
JAN , 1975											
21...	696	0	5100	95	1.4	--	.0	.61	.02	.51	1.8
FEB											
18...	624	0	4800	88	1.3	--	.1	.24	.01	.29	1.3
MAR											
19...	607	0	4600	91	1.2	--	.2	.11	.01	.13	1.1
APR											
15...	550	0	3800	69	.9	--	.0	1.5	.04	.04	1.4
MAY											
21...	536	0	3000	50	.7	--	.2	.84	.03	.04	1.8
JUN											
19...	503	0	2500	43	.6	--	.2	.48	.02	.02	1.1
JUL											
23...	458	0	2700	47	.9	--	.1	.02	.01	.04	.81
AUG											
21...	530	0	4500	79	1.2	--	--	.08	.01	.00	.91
OCT											
23...	575	0	4400	80	1.0	--	.0	.58	.02	.01	.96
NOV											
19...	559	0	3400	58	.9	--	.0	.37	.00	.00	1.7
JAN , 1976											
20...	663	0	4700	81	1.3	--	--	.97	.02	.02	1.7
APR											
29...	473	--	2600	64	.7	.4	.0	.19	.01	.05	.96
JUL											
15...	--	--	--	--	--	--	--	--	--	--	--
19...	461	0	2700	42	.9	--	--	.08	.01	.00	.76
AUG											
18...	--	--	--	--	--	--	--	--	--	--	--
SEP											
24...	--	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM
AUG , 1974											
06...	--	--	--	--	--	--	--	--	--	--	--
NOV											
21...	.03	.05	7970	6420	4.52	10.8	--	508	3200	2700	38
DEC											
10...	.04	.24	8960	7970	4.84	12.2	--	595	3800	3200	39
JAN , 1975											
21...	.11	.05	8890	7650	--	12.1	4	571	3800	3200	37
FEB											
18...	.03	.05	8330	7220	7.65	11.3	10	512	3500	3000	38
MAR											
19...	.06	.04	8410	7040	14.1	11.4	10	498	3600	3100	38
APR											
15...	.05	.27	6760	5850	40.7	9.19	120	451	3000	2500	37
MAY											
21...	.03	.02	5160	4620	73.4	7.02	150	440	2400	2000	34
JUN											
19...	.00	.08	4330	3890	69.0	5.89	35	413	2000	1600	33
JUL											
23...	.00	.02	4720	4120	29.1	6.42	5	376	2100	1700	35
AUG											
21...	.01	.05	7610	6780	.62	10.4	25	435	3400	2900	38
OCT											
23...	.00	.07	7250	6590	5.29	9.86	1	472	3000	2600	40
NOV											
19...	.00	.00	6010	5210	17.8	8.17	1	459	2600	2200	36
JAN , 1976											
20...	.04	.04	--	7050	9.14	9.59	10	544	3400	2800	38
APR											
29...	.01	.07	4550	4040	56.6	6.19	20	388	2100	1700	34
JUL											
15...	--	--	--	--	--	--	--	--	--	--	--
19...	.04	.03	--	4180	31.4	5.68	10	378	2100	1700	37
AUG											
18...	--	--	--	--	--	--	--	--	--	--	--
SEP											
24...	--	--	--	--	--	--	--	--	--	--	--

09306800 BITTER CREEK NEAR BONANZA, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	SODIUM AD-SORP-TION RATIO	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
AUG , 1974											
06...	--	--	--	--	--	--	--	--	--	--	--
NOV											
21...	6.9	--	14	160	2	70	220	.0	0	4600	1400
DEC											
10...	7.8	--	2	3200	12	40	280	<.1	1	3800	150
JAN , 1975											
21...	7.1	30	11	2800	70	60	240	.0	0	8800	60
FEB											
18...	7.4	10	7	2300	4	40	220	.0	0	8000	40
MAR											
19...	7.3	10	12	2300	6	40	260	.0	1	4600	0
APR											
15...	6.5	50	8	2200	130	30	200	.0	1	7500	6
MAY											
21...	5.0	30	9	1000	3	60	130	.0	1	8000	8
JUN											
19...	4.4	<10	5	960	3	40	100	.0	0	7900	0
JUL											
23...	4.9	20	11	1300	7	10	110	.0	0	6400	20
AUG											
21...	7.0	10	19	3000	5	80	250	.0	0	8500	20
OCT											
23...	7.3	20	11	2000	7	40	210	.3	1	7700	5
NOV											
19...	5.7	20	10	1700	3	10	150	.0	0	7800	10
JAN , 1976											
20...	7.0	0	--	2700	--	20	220	--	--	7800	--
APR											
29...	4.7	10	5	1100	3	20	110	.1	1	6600	10
JUL											
15...	--	--	--	--	--	--	--	--	--	--	--
19...	5.3	10	--	1200	--	30	130	--	--	7500	--
AUG											
18...	--	--	--	--	--	--	--	--	--	--	--
SEP											
24...	--	--	--	--	--	--	--	--	--	--	--

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL IN-ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
JAN , 1975									
21...	1405	30	78	32	--	3	2.90	5.00	.10
APR									
15...	1640	15	65	26	--	15	5.00	1.00	--
JUL									
23...	1400	15	47	23	--	4	1.10	1.80	.10
OCT									
23...	1500	--	69	1.0	--	1	2.60	.600	--
JAN , 1976									
20...	1530	30	--	--	--	--	4.70	3.10	--
APR									
29...	1400	10	--	13	98	4	--	--	.10
JUL									
19...	2020	25	--	--	--	--	--	--	--

DATE	TIME	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)
OCT , 1975												
23...	1500	40	<8	<40	1	<40	<40	<30	<70	<50	90	130
JAN , 1976												
20...	1530	--	--	--	--	--	--	--	--	--	170	--
APR												
29...	1400	0	--	--	0	10	--	--	--	1	100	33
JUL												
19...	2020	--	--	--	--	--	--	--	--	--	20	--

09306800 BITTER CREEK NEAR BONANZA, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED URANIUM (U) (UG/L)
OCT , 1975											
23...	<40	<4	<50	<40	<40	<70	<75	19	17	.05	1.1
JAN , 1976											
20...	--	--	--	--	--	--	--	--	--	--	--
APR											
29...	--	--	--	--	.0	--	<41	16	13	--	--
JUL											
19...	--	--	--	--	--	--	--	--	--	--	--

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)
APR , 1975								
15...	1640	.00	.00	.0	.00	.00	.00	.00
OCT								
23...	1500	.00	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL TOX-APHENE (UG/L)	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
APR , 1975								
15...	.00	0	.00	.00	.0	.00	.00	.00
OCT								
23...	.00	0	.00	.00	.0	.00	.00	.00

TABLE 5.—CONTINUED

09306850 BITTER CREEK AT MOUTH, NEAR BONANZA, UTAH

LOCATION.--LAT 39 57 56 , LONG 109 24 59 , IN NE1/4 SE1/4 NE1/4 SEC. 10, T.10 S., R.22 E., UINTAH COUNTY, ON LEFT BANK 0.6 MILE (1.0 KM) UPSTREAM FROM MOUTH AND 13 MILES (20.9 KM) SOUTHWEST OF BONANZA.

DRAINAGE AREA.--398 MI2 (1,031 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO CURRENT YEAR.
CHEMICAL ANALYSES: OCTOBER 1974 TO CURRENT YEAR.

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 4,780 FT (1,457 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 29 FT3/S (0.82 M3/S) JULY 17 (GAGE HEIGHT, 1.28 FT OR 0.390 M); MINIMUM DAILY, 0.10 FT3/S (0.003 M3/S) JULY 2.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 32 FT3/S (0.91 M3/S) FEB. 10 OR 11 (GAGE HEIGHT, 1.58 FT OR 0.482 M); MINIMUM DAILY, 0.26 FT3/S (0.007 M3/S) SEPT. 13.

REMARKS.--DISCHARGE: RECORDS GOOD EXCEPT THOSE DURING WINTER PERIODS, WHICH ARE FAIR.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.36	.70	.53	.48	.80	.84	1.3	1.7	2.3	.13	.54	.58
2	.36	.61	.48	.48	.81	1.0	1.5	1.3	1.7	.10	.53	.58
3	.36	.63	.48	.48	.84	.64	.94	.57	1.5	.18	.53	.59
4	.42	.60	.48	.48	.84	.54	.48	.40	2.3	.17	.53	.60
5	.42	.60	.48	.48	.84	.54	.39	2.3	1.9	.16	.54	.60
6	.48	.83	.48	.54	.75	.76	.42	3.2	1.6	.15	.55	.61
7	.48	.84	.48	.54	.66	.74	.46	3.2	1.5	.21	.56	.56
8	.48	.84	.48	.55	.66	.84	.45	2.6	2.7	.23	.54	.56
9	.54	.69	.48	.54	.68	.84	.50	1.5	4.0	.22	.55	.58
10	.54	.60	.48	.52	.70	1.0	.50	.52	4.8	.28	.56	.60
11	.54	.58	.48	.48	.70	1.1	.52	.34	4.7	.27	.58	.61
12	.54	.83	.47	.48	.71	.63	.55	.27	4.1	.27	.60	.63
13	.54	.84	.47	.48	.84	.60	.54	.30	3.5	.27	.74	.66
14	.54	.84	.44	.52	.92	.60	.56	.30	2.8	.33	.76	.72
15	.54	.69	.48	.53	.89	.60	.61	.30	2.1	.36	.68	.72
16	.60	.60	.54	.54	.93	.66	.66	.33	1.6	.43	.62	.71
17	.60	.60	.54	.60	.96	.88	.87	.39	1.6	5.7	.62	.71
18	.60	.81	.54	.60	.89	.84	.91	.42	2.7	4.4	.61	.63
19	.60	.60	.54	.60	.83	.84	.94	.38	3.9	2.5	.57	.54
20	.54	.60	.54	.60	.82	.81	1.1	.46	3.9	1.8	.60	.57
21	.54	.60	.54	.61	.60	.82	.94	1.5	4.2	1.2	.66	.59
22	.54	.63	.54	.61	.60	.83	1.0	2.7	4.5	.87	.68	.60
23	.60	.56	.50	.60	.60	.84	5.0	2.7	3.5	.47	.67	.60
24	.56	.56	.45	.61	.60	.83	3.4	1.6	2.6	.54	.62	.55
25	.57	.56	.45	.67	.60	.91	2.3	.87	1.8	.44	.60	.50
26	.84	.54	.45	.65	.60	.99	3.4	.63	1.8	.44	.63	.50
27	.84	.54	.47	.67	.69	.98	4.3	1.0	.68	.45	.55	.48
28	.84	.54	.48	.70	.84	1.0	3.2	3.3	.52	.46	.57	.48
29	.84	.54	.48	.75	---	1.2	2.7	5.8	.31	1.5	.56	.49
30	.67	.54	.48	.77	---	.73	2.3	5.4	.15	.50	.57	.48
31	.60	---	.48	.78	---	1.1	---	3.4	---	.53	.57	---
TOTAL	17.52	19.54	15.21	17.94	21.20	25.53	42.74	49.68	75.26	25.56	18.49	17.63
MEAN	.57	.65	.49	.58	.76	.82	1.42	1.60	2.51	.82	.60	.59
MAX	.84	.84	.54	.78	.96	1.2	5.0	5.8	4.8	5.7	.76	.72
MIN	.36	.54	.44	.48	.60	.54	.39	.27	.15	.10	.53	.48
AC-FT	35	39	30	36	42	51	85	99	149	51	37	35

WTR YR 1975 TOTAL 346.30 MEAN .95 MAX 5.8 MIN .10 AC-FT 687

09306850 BITTER CREEK AT MOUTH, NEAR BONANZA, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.50	.65	.60	.57	.57	1.9	.36	1.6	4.2	.86	.30	.31
2	.50	.65	.60	.57	.57	2.0	.36	1.7	3.6	.75	.30	.31
3	.50	.65	.60	.57	.57	1.6	.36	1.7	3.6	.75	.30	.32
4	.57	.65	.60	.57	.57	1.2	.36	1.7	3.5	.75	.30	.32
5	.57	.75	.60	.57	.57	1.1	.36	1.7	2.9	.86	.30	.33
6	.57	.65	.60	.57	.57	.75	.40	1.7	2.7	.86	.30	.33
7	.65	.65	.60	.57	.57	.57	.57	2.0	2.6	.98	.27	.33
8	.57	.65	.60	.57	.57	.45	.40	2.5	2.4	.86	.30	.34
9	.50	.65	.60	.57	2.0	.40	.40	2.6	2.2	.86	.33	.34
10	.50	.65	.60	.57	6.5	1.2	.40	3.0	1.9	.75	.30	.42
11	.50	.65	.60	.57	7.9	2.6	.36	2.7	1.9	.75	.30	.38
12	.50	.65	.60	.57	6.0	1.0	.45	2.6	2.0	.65	.30	.30
13	.50	.65	.60	.57	4.2	.75	.57	2.4	2.0	.50	.30	.26
14	.57	.65	.60	.57	5.8	.60	.98	2.4	3.1	.65	.30	.38
15	.57	.65	.60	.57	4.6	.56	1.2	2.2	2.9	.57	.30	.52
16	.57	.65	.57	.57	3.8	.53	1.6	2.1	2.6	.57	.30	.52
17	.57	.65	.57	.57	3.3	.51	1.9	2.0	2.7	.45	.30	.52
18	.57	.65	.57	.57	2.2	.50	1.9	1.0	2.9	.45	.30	.52
19	.57	.65	.57	.57	1.7	.50	2.4	1.2	2.6	.45	.30	.52
20	.57	.65	.57	.57	2.0	.50	2.4	2.6	2.0	.40	.30	.52
21	.57	.60	.57	.57	.65	.50	2.0	3.6	1.7	.33	.30	.52
22	.57	.60	.57	.57	.36	.45	2.2	4.4	1.7	.30	.30	.52
23	.75	.60	.57	.57	.36	.45	1.9	4.6	2.7	.33	.33	.52
24	.65	.60	.57	.57	.36	.57	1.9	4.2	2.7	.33	.33	.57
25	.65	.60	.57	.57	.50	.65	1.9	4.6	2.2	.33	.30	.57
26	.75	.60	.57	.57	2.0	.65	1.9	4.8	1.7	.33	.30	.57
27	.65	.60	.57	.57	2.2	1.1	1.8	4.4	1.2	.30	.30	.57
28	.65	.60	.57	.57	2.7	1.1	1.8	4.2	.75	.30	.30	.57
29	.65	.60	.57	.57	2.6	.98	1.7	4.4	.65	.30	.30	.52
30	.75	.60	.57	.57	---	.45	1.6	4.4	.65	.27	.30	.52
31	.75	---	.57	.57	---	.36	---	4.4	---	.27	.31	---
TOTAL	18.31	19.10	18.12	17.67	66.29	26.48	36.43	89.4	70.25	17.11	9.37	13.24
MEAN	.59	.64	.58	.57	2.29	.85	1.21	2.88	2.34	.55	.30	.44
MAX	.75	.75	.60	.57	7.9	2.6	2.4	4.8	4.2	.98	.33	.57
MIN	.50	.60	.57	.57	.36	.36	.36	1.0	.65	.27	.27	.26
AC-FT	36	38	36	35	131	53	72	177	139	34	19	26

CAL YR 1975 TOTAL 349.56 MEAN .96 MAX 5.8 MIN .10 AC-FT 693
WTR YR 1976 TOTAL 401.77 MEAN 1.10 MAX 7.9 MIN .26 AC-FT 797

NOTE.--NO GAGE-HEIGHT RECORD FEB. 7-11.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
OCT , 1974											
01...	1330	--	19.5	>8000	7.7	--	12	260	620	3500	14
NOV											
21...	1400	.56	11.5	15500	8.0	--	11	300	560	3300	14
DEC											
10...	1500	.61	3.5	17000	7.8	--	11	300	600	3500	7.4
JAN , 1975											
22...	1200	.57	1.0	14000	8.1	14.3	11	290	590	3500	11
FEB											
19...	1040	.60	3.0	15500	7.9	15.7	9.5	290	640	3500	12
MAR											
20...	1130	.61	8.5	14500	8.1	14.0	8.3	290	--	3500	14
APR											
17...	1300	.64	7.5	15200	7.6	15.4	6.8	280	630	3400	13
MAY											
22...	1130	2.7	11.7	9000	8.2	10.5	6.5	320	520	1500	10
JUN											
19...	1300	3.9	18.5	7500	8.3	9.4	7.8	270	480	1200	9.2
JUL											
25...	1430	.43	28.4	17500	7.6	12.2	7.8	310	610	3600	16
AUG											
21...	1130	.65	19.0	18900	8.2	9.5	9.4	310	640	3600	15
SEP											
24...	1215	.50	--	--	7.3	11.2	8.1	320	650	3700	10
NOV											
20...	1535	.69	8.0	15600	--	12.2	10	240	600	3600	12
JAN , 1976											
19...	1400	.57	7.5	15300	8.1	12.0	9.3	290	590	3500	10
FEB											
11...	1600	5.6	2.0	3760	--	--	6.2	110	150	590	12
APR											
23...	1400	2.4	17.5	8660	8.2	8.6	6.8	270	480	1400	11
JUL											
15...	1700	.56	29.0	15400	7.8	7.9	--	--	--	--	--
20...	1500	.31	29.5	15500	8.0	8.4	7.2	270	590	3700	15
AUG											
18...	1400	.30	27.0	15260	8.0	7.5	--	--	--	--	--
SEP											
24...	1930	1.2	24.0	16200	7.6	8.0	--	--	--	--	--

TABLE 5.—CONTINUED

09306850 BITTER CREEK AT MOUTH, NEAR BONANZA, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DISSOLVED SULFIDE (S) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT , 1974											
01...	840	0	9300	220	.8	--	.2	5.4	.11	.50	1.7
NOV											
21...	826	0	8400	220	.7	--	.0	6.2	.08	.31	.74
DEC											
10...	812	0	9000	220	.7	--	.0	5.4	.08	.31	1.5
JAN , 1975											
22...	821	0	9800	210	.7	--	.0	6.5	.08	.27	1.6
FEB											
19...	812	0	9500	220	.7	--	.0	6.2	.07	.25	1.6
MAR											
20...	811	0	9600	220	3.3	--	.0	6.4	.09	.03	1.2
APR											
17...	795	0	9200	220	.7	--	.0	5.9	.10	.24	1.6
MAY											
22...	570	0	5200	110	.7	--	.1	2.9	.06	.03	1.7
JUN											
19...	504	0	4400	86	.7	--	.1	1.1	.04	.01	1.4
JUL											
25...	768	0	9800	220	.9	--	.0	4.8	.11	.03	.81
AUG											
21...	842	0	10000	44	.8	--	.0	5.1	.12	.00	1.5
SEP											
24...	837	0	10000	220	.7	--	.0	5.3	.10	.00	2.0
NOV											
20...	828	0	9900	240	.7	--	.0	5.5	.06	.00	3.1
JAN , 1976											
19...	805	0	9400	210	.7	--	--	7.0	.05	.02	2.1
FEB											
11...	284	--	1800	48	.4	--	--	8.3	--	--	--
APR											
23...	525	0	5000	100	.7	.8	.0	1.7	.03	.02	1.9
JUL											
15...	--	--	--	--	--	--	--	--	--	--	--
20...	797	0	9900	250	1.0	--	--	4.8	.12	.03	1.1
AUG											
18...	--	--	--	--	--	--	--	--	--	--	--
SEP											
24...	--	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM
OCT , 1974											
01...	.04	.28	15900	14400	--	21.6	--	689	3200	2500	70
NOV											
21...	.04	.06	15600	13300	24.0	21.2	--	677	3100	2400	70
DEC											
10...	.05	.01	15300	14100	25.2	20.8	--	666	3200	2600	70
JAN , 1975											
22...	.03	.04	15300	14900	23.5	20.8	2	673	3200	2500	71
FEB											
19...	.02	.02	15300	14600	24.8	20.8	2	666	3400	2700	69
MAR											
20...	.03	.05	15400	--	25.4	20.9	2	665	--	--	153
APR											
17...	.07	.05	15400	14200	26.6	20.9	3	652	3300	2600	69
MAY											
22...	.04	.11	9070	7970	66.6	12.3	68	468	2900	2500	53
JUN											
19...	.00	.02	7570	6720	80.3	10.3	15	413	2700	2200	50
JUL											
25...	.01	.03	15600	15000	18.1	21.2	3	630	3300	2700	70
AUG											
21...	.01	.05	15700	15100	27.6	21.4	3	691	3400	2700	70
SEP											
24...	.01	.00	15900	15400	21.5	21.6	1	687	3500	2800	70
NOV											
20...	.01	.01	15400	15100	28.7	20.9	1	679	3100	2400	72
JAN , 1976											
19...	.03	.00	--	14500	22.3	19.7	10	660	3200	2500	71
FEB											
11...	.03	--	--	2900	43.8	3.94	--	233	890	660	59
APR											
23...	.01	.17	8520	7540	55.9	11.6	80	431	2700	2200	53
JUL											
15...	--	--	--	--	--	--	--	--	--	--	--
20...	.05	.02	--	15200	12.7	20.7	4	654	3100	2500	72
AUG											
18...	--	--	--	--	--	--	--	--	--	--	--
SEP											
24...	--	--	--	--	--	--	--	--	--	--	--

09306850 BITTER CREEK AT MOUTH, NEAR BONANZA, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	SODIUM AD-SORP-TION RATIO	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT , 1974											
01...	27	660	3	16000	6	40	220	.1	6	4800	20
NOV											
21...	26	--	3	12000	1	60	200	.0	8	3600	110
DEC											
10...	27	--	2	11000	14	20	220	<.1	5	2700	20
JAN , 1975											
22...	27	0	16	11000	6	10	190	.0	4	9000	40
FEB											
19...	26	0	1	12000	10	30	180	.0	5	8100	50
MAR											
20...	--	--	1	11000	--	--	--	--	7	--	--
APR											
17...	26	60	3	11000	5	10	200	.0	10	4600	10
MAY											
22...	12	<10	8	4800	5	40	180	.0	3	5000	8
JUN											
19...	10	<10	4	3800	7	40	140	.0	2	7700	10
JUL											
25...	27	30	3	11000	8	20	200	.0	3	7600	20
AUG											
21...	27	20	3	11000	8	50	220	.0	7	4600	20
SEP											
24...	27	30	2	12000	13	40	190	7.0	8	8400	10
NOV											
20...	28	40	3	12000	8	30	180	.0	9	4100	30
JAN , 1976											
19...	27	0	--	11000	--	20	180	--	--	4100	--
FEB											
11...	8.6	--	--	1900	--	80	--	--	--	--	--
APR											
23...	12	20	5	3100	6	20	170	.0	3	4600	10
JUL											
15...	--	--	--	--	--	--	--	--	--	--	--
20...	29	20	--	12000	--	70	220	--	--	3000	--
AUG											
18...	--	--	--	--	--	--	--	--	--	--	--
SEP											
24...	--	--	--	--	--	--	--	--	--	--	--

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL IN-ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT , 1974									
01...	1330	20	69	39	1.0	2	12.0	6.20	.15
JAN , 1975									
22...	1200	10	56	21	--	3	12.0	10.0	.20
APR									
17...	1300	8	65	26	--	1	4.30	.000	--
JUL									
25...	1430	15	67	35	--	2	13.0	3.30	.10
JAN , 1976									
19...	1400	15	--	--	--	--	26.0	17.0	--
APR									
23...	1400	18	--	21	97	3	--	--	.20
JUL									
20...	1500	35	--	--	--	--	--	--	--

DATE	TIME	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)
OCT , 1974												
01...	1330	30	<18	<85	<270	<85	<40	<40	<85	<85	85	65
JAN , 1976												
19...	1400	--	--	--	--	--	--	--	--	--	60	--
FEB												
11...	1600	--	--	--	--	--	--	--	--	--	50	--
APR												
23...	1400	0	--	--	0	10	--	--	--	1	40	49
JUL												
20...	1500	--	--	--	--	--	--	--	--	--	60	--

09306850 BITTER CREEK AT MOUTH, NEAR BONANZA, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED NATURAL URANIUM (U) (UG/L)
OCT , 1974											
01...	<40	<9	<85	<40	<40	<130	<180	280	220	.07	41
JAN , 1976											
19...	--	--	--	--	--	--	--	--	--	--	--
FEB											
11...	--	--	--	--	--	--	--	--	--	--	--
APR											
23...	--	--	--	--	1.2	--	120	26	22	--	--
JUL											
20...	--	--	--	--	--	--	--	--	--	--	--

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)
OCT , 1974								
01...	1330	.00	.00	.0	.00	.00	.00	.00
APR , 1975								
17...	1300	.00	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL TOX-APHENE (UG/L)	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT , 1974								
01...	.00	0	.00	.00	.0	.00	.00	.00
APR , 1975								
17...	.00	0	.00	.00	.0	.00	.00	.00

TABLE 5.—CONTINUED

09306870 SAND WASH NEAR OURAY, UTAH

LOCATION.--LAT 39 55 51 , LONG 109 29 45 , IN NE1/4 NW1/4 SE1/4 SEC. 24, T.10 S., R.21 E., UINTAH COUNTY, ON RIGHT BANK 6.4 MILES (10.3 KM) SOUTH OF THE MOUTH AND 14 MILES (22.5 KM) SOUTHEAST OF OURAY.

DRAINAGE AREA.--59.7 MI2 (155 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO CURRENT YEAR.
CHEMICAL ANALYSES: FEBRUARY 1976 TO CURRENT YEAR.

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 5,150 FT (1,570 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 4.0 FT3/S (0.11 M3/S) JULY 29 (GAGE HEIGHT, 1.98 FT OR 0.604 M); NO FLOW MOST OF YEAR.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 27 FT3/S (0.76 M3/S) JULY 30 (GAGE HEIGHT, 2.31 FT OR 0.704 M); NO FLOW MOST OF YEAR.

REMARKS.--DISCHARGE: RECORDS POOR.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						1.5				0		
2						1.5				0		
3						0				0		
4						0				0		
5						0				0		
6						0				0		
7						0				0		
8						0				0		
9						0				0		
10						0				0		
11						0				0		
12						0				0		
13						0				0		
14						0				0		
15						0				0		
16						0				0		
17						0				0		
18						0				0		
19						0				0		
20						0				0		
21						0				0		
22						0				0		
23						0				0		
24						0				0		
25						0				0		
26						0				0		
27						0				0		
28						0				0		
29					---	0				.13		
30					---	0				0		
31		---			---	0	---		---	0		---
TOTAL	0	0	0	0	0	3.0	0	0	0	.13	0	0
MEAN	0	0	0	0	0	.097	0	0	0	.004	0	0
MAX	0	0	0	0	0	1.5	0	0	0	.13	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	6.0	0	0	0	.3	0	0

WTR YR 1975 TOTAL 3.13 MEAN .0090 MAX 1.5 MIN 0 AC-FT 6.2

NOTE.--NO GAGE-HEIGHT RECORD JAN. 22 TO APR. 17.

09306870 SAND WASH NEAR OURAY, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0	0				0		0
2					0	0				0		0
3					0	0				0		0
4					0	0				0		0
5					0	0				0		0
6					0	0				0		0
7					0	0				0		0
8					0	0				0		0
9					0	0				0		0
10					.50	0				0		0
11					1.0	0				0		0
12					0	0				0		0
13					0	0				0		0
14					0	.03				0		0
15					0	.14				0		0
16					0	0				0		0
17					0	0				0		0
18					0	0				0		0
19					0	0				0		0
20					0	0				0		0
21					0	0				0		0
22					0	0				0		0
23					0	0				0		0
24					0	0				0		.72
25					0	0				0		0
26					0	0				0		0
27					0	0				0		0
28					0	0				0		0
29					0	0				0		0
30					---	0				1.1		0
31		---			---	0	---		---	.24		---
TOTAL	0	0	0	0	1.50	.17	0	0	0	1.34	0	.72
MEAN	0	0	0	0	.052	.006	0	0	0	.043	0	.024
MAX	0	0	0	0	1.0	.14	0	0	0	1.1	0	.72
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	3.0	.3	0	0	0	2.7	0	1.4

CAL YR 1975 TOTAL 3.13 MEAN .0090 MAX 1.5 MIN 0 AC-FT 6.2
WTR YR 1976 TOTAL 3.73 MEAN .010 MAX 1.1 MIN 0 AC-FT 7.4

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
FEB , 1976									
11...	1420	.94	.0	400	5.4	28	5.5	40	10

DATE	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
FEB , 1976								
11...	91	93	2	45	1.8	130	280	20

DATE	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)
FEB , 1976									
11...	111	43	30	.1	3.6	.07	233	.59	.32

09306900 WHITE RIVER AT MOUTH NEAR OURAY, UTAH.

LOCATION.--LAT 40 03 54 , LONG 109 38 06 , IN SE1/4 SE1/4 NW1/4 SEC. 2, T.9 S., R.20 E., UINTAH COUNTY, ON LEFT BANK 1.8 MILES (2.9 KM) FROM OURAY AND 2.2 MILES (3.5 KM) UPSTREAM FROM MOUTH.

DRAINAGE AREA.--5,120 MI2 (13,260 KM2).

PERIOD OF RECORD.--DISCHARGE: APRIL 1974 TO CURRENT YEAR.
CHEMICAL ANALYSES: FEBRUARY 1974 TO CURRENT YEAR.

GAGE.--WATER-STAGE RECORDER. ALTITUDE OF GAGE IS 4,655 FT (1,419 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DAILY DISCHARGE, 3,950 FT3/S (112 M3/S) JUNE 10 (GAGE HEIGHT, 7.57 FT OR 2.307 M); MINIMUM DAILY, 180 FT3/S (5.10 M3/S) DEC. 26-28.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 2,110 FT3/S (59.8 M3/S) MAY 21 (GAGE HEIGHT, 5.79 FT OR 1.765 M); MINIMUM, 110 FT3/S (3.12 M3/S) JULY 18.
PERIOD OF RECORD:
DISCHARGE: MAXIMUM DAILY DISCHARGE, 3,950 FT3/S (112 M3/S) JUNE 10, 1975 (GAGE HEIGHT, 7.57 FT OR 2.307 M); MINIMUM, 110 FT3/S (3.12 M3/S) JULY 18, 1976.

REMARKS.--DISCHARGE: RECORDS POOR DURING 1975 WATER YEAR AND FAIR DURING 1976 WATER YEAR. DIVERSIONS FOR IRRIGATION OF ABOUT 37,800 ACRES (153 KM2) ABOVE STATION.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	400	475	260	370	400	480	495	590	1600	2650	604	347
2	388	480	240	370	400	510	470	550	1700	2700	625	333
3	380	490	270	360	390	560	430	520	2000	2750	590	331
4	394	475	310	340	390	580	440	510	2300	2700	562	325
5	380	455	380	320	380	600	460	500	2500	2690	531	328
6	392	460	480	300	380	620	480	590	2700	2720	519	331
7	418	450	500	300	400	630	530	630	2950	2510	513	333
8	450	430	450	295	410	640	551	670	3300	2420	495	320
9	445	420	380	290	420	630	534	600	3800	2200	489	304
10	457	420	330	290	420	610	494	560	3950	2000	531	306
11	480	430	300	285	420	610	455	540	3500	1920	525	370
12	495	430	255	290	420	610	434	560	2800	1680	489	695
13	490	430	300	300	420	600	421	660	2400	1540	513	495
14	515	430	370	310	420	584	436	720	2500	1390	604	477
15	510	440	380	320	420	559	438	820	2800	1360	537	435
16	490	440	390	325	410	568	437	1050	3200	1240	489	483
17	470	440	395	330	400	600	440	1300	3500	1320	549	441
18	470	430	360	330	390	604	475	2100	3600	1260	531	423
19	455	420	350	335	380	591	550	2000	3160	1200	477	407
20	440	430	380	340	370	582	580	2000	3060	1070	423	419
21	430	430	370	350	360	552	520	2200	2680	1020	411	419
22	440	410	330	360	350	541	470	2350	2510	912	399	427
23	445	440	280	380	340	582	460	2500	2350	863	419	431
24	460	460	240	390	330	546	490	2000	2200	807	435	435
25	460	460	210	410	330	491	555	1700	2300	751	419	435
26	450	430	180	430	350	479	606	1700	2550	723	395	459
27	450	410	180	440	380	491	716	1700	2500	709	380	447
28	450	420	180	430	430	464	744	1900	2450	667	382	447
29	450	380	200	410	---	419	792	2050	2550	569	370	477
30	455	410	240	400	---	446	650	1900	2650	702	358	477
31	450	---	310	400	---	425	---	1700	---	590	361	---
TOTAL	13859	13125	9800	10800	10910	17204	15553	39170	82060	47633	14925	12357
MEAN	447	438	316	348	390	555	518	1264	2735	1537	481	412
MAX	515	490	500	440	430	640	792	2500	3950	2750	625	695
MIN	380	380	180	285	330	419	421	500	1600	569	358	304
AC-FT	27490	26030	19440	21420	21640	34120	30850	77690	162800	94480	29600	24510

WTR YR 1975 TOTAL 287396 MEAN 787 MAX 3950 MIN 180 AC-FT 570000

09306900 WHITE RIVER AT MOUTH NEAR OURAY, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	465	501	320	210	312	900	435	660	1890	549	288	228
2	459	501	370	210	322	1120	445	786	1700	513	674	230
3	465	513	415	210	330	1110	450	793	1670	501	531	203
4	453	513	420	210	340	750	470	912	1720	487	429	195
5	459	513	420	210	350	540	485	1020	1800	441	376	178
6	465	513	420	210	360	450	507	1140	1850	423	365	300
7	453	513	420	210	360	450	576	1160	1750	417	309	250
8	453	513	420	210	350	440	618	1170	1800	429	279	230
9	459	519	420	210	390	460	562	1200	1740	382	290	230
10	465	513	405	210	320	503	531	1310	1770	327	305	230
11	471	525	400	210	360	540	507	1220	1740	283	289	230
12	447	489	400	210	600	560	549	1310	1650	256	310	223
13	435	477	400	227	620	560	562	1470	1450	239	322	220
14	423	459	300	238	620	560	597	1470	1200	247	411	220
15	411	406	250	265	620	510	681	1500	1140	256	349	250
16	459	447	230	298	620	550	618	1740	1190	205	327	275
17	465	465	230	328	620	590	576	1870	1050	167	320	300
18	459	465	230	328	620	611	590	1900	954	171	305	300
19	471	453	240	330	520	760	590	1940	968	167	300	300
20	459	447	250	345	520	850	590	1920	961	179	300	290
21	447	400	258	355	520	840	646	1950	877	604	300	290
22	423	410	260	355	520	620	537	2060	779	447	300	293
23	453	410	260	355	520	600	477	1990	884	398	300	345
24	495	410	260	345	460	600	453	1940	919	354	315	358
25	495	410	260	330	460	600	513	1910	1190	338	320	405
26	489	410	240	330	460	560	531	1820	996	333	265	440
27	447	340	210	330	510	525	525	1650	884	256	240	430
28	429	320	210	320	550	485	576	1580	814	239	248	420
29	495	320	210	312	690	450	513	1620	695	302	260	415
30	459	320	210	300	---	450	531	1690	597	260	260	390
31	501	---	210	300	---	445	---	1830	---	230	225	---
TOTAL	14229	13495	9548	8511	13844	18989	16241	46531	38628	10400	10112	8668
MEAN	459	450	308	275	477	613	541	1501	1288	335	326	289
MAX	501	525	420	355	690	1120	681	2060	1890	604	674	440
MIN	411	320	210	210	312	440	435	660	597	167	225	178
AC-FT	28220	26770	18940	16880	27460	37660	32210	92290	76620	20630	20060	17190

CAL YR 1975 TOTAL 287884 MEAN 789 MAX 3950 MIN 210 AC-FT 571000
WTR YR 1976 TOTAL 209196 MEAN 572 MAX 2060 MIN 167 AC-FT 414900

09306900 WHITE RIVER AT MOUTH NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
AUG , 1974											
07...	0930	354	21.0	890	7.9	--	15	66	30	84	2.9
SEP											
04...	1200	173	19.0	1100	8.1	8.0	9.7	62	37	120	3.2
OCT											
01...	0930	392	11.0	870	8.6	8.4	12	65	30	82	2.4
04...	1300	405	14.0	800	7.9	--	12	62	29	75	1.9
30...	0900	450	7.0	750	8.2	9.8	12	64	28	72	2.6
NOV											
20...	1130	455	3.0	825	--	--	11	68	25	73	2.7
26...	0930	430	.0	820	8.0	11.6	12	68	26	76	1.8
DEC											
11...	1040	372	.0	740	8.1	--	14	76	32	98	1.7
31...	1015	310	.0	1000	7.7	12.2	16	86	32	100	1.9
JAN , 1975											
22...	1230	360	.0	834	8.4	10.1	14	71	27	72	2.1
29...	1530	410	.0	850	7.9	9.7	16	72	28	76	2.6
FEB											
20...	1550	339	.0	850	--	8.2	14	67	26	79	2.2
26...	0945	350	.0	840	7.9	10.8	15	73	29	82	1.6
MAR											
20...	1045	567	6.0	1000	7.9	9.6	12	70	32	96	2.7
APR											
01...	1100	510	2.5	960	--	10.6	13	74	32	94	2.4
17...	1100	443	10.5	975	7.9	9.3	12	74	35	99	2.5
29...	1315	816	9.0	750	--	7.0	12	66	30	70	2.0
MAY											
14...	1500	668	20.0	770	8.4	7.9	11	61	25	70	2.2
28...	0900	1900	13.0	440	8.0	8.2	11	41	15	29	1.8
JUN											
19...	1500	3130	14.0	360	8.1	7.9	9.9	35	13	20	1.5
25...	1000	2300	15.5	410	8.1	7.6	12	42	14	24	1.4
JUL											
24...	1430	792	23.5	560	8.8	7.0	15	57	17	41	2.1
30...	0830	688	21.0	560	8.5	6.2	14	31	9.0	82	3.1
AUG											
22...	1400	393	20.0	760	7.9	7.6	12	66	30	67	2.7
26...	1300	395	18.0	810	8.6	7.7	12	64	31	69	2.2
SEP											
23...	1300	435	15.0	740	8.4	7.9	12	70	28	63	2.3
25...	1220	433	14.0	775	8.4	8.2	13	69	26	65	2.3
OCT											
21...	1450	453	9.0	750	8.2	9.2	11	65	24	60	1.6
22...	1630	435	10.0	720	8.6	9.2	11	68	24	62	1.6
NOV											
20...	1330	460	1.5	740	8.2	10.6	11	67	24	66	1.6
25...	1300	359	.0	800	8.6	11.8	13	72	27	78	1.7
DEC											
29...	1455	210	.0	820	8.2	11.4	14	76	25	71	1.7
JAN , 1976											
22...	1300	307	.0	838	8.1	10.4	14	73	24	65	1.9
27...	1215	320	.0	730	8.3	9.0	15	79	27	79	2.0
FEB											
18...	1530	620	.0	770	8.4	10.4	9.7	58	24	75	4.4
MAR											
16...	1415	550	1.0	--	8.7	10.4	9.2	43	15	77	2.3
APR											
19...	1500	580	11.0	800	8.5	8.5	11	65	28	73	2.2
20...	1415	597	13.0	800	8.4	8.7	11	66	28	76	2.1
MAY											
18...	1415	1880	17.5	400	8.1	7.2	11	45	15	23	1.5
JUN											
15...	1400	1210	17.0	420	8.2	7.8	12	43	14	27	1.4
JUL											
15...	1100	240	22.0	960	7.9	7.4	--	--	--	--	--
20...	1430	191	26.5	970	8.6	7.2	11	60	31	100	2.8
21...	1445	702	25.0	925	8.0	5.7	9.8	73	32	93	3.1
AUG											
11...	1406	269	24.5	960	8.3	6.8	14	89	35	110	3.6
19...	1700	225	23.0	980	8.0	7.6	--	--	--	--	--
SEP											
16...	1030	226	17.5	960	8.3	7.9	10	69	36	100	3.0
24...	1000	220	16.0	890	8.2	7.5	--	--	--	--	--

TABLE 5.—CONTINUED

09306900 WHITE RIVER AT MOUTH NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SULFIDE (S) (MG/L)	TOTAL SULFIDE (S) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)
AUG , 1974											
07...	253	--	210	37	--	--	--	.00	--	--	.24
SEP											
04...	266	21	250	56	--	--	--	.01	--	--	.05
OCT											
01...	239	3	190	36	--	--	--	.03	--	--	.07
04...	237	0	180	33	.3	.1	--	--	.03	.00	--
30...	229	0	170	39	--	--	--	.03	--	--	.06
NOV											
20...	243	0	180	37	.2	.0	--	--	.02	.00	--
26...	235	0	170	40	--	--	--	.80	--	--	.01
DEC											
11...	274	0	220	46	.3	.1	--	--	.22	.01	--
31...	306	0	230	50	--	--	--	.29	--	--	.06
JAN , 1975											
22...	247	0	200	38	.2	.1	--	--	.29	.00	--
29...	247	0	190	42	.2	--	--	--	.35	--	--
FEB											
20...	252	0	180	39	.3	.1	--	--	.23	.01	--
26...	271	0	210	42	--	--	--	.28	--	--	.08
MAR											
20...	248	0	210	47	.6	.2	--	--	.19	.01	--
APR											
01...	252	0	230	46	--	--	--	.23	--	--	.01
17...	257	0	250	48	.3	.1	--	--	.02	.02	--
29...	236	0	190	31	--	--	--	.14	--	--	.00
MAY											
14...	226	0	170	33	.3	.1	--	--	.05	.00	--
28...	162	0	86	11	--	--	--	.28	--	--	.01
JUN											
19...	138	0	55	7.6	.2	.2	--	--	.12	.00	--
25...	160	0	69	9.2	--	--	--	.13	--	--	.02
JUL											
24...	199	0	120	19	.3	.2	--	--	.10	.01	--
30...	200	10	110	21	.4	--	--	.23	--	--	.03
AUG											
22...	245	0	180	31	.4	.2	--	--	.20	.00	--
26...	255	18	180	31	.3	--	.2	.02	--	--	.00
SEP											
23...	212	9	180	31	.3	--	.0	.03	--	--	.00
25...	230	0	180	31	.3	.0	--	--	.02	.01	--
OCT											
21...	224	0	160	37	.2	.0	--	--	.02	.00	--
22...	227	9	170	33	.3	--	.2	.01	--	--	.04
NOV											
20...	225	0	170	35	.3	.0	--	--	.01	.00	--
25...	280	5	180	38	.3	--	.0	.04	--	--	.02
DEC											
29...	260	0	170	40	.2	--	.0	.22	--	--	.02
JAN , 1976											
22...	248	0	180	37	.3	--	--	--	.27	.01	--
27...	280	0	190	45	.4	--	.3	.30	--	--	.04
FEB											
18...	230	5	190	32	.3	--	1.0	.43	--	--	.15
MAR											
16...	220	8	130	26	.3	--	--	.33	--	--	.61
APR											
19...	223	4	200	34	.3	.0	--	--	.09	.00	--
20...	240	5	190	34	.3	--	.0	.08	--	--	.04
MAY											
18...	200	0	71	10	.2	--	--	.37	--	--	--
JUN											
15...	155	0	78	17	1.2	--	--	.05	--	--	--
JUL											
15...	--	--	--	--	--	--	--	--	--	--	--
20...	195	3	240	51	.4	--	.0	.01	--	--	.01
21...	245	0	230	53	.5	--	--	--	.12	.01	--
AUG											
11...	302	0	260	75	.4	--	.0	.31	--	--	.12
19...	--	--	--	--	--	--	--	--	--	--	--
SEP											
16...	254	0	250	52	.4	--	.5	.02	--	--	.00
24...	--	--	--	--	--	--	--	--	--	--	--

TABLE 5.—CONTINUED

09306900 WHITE RIVER AT MOUTH NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TUR-BID-ITY (JTU)	ALKA-LINITY AS CACO3 (MG/L)
AUG , 1974											
07...	--	.54	--	--	.33	586	570	560	.80	200	208
SEP											
04...	--	.64	--	--	.11	687	690	321	.93	40	253
OCT											
01...	--	.47	--	--	.09	553	538	585	.75	10	201
04...	.01	.29	.00	--	.33	482	511	527	.66	--	194
30...	--	.37	--	--	.10	516	500	627	.70	50	188
NOV											
20...	.03	.17	.01	--	.03	516	518	634	.70	--	199
26...	--	.43	--	--	.07	547	510	635	.74	30	193
DEC											
11...	.02	.19	.02	--	.10	628	625	631	.85	--	225
31...	--	.59	--	--	.04	681	667	570	.93	20	251
JAN , 1975											
22...	.09	.16	.03	--	.05	564	549	548	.77	30	203
29...	--	--	.03	--	--	--	550	609	.75	--	203
FEB											
20...	.16	.95	.01	--	.09	549	534	502	.75	40	207
26...	--	.41	--	--	.14	594	586	561	.81	40	222
MAR											
20...	.04	.79	.05	--	.42	629	596	963	.86	300	203
APR											
01...	--	.80	--	--	.34	638	616	879	.87	5	207
17...	.00	1.6	.04	--	.42	669	650	800	.91	48	211
29...	--	1.1	--	--	.02	529	517	1170	.72	250	194
MAY											
14...	.00	.32	.01	--	.04	490	485	884	.67	300	185
28...	--	2.6	--	--	.98	275	275	1410	.37	640	133
JUN											
19...	.00	1.2	.00	--	.18	220	212	1860	.30	560	113
25...	--	1.0	--	--	.33	262	250	1630	.36	320	131
JUL											
24...	.00	1.0	.01	--	.33	399	371	853	.54	170	163
30...	--	7.9	--	.09	--	367	379	682	.50	--	181
AUG											
22...	.00	.34	.00	--	.03	509	512	540	.69	66	201
26...	--	.21	--	.02	.17	523	533	558	.71	--	239
SEP											
23...	--	.43	--	.05	.14	509	500	598	.69	--	189
25...	.00	.43	.01	--	.08	517	501	604	.70	75	189
OCT											
21...	.03	.30	.00	--	.08	483	470	591	.66	20	184
22...	--	.40	--	.04	.18	485	491	223	.66	--	201
NOV											
20...	.00	.43	.00	--	.01	502	487	623	.68	18	185
25...	--	.98	--	.02	.01	552	553	535	.75	--	238
DEC											
29...	--	.16	--	.04	.04	541	526	307	.74	--	213
JAN , 1976											
22...	.02	.33	.00	--	.01	--	520	431	.71	15	203
27...	--	.46	--	--	.01	595	575	514	.81	--	230
FEB											
18...	--	1.4	--	--	.27	508	512	850	.69	--	197
MAR											
16...	--	9.1	--	.00	4.6	411	419	610	.56	--	194
APR											
19...	.03	1.0	.01	--	.31	542	529	849	.74	210	190
20...	--	.74	--	.01	.33	545	531	878	.74	--	205
MAY											
18...	--	1.4	--	--	1.4	248	275	1260	.34	--	164
JUN											
15...	--	.75	--	--	.42	282	269	921	.38	--	127
JUL											
15...	--	--	--	--	--	--	--	--	--	--	--
20...	--	.50	--	.02	.14	634	596	327	.86	--	165
21...	.00	3.8	.01	--	1.3	--	617	1170	.84	1300	201
AUG											
11...	--	1.7	--	.07	.61	727	736	528	.99	--	248
19...	--	--	--	--	--	--	--	--	--	--	--
SEP											
16...	--	.62	--	.00	.30	664	646	405	.90	--	208
24...	--	--	--	--	--	--	--	--	--	--	--

TABLE 5.—CONTINUED

09306900 WHITE RIVER AT MOUTH NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	COLOR (PLATINUM-COBALT UNITS)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)	TOTAL INORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)
AUG , 1974										
07...	290	81	39	2.2	--	19	6.5	--	--	--
SEP										
04...	310	54	46	3.0	--	14	3.9	--	--	--
OCT										
01...	290	85	38	2.1	--	12	4.3	--	--	--
04...	280	81	37	2.0	7	11	3.9	--	6.0	--
30...	280	92	36	1.9	--	15	2.8	--	--	--
NOV										
20...	270	75	37	1.9	--	--	--	--	--	--
26...	280	87	37	2.0	--	11	4.1	--	--	--
DEC										
11...	320	98	40	2.4	--	--	--	--	--	--
31...	350	99	38	2.3	--	5	1.8	--	--	--
JAN , 1975										
22...	290	87	35	1.8	0	7	4.4	--	--	--
29...	300	97	36	1.9	--	--	--	--	--	--
FEB										
20...	280	69	38	2.1	--	--	--	--	--	--
26...	300	78	37	2.1	--	6	4.8	--	--	--
MAR										
20...	310	100	40	2.4	--	--	--	--	--	--
APR										
01...	320	110	39	2.3	--	42	7.2	--	--	--
17...	330	120	39	2.4	3	21	6.2	--	--	--
29...	290	95	34	1.8	--	39	14	--	--	--
MAY										
14...	260	71	37	1.9	--	--	--	--	--	--
28...	160	31	28	1.0	--	68	22	--	--	--
JUN										
19...	140	28	23	.7	--	--	--	--	--	--
25...	160	31	24	.8	--	36	11	--	--	--
JUL										
24...	210	50	29	1.2	15	56	13	--	--	--
30...	110	0	60	3.3	7	170	16	--	--	.00
AUG										
22...	290	88	33	1.7	--	--	--	--	--	--
26...	290	48	34	1.8	9	19	4.1	--	--	--
SEP										
23...	290	100	32	1.6	5	10	5.4	4.3	--	--
25...	280	92	33	1.7	--	--	--	--	--	--
OCT										
21...	260	78	33	1.6	20	19	6.2	--	--	--
22...	270	67	33	1.6	20	9	4.6	1.9	--	.00
NOV										
20...	270	83	35	1.8	--	--	--	--	--	--
25...	290	53	37	2.0	15	7	9.8	3.2	--	--
DEC										
29...	290	77	34	1.8	3	35	4.5	3.9	--	--
JAN , 1976										
22...	280	79	33	1.7	6	--	--	--	--	--
27...	310	80	36	2.0	--	--	2.9	1.8	--	.00
FEB										
18...	240	47	40	2.1	--	--	8.4	7.7	--	--
MAR										
16...	170	0	49	2.6	9	240	69	8.3	--	--
APR										
19...	280	89	36	1.9	7	--	6.3	--	60	--
20...	280	75	37	2.0	9	23	7.3	5.3	--	.00
MAY										
18...	170	10	22	.8	--	14	14	--	--	--
JUN										
15...	170	38	26	.9	--	26	5.0	--	--	--
JUL										
15...	--	--	--	--	--	--	--	--	--	--
20...	280	120	44	2.6	5	6	63	3.8	--	.00
21...	320	110	39	2.3	25	--	--	--	--	--
AUG										
11...	370	120	39	2.5	50	91	21	8.4	--	--
19...	--	--	--	--	--	--	--	--	--	--
SEP										
16...	320	110	40	2.4	8	15	6.3	3.2	--	--
24...	--	--	--	--	--	--	--	--	--	--

09306900 WHITE RIVER AT MOUTH NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT , 1974											
04...	1300	27	2	100	3	60	0	.0	1	880	10
NOV											
20...	1130	--	1	110	0	20	0	.0	1	960	20
DEC											
11...	1040	--	2	160	1	30	20	<.1	2	1000	0
JAN , 1975											
22...	1230	0	4	110	5	10	20	.0	2	980	20
29...	1530	--	--	80	--	--	--	--	--	--	--
FEB											
20...	1550	20	1	170	70	40	10	.1	0	800	30
MAR											
20...	1045	30	2	140	690	40	0	.1	2	860	7
APR											
17...	1100	50	1	130	1000	10	20	.0	2	1000	8
MAY											
14...	1500	30	2	110	5	60	20	.0	2	920	30
JUN											
19...	1500	30	0	50	3	110	0	.2	0	400	10
JUL											
24...	1430	30	4	90	10	20	0	.0	1	650	30
30...	0830	10	5	130	3	20	10	.0	1	--	10
AUG											
22...	1400	0	3	120	4	30	10	.0	1	830	0
26...	1300	--	--	110	--	50	--	--	--	--	--
SEP											
23...	1300	--	--	100	--	10	--	--	--	--	--
25...	1220	30	1	90	2	20	10	.0	1	890	10
OCT											
21...	1450	20	1	100	2	40	9	.2	1	910	5
22...	1630	0	1	0	2	50	10	.0	1	--	10
NOV											
20...	1330	10	2	120	0	10	0	.0	0	910	0
25...	1300	--	--	100	--	0	--	--	--	--	--
DEC											
29...	1455	--	--	80	--	10	--	--	--	--	--
JAN , 1976											
22...	1300	0	--	100	--	0	10	--	--	910	--
27...	1215	0	1	80	1	0	10	.0	2	--	0
FEB											
18...	1530	--	--	100	--	80	--	--	--	--	--
MAR											
16...	1415	--	--	100	--	0	--	--	--	--	--
APR											
19...	1500	0	1	110	3	10	20	.0	1	790	0
20...	1415	0	1	90	2	0	10	.0	1	--	0
JUL											
20...	1430	10	2	150	2	0	20	.4	1	--	20
21...	1445	20	--	140	--	20	20	--	--	950	--
AUG											
11...	1406	--	--	210	--	30	--	--	--	--	--
SEP											
16...	1030	--	--	160	--	10	--	--	--	--	--

TABLE 5.—CONTINUED

09306900 WHITE RIVER AT MOUTH NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	TOTAL ALUMINUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DISSOLVED BARIUM (BA) (UG/L)	TOTAL BARIUM (BA) (UG/L)	DISSOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM (BE) (UG/L)	DISSOLVED BISMUTH (BI) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM (CD) (UG/L)
OCT , 1974										
04...	1300	--	--	90	--	0	--	<4	<10	--
JUL , 1975										
30...	0830	220000	110	200	2700	0	10	--	1	10
OCT										
21...	1450	--	--	70	--	<1	--	<3	0	--
22...	1630	2600	3	0	0	0	10	--	0	0
JAN , 1976										
22...	1300	--	--	--	--	--	--	--	--	--
27...	1215	470	1	0	0	10	10	--	0	<10
APR										
19...	1500	--	--	0	--	--	--	--	0	--
20...	1415	5500	10	0	0	0	0	--	0	<10
JUL										
20...	1430	40	3	100	100	0	0	--	0	1
21...	1445	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DISSOLVED GALLIUM (GA) (UG/L)	DISSOLVED GERMANIUM (GE) (UG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)
OCT , 1974										
04...	<4	--	<4	--	--	<1	<4	--	<4	--
JUL , 1975										
30...	0	350	0	250	330	--	--	4900	3	300
OCT										
21...	<3	--	<3	--	--	<2	<6	--	<4	--
22...	0	60	0	50	10	--	--	3200	0	0
JAN , 1976										
22...	--	--	--	--	--	--	--	--	--	--
27...	0	0	0	<50	<10	--	--	630	2	<100
APR										
19...	0	--	--	--	--	--	--	--	0	--
20...	0	20	0	<50	10	--	--	7800	1	<100
JUL										
20...	0	30	0	2	2	--	--	70	0	0
21...	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED TIN (SN) (UG/L)	DISSOLVED TITANIUM (TI) (UG/L)	DISSOLVED VANADIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DISSOLVED ZIRCONIUM (ZR) (UG/L)	DISSOLVED GROSS ALPHA AS U-NAT. (UG/L)	DISSOLVED GROSS BETA AS CS-137 (PC/L)	DISSOLVED GROSS BETA AS SR90 /Y90 (PC/L)	DISSOLVED RA-226 (RADON METHOD) (PC/L)	DISSOLVED NATURAL URANIUM (U) (UG/L)
OCT , 1974										
04...	<4	<3	<2.0	--	<5	<8.1	5.5	4.6	.09	1.3
JUL , 1975										
30...	--	--	9.4	50	--	--	--	--	--	--
OCT										
21...	<4	<3	<3.0	--	<6	11	3.2	2.6	.14	--
22...	--	--	1.6	10	--	--	--	--	--	--
JAN , 1976										
22...	--	--	--	--	--	--	--	--	--	--
27...	--	--	1.5	10	--	--	--	--	--	--
APR										
19...	--	--	2.4	--	--	<6.4	4.9	3.9	--	--
20...	--	--	2.1	60	--	--	--	--	--	--
JUL										
20...	--	--	2.3	20	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--

DATE	TOTAL LITHIUM (LI) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DISSOLVED MOLYBDENUM (MO) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DISSOLVED SILVER (AG) (UG/L)
OCT , 1974										
04...	--	2	--	--	2	--	<4	--	--	0
JUL , 1975										
30...	240	20	6800	.3	1	1	2	300	1	--
OCT										
21...	--	2	--	--	5	--	<3	--	--	<1
22...	10	10	90	.0	3	4	7	50	1	--
JAN , 1976										
22...	--	10	--	--	--	--	--	--	--	--
27...	10	0	10	.0	3	3	2	<50	2	--
APR										
19...	--	0	--	--	3	--	--	--	--	--
20...	20	0	210	.0	3	3	2	50	2	--
JUL										
20...	20	0	20	.4	0	0	3	4	1	--
21...	--	0	--	--	--	--	--	--	--	--

TABLE 5.—CONTINUED

09306900 WHITE RIVER AT MOUTH NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)
OCT , 1974								
04...	1300	.00	.00	.0	.00	.00	.00	.00
APR , 1975								
17...	1100	.00	.00	.0	.00	.00	.00	.00
OCT								
21...	1450	.00	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL TOX-APHENE (UG/L)	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT , 1974								
04...	.00	0	.00	.00	.0	.00	.00	.00
APR , 1975								
17...	.00	0	.00	.00	.0	.00	.00	.00
OCT								
21...	.00	0	.00	.00	.0	.00	.00	.00

DATE	TIME	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT , 1974					
04...	1300	1.10	1.70	0	.03
JAN , 1975					
22...	1230	.600	.000	0	.00
APR					
17...	1100	7.10	4.10	2	--
JUL					
24...	1430	2.00	3.30	7	.00
OCT					
21...	1450	1.20	1.50	1	--
JAN , 1976					
22...	1300	1.30	1.90	--	--
APR					
19...	1500	--	--	3	.10

DATE	TIME	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL PHYTO-PLANK-TON (CELLS PER ML)
JUL , 1975					
30...	0830	2500	430	--	2600
AUG					
26...	1300	40	27	--	980
SEP					
23...	1300	--	29	70	2200
OCT					
22...	1630	22	23	--	2200
NOV					
25...	1300	3	<1	--	2000
DEC					
29...	1455	<1	<1	--	380
JAN , 1976					
27...	1215	18	8	--	170
FEB					
18...	1530	400	46	--	1600
MAR					
16...	1415	40	8	--	750
APR					
20...	1415	84	11	--	2300
MAY					
18...	1415	440	150	--	12000
JUN					
15...	1400	52	30	--	2400
JUL					
15...	1100	810	<1	<1	--
20...	1430	8400	67	--	21000
AUG					
11...	1500	--	864	--	--
19...	1700	<1	<1	<1	--
SEP					
16...	1030	760	464	--	5600
24...	1000	<1	<1	<1	--

09307500 WILLOW CREEK ABOVE DIVERSIONS, NEAR OURAY, UTAH

LOCATION.--LAT 39 33 59 , LONG 109 35 12 , IN NE1/4 SW1/4 SE1/4 SEC. 29, T.14 S., R.21 E., UINTAH COUNTY, UINTAH AND OURAY INDIAN RESERVATION, ON RIGHT BANK 0.1 MILE (0.2 KM) DOWNSTREAM FROM BIG CANYON AND 36 MILES (57.9 KM) SOUTHEAST OF OURAY.

DRAINAGE AREA.--297 MI2 (769 KM2).

PERIOD OF RECORD.--DISCHARGE: AUGUST 1950 TO SEPTEMBER 1955, SEPTEMBER 1957 TO SEPTEMBER 1970, AND OCTOBER 1974 TO CURRENT YEAR.
CHEMICAL ANALYSES: OCTOBER 1974 TO CURRENT YEAR.

GAGE.--WATER-STAGE RECORDER AND CONCRETE CONTROL. ALTITUDE OF GAGE IS 6,000 FT (1,829 M) FROM TOPOGRAPHIC MAP. PRIOR TO NOV. 7, 1952, AT SITE 0.9 MILE (1.4 KM) DOWNSTREAM AT DIFFERENT DATUM. NOV. 7, 1952 TO SEPT. 30, 1970, AT SITE 0.8 MILE (1.3 KM) DOWNSTREAM AT DIFFERENT DATUM.

AVERAGE DISCHARGE.--20 YEARS (WATER YEARS 1951-55, 1958-70, 1975-76), 19.9 FT3/S (0.564 M3/S), 14,410 ACRE-FT PER YEAR (17.77 HM3/YR).

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 572 FT3/S (16.2 M3/S) JULY 13 (GAGE HEIGHT, 5.52 FT (1.682 M) FROM SLOPE-AREA MEASUREMENT; MINIMUM DAILY, 6.0 FT3/S (0.17 M3/S) DEC. 11.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 78 FT3/S (2.21 M3/S) JULY 25 (GAGE HEIGHT, 2.93 FT OR 0.893 M); MINIMUM DISCHARGE, 0.61 FT3/S (0.017 M3/S) NOV. 21.
PERIOD OF RECORD:
DISCHARGE: MAXIMUM DISCHARGE, 668 FT3/S (18.9 M3/S) AUG. 6, 1963; MAXIMUM GAGE HEIGHT, 10.30 FT OR 3.139 M, SITE THEN IN USE; MINIMUM DISCHARGE 0.3 FT3/S (0.008 M3/S) AUG. 21-23, 1960.

REMARKS.--DISCHARGE: RECORDS GOOD EXCEPT THOSE FOR WINTER PERIOD, WHICH ARE POOR. ONE SMALL DIVERSION ABOVE STATION FOR IRRIGATION OF ABOUT 100 ACRES (0.405 KM2) OF HAY LAND BELOW STATION.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	22	9.0	16	17	26	19	37	67	28	20	11
2	10	22	10	17	16	28	14	40	64	27	19	12
3	10	24	11	16	15	29	15	48	61	27	18	12
4	12	23	12	16	14	30	19	60	58	32	17	12
5	12	20	13	16	13	31	19	52	56	32	16	13
6	11	18	14	15	13	32	24	41	54	27	16	12
7	11	18	13	15	12	34	22	41	53	25	16	12
8	12	20	11	15	12	30	16	36	61	28	16	17
9	12	24	10	14	13	27	17	41	58	37	15	21
10	11	19	7.5	14	14	25	17	52	55	31	16	17
11	12	18	6.0	13	14	24	18	66	52	43	16	16
12	15	18	7.0	12	15	23	18	82	48	29	16	25
13	15	21	10	12	16	23	15	60	46	59	18	21
14	14	20	12	12	17	22	20	70	43	40	18	27
15	13	22	13	12	17	22	22	71	42	35	16	20
16	13	19	13	13	18	21	45	71	41	33	15	18
17	13	18	14	14	19	20	60	70	41	31	14	17
18	13	21	14	15	20	16	32	80	41	29	14	15
19	13	23	14	16	21	18	27	79	42	28	13	14
20	13	20	13	17	21	22	28	84	41	26	14	15
21	14	23	13	18	21	22	47	93	44	24	15	15
22	14	18	13	19	20	23	64	85	41	22	15	15
23	18	14	13	20	19	14	37	80	38	20	14	16
24	29	10	12	20	20	16	31	76	36	20	13	15
25	23	18	12	21	21	21	32	71	33	20	13	15
26	20	20	13	21	22	20	32	66	33	20	13	15
27	20	18	14	20	23	12	31	74	32	24	12	15
28	21	14	14	20	24	10	31	82	30	21	13	15
29	32	18	15	19	---	14	31	78	29	20	12	15
30	26	11	15	19	---	18	30	74	29	23	12	15
31	23	---	16	18	---	24	---	70	---	20	12	---
TOTAL	485	574	376.5	505	487	697	833	2030	1369	881	467	478
MEAN	15.6	19.1	12.1	16.3	17.4	22.5	27.8	65.5	45.6	28.4	15.1	15.9
MAX	32	24	16	21	24	34	64	93	67	59	20	27
MIN	10	10	6.0	12	12	10	14	36	29	20	12	11
AC-FT	962	1140	747	1000	966	1380	1650	4030	2720	1750	926	948

WTR YR 1975 TOTAL 9182.5 MEAN 25.2 MAX 93 MIN 6.0 AC-FT 18210

09307500 WILLOW CREEK ABOVE DIVERSIONS, NEAR OURAY, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	22	15	15	18	31	29	42	31	17	19	9.5
2	16	20	15	15	18	21	32	45	29	16	17	9.5
3	16	19	15	15	18	18	36	45	29	16	15	9.1
4	16	19	15	15	20	20	34	46	28	15	14	9.1
5	16	19	15	15	20	18	33	45	27	15	12	9.1
6	16	19	15	15	20	20	28	48	27	15	12	9.1
7	16	19	15	15	18	25	29	50	25	15	12	11
8	22	19	15	15	20	27	33	55	25	14	11	11
9	19	18	15	15	22	26	36	55	24	14	11	11
10	18	14	15	15	25	33	39	50	23	13	11	11
11	17	14	15	15	22	24	39	50	23	15	12	12
12	17	14	15	15	20	20	35	48	22	15	12	13
13	18	16	15	15	20	29	35	44	23	14	10	13
14	18	19	15	15	20	23	30	44	22	16	9.9	13
15	18	20	15	15	25	22	27	42	22	14	9.1	11
16	18	17	15	15	21	22	26	42	22	13	9.5	10
17	18	19	15	15	20	28	24	42	23	13	9.5	9.9
18	18	18	15	15	20	35	26	44	23	16	9.5	9.5
19	18	20	15	15	20	31	29	42	20	17	9.9	9.5
20	18	11	15	15	21	22	30	40	20	15	9.5	9.9
21	18	12	15	16	11	25	28	48	20	15	11	9.9
22	18	12	15	19	14	29	25	49	24	14	10	9.9
23	22	20	15	21	30	27	30	47	30	13	11	11
24	19	25	15	20	32	28	34	44	21	12	11	11
25	15	23	15	21	26	24	39	42	20	17	9.9	15
26	20	15	15	19	30	24	33	40	19	26	9.5	16
27	22	15	15	18	36	23	30	35	18	24	9.9	14
28	20	15	15	21	34	22	32	34	17	17	9.5	13
29	18	15	15	21	36	22	37	33	17	14	9.1	12
30	20	15	15	21	---	25	40	34	17	13	9.1	12
31	24	---	15	20	---	30	---	34	---	13	9.9	---
TOTAL	565	523	465	517	657	774	958	1359	691	476	344.8	334.0
MEAN	18.2	17.4	15.0	16.7	22.7	25.0	31.9	43.8	23.0	15.4	11.1	11.1
MAX	24	25	15	21	36	35	40	55	31	26	19	16
MIN	15	11	15	15	11	18	24	33	17	12	9.1	9.1
AC-FT	1120	1040	922	1030	1300	1540	1900	2700	1370	944	684	662

CAL YR 1975 TOTAL 9300.0 MEAN 25.5 MAX 93 MIN 10 AC-FT 18450
WTR YR 1976 TOTAL 7663.8 MEAN 20.9 MAX 55 MIN 9.1 AC-FT 15200

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
OCT , 1974											
02...	1530	--	17.0	775	8.2	--	16	59	39	50	1.9
NOV											
22...	1400	17	4.0	750	8.2	--	16	78	36	45	1.6
DEC											
17...	1030	13	.0	806	8.3	--	17	78	39	45	1.5
JAN , 1975											
21...	1030	18	.5	750	8.2	9.7	18	76	37	44	1.6
FEB											
20...	0900	21	.0	760	8.4	9.5	16	77	39	45	1.3
MAR											
17...	1530	19	8.5	800	8.2	9.2	15	78	41	43	1.8
APR											
15...	1800	20	11.0	750	8.0	9.1	15	76	36	43	1.9
MAY											
19...	1900	78	13.0	535	8.2	7.1	13	65	24	22	1.7
JUN											
17...	1130	52	14.0	640	8.4	7.8	14	69	30	29	1.4
JUL											
23...	1500	21	22.0	625	8.2	6.8	17	74	27	30	2.0
AUG											
19...	1000	13	11.0	640	--	6.8	16	63	33	33	1.6
SEP											
23...	1610	14	17.0	700	7.8	7.5	18	74	37	42	2.2
OCT											
22...	1200	20	5.0	680	8.1	9.8	15	73	36	41	1.4
NOV											
17...	1700	11	3.5	690	8.1	10.8	15	65	38	47	1.7
JAN , 1976											
21...	1430	14	.5	750	7.9	9.0	16	84	37	46	1.7
APR											
21...	1600	32	13.5	700	8.5	8.2	3.8	78	34	34	1.8
AUG											
05...	1030	12	21.0	750	8.5	8.2	15	72	32	39	1.7

TABLE 5.—CONTINUED

09307500 WILLOW CREEK ABOVE DIVERSIONS, NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DISSOLVED SULFIDE (S) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT , 1974											
02...	338	0	140	5.0	.3	--	.2	.05	.00	.02	.52
NOV											
22...	342	0	160	6.3	.2	--	.0	.24	.01	.04	2.0
DEC											
17...	371	0	140	6.9	.2	--	.2	.18	.01	.10	.19
JAN , 1975											
21...	362	0	150	5.1	.2	--	.1	.22	.01	.04	.46
FEB											
20...	367	0	140	4.5	.2	--	.1	.17	.01	.04	.46
MAR											
17...	347	0	150	6.6	.4	--	.1	.26	.01	--	.20
APR											
15...	331	0	130	5.2	.2	--	.0	.21	.01	.07	2.3
MAY											
19...	250	0	86	3.1	.2	--	.1	.35	.00	.01	5.3
JUN											
17...	291	0	100	3.8	.2	--	.1	.06	.00	.00	2.4
JUL											
23...	305	0	110	4.8	.3	--	.1	.09	.01	.03	2.1
AUG											
19...	291	--	120	2.4	.3	--	.2	.07	.00	.00	.34
SEP											
23...	329	0	130	4.9	.3	--	.0	1.1	.00	.00	.62
OCT											
22...	342	0	130	4.9	.2	--	.0	.05	.01	.00	.48
NOV											
17...	336	6	140	6.0	.3	--	.0	.15	.00	--	3.6
JAN , 1976											
21...	379	0	150	5.5	.3	--	--	.25	.00	.04	.87
APR											
21...	309	8	120	4.4	.1	.1	.0	.20	.01	.03	2.8
AUG											
05...	289	8	120	4.8	.2	--	--	.07	.00	.00	.03

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM
OCT , 1974											
02...	.01	.14	495	479	--	.67	--	277	310	32	26
NOV											
22...	.03	.88	543	514	26.1	.74	--	281	340	63	22
DEC											
17...	.04	.06	522	513	19.2	.71	--	304	360	52	22
JAN , 1975											
21...	.04	.24	503	513	24.4	.68	100	297	340	46	22
FEB											
20...	.04	.16	512	506	29.5	.70	60	301	350	53	22
MAR											
17...	.07	.56	515	510	27.1	.70	200	285	360	80	20
APR											
15...	.08	.69	479	473	26.9	.65	250	271	340	67	22
MAY											
19...	.03	1.2	349	341	73.5	.47	1400	205	260	57	15
JUN											
17...	.02	.08	396	392	56.0	.54	270	239	300	58	18
JUL											
23...	.03	.69	429	417	25.3	.58	180	250	300	47	18
AUG											
19...	.05	.12	458	414	16.7	.62	150	239	290	55	20
SEP											
23...	.02	.14	474	477	19.1	.64	75	270	340	68	21
OCT											
22...	.01	.15	462	471	25.2	.63	29	281	330	51	21
NOV											
17...	.01	.09	495	486	14.8	.67	280	286	320	34	24
JAN , 1976											
21...	.04	.21	--	530	20.8	.72	100	311	360	52	22
APR											
21...	.00	.79	465	438	40.2	.63	360	267	340	69	18
AUG											
05...	.04	.20	--	436	14.4	.59	95	250	310	62	21

09307500 WILLOW CREEK ABOVE DIVERSIONS, NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	SODIUM AD-SORP-TION RATIO	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT , 1974											
02...	1.2	36	5	50	2	50	0	.0	0	960	20
NOV											
22...	1.1	--	4	80	0	20	0	.0	0	870	30
DEC											
17...	1.0	--	4	50	8	20	20	<.1	0	880	0
JAN , 1975											
21...	1.0	10	6	40	2	10	20	.0	0	910	20
FEB											
20...	1.0	20	2	40	10	10	20	.0	0	870	30
MAR											
17...	1.0	20	4	40	670	20	0	1.7	2	790	0
APR											
15...	1.0	80	3	40	5	70	10	.0	0	840	30
MAY											
19...	.6	40	1	60	4	50	0	.0	1	600	20
JUN											
17...	.7	<10	1	40	13	20	10	.0	1	730	0
JUL											
23...	.8	20	4	50	8	0	0	.0	0	700	20
AUG											
19...	.8	10	6	80	2	90	10	.0	0	730	20
SEP											
23...	1.0	60	6	60	8	70	10	.0	0	820	10
OCT											
22...	1.0	20	3	40	0	40	8	.0	0	820	5
NOV											
17...	1.1	70	4	50	5	80	10	.0	0	840	10
JAN , 1976											
21...	1.1	0	--	40	--	30	10	--	--	860	--
APR											
21...	.8	30	4	40	3	70	10	.0	0	730	0
AUG											
05...	1.0	20	--	40	--	10	10	--	--	760	--

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL IN-ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT , 1974									
02...	1530	5	14	4.0	1.0	1	3.10	2.30	.03
JAN , 1975									
21...	1030	0	21	7.9	--	0	2.20	2.50	.00
APR									
15...	1800	5	83	5.2	--	5	.800	1.00	--
JUL									
23...	1500	10	57	25	--	6	3.50	5.30	.00
OCT									
22...	1200	--	17	.9	--	4	4.90	7.10	--
JAN , 1976									
21...	1430	7	--	--	--	--	2.40	2.40	--
APR									
21...	1600	20	--	--	--	4	--	--	--
AUG									
05...	1030	23	--	--	--	--	--	--	--

DATE	TIME	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)
OCT , 1974												
02...	1530	97	0	0	<11	<4	<2	<2	<4	<4	5	4
OCT , 1975												
22...	1200	70	<1	<3	0	<3	<3	<2	<6	<4	3	5
JAN , 1976												
21...	1430	--	--	--	--	--	--	--	--	--	10	--
APR												
21...	1600	100	--	--	0	0	--	--	--	1	10	2
AUG												
05...	1030	--	--	--	--	--	--	--	--	--	0	--

TABLE 5.—CONTINUED

09307500 WILLOW CREEK ABOVE DIVERSIONS, NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED NATURAL URANIUM (U) (UG/L)
OCT , 1974											
02...	<2	0	<4	<2	3.0	<6	8.8	5.4	3.7	.06	1.5
OCT , 1975											
22...	<3	<1	<4	<3	<3.0	<6	9.5	1.8	1.4	.06	--
JAN , 1976											
21...	--	--	--	--	--	--	--	--	--	--	--
APR											
21...	--	--	--	--	3.9	--	<5.3	3.9	3.1	--	--
AUG											
05...	--	--	--	--	--	--	--	--	--	--	--

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL TOX-APHENE (UG/L)
OCT , 1974										
02...	1530	.00	.00	.0	.00	.00	.00	.00	.00	--
APR , 1975										
15...	1800	.00	.00	.0	.00	.00	.00	.00	.00	0
OCT										
22...	1200	--	--	--	--	--	--	--	--	--

DATE	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL MALA-THION (UG/L)	TOTAL PARA-THION (UG/L)	TOTAL DI-AZINON (UG/L)	TOTAL METHYL PARA-THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT , 1974										
02...	.00	.00	.0	--	.00	--	--	.00	.00	.00
APR , 1975										
15...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00
OCT										
22...	--	--	--	--	--	--	--	.00	.00	.00

TABLE 5.--CONTINUED

09307800 HILL CREEK ABOVE TOWAVE RESERVOIR, NEAR OURAY, UTAH

LOCATION.--LAT 39 31 33 , LONG 109 44 02 , IN NW1/4 NE1/4 SE1/4 SEC. 12, T.15 S., R.19 E., UINTAH COUNTY, ON LEFT BANK 0.5 MILE (0.8 KM) UPSTREAM FROM LOWER WAGON CANYON, 3.5 MILES (5.6 KM) SOUTH OF TOWAVE RESERVOIR, AND 39.0 MILES (62.8 KM) SOUTHEAST OF OURAY.

DRAINAGE AREA.--89.7 MI2 (232 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO CURRENT YEAR.
CHEMICAL ANALYSES: OCTOBER 1974 TO CURRENT YEAR.

GAGE.--WATER-STAGE RECORDER AND CONCRETE CONTROL. ALTITUDE OF GAGE IS 6,470 FT (1,972 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 47 FT3/S (1.33 M3/S) MAY 28 (GAGE HEIGHT, 2.56 FT OR 0.780 M); MINIMUM DAILY, 2.6 FT3/S (0.074 M3/S) OCT. 1.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 23 FT 3/S (0.65 M3/S) MAY 6 (GAGE HEIGHT, 2.14 FT OR 0.652 M); MINIMUM DAILY, 3.0 FT3/S (0.085 M3/S) SEPT. 3.

REMARKS.--DISCHARGE: RECORDS GOOD EXCEPT THOSE FOR WINTER PERIODS, WHICH ARE POOR.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	6.0	4.0	5.0	5.0	7.0	13	9.6	36	18	12	6.1
2	2.8	6.0	4.0	5.0	5.0	7.0	10	10	36	18	11	6.2
3	3.2	6.0	4.0	5.0	5.0	7.0	20	11	36	18	10	6.3
4	4.2	6.0	4.0	5.0	5.0	7.0	15	14	37	18	10	6.5
5	4.3	6.0	4.0	5.0	5.0	7.0	12	15	39	18	10	6.7
6	3.8	6.0	4.0	5.0	5.0	7.0	11	13	39	18	9.0	6.2
7	3.6	6.0	4.0	5.0	5.0	7.0	7.9	13	40	16	9.0	6.1
8	3.6	6.0	4.0	5.0	5.0	7.0	6.0	12	44	17	9.2	7.2
9	3.7	6.0	4.0	5.0	5.0	7.0	7.0	11	42	19	8.8	9.3
10	3.8	6.0	4.0	5.0	5.0	7.0	7.2	13	41	19	8.8	8.9
11	4.1	6.0	4.0	5.0	5.0	7.0	6.7	15	41	21	9.0	8.1
12	3.9	6.0	4.0	5.0	5.0	7.0	7.0	17	39	18	9.2	8.6
13	4.1	6.0	4.0	5.0	5.0	7.0	7.6	18	37	17	9.2	11
14	4.0	6.0	4.0	5.0	5.0	7.0	9.5	19	35	16	9.0	10
15	4.0	6.0	4.0	5.0	5.0	7.0	11	20	33	19	8.8	9.3
16	4.1	6.0	4.0	5.0	5.0	7.0	12	22	32	18	8.0	8.7
17	4.0	6.0	4.0	5.0	5.0	8.2	11	24	32	23	8.0	8.0
18	4.1	6.4	4.0	5.0	5.0	9.2	9.1	26	31	17	7.8	7.5
19	4.0	5.7	4.0	5.0	5.0	12	8.4	28	31	15	7.4	7.2
20	4.0	7.0	4.0	5.0	5.0	13	8.7	30	32	14	8.0	7.3
21	4.2	7.5	4.0	5.0	5.0	13	10	40	33	13	8.6	7.4
22	6.1	7.5	4.0	5.0	5.0	10	13	38	29	14	8.6	7.5
23	6.7	6.2	4.0	5.0	5.0	5.9	13	36	27	13	8.1	7.3
24	7.8	7.5	4.0	5.0	5.0	7.4	13	34	25	12	7.6	7.3
25	6.4	6.8	4.0	5.0	5.0	11	15	33	23	12	7.3	7.3
26	6.0	6.9	4.0	5.0	5.0	11	17	32	23	13	7.3	7.1
27	6.0	3.0	4.0	5.0	5.0	5.3	13	34	22	12	7.1	7.0
28	6.0	5.1	4.0	5.0	5.0	7.4	11	45	21	15	7.4	7.1
29	7.0	3.8	4.0	5.0	---	11	8.9	38	20	13	7.0	7.2
30	6.0	4.0	4.0	5.0	---	15	9.2	35	19	12	6.7	7.1
31	6.0	---	4.0	5.0	---	25	---	33	---	13	6.3	---
TOTAL	144.1	179.4	124.0	155.0	140.0	276.4	323.2	738.6	975	499	264.2	227.5
MEAN	4.65	5.98	4.00	5.00	5.00	8.92	10.8	23.8	32.5	16.1	8.52	7.58
MAX	7.8	7.5	4.0	5.0	5.0	25	20	45	44	23	12	11
MIN	2.6	3.0	4.0	5.0	5.0	5.3	6.0	9.6	19	12	6.3	6.1
AC-FT	286	356	246	307	278	548	641	1470	1930	990	524	451

WTR YR 1975 TOTAL 4046.4 MEAN 11.1 MAX 45 MIN 2.6 AC-FT 8030

TABLE 5.—CONTINUED

09307800 HILL CREEK ABOVE TOWAVE RESERVOIR, NEAR OURAY, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	11	4.3	9.4	5.2	4.6	10	14	13	8.1	8.1	3.2
2	7.3	9.5	5.6	9.0	5.0	4.6	9.9	15	12	7.9	7.0	3.1
3	7.3	8.0	6.5	8.7	5.0	4.6	10	15	12	7.6	5.3	3.0
4	7.3	8.2	7.0	9.3	5.0	4.6	11	16	12	7.4	4.4	3.2
5	7.3	8.2	7.5	9.0	5.0	4.6	12	17	11	7.3	4.0	3.4
6	7.3	8.2	9.0	9.0	4.8	4.6	12	20	11	7.2	3.6	3.9
7	7.8	8.8	8.6	9.0	4.5	4.6	11	19	11	7.2	3.5	4.2
8	10	9.0	8.6	9.0	4.0	4.6	11	18	11	6.8	4.0	4.0
9	8.7	8.2	8.3	9.0	4.0	4.6	11	18	10	6.5	3.7	4.0
10	8.3	7.8	8.5	8.0	4.0	4.6	11	17	10	6.5	4.0	4.2
11	8.0	8.8	9.5	8.0	4.0	4.6	12	16	10	7.0	3.9	4.6
12	7.6	7.6	9.6	8.0	4.0	4.6	13	15	11	7.2	3.5	5.2
13	8.4	6.7	9.5	8.0	4.0	4.6	12	15	11	6.9	3.3	5.7
14	8.2	6.7	8.0	8.0	4.0	4.6	13	14	11	6.8	3.1	6.4
15	8.2	6.7	7.1	8.0	4.0	4.6	13	14	11	6.5	3.3	5.0
16	8.2	6.7	6.0	7.8	4.0	4.6	12	14	10	6.0	3.3	4.6
17	8.3	6.7	8.8	7.7	4.0	5.0	12	14	11	6.2	3.3	4.3
18	8.4	8.9	7.7	7.7	4.0	5.5	12	14	11	7.9	3.4	3.8
19	8.2	8.9	7.9	7.7	4.0	7.0	11	13	10	7.6	3.4	3.9
20	8.2	8.6	9.5	7.7	4.0	8.7	11	14	9.8	7.3	3.4	4.2
21	8.2	7.6	10	7.0	3.7	9.5	11	15	9.2	7.1	3.8	4.3
22	8.2	4.9	9.8	7.0	4.0	9.9	11	17	12	6.6	3.9	4.3
23	8.2	5.3	9.7	7.0	4.2	10	13	17	13	5.9	4.1	4.6
24	9.0	5.4	8.9	7.0	4.3	9.4	14	16	11	5.6	3.6	4.7
25	12	6.5	9.0	7.0	4.4	9.5	15	15	10	8.7	3.5	6.8
26	10	4.4	9.2	6.0	4.5	10	13	15	9.7	7.4	3.4	7.2
27	8.0	3.9	9.5	6.0	4.6	9.3	13	14	9.1	6.6	3.3	6.1
28	10	5.4	7.4	6.0	4.6	8.7	13	13	8.9	5.8	3.2	5.5
29	9.0	5.3	7.3	6.0	4.6	9.2	13	13	8.7	5.4	3.3	5.3
30	8.0	4.5	9.8	6.0	---	9.5	14	13	8.3	5.1	3.5	5.2
31	9.0	---	9.9	6.0	---	9.7	---	13	---	6.3	3.3	---
TOTAL	259.9	216.4	258.0	239.0	125.4	204.5	359.9	473	318.7	212.4	120.4	137.9
MEAN	8.38	7.21	8.32	7.71	4.32	6.60	12.0	15.3	10.6	6.85	3.88	4.60
MAX	12	11	10	9.4	5.2	10	15	20	13	8.7	8.1	7.2
MIN	7.3	3.9	4.3	6.0	3.7	4.6	9.9	13	8.3	5.1	3.1	3.0
AC-FT	516	429	512	474	249	406	714	938	632	421	239	274

CAL YR 1975 TOTAL 4333.2 MEAN 11.9 MAX 45 MIN 3.9 AC-FT 8590
WTR YR 1976 TOTAL 2925.5 MEAN 7.99 MAX 20 MIN 3.0 AC-FT 5800

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
OCT , 1974											
02...	1100	--	7.0	590	7.9	--	16	68	34	24	1.8
NOV											
18...	1255	6.8	5.8	620	7.9	--	16	73	30	23	2.1
DEC											
10...	1230	2.6	.0	725	7.4	--	19	84	39	28	2.0
JAN , 1975											
20...	1430	6.0	.5	600	7.8	8.5	16	66	29	21	1.9
FEB											
19...	1330	4.4	.0	570	8.4	9.1	15	67	31	23	1.5
MAR											
18...	1330	8.2	1.5	580	8.0	9.4	13	64	29	19	1.8
APR											
16...	1430	12	5.5	500	6.8	8.8	12	56	26	18	2.1
MAY											
20...	1400	33	11.0	410	7.9	7.3	12	60	25	15	1.8
JUN											
17...	1530	30	15.3	550	8.2	7.5	14	67	28	18	1.1
JUL											
22...	1530	14	24.0	525	8.1	6.9	17	67	25	19	1.3
AUG											
18...	1850	7.4	19.5	525	--	8.1	15	55	28	24	1.5
SEP											
22...	1745	7.3	11.5	580	8.1	8.5	16	64	28	22	1.4
OCT											
21...	1700	8.6	6.5	650	7.5	10.0	15	64	30	19	1.4
NOV											
18...	1400	14	1.0	500	8.0	11.2	14	63	29	19	1.5
JAN , 1976											
21...	1645	6.5	.5	560	7.8	10.2	15	72	30	20	1.9
APR											
22...	1130	12	10.0	560	8.4	8.6	--	--	--	--	--
AUG											
04...	1915	5.0	17.0	552	8.3	8.4	15	65	26	19	1.6

TABLE 5.—CONTINUED

09307800 HILL CREEK ABOVE TOWAVE RESERVOIR, NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SULFIDE (S) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
OCT , 1974											
02...	361	0	68	3.4	.3	.3	.10	.02	.05	.25	.02
NOV											
18...	352	0	62	4.1	.2	.0	.01	.00	.03	.47	.05
DEC											
10...	411	0	84	6.1	.3	.2	.08	.01	.05	.32	.03
JAN , 1975											
20...	327	0	65	3.4	.2	.1	.22	.01	.08	.55	.02
FEB											
19...	322	0	75	3.9	.3	.1	.08	.00	.06	.66	.01
MAR											
18...	289	0	78	5.0	.4	.2	.02	.00	.15	.37	.05
APR											
16...	256	0	62	4.2	.2	.0	.27	.27	.37	1.1	.09
MAY											
20...	255	0	66	3.4	.2	.0	.02	.00	.03	.73	.03
JUN											
17...	286	0	68	3.3	.2	.2	.00	.00	.00	.12	.03
JUL											
22...	289	0	63	4.4	.3	.1	.04	.01	.03	.38	.05
AUG											
18...	289	--	71	1.8	.3	.0	.05	.00	.00	.30	.03
SEP											
22...	309	0	76	4.5	.2	.0	.04	.00	.00	.41	.03
OCT											
21...	323	0	69	3.6	.3	.0	.01	.00	.01	.22	.03
NOV											
18...	293	0	72	3.8	.3	.3	.09	.00	.01	.75	.01
JAN , 1976											
21...	336	0	75	3.6	.3	--	.08	.00	.04	.73	.01
APR											
22...	--	--	--	--	--	--	--	--	--	--	--
AUG											
04...	291	0	63	3.5	.3	--	.01	.00	.01	.52	.06

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
OCT , 1974											
02...	.08	391	395	--	.53	--	296	310	15	14	.6
NOV											
18...	.07	388	386	7.12	.53	--	289	310	18	14	.6
DEC											
10...	.03	455	467	3.27	.62	--	337	370	34	14	.6
JAN , 1975											
20...	.12	365	366	5.91	.50	40	268	290	17	14	.5
FEB											
19...	.12	378	377	4.50	.51	50	264	300	32	14	.6
MAR											
18...	.04	351	354	7.77	.48	30	237	280	43	13	.5
APR											
16...	.13	307	309	9.95	.42	29	210	250	38	14	.5
MAY											
20...	.13	318	310	28.3	.43	31	209	250	44	11	.4
JUN											
17...	.07	339	342	28.3	.46	12	235	280	49	12	.5
JUL											
22...	.11	325	341	12.6	.44	15	237	270	34	13	.5
AUG											
18...	.07	356	340	7.16	.48	14	237	250	16	17	.7
SEP											
22...	.03	372	365	7.42	.51	2	253	280	22	15	.6
OCT											
21...	.06	352	363	8.23	.48	3	265	280	19	13	.5
NOV											
18...	.07	348	349	13.6	.47	22	240	280	37	13	.5
JAN , 1976											
21...	.15	--	385	6.83	.52	60	276	300	29	12	.5
APR											
22...	--	--	--	--	--	--	--	--	--	--	--
AUG											
04...	.12	--	338	4.60	.46	20	239	270	31	13	.5

TABLE 5.—CONTINUED

09307800 HILL CREEK ABOVE TOWAVE RESERVOIR, NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT , 1974										
02...	25	3	20	1	40	0	.0	0	760	10
NOV										
18...	--	3	1200	3	40	0	.0	0	730	30
DEC										
10...	--	2	60	1	10	20	<.1	0	820	0
JAN , 1975										
20...	20	3	50	2	10	20	.0	1	700	40
FEB										
19...	10	3	40	10	30	20	.0	0	670	20
MAR										
18...	<10	2	30	10	20	10	.0	1	540	40
APR										
16...	20	1	20	8	20	20	.1	1	570	50
MAY										
20...	10	3	40	2	20	10	.0	1	650	20
JUN										
17...	10	2	30	2	30	10	.0	1	710	0
JUL										
22...	20	6	40	6	10	10	.0	0	660	10
AUG										
18...	0	7	30	5	0	20	.0	0	700	30
SEP										
22...	--	3	10	--	0	20	--	0	680	10
OCT										
21...	10	2	30	0	20	20	.0	0	710	20
NOV										
18...	30	2	40	3	80	10	.0	0	650	20
JAN , 1976										
21...	0	--	80	--	10	20	--	--	700	--
APR										
22...	--	--	--	--	--	--	--	--	--	--
AUG										
04...	30	--	40	--	90	20	--	--	650	--

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL IN-ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT , 1974									
02...	1100	20	13	5.0	1.0	0	1.10	.400	.04
JAN , 1975									
20...	1430	5	6	4.9	--	4	4.10	3.70	.10
APR									
16...	1430	4	25	9.5	--	5	1.20	3.60	--
JUL									
22...	1530	8	9	6.1	--	5	4.70	7.10	.00
OCT									
21...	1700	--	5	5.8	--	3	1.60	1.60	--
JAN , 1976									
21...	1645	8	--	--	--	--	4.00	4.40	--
AUG									
04...	1915	22	--	--	--	--	--	--	--

09307800 HILL CREEK ABOVE TOWAVE RESERVOIR, NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)
OCT , 1974												
02...	1100	120	0	<3	<10	<3	<2	<2	<3	<3	30	2
OCT , 1975												
21...	1700	90	<1	<3	0	<3	<3	<2	<5	<4	70	4
JAN , 1976												
21...	1645	--	--	--	--	--	--	--	--	--	170	--
APR												
22...	1130	--	--	--	--	--	--	--	--	--	--	--
AUG												
04...	1915	--	--	--	--	--	--	--	--	--	50	--

DATE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED URANIUM (U) (UG/L)
OCT , 1974											
02...	<2	0	<3	<2	<2.0	<5	--	--	--	--	--
OCT , 1975											
21...	<3	<1	<4	<3	<3.0	<5	<3.8	1.7	1.4	.04	1.1
JAN , 1976											
21...	--	--	--	--	--	--	--	--	--	--	--
APR											
22...	--	--	--	--	--	--	6.7	2.5	2.0	--	--
AUG											
04...	--	--	--	--	--	--	--	--	--	--	--

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)
OCT , 1974								
02...	1100	.00	.00	.0	.00	.00	.00	.00
APR , 1975								
16...	1430	.00	.00	.0	.00	.00	.00	.00
OCT								
21...	1700	.00	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL TOX-APHENE (UG/L)	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT , 1974								
02...	.00	--	.00	.00	.0	.00	.01	.00
APR , 1975								
16...	.00	0	.00	.00	.0	.00	.02	.00
OCT								
21...	.00	0	.00	.00	.0	.00	.00	.00

09307900 HILL CREEK NEAR MOUTH, NEAR OURAY, UTAH

LOCATION.--LAT 39 52 35 , LONG 109 42 12 , IN SE1/4 SE1/4 NW1/4 SEC. 8, T.11 S., R.20 E., UINTAH COUNTY, UINTAH AND OURAY INDIAN RESERVATION, ON RIGHT BANK 5.9 MILES (9.5 KM) UPSTREAM FROM MOUTH AND 15 MILES (24.1 KM) SOUTHEAST OF OURAY.

DRAINAGE AREA.--288 MI2 (746 KM2).

PERIOD OF RECORD.--DISCHARGE: OCTOBER 1974 TO CURRENT YEAR.
CHEMICAL ANALYSES: FEBRUARY 1975 TO CURRENT YEAR.

GAGE.--WATER-STAGE RECORDER AND CONCRETE CONTROL. ALTITUDE OF GAGE IS 5,060 FT (1,542 M) FROM TOPOGRAPHIC MAP.

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 82 FT3/S (2.32 M3/S) MAY 17 (GAGE HEIGHT, 4.84 FT OR 1.475 M FROM HIGH-WATER MARKS); NO FLOW ON MANY DAYS.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 201 FT3/S (5.69 M3/S) AUG. 1 (GAGE HEIGHT, 4.4 FT OR 1.34 M) FROM SLOPE-AREA MEASUREMENT; NO FLOW ON MANY DAYS.

REMARKS.--DISCHARGE: RECORDS GOOD EXCEPT THOSE FOR WINTER PERIODS, WHICH ARE POOR.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0			0	8.6	6.7	2.9	36	8.5	5.7	0
2		0			0	8.6	5.8	2.4	34	8.5	5.2	0
3		0			0	7.7	5.5	2.3	34	8.7	4.8	0
4		0			0	8.5	6.4	6.0	34	8.5	4.2	0
5		0			0	9.2	7.2	7.3	34	8.7	3.8	0
6		0			0	9.2	8.9	9.9	34	8.5	3.6	0
7		0			0	7.4	10	10	34	8.5	3.2	0
8		0			0	7.6	10	9.0	35	9.9	2.8	0
9		0			0	9.1	8.2	6.0	36	10	2.7	0
10		0			0	9.9	6.7	9.7	36	9.4	2.9	0
11		0			0	12	6.7	7.8	35	8.0	2.5	0
12		0			0	9.5	7.3	4.6	34	7.0	2.6	0
13		0			0	8.4	7.3	6.4	32	7.0	2.5	2.8
14		0			0	7.6	6.4	6.8	30	8.0	2.4	.89
15		0			0	6.6	7.0	7.3	30	9.0	4.6	0
16		0			0	5.3	7.5	7.9	30	11	6.8	0
17		0			0	6.6	8.8	20	28	13	6.1	0
18		0			3.0	6.1	9.2	18	28	6.2	5.1	0
19		0			5.0	5.4	8.4	17	29	6.1	4.6	0
20		0			1.5	5.5	7.9	22	29	5.9	4.7	0
21		0			8.0	6.7	6.4	29	31	5.9	5.2	0
22		.30			7.0	7.6	2.5	34	29	9.2	5.2	0
23		.50			1.2	6.8	2.6	34	28	6.4	4.3	0
24		0			.74	6.1	2.5	34	26	6.0	1.6	0
25		.10			1.1	4.7	2.9	31	15	4.6	0	0
26		.30			8.6	7.3	4.3	29	8.2	3.9	0	0
27		.40			5.5	2.4	6.7	30	8.0	3.7	0	0
28		.40			5.5	2.8	7.5	40	8.2	3.6	0	0
29		.70			---	2.1	5.3	44	8.5	4.0	0	0
30		0			---	6.3	3.9	52	8.5	6.8	0	0
31		---			---	5.9	---	42	---	5.7	0	---
TOTAL	0	2.70	0	0	47.14	217.5	196.5	582.3	822.4	230.2	97.1	3.69
MEAN	0	.090	0	0	1.68	7.02	6.55	18.8	27.4	7.43	3.13	.12
MAX	0	.70	0	0	8.6	12	10	52	36	13	6.8	2.8
MIN	0	0	0	0	0	2.1	2.5	2.3	8.0	3.6	0	0
AC-FT	0	5.4	0	0	94	431	390	1150	1630	457	193	7.3

WTR YR 1975 TOTAL 2199.53 MEAN 6.03 MAX 52 MIN 0 AC-FT 4360

09307900 HILL CREEK NEAR MOUTH, NEAR OURAY, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	4.5	0	0	.20	12	8.4	9.3	3.6	.65	16	
2	0	4.0	0	0	.20	12	8.5	9.0	3.2	.47	5.9	
3	0	3.5	0	0	.20	11	8.8	9.1	2.7	.32	2.6	
4	0	3.4	0	0	.20	9.1	9.2	9.3	2.2	.22	.92	
5	0	3.3	0	0	.20	11	9.6	9.5	.99	.11	.07	
6	0	3.5	0	0	.20	11	10	9.9	.55	.01	0	
7	0	3.5	0	0	.10	7.4	12	11	.76	0	0	
8	0	3.7	0	0	.10	14	12	13	1.2	0	0	
9	0	3.7	0	0	.10	9.2	11	17	.90	0	0	
10	0	3.7	0	0	.10	12	9.8	15	.71	0	0	
11	0	3.7	0	0	.20	16	9.5	14	.49	0	0	
12	0	3.0	1.0	0	.20	15	9.4	12	.48	0	0	
13	0	1.0	1.4	0	.20	18	9.4	11	.56	0	0	
14	0	.70	1.6	0	.20	14	9.8	8.2	.72	0	0	
15	0	.50	1.6	0	.20	15	10	6.6	.70	0	0	
16	0	.30	1.2	0	.20	16	11	5.5	1.1	0	0	
17	0	.20	1.0	0	.30	17	10	5.2	1.8	0	0	
18	0	.10	.50	0	.40	19	10	4.8	1.0	0	0	
19	0	0	.20	0	.50	17	10	4.7	1.3	0	0	
20	0	0	.10	0	.60	14	9.7	5.0	.97	0	0	
21	0	0	.10	0	.80	14	9.4	5.4	.41	0	0	
22	0	0	0	.20	1.0	12	9.0	7.0	.22	0	0	
23	0	0	0	.50	4.0	12	8.6	8.0	.11	0	0	
24	2.0	0	0	.40	5.0	12	8.4	7.6	.11	0	0	
25	15	.92	0	.30	6.0	11	9.1	7.6	.18	0	0	
26	3.3	0	0	.20	6.7	10	9.9	7.5	.32	0	0	
27	3.1	0	0	0	12	11	10	7.3	1.6	0	0	
28	3.0	0	0	0	12	10	10	7.0	1.3	0	0	
29	3.0	0	0	0	12	9.1	9.8	5.6	1.1	0	0	
30	2.8	0	0	.10	---	9.0	9.4	4.4	.85	0	0	
31	4.0	---	0	.20	---	8.7	---	4.1	---	0	0	---
TOTAL	36.2	47.22	8.70	1.90	64.10	388.5	291.7	260.6	32.13	1.78	25.49	0
MEAN	1.17	1.57	.28	.061	2.21	12.5	9.72	8.41	1.07	.057	.82	0
MAX	15	4.5	1.6	.50	12	19	12	17	3.6	.65	16	0
MIN	0	0	0	0	.10	7.4	8.4	4.1	.11	0	0	0
AC-FT	72	94	17	3.8	127	771	579	517	64	3.5	51	0

CAL YR 1975 TOTAL 2288.95 MEAN 6.27 MAX 52 MIN 0 AC-FT 4540
WTR YR 1976 TOTAL 1158.32 MEAN 3.16 MAX 19 MIN 0 AC-FT 2300

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
FEB , 1975											
18...	1200	2.6	.0	1400	7.8	10.8	18	83	91	140	5.3
MAR											
18...	1130	6.2	3.0	1020	8.4	9.2	16	74	65	100	3.9
APR											
16...	1145	7.4	7.0	1050	7.8	10.4	16	65	66	90	3.4
MAY											
13...	1400	7.1	16.0	955	8.1	7.8	15	76	61	87	3.4
JUN											
11...	1930	35	12.5	825	8.5	8.1	15	69	44	54	2.6
JUL											
24...	1200	6.0	18.5	970	8.1	7.5	18	59	53	79	4.1
AUG											
20...	1030	4.3	14.5	940	7.9	8.1	15	52	57	81	3.5
OCT											
24...	1130	3.1	.5	1150	8.0	11.2	15	59	61	92	3.9
NOV											
21...	1300	.03	1.0	1375	8.1	11.2	19	91	83	150	4.4
FEB , 1976											
13...	1000	15	.0	900	8.1	10.2	15	62	48	66	6.0
APR											
27...	1100	10	5.5	1010	8.4	10.8	15	69	56	85	3.1
JUL											
15...	1500	.00	--	--	--	--	--	--	--	--	--

TABLE 5.—CONTINUED

09307900 HILL CREEK NEAR MOUTH, NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DISSOLVED SULFIDE (S) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
FEB , 1975											
18...	525	0	400	22	.7	--	.2	.36	.01	.03	.69
MAR											
18...	422	0	260	17	.7	--	.2	.22	.01	.01	1.3
APR											
16...	402	0	260	15	.5	--	.0	.14	.01	.01	.76
MAY											
13...	399	0	260	14	.4	--	.1	.09	.00	.02	.59
JUN											
11...	346	3	150	8.8	.4	--	.2	.06	.00	.02	.34
JUL											
24...	345	0	210	12	.5	--	.3	.08	.01	.00	.81
AUG											
20...	356	0	230	11	.5	--	.0	.04	.00	.00	.32
OCT											
24...	420	0	250	14	.5	--	.0	.00	.00	.00	.47
NOV											
21...	506	0	410	21	.7	--	.2	.20	.01	.04	.67
FEB , 1976											
13...	395	0	170	10	.4	--	--	.20	--	--	--
APR											
27...	413	0	220	17	.5	.1	.2	.04	.00	.00	1.2
JUL											
15...	--	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM
FEB , 1975											
18...	.06	.08	1030	1020	7.48	1.40	2	431	580	150	34
MAR											
18...	.06	.45	761	748	12.8	1.04	600	346	450	110	32
APR											
16...	.05	1.1	710	717	14.3	.97	230	330	440	110	31
MAY											
13...	.04	.24	693	717	13.3	.94	300	327	440	120	30
JUN											
11...	.01	.11	520	519	50.3	.71	390	289	350	66	25
JUL											
24...	.01	.34	609	608	10.0	.83	130	283	370	84	32
AUG											
20...	.00	.05	626	627	7.27	.85	21	292	370	74	32
OCT											
24...	.01	.14	718	705	6.01	.98	10	344	400	55	33
NOV											
21...	.05	.09	1110	1030	.09	1.51	40	415	570	160	36
FEB , 1976											
13...	.08	--	--	574	23.2	.78	--	324	350	28	29
APR											
27...	.03	.51	663	672	19.5	.90	200	339	400	65	31
JUL											
15...	--	--	--	--	--	--	--	--	--	--	--

DATE	SODIUM ADSORPTION RATIO	DISSOLVED ALUMINUM (AL) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LITHIUM (LI) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	DISSOLVED STRONTIUM (SR) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
FEB , 1975											
18...	2.5	30	13	980	10	30	50	.0	0	1400	20
MAR											
18...	2.0	50	13	400	5	40	40	.1	1	1100	7
APR											
16...	1.9	30	9	780	190	30	40	.0	1	1100	0
MAY											
13...	1.8	330	10	730	2	650	30	.1	1	1200	10
JUN											
11...	1.3	30	7	370	4	60	10	.2	1	970	10
JUL											
24...	1.8	30	17	650	6	20	30	.0	1	1000	10
AUG											
20...	1.8	0	11	640	4	30	40	.0	1	1000	10
OCT											
24...	2.0	10	16	750	28	110	30	.0	1	1100	20
NOV											
21...	2.7	20	19	1600	6	60	40	.0	1	1400	20
FEB , 1976											
13...	1.5	--	--	450	--	10	--	--	--	--	--
APR											
27...	1.8	40	8	640	5	20	30	.0	1	920	20
JUL											
15...	--	--	--	--	--	--	--	--	--	--	--

09307900 HILL CREEK NEAR MOUTH, NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	TIME	COLOR (PLATINUM-COBALT UNITS)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL INORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
APR , 1975									
16...	1145	5	42	14	--	9	4.50	4.00	--
JUL									
24...	1200	10	26	10	--	2	8.00	14.0	.00
OCT									
24...	1130	--	20	7.4	--	4	15.0	3.10	--
APR , 1976									
27...	1100	7	--	11	119	3	--	--	.00

DATE	TIME	DISSOLVED BARIUM (BA) (UG/L)	DISSOLVED BERYLLIUM (BE) (UG/L)	DISSOLVED BISMUTH (BI) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	DISSOLVED GALLIUM (GA) (UG/L)	DISSOLVED GERMANIUM (GE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
OCT , 1975											
24...	1130	60	<1	<5	0	<5	<5	<3	<8	<6	3
FEB , 1976											
13...	1000	--	--	--	--	--	--	--	--	--	10
APR											
27...	1100	0	--	--	0	0	--	--	--	1	10

DATE	DISSOLVED MOLYBDENUM (MO) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED SILVER (AG) (UG/L)	DISSOLVED TIN (SN) (UG/L)	DISSOLVED TITANIUM (TI) (UG/L)	DISSOLVED VANADIUM (V) (UG/L)	DISSOLVED ZIRCONIUM (ZR) (UG/L)	DISSOLVED GROSS ALPHA AS U-NAT. (UG/L)	DISSOLVED GROSS BETA AS CS-137 (PC/L)	DISSOLVED GROSS BETA AS SR90 /Y90 (PC/L)	DISSOLVED RA-226 (RADON METHOD) (PC/L)
OCT , 1975											
24...	50	<5	<1	<6	<5	<5.0	<8	<8.2	15	12	.07
FEB , 1976											
13...	--	--	--	--	--	--	--	--	--	--	--
APR											
27...	26	--	--	--	--	3.2	--	<11	5.0	4.0	--

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL TOXAPHENE (UG/L)
APR , 1975										
16...	1145	.00	.00	.0	.00	.00	.00	.00	.00	0
JUL										
25...	1720	.00	.00	.0	.00	.00	.00	.00	.00	0
OCT										
24...	1130	.00	.00	.0	.00	.00	.00	.00	.00	0

DATE	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL MALATHION (UG/L)	TOTAL PARATHION (UG/L)	TOTAL DIAZINON (UG/L)	TOTAL METHYL PARATHION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
APR , 1975										
16...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00
JUL										
25...	.00	.00	.0	--	--	--	--	.00	.00	.00
OCT										
24...	.00	.00	.0	--	--	--	--	.00	.00	.00

09308000 WILLOW CREEK NEAR OURAY, UTAH

LOCATION.--LAT 39 56 20 , LONG 109 38 52 , IN NE1/4 NW1/4 NE1/4 SEC. 22, T.10 S., R.20 E., SALT LAKE MERIDIAN, UINTAH COUNTY, ON LEFT BANK 0.3 MILE (0.5 KM) UPSTREAM FROM BLACK BRIDGE, 1.6 MILES (2.6 KM) DOWNSTREAM FROM HILL CREEK, AND 10 MILES (16.1 KM) SOUTH OF OURAY.

DRAINAGE AREA.--897 MI2 (2,323 KM2), REVISED.

PERIOD OF RECORD.--DISCHARGE: JULY 1947 TO SEPTEMBER 1955, OCTOBER 1974 TO CURRENT YEAR. ANNUAL MAXIMUM, WATER YEARS 1960-68.
CHEMICAL ANALYSES: OCTOBER 1974 TO CURRENT YEAR.
SEDIMENT: OCTOBER 1974 TO CURRENT YEAR.

GAGE.--WATER-STAGE RECORDER AND CONCRETE CONTROL. ALTITUDE OF GAGE IS 4,860 FT (1,481 M) FROM TOPOGRAPHIC MAP. PRIOR TO OCTOBER 1974 AT DIFFERENT SITES AND DATUMS.

AVERAGE DISCHARGE.--10 YEARS, (1947-55, 1975-76) 26.1 FT3/S (0.739 M3/S), 18,910 ACRE-FT/YR (23.3 HM3/YR).

EXTREMES.--WATER YEAR 1975:
DISCHARGE: MAXIMUM DISCHARGE, 673 FT3/S (19.1 M3/S) MAY 17 (GAGE HEIGHT, 4.49 FT OR 1.369 M), FROM RATING CURVE EXTENDED ABOVE 100 FT3/S (2.83 M3/S); MINIMUM, 0.60 FT3/S (0.017 M3/S) SEPT. 3.
SEDIMENT CONCENTRATIONS: MAXIMUM DAILY, 31,500 MG/L APR. 22; MINIMUM DAILY, 2 MG/L SEPT. 9.
SEDIMENT DISCHARGE: MAXIMUM DAILY, 5,500 TONS (4,990 TONNES) MAY 30; MINIMUM DAILY, 0.01 TONS (0.01 TONNES) SEPT. 3.
WATER YEAR 1976:
DISCHARGE: MAXIMUM DISCHARGE, 178 FT3/S (5.04 M3/S) MAY 7 (GAGE HEIGHT, 3.51 FT OR 1.070 M); NO FLOW MANY DAYS IN AUGUST.
SEDIMENT CONCENTRATIONS: MAXIMUM DAILY, 33,600 MG/L MAR. 17; MINIMUM DAILY, NO FLOW FOR SEVERAL DAYS.
SEDIMENT DISCHARGE: MAXIMUM DAILY, 4,540 TONS (4,120 TONNES) MAR. 17; MINIMUM DAILY, NO FLOW FOR SEVERAL DAYS.
PERIOD OF RECORD:
DISCHARGE: MAXIMUM DISCHARGE, 11,000 FT3/S (312 M3/S) FEB. 1962 (GAGE HEIGHT, 17.73 FT OR 5.404 M, SITE AND DATUM THEN IN USE), ESTIMATED; NO FLOW AT TIMES.
SEDIMENT CONCENTRATIONS: MAXIMUM DAILY, 33,600 MG/L MAR. 17, 1976; MINIMUM DAILY, NO FLOW FOR SEVERAL DAYS IN 1976.
SEDIMENT DISCHARGE: MAXIMUM DAILY, 5,500 TONS (4,990 TONNES) MAY 30, 1975; MINIMUM DAILY, NO FLOW FOR SEVERAL DAYS IN 1976.

REMARKS.--DISCHARGE: RECORDS GOOD EXCEPT THOSE FOR WINTER PERIOD AND THOSE FOR PERIOD OF NO GAGE-HEIGHT RECORD, WHICH ARE POOR. DIVERSIONS FOR IRRIGATION ABOVE STATION.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	16	5.2	13	14	22	35	23	97	22	14	1.7
2	6.8	17	5.5	13	13	25	29	23	88	20	10	1.1
3	7.6	16	7.0	13	12	27	28	24	84	22	11	.90
4	8.6	17	8.0	13	11	30	29	30	84	21	8.6	1.3
5	9.7	17	8.5	13	10	33	30	44	82	23	6.4	1.5
6	8.6	15	10	13	10	36	31	43	74	26	5.6	1.9
7	8.6	15	7.0	13	10	38	36	42	76	24	4.4	1.7
8	6.4	12	6.0	12	10	41	32	38	80	27	3.0	1.7
9	6.0	13	5.0	11	10	35	27	28	88	30	2.4	1.9
10	5.6	19	4.5	10	10	30	26	32	84	32	2.2	2.8
11	4.4	16	3.9	10	10	26	26	38	80	32	4.4	2.2
12	5.2	14	4.0	9.5	10	24	26	46	72	36	6.0	2.6
13	5.2	15	5.0	9.5	11	23	26	58	63	34	7.2	7.6
14	6.4	16	7.0	9.5	12	23	24	54	56	43	7.2	12
15	5.2	14	10	10	13	24	26	59	52	35	9.7	11
16	5.6	16	11	11	13	26	30	57	51	48	11	6.0
17	4.8	14	11	11	14	24	53	87	47	49	10	4.8
18	5.2	12	11	12	15	24	42	104	48	43	8.6	3.8
19	5.2	16	11	12	15	24	31	90	49	37	7.6	3.6
20	6.0	14	11	13	15	25	29	95	51	30	7.2	4.0
21	6.4	21	11	13	15	30	32	113	55	29	7.6	5.2
22	9.7	12	10	14	14	29	47	108	55	47	6.8	4.4
23	11	16	10	14	14	30	59	93	52	30	5.6	5.6
24	12	16	9.5	15	14	26	55	86	44	21	1.9	5.2
25	17	22	9.0	17	14	27	59	79	40	19	.95	5.0
26	12	24	9.0	18	16	34	74	76	26	18	.90	5.0
27	11	19	9.5	18	18	26	65	81	29	15	1.1	5.0
28	12	15	10	17	20	23	55	99	28	16	1.0	5.0
29	14	10	11	16	---	19	43	120	26	16	1.1	5.0
30	19	6.0	11	15	---	13	26	129	25	18	1.4	5.0
31	17	---	12	14	---	39	---	109	---	17	1.6	---
TOTAL	266.6	465.0	263.6	402.5	363	856	1131	2108	1786	880	176.45	124.50
MEAN	8.60	15.5	8.50	13.0	13.0	27.6	37.7	68.0	59.5	28.4	5.69	4.15
MAX	19	24	12	18	20	41	74	129	97	49	14	12
MIN	4.4	6.0	3.9	9.5	10	13	24	23	25	15	.90	.90
AC-FT	529	922	523	798	720	1700	2240	4180	3540	1750	350	247

WTR YR 1975 TOTAL 8822.65 MEAN 24.2 MAX 129 MIN .90 AC-FT 17500

09308000 WILLOW CREEK NEAR OURAY, UTAH—CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	31	20	18	22	30	36	42	27	4.8	15	.91
2	16	27	20	18	20	28	38	42	26	4.0	5.0	1.1
3	16	26	20	18	20	22	39	45	26	3.6	2.0	.83
4	16	26	20	18	22	24	42	48	26	5.2	1.2	.83
5	16	25	20	18	22	22	47	49	26	4.8	.60	.35
6	16	26	20	18	22	24	48	51	26	4.0	.30	.15
7	16	24	20	18	20	28	47	60	16	3.8	.15	.45
8	16	22	20	18	24	30	44	60	3.8	5.2	.06	.30
9	20	23	20	18	26	30	43	58	2.5	4.8	.15	2.9
10	18	22	20	18	28	35	44	55	2.7	3.6	.10	3.3
11	17	22	20	18	28	38	47	49	2.9	1.2	.02	3.6
12	17	31	20	18	24	42	49	45	2.7	.91	.15	3.6
13	17	27	20	18	22	48	52	44	2.0	2.9	.40	3.3
14	19	21	20	18	24	50	47	36	2.5	1.4	1.0	2.9
15	20	22	20	18	26	50	46	35	8.0	1.4	.40	5.2
16	21	30	19	18	26	50	44	35	4.8	1.4	.06	3.8
17	21	28	18	18	24	50	42	37	5.2	1.2	.35	3.6
18	24	32	18	18	26	50	40	37	8.0	.83	.20	1.4
19	23	26	18	18	26	50	40	36	11	.68	0	1.2
20	22	26	18	18	24	49	37	35	9.1	.55	.30	.91
21	22	25	18	22	20	44	35	36	7.6	.83	.01	1.2
22	20	25	18	22	22	44	33	43	3.8	.60	0	1.8
23	23	25	18	22	30	43	35	47	7.2	.55	.05	.60
24	27	30	18	22	30	40	36	44	11	.40	.05	.83
25	23	30	18	22	28	38	42	40	8.0	.35	0	1.8
26	22	20	18	22	30	39	49	37	8.6	11	0	7.2
27	26	20	18	20	36	38	48	36	7.2	4.8	0	7.2
28	26	20	18	22	34	39	39	30	9.1	3.1	.13	5.2
29	25	20	18	22	36	39	39	28	8.0	1.2	.75	5.2
30	24	20	18	22	---	39	42	27	4.8	.83	1.1	5.2
31	28	---	18	22	---	36	---	27	---	1.0	.75	---
TOTAL	633	752	589	600	742	1189	1270	1294	313.5	80.93	30.28	76.86
MEAN	20.4	25.1	19.0	19.4	25.6	38.4	42.3	41.7	10.5	2.61	.98	2.56
MAX	28	32	20	22	36	50	52	60	27	11	15	7.2
MIN	16	20	18	18	20	22	33	27	2.0	.35	0	.15
AC-FT	1260	1490	1170	1190	1470	2360	2520	2570	622	161	60	152

CAL YR 1975 TOTAL 9801.45 MEAN 26.9 MAX 129 MIN .90 AC-FT 19440
WTR YR 1976 TOTAL 7570.57 MEAN 20.7 MAX 60 MIN 0 AC-FT 15020

NOTE.--NO GAGE-HEIGHT RECORD JAN. 21 TO MAR. 14.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
OCT , 1974											
04...	1030	8.6	10.0	2250	7.9	--	15	70	110	410	6.2
NOV											
20...	--	15	3.0	1550	7.8	--	16	84	58	180	3.0
DEC											
09...	1600	4.6	.0	1700	8.1	--	16	87	76	220	2.8
JAN , 1975											
21...	1615	15	.5	1200	8.2	10.6	17	77	59	150	3.1
FEB											
18...	1430	17	.0	1500	7.8	11.3	15	80	72	180	3.8
MAR											
18...	1330	26	6.0	1400	8.4	8.7	15	82	66	160	3.4
APR											
16...	1330	24	10.5	1340	8.0	8.3	15	76	64	150	3.3
MAY											
13...	1800	53	19.0	850	7.6	6.4	12	65	41	95	2.9
JUN											
18...	1230	50	12.7	1400	7.6	8.0	15	76	52	160	3.5
JUL											
16...	2040	94	--	1590	--	--	14	82	65	180	6.4
24...	1600	20	25.5	1500	8.1	6.5	18	76	60	180	4.6
AUG											
20...	1330	7.7	20.0	1950	8.0	5.9	15	62	99	290	5.1
SEP											
24...	1730	3.9	20.0	2500	8.1	23.0	14	76	100	400	5.1
OCT											
22...	1700	19	9.0	1625	7.9	9.0	15	70	68	190	3.0
NOV											
19...	1500	28	3.0	1450	8.0	11.6	15	80	66	170	3.4
JAN , 1976											
20...	1100	17	.0	1290	7.8	11.8	15	79	53	140	2.4
FEB											
13...	1100	50	.0	900	8.1	11.2	12	53	42	88	4.6
APR											
20...	1500	34	14.5	1260	8.5	8.4	15	77	60	140	3.2
JUL											
15...	1300	.60	29.0	3700	8.8	6.9	--	--	--	--	--
20...	1500	.68	26.5	3750	8.5	9.0	8.3	60	150	730	7.5
AUG											
19...	1530	.05	31.0	4900	9.0	6.2	--	--	--	--	--
SEP											
09...	1330	1.6	14.5	4300	8.8	8.3	4.2	70	180	890	8.5
24...	1400	1.5	22.0	3500	8.4	7.2	--	--	--	--	--

TABLE 5.—CONTINUED

09308000 WILLOW CREEK NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DISSOLVED SULFIDE (S) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT , 1974											
04...	637	0	880	39	.8	--	.2	.14	.00	.13	1.1
NOV											
20...	486	0	410	20	.5	--	.0	.28	.01	.06	1.7
DEC											
09...	523	0	500	24	.6	--	.2	.31	.01	.10	.75
JAN , 1975											
21...	461	0	390	17	.5	--	3.1	.32	.01	.03	.84
FEB											
18...	471	0	470	23	.5	--	.1	.30	.03	.01	.53
MAR											
18...	439	0	390	21	.7	--	.2	.26	.01	.02	.39
APR											
16...	422	0	360	19	.5	--	.1	.00	.00	.03	2.8
MAY											
13...	304	0	260	11	.4	--	.1	.37	.00	.00	12
JUN											
18...	408	0	410	19	.5	--	.0	.38	.01	.00	.64
JUL											
16...	284	--	610	23	.5	--	--	.51	--	--	--
24...	403	0	450	23	.6	--	.2	.20	.01	.00	1.1
AUG											
20...	454	0	700	32	.7	--	.2	.02	.00	.00	.57
SEP											
24...	528	0	940	44	.7	--	.0	.06	.01	.00	1.0
OCT											
22...	428	0	480	21	.5	--	.0	.08	.01	.00	1.3
NOV											
19...	448	0	450	20	.5	--	.0	.16	.01	.00	1.6
JAN , 1976											
20...	449	0	350	15	.5	--	--	.27	.00	.04	.77
FEB											
13...	322	0	220	11	.4	--	--	.40	--	--	--
APR											
20...	376	18	350	18	.3	.2	.0	.23	.01	.04	2.7
JUL											
15...	--	--	--	--	--	--	--	--	--	--	--
20...	662	32	1500	84	1.1	--	--	.02	.01	.00	.89
AUG											
19...	--	--	--	--	--	--	--	--	--	--	--
SEP											
09...	789	20	2000	83	1.0	--	--	.00	--	--	--

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	TURBIDITY (JTU)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM
OCT , 1974											
04...	.04	2.1	1930	1850	45.0	2.62	--	523	630	110	58
NOV											
20...	.04	1.0	1060	1020	43.8	1.44	--	399	450	51	46
DEC											
09...	.06	.22	1230	1190	15.4	1.67	--	429	530	100	47
JAN , 1975											
21...	.06	.30	943	948	39.7	1.28	100	378	440	58	43
FEB											
18...	.05	1.1	1070	1080	51.8	1.46	500	386	500	110	44
MAR											
18...	.09	.74	999	958	70.9	1.36	700	360	480	120	42
APR											
16...	.06	2.6	959	899	62.1	1.30	70	346	450	110	42
MAY											
13...	.04	.07	665	641	95.3	.90	1700	249	330	83	38
JUN											
18...	.02	.18	954	941	129	1.30	880	335	410	71	46
JUL											
16...	.03	--	--	1120	286	1.52	--	233	470	240	45
24...	.04	.75	1060	1010	58.1	1.44	280	331	440	110	47
AUG											
20...	.00	.02	1450	1430	30.2	1.97	52	372	560	190	53
SEP											
24...	.01	.00	1870	1840	19.9	2.54	6	433	600	170	59
OCT											
22...	.01	.41	1060	1060	56.7	1.44	110	351	460	110	47
NOV											
19...	.03	.21	1030	1030	79.8	1.40	280	367	470	110	44
JAN , 1976											
20...	.03	.20	--	880	42.1	1.20	130	368	420	48	42
FEB											
13...	.05	--	--	592	79.9	.81	--	264	310	41	38
APR											
20...	.04	.76	877	870	80.5	1.19	540	338	440	100	41
JUL											
15...	--	--	--	--	--	--	--	--	--	--	--
20...	.03	.05	--	2910	5.34	3.96	30	596	770	170	67
AUG											
19...	--	--	--	--	--	--	--	--	--	--	--
SEP											
09...	.01	--	--	3650	16.2	4.96	--	680	920	240	68

TABLE 5.—CONTINUED

09308000 WILLOW CREEK NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA

DATE	SODIUM AD-SORP-TION RATIO	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT , 1974											
04...	7.1	160	38	1700	6	20	55	.0	5	1700	<37
NOV											
20...	3.7	--	21	1200	2	80	10	.0	2	1300	870
DEC											
09...	4.2	--	16	1500	5	30	40	<.1	2	1300	20
JAN , 1975											
21...	3.1	10	19	900	2	10	20	.0	1	1200	20
FEB											
18...	3.5	40	11	1200	20	150	40	.2	0	1300	40
MAR											
18...	3.2	60	10	320	6	30	30	.1	1	1200	0
APR											
16...	3.1	50	12	930	500	40	30	.0	1	1300	10
MAY											
13...	2.3	80	8	580	3	130	20	.0	1	860	8
JUN											
18...	3.5	10	10	1100	4	80	20	.0	3	1300	20
JUL											
16...	3.6	--	--	1500	--	40	--	--	--	--	--
24...	3.7	10	16	1300	17	10	30	.0	3	1300	0
AUG											
20...	5.3	0	28	2200	5	0	50	.0	3	1400	10
SEP											
24...	7.1	20	28	2700	10	20	40	.3	4	1500	10
OCT											
22...	3.9	10	20	1100	2	40	30	.0	2	1200	5
NOV											
19...	3.4	40	15	1200	7	20	30	.0	1	1300	30
JAN , 1976											
20...	3.0	10	--	730	--	30	20	--	--	1100	--
FEB											
13...	2.2	--	--	510	--	10	--	--	--	--	--
APR											
20...	2.9	10	12	870	5	40	30	.0	1	1100	10
JUL											
15...	--	--	--	--	--	--	--	--	--	--	--
20...	11	30	--	4700	--	40	70	--	--	1900	--
AUG											
19...	--	--	--	--	--	--	--	--	--	--	--
SEP											
09...	13	--	--	5100	--	--	--	--	--	--	--

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL IN-ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT , 1974									
04...	1030	30	92	36	3.0	3	6.40	6.20	.08
JAN , 1975									
21...	1615	5	23	7.2	--	1	3.20	5.70	.10
APR									
16...	1330	8	110	36	--	3	3.80	1.80	--
JUL									
24...	1600	15	42	20	--	3	1.50	2.50	.00
OCT									
22...	1700	--	28	.8	--	0	4.80	4.10	--
JAN , 1976									
20...	1100	7	--	--	--	--	3.90	4.20	--
APR									
20...	1500	10	--	15	117	2	--	--	.00
JUL									
20...	1500	25	--	--	--	--	--	--	--

DATE	TIME	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)
OCT , 1974												
04...	1030	65	<3	<12	<37	<12	<12	<4	<12	<12	<6	58
JUL , 1975												
16...	2040	--	--	--	--	--	--	--	--	--	20	--
OCT												
22...	1700	70	<2	<7	0	<7	<7	<5	<10	<8	<3	50
JAN , 1976												
20...	1100	--	--	--	--	--	--	--	--	--	10	--
FEB												
13...	1100	--	--	--	--	--	--	--	--	--	10	--
APR												
20...	1500	0	--	--	0	0	--	--	--	2	10	25
JUL												
20...	1500	--	--	--	--	--	--	--	--	--	20	--

09308000 WILLOW CREEK NEAR OURAY, UTAH—CONTINUED

WATER-QUALITY DATA—CONTINUED

DATE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED NATURAL URANIUM (U) (UG/L)
OCT , 1974											
04...	<12	<2	<12	<8	15	<17	39	12	9.6	.07	8.8
JUL , 1975											
16...	--	--	--	--	--	--	--	--	--	--	--
OCT											
22...	<7	<1	<10	<7	<7.0	<10	<11	5.6	4.4	.09	--
JAN , 1976											
20...	--	--	--	--	--	--	--	--	--	--	--
FEB											
13...	--	--	--	--	--	--	--	--	--	--	--
APR											
20...	--	--	--	--	8.1	--	<10	9.7	7.7	--	--
JUL											
20...	--	--	--	--	--	--	--	--	--	--	--

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL LINDANE (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)
OCT , 1974								
04...	1030	.00	.00	.0	.00	.00	.00	.00
APR , 1975								
16...	1330	.00	.00	.0	.00	.00	.00	.00
JUL								
24...	1600	.00	.00	.0	.00	.00	.00	.00
OCT								
22...	1700	.00	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL TOX-APHENE (UG/L)	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL PCB (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT , 1974								
04...	.00	0	.00	.00	--	.00	.00	.00
APR , 1975								
16...	.00	0	.00	.00	.0	.00	.00	.00
JUL								
24...	.00	0	.00	.00	.0	.00	.00	.00
OCT								
22...	.00	0	.00	.00	.0	.00	.00	.00

TABLE 5.—CONTINUED

09308000 WILLOW CREEK NEAR OURAY, UTAH—CONTINUED

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	4.4	300	3.6	16	4700	203	5.2	332	4.7
2	6.8	500	9.2	17	4210	193	5.5	472	7.0
3	7.6	600	12	16	2600	112	7.0	645	12
4	8.6	681	16	17	3040	140	8.0	679	15
5	9.7	2200	58	17	1940	89	8.5	1680	39
6	8.6	1720	40	15	1380	56	10	1740	47
7	8.6	1470	34	15	1450	59	7.0	394	7.4
8	6.4	924	16	12	1020	33	6.0	316	5.1
9	6.0	609	9.9	13	1500	53	5.0	251	3.4
10	5.6	633	9.6	19	2440	125	4.5	238	2.9
11	4.4	461	5.5	16	1310	57	3.9	172	1.8
12	5.2	645	9.1	14	1160	44	4.0	210	2.3
13	5.2	864	12	15	1500	61	5.0	235	3.2
14	6.4	594	10	16	2000	86	7.0	120	2.3
15	5.2	406	5.7	14	1830	69	10	333	9.0
16	5.6	426	6.4	16	1830	79	11	488	14
17	4.8	310	4.0	14	1090	41	11	265	7.9
18	5.2	395	5.5	12	1010	33	11	259	7.7
19	5.2	587	8.2	16	1520	66	11	350	10
20	6.0	433	7.0	14	1540	58	11	246	7.3
21	6.4	332	5.7	21	2000	113	11	271	8.0
22	9.7	783	21	12	1000	32	10	204	5.5
23	11	693	21	16	2040	88	10	292	7.9
24	12	993	32	16	1790	77	9.5	329	8.4
25	17	2100	96	22	5350	318	9.0	192	4.7
26	12	1320	43	24	4200	272	9.0	213	5.2
27	11	817	24	19	1540	79	9.5	211	5.4
28	12	1310	42	15	3100	126	10	178	4.8
29	14	6280	237	10	1420	38	11	163	4.8
30	19	6340	325	6.0	2490	40	11	208	6.2
31	17	11000	505	---	---	---	12	184	6.0
TOTAL	266.6	---	1633.4	465.0	---	2840	263.6	---	275.9

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	13	512	18	14	763	29	22	15700	933
2	13	161	5.7	13	716	25	25	25000	1690
3	13	107	3.8	12	709	23	27	17800	1300
4	13	144	5.1	11	728	22	30	16300	1320
5	13	456	16	10	1020	28	33	16100	1430
6	13	198	6.9	10	824	22	36	21800	2120
7	13	215	7.5	10	858	23	38	22900	2350
8	12	326	11	10	719	19	41	13300	1470
9	11	283	8.4	10	965	26	35	11400	1080
10	10	299	8.1	10	1110	30	30	10200	826
11	10	313	8.5	10	1250	34	26	8000	562
12	9.5	307	7.9	10	1240	33	24	5760	373
13	9.5	53	1.4	11	1590	47	23	5360	333
14	9.5	292	7.5	12	2030	66	23	5590	347
15	10	512	14	13	1280	45	24	5050	327
16	11	365	11	13	2550	90	26	4900	344
17	11	349	10	14	2940	111	24	4740	307
18	12	344	11	15	2390	97	24	5860	380
19	12	373	12	15	3300	134	24	5320	345
20	13	370	13	15	2000	81	25	6420	433
21	13	463	16	15	3980	161	30	7560	612
22	14	456	17	14	1970	74	29	6110	478
23	14	521	20	14	2230	84	30	10800	875
24	15	631	26	14	3010	114	26	4730	332
25	17	537	25	14	4140	156	27	6240	455
26	18	2070	101	16	6450	279	34	4740	435
27	18	616	30	18	8270	402	26	4870	342
28	17	765	35	20	9220	498	23	4370	271
29	16	960	41	---	---	---	19	3030	155
30	15	852	35	---	---	---	13	3260	114
31	14	649	25	---	---	---	39	10700	1130
TOTAL	402.5	---	557.8	363	---	2753	856	---	23469

TABLE 5.—CONTINUED

09308000 WILLOW CREEK NEAR OURAY, UTAH—CONTINUED

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	35	9500	898	23	3010	187	97	8820	2310
2	29	8000	626	23	3070	191	88	7990	1900
3	28	6620	500	24	5190	336	84	7930	1800
4	29	8250	646	30	7710	625	84	7330	1660
5	30	6720	544	44	9910	1180	82	6360	1410
6	31	5730	480	43	5650	656	74	8120	1620
7	36	5200	505	42	4550	516	76	6120	1260
8	32	4280	370	38	3910	401	80	6250	1350
9	27	3410	249	28	3250	246	88	5920	1410
10	26	3140	220	32	4510	390	84	4610	1050
11	26	3600	253	38	5760	591	80	5220	1130
12	26	4230	297	46	8450	1050	72	7090	1380
13	26	2510	176	58	10000	1570	63	4660	793
14	24	3440	223	54	8400	1220	56	4790	724
15	26	3990	280	59	11600	1850	52	6440	904
16	30	4340	352	57	8910	1370	51	5180	713
17	53	10400	1490	87	7910	1860	47	4420	561
18	42	12400	1410	104	8960	2520	48	3670	476
19	31	7310	612	90	12100	2940	49	4140	548
20	29	6330	496	95	10800	2770	51	5600	771
21	32	6620	572	113	13000	3970	55	3780	561
22	47	31500	4000	108	11700	3410	55	4610	685
23	59	10300	1640	93	11300	2840	52	4860	682
24	55	11200	1660	86	9620	2230	44	2770	329
25	59	10700	1700	79	8390	1790	40	1950	211
26	74	13900	2780	76	6950	1430	26	3030	213
27	65	13500	2370	81	7520	1640	29	1400	110
28	55	5480	814	99	9640	2580	28	1230	93
29	43	4310	500	120	11900	3860	26	975	68
30	26	3460	243	129	15800	5500	25	1140	77
31	---	---	---	109	10500	3090	---	---	---
TOTAL	1131	---	26906	2108	---	54809	1786	---	26799

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	22	1230	73	14	168	6.4	1.7	20	.09
2	20	886	48	10	139	3.8	1.1	7	.02
3	22	1710	102	11	700	21	.90	6	.01
4	21	1500	85	8.6	85	2.0	1.3	5	.02
5	23	9530	592	6.4	48	.83	1.5	10	.04
6	26	3000	211	5.6	51	.77	1.9	17	.09
7	24	1670	108	4.4	61	.72	1.7	6	.03
8	27	5400	394	3.0	30	.24	1.7	4	.02
9	30	5400	437	2.4	76	.49	1.9	2	.01
10	32	3380	292	2.2	33	.20	2.8	99	.75
11	32	3370	291	4.4	216	2.6	2.2	16	.10
12	36	4900	476	6.0	638	10	2.6	18	.13
13	34	12300	1130	7.2	566	11	7.6	713	15
14	43	10500	1220	7.2	580	11	12	1840	60
15	35	2580	244	9.7	166	4.3	11	480	14
16	48	13000	1680	11	193	5.7	6.0	195	3.2
17	49	11000	1460	10	150	4.1	4.8	157	2.0
18	43	2450	284	8.6	111	2.6	3.8	145	1.5
19	37	1760	176	7.6	95	1.9	3.6	138	1.3
20	30	1150	93	7.2	100	1.9	4.0	156	1.7
21	29	971	76	7.6	92	1.9	5.2	139	2.0
22	47	13900	1760	6.8	83	1.5	4.4	41	.49
23	30	1850	150	5.6	79	1.2	5.6	65	.98
24	21	1220	69	1.9	29	.15	5.2	20	.28
25	19	502	26	.95	60	.15	5.0	75	1.0
26	18	433	21	.90	47	.11	5.0	100	1.4
27	15	570	23	1.1	28	.08	5.0	106	1.4
28	16	808	35	1.0	37	.10	5.0	210	2.8
29	16	380	16	1.1	6	.02	5.0	204	2.8
30	18	500	24	1.4	35	.13	5.0	239	3.2
31	17	171	7.8	1.6	12	.05	---	---	---
TOTAL	880	---	11603.8	176.45	---	96.94	124.50	---	116.36
YEAR	8822.65		151860.2						

09308000 WILLOW CREEK NEAR OURAY, UTAH—CONTINUED

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	16	301	13	31	818	68	20	235	13
2	16	227	9.8	27	610	44	20	244	13
3	16	253	11	26	718	50	20	241	13
4	16	187	8.1	26	438	31	20	257	14
5	16	213	9.2	25	378	26	20	301	16
6	16	284	12	26	343	24	20	334	18
7	16	391	17	24	320	21	20	300	16
8	16	278	12	22	289	17	20	280	15
9	20	505	27	23	301	19	20	264	14
10	18	342	17	22	278	17	20	304	16
11	17	302	14	22	246	15	20	298	16
12	17	304	14	31	289	24	20	301	16
13	17	295	14	27	243	18	20	311	17
14	19	334	17	21	266	15	20	210	11
15	20	420	23	22	346	21	20	240	13
16	21	465	26	30	342	28	19	240	12
17	21	564	32	28	599	45	18	240	12
18	24	600	39	32	620	54	18	240	12
19	23	480	30	26	652	46	18	240	12
20	22	367	22	26	287	20	18	240	12
21	22	421	25	25	233	16	18	240	12
22	20	469	25	25	211	14	18	274	13
23	23	559	35	25	708	48	18	205	10
24	27	762	56	30	487	39	18	229	11
25	23	470	29	30	243	20	18	260	13
26	22	478	28	20	255	14	18	260	13
27	26	956	67	20	213	12	18	260	13
28	26	767	54	20	235	13	18	260	13
29	25	860	58	20	250	13	18	260	13
30	24	495	32	20	280	15	18	260	13
31	28	862	65	---	---	---	18	260	13
TOTAL	633	---	841.1	752	---	807	589	---	418

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	18	260	13	22	740	44	30	30300	2450
2	18	260	13	20	740	40	28	5960	451
3	18	260	13	20	740	40	22	2600	154
4	18	260	13	22	740	44	24	4820	312
5	18	260	13	22	740	44	22	2680	159
6	18	260	13	22	740	44	24	4000	259
7	18	260	13	20	740	40	28	5500	416
8	18	291	14	24	927	60	30	6800	551
9	18	443	22	26	890	62	30	8200	664
10	18	343	17	28	974	74	35	9560	903
11	18	387	19	28	900	68	38	10500	1080
12	18	381	19	24	854	55	42	11400	1290
13	18	371	18	22	869	52	48	12300	1590
14	18	415	20	24	1350	87	50	5060	683
15	18	359	17	26	1800	126	50	21800	2940
16	18	351	17	26	2270	159	50	27700	3740
17	18	361	18	24	2880	187	50	33600	4540
18	18	418	20	26	3670	258	50	30200	4080
19	18	434	21	26	3590	252	50	17000	2300
20	18	434	21	24	4190	272	49	13400	1770
21	22	454	27	20	2560	138	44	14800	1760
22	22	500	30	22	2080	124	44	6640	789
23	22	553	33	30	2180	177	43	8700	1010
24	22	545	32	30	4500	364	40	8710	941
25	22	740	44	28	6730	509	38	8000	821
26	22	740	44	30	6790	550	39	7290	768
27	20	740	40	36	5280	513	38	6600	677
28	22	740	44	34	15500	1420	39	6000	632
29	22	740	44	36	15400	1500	39	5300	558
30	22	740	44	---	---	---	39	4660	491
31	22	740	44	---	---	---	36	6100	593
TOTAL	600	---	760	742	---	7303	1189	---	39372

TABLE 5.—CONTINUED

09308000 WILLOW CREEK NEAR OURAY, UTAH—CONTINUED

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	36	6770	658	42	3620	411	27	1700	124
2	38	6550	672	42	3610	409	26	1000	70
3	39	6410	675	45	3880	471	26	800	56
4	42	7840	889	48	4130	535	26	674	47
5	47	8600	1090	49	4040	534	26	772	54
6	48	6320	819	51	3980	548	26	692	49
7	47	5630	714	60	6130	993	16	438	19
8	44	7310	868	60	7000	1130	3.8	331	3.4
9	43	5360	622	58	6660	1040	2.5	254	1.7
10	44	5460	649	55	4280	636	2.7	458	3.3
11	47	6100	774	49	4820	638	2.9	403	3.2
12	49	6740	892	45	3740	454	2.7	300	2.2
13	52	8700	1220	44	3240	385	2.0	288	1.6
14	47	8200	1040	36	2750	267	2.5	390	2.6
15	46	6700	832	35	3170	300	8.0	412	8.9
16	44	5300	630	35	3250	307	4.8	366	4.7
17	42	3970	450	37	2130	213	5.2	688	9.7
18	40	4050	437	37	2350	235	8.0	667	14
19	40	3110	336	36	2360	229	11	696	21
20	37	2740	274	35	2560	242	9.1	1880	46
21	35	2620	248	36	2860	278	7.6	422	8.7
22	33	2920	260	43	3640	423	3.8	298	3.1
23	35	5840	552	47	3710	471	7.2	520	10
24	36	3010	293	44	3560	423	11	476	14
25	42	5920	671	40	2510	271	8.0	447	9.7
26	49	4530	599	37	1970	197	8.6	358	8.3
27	48	3700	480	36	2120	206	7.2	418	8.1
28	39	3030	319	30	1560	126	9.1	315	7.7
29	39	3090	325	28	1740	132	8.0	232	5.0
30	42	4280	485	27	1590	116	4.8	240	3.1
31	---	---	---	27	1470	107	---	---	---
TOTAL	1270	---	18773	1294	---	12727	313.5	---	619.0

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	4.8	321	4.2	15	2600	105	.91	74	.18
2	4.0	288	3.1	5.0	2590	35	1.1	74	.22
3	3.6	223	2.2	2.0	603	3.3	.83	59	.13
4	5.2	268	3.8	1.2	431	1.4	.83	60	.13
5	4.8	260	3.4	.60	299	.48	.35	54	.05
6	4.0	262	2.8	.30	80	.06	.15	57	.02
7	3.8	248	2.5	.15	49	.02	.45	59	.07
8	5.2	412	5.8	.06	61	.01	.30	55	.04
9	4.8	90	1.2	.15	41	.02	2.9	285	2.2
10	3.6	79	.77	.10	37	.01	3.3	280	2.5
11	1.2	81	.26	.02	75	0	3.6	270	2.6
12	.91	29	.07	.15	67	.03	3.6	325	3.2
13	2.9	69	.54	.40	85	.09	3.3	285	2.5
14	1.4	91	.34	1.0	97	.26	2.9	287	2.2
15	1.4	83	.31	.40	61	.07	5.2	272	3.8
16	1.4	58	.22	.06	45	.01	3.8	188	1.9
17	1.2	131	.42	.35	60	.06	3.6	185	1.8
18	.83	38	.09	.20	69	.04	1.4	226	.85
19	.68	31	.06	0	---	0	1.2	243	.79
20	.55	21	.03	.30	77	.06	.91	228	.56
21	.83	66	.15	.01	40	0	1.2	264	.86
22	.60	27	.04	0	---	0	1.8	280	1.4
23	.55	70	.10	.05	46	.01	.60	192	.31
24	.40	50	.05	.05	41	.01	.83	200	.45
25	.35	33	.03	0	---	0	1.8	1090	5.3
26	11	32700	971	0	---	0	7.2	1110	22
27	4.8	3810	49	0	---	0	7.2	477	9.3
28	3.1	1090	9.1	.13	40	.01	5.2	264	3.7
29	1.2	526	1.7	.75	50	.10	5.2	298	4.2
30	.83	324	.73	1.1	50	.15	5.2	268	3.8
31	1.0	356	.96	.75	44	.09	---	---	---
TOTAL	80.93	---	1064.97	30.28	---	146.29	76.86	---	77.06
YEAR	7570.57		82908.42						

TABLE 6.--WATER-QUALITY AND STREAMFLOW DATA AT PARTIAL-RECORD STATIONS

09306408 WEST EVACUATION CREEK NEAR DRAGON, UTAH

LOCATION.--LAT 39 41 30 , LONG 108 59 54 , IN NW1/4 SW1/4 SE1/4 SEC. 19, T.4 S., R.103 W., RIO BLANCO COUNTY, COLO., ON LEFT BANK 1.7 MILES (2.7 KM) UPSTREAM FROM EAST FORK AND 7.7 MILES (12.4 KM) SOUTHEAST OF DRAGON.

DRAINAGE AREA.--15.7 MI2 (40.7 KM2).

GAGE.--STAFF GAGE. ALTITUDE OF GAGE IS 6,280 FT (1,914 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
DEC , 1974										
26...	1050	(*)	.0	3400	8.1	--	20	200	180	390
MAR , 1975										
31...	1215	.27	.5	2100	8.4	10.4	12	110	110	240
MAY										
19...	1305	.14	21.5	1750	8.3	--	12	94	120	270
JUL										
21...	1500	.20	23.0	2100	--	--	15	90	120	260
SEP										
15...	1545	.32	15.5	2220	--	--	14	120	120	270
DEC										
04...	1230	.25	.0	2300	--	--	14	120	110	270
FEB , 1976										
19...	1230	1.0	.5	1850	--	--	--	--	--	--
SEP										
08...	1045	.26	7.5	2400	7.9	9.0	12	100	130	260

* NO DISCHARGE MEASUREMENT MADE DUE TO ICE CONDITIONS.

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
DEC , 1974										
26...	5.4	763	--	1300	25	.2	.08	.04	2500	--
MAR , 1975										
31...	2.6	445	0	820	15	.2	2.2	.01	1540	1.12
MAY										
19...	3.7	412	0	870	17	.2	.00	.02	1590	.60
JUL										
21...	3.1	388	--	890	15	.2	.01	.00	1580	.87
SEP										
15...	5.8	467	--	880	16	.2	--	.01	1660	1.47
DEC										
04...	2.7	546	--	840	15	.3	.01	.02	1640	1.11
FEB , 1976										
19...	--	--	--	--	--	--	--	--	--	--
SEP										
08...	2.4	427	0	910	18	.3	.07	.01	1640	1.15

DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
DEC , 1974										
26...	3.40	626	1200	610	41	4.8	140	--	10	40
MAR , 1975										
31...	2.09	365	730	360	42	3.9	90	--	--	--
MAY										
19...	2.16	338	730	390	44	4.4	90	--	70	10
JUL										
21...	2.15	318	720	400	44	4.2	110	--	0	0
SEP										
15...	2.26	383	790	410	42	4.2	100	9	250	10
DEC										
04...	2.23	448	750	300	44	4.3	130	--	0	10
FEB , 1976										
19...	--	--	--	--	--	--	--	--	--	--
SEP										
08...	2.23	350	790	430	42	4.0	90	--	30	10

09306409 EAST EVACUATION CREEK NEAR DRAGON, UTAH

LOCATION.--LAT 39 42 29 , LONG 109 00 03 , IN SE1/4 NE1/4 SW1/4 SEC. 18, T.4 S., R.103 W., RIO BLANCO COUNTY, COLO., 0.4 MILE (0.6 KM) UPSTREAM FROM WEST FORK EVACUATION CREEK AND 6.5 MILES (10.5 KM) SOUTHEAST OF DRAGON, UTAH.

DRAINAGE AREA.--22.6 MI2 (58.5 KM2).

GAGE.--STAFF GAGE. ALTITUDE OF GAGE IS 6,160 FT (1,878 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
MAR , 1975										
31...	1330	.04	9.0	5200	8.2	8.4	9.3	140	190	740
MAY										
19...	1500	1.6	21.5	2125	8.3	--	13	89	110	300

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
MAR , 1975										
31...	6.6	656	0	2100	1.4	.2	.35	.01	3510	.38
MAY										
19...	5.9	567	0	830	11	.4	.01	.01	1640	7.35

DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
MAR , 1975									
31...	4.77	538	1100	590	59	9.6	260	--	--
MAY									
19...	2.23	465	680	210	49	5.0	120	50	20

TABLE 6.—CONTINUED

09306413 MISSOURI CREEK AT MOUTH, NEAR DRAGON, UTAH

LOCATION.--LAT 39 48 20 , LONG 109 04 22 , IN NW1/4 NW1/4 SW1/4 SEC. 1, T.12 S., R.25 E., UINTAH COUNTY, 0.4 MILE (0.6 KM) UPSTREAM FROM MOUTH AND 1.2 MILES (1.9 KM) NORTH OF DRAGON.

DRAINAGE AREA.--90.4 MI2 (234.1 KM2).

GAGE.--STAFF GAGE. ALTITUDE OF GAGE IS 5,670 FT (1,728 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
DEC , 1974										
26...	1345	(*)	.0	3700	8.0	--	15	140	160	860
MAR , 1975										
31...	1015	.14	5.0	3800	7.8	9.6	10	110	130	650
MAY										
19...	1145	.10	21.0	3500	8.2	--	12	110	120	670
JUL										
21...	1600	.01	24.0	3800	--	--	15	130	100	700
SEP										
15...	1245	.39	22.5	710	--	--	6.0	44	14	97
DEC										
04...	1030	.70	1.0	3200	--	--	9.9	110	110	630
FEB , 1976										
19...	1420	.11	5.0	3250	--	--	--	--	--	--
AUG										
19...	--	.00	--	--	--	--	--	--	--	--
SEP										
09...	--	.00	--	--	--	--	--	--	--	--

* NO DISCHARGE MEASUREMENT MADE DUE TO ICE CONDITIONS.

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
DEC , 1974										
26...	3.8	811	--	2100	37	1.1	.40	.03	3720	--
MAR , 1975										
31...	5.6	637	0	1600	26	.9	.12	.01	2850	1.08
MAY										
19...	3.6	617	0	1600	28	1.1	.05	.01	2850	.84
JUL										
21...	8.4	557	--	1700	30	1.0	.01	.00	2960	.08
SEP										
15...	6.7	141	--	280	14	.5	--	.01	532	.56
DEC										
04...	2.7	627	--	1500	25	.8	.14	.02	2700	5.10
FEB , 1976										
19...	--	--	--	--	--	--	--	--	--	--
AUG										
19...	--	--	--	--	--	--	--	--	--	--
SEP										
09...	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
DEC , 1974										
26...	5.06	665	1000	340	65	12	160	--	30	240
MAR , 1975										
31...	3.88	522	810	290	63	9.9	120	--	40	180
MAY										
19...	3.88	506	770	260	65	11	140	--	40	90
JUL										
21...	4.03	457	740	280	67	11	150	--	50	60
SEP										
15...	.72	116	170	52	55	3.3	170	41	270	20
DEC										
04...	3.67	514	730	210	65	10	120	--	0	260
FEB , 1976										
19...	--	--	--	--	--	--	--	--	--	--
AUG										
19...	--	--	--	--	--	--	--	--	--	--
SEP										
09...	--	--	--	--	--	--	--	--	--	--

TABLE 6.—CONTINUED

09306720 WHITE RIVER ABOVE BITTER CREEK NEAR BONANZA, UTAH

LOCATION.--LAT 39 58 11 , LONG 109 24 38 , IN NW1/4 NE1/4 NW1/4 SEC. 11, T.10 S., R.22 E., UINTAH COUNTY, 0.1 MILE (0.2 KM) UPSTREAM FROM BITTER CREEK AND 13 MILES (21 KM) WEST OF BONANZA.

DRAINAGE AREA.--4,190 MI2 (10,850 KM2), APPROXIMATELY.

GAGE.--STAFF GAGE. ALTITUDE OF GAGE IS 4,760 FT (1,451 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
DEC , 1974								
27...	1550	.0	850	8.3	17	87	36	92

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)
DEC , 1974									
27...	2.7	304	220	47	.3	.53	.02	654	.89

DATE	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
DEC , 1974								
27...	249	370	120	35	2.1	110	40	20

09306743 BITTER CREEK ABOVE RAT HOLE CANYON, NEAR BONANZA, UTAH

LOCATION.--LAT 39 35 28 , LONG 109 10 01 , IN NE1/4 NW1/4 NW1/4 SEC. 19, T.14 S., R.25 E., UINTAH COUNTY, 0.2 MILE (0.3 KM) UPSTREAM FROM RAT HOLE CANYON AND 30 MILES (48 KM) SOUTH OF BONANZA.

DRAINAGE AREA.--51.3 MI2 (132.9 KM2).

GAGE.--STAFF GAGE. ALTITUDE OF GAGE IS 6,400 FT (1,951 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
NOV , 1974										
18...	1615	1.4	2.0	680	6.8	--	19	79	47	79
AUG , 1975										
13...	1345	3.3	15.0	980	8.0	--	17	100	39	59
JUL , 1976										
23...	1100	2.9	16.0	1050	8.3	8.6	17	100	55	53
SEP										
16...	1045	2.3	12.5	1120	--	--	--	--	--	--

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
NOV , 1974										
18...	2.1	301	--	290	9.1	.2	.00	.07	674	2.66
AUG , 1975										
13...	2.5	303	0	290	5.9	.3	.30	.00	665	6.03
JUL , 1976										
23...	1.3	299	0	310	5.4	.2	.15	.01	690	5.46
SEP										
16...	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
NOV , 1974									
18...	.92	247	390	140	30	1.7	40	40	0
AUG , 1975									
13...	.90	249	410	160	24	1.3	30	40	30
JUL , 1976									
23...	.94	245	480	230	19	1.1	40	40	50
SEP									
16...	--	--	--	--	--	--	--	--	--

09306745 RAT HOLE CANYON CREEK ABOVE BITTER CREEK NEAR BONANZA, UTAH

LOCATION.--LAT 39 35 37 , LONG 109 09 54 , IN SE1/4 SW1/4 SW1/4 SEC. 18, T.14 S., R.25 E., UINTAH COUNTY, 0.1 MILE (0.2 KM) UPSTREAM FROM MOUTH AND 30 MILES (48 KM) SOUTH OF BONANZA.

DRAINAGE AREA.--25.4 MI2 (65.8 KM2).

GAGE.--STAFF GAGE. ALTITUDE OF GAGE IS 6,400 FT (1,951 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
NOV , 1974										
18...	1705	.34	4.0	695	6.8	--	16	140	71	85
AUG , 1975										
13...	1200	.34	15.5	800	8.0	--	17	63	47	55
JUL , 1976										
23...	1000	1.3	14.5	860	8.2	9.0	20	75	47	58
AUG										
10...	0930	1.3	11.5	850	--	8.2	--	--	--	--
SEP										
16...	1020	.69	11.5	760	--	--	--	--	--	--

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
NOV , 1974										
18...	1.9	294	--	520	9.9	.2	.01	.01	989	--
AUG , 1975										
13...	1.6	277	0	240	6.8	.3	.02	.00	567	.52
JUL , 1976										
23...	1.4	282	0	220	8.4	.2	.19	.01	570	2.00
AUG										
10...	--	--	--	--	--	--	--	--	--	--
SEP										
16...	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
NOV , 1974									
18...	1.35	241	640	400	22	1.5	40	50	30
AUG , 1975									
13...	.77	227	350	120	25	1.3	40	60	0
JUL , 1976									
23...	.78	231	380	150	25	1.3	30	10	10
AUG									
10...	--	--	--	--	--	--	--	--	--
SEP									
16...	--	--	--	--	--	--	--	--	--

TABLE 6.—CONTINUED

09306750 BITTER CREEK ABOVE PETE CANYON, NEAR BONANZA, UTAH

LOCATION.--LAT 39 41 34 , LONG 109 16 47 , IN NW1/4 NW1/4 NW1/4 SEC. 18, T.13 S., R.24 E., UINTAH COUNTY, 150 FT (46 M) UPSTREAM FROM PETE CANYON AND 23 MILES (37 KM) SOUTH OF BONANZA.

DRAINAGE AREA.--139 MI2 (360 KM2).

GAGE.--STAFF GAGE. ALTITUDE OF GAGE IS 5,880 FT (1,792 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
NOV , 1974										
19...	1415	.91	3.5	2200	--	12	280	210	350	6.6
DEC										
27...	1200	.71	.0	--	--	--	--	--	--	--
MAY , 1975										
20...	1230	2.8	11.0	5000	7.6	.9	370	330	420	7.5
JUL										
21...	1240	.01	19.0	2500	--	16	200	150	200	4.5
AUG , 1976										
12...	1830	.21	15.0	5000	--	--	--	--	--	--

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
NOV , 1974									
19...	532	--	1700	30	.3	.03	.02	2850	7.00
DEC									
27...	--	--	--	--	--	--	--	--	--
MAY , 1975									
20...	633	0	2500	37	.8	.00	.03	3980	30.2
JUL									
21...	478	--	1100	18	.4	.01	.00	1920	.05
AUG , 1976									
12...	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
NOV , 1974									
19...	3.88	436	1600	1100	33	3.9	230	80	140
DEC									
27...	--	--	--	--	--	--	--	--	--
MAY , 1975									
20...	5.41	519	2300	1800	29	3.8	540	120	380
JUL									
21...	2.61	392	1100	730	28	2.6	210	0	60
AUG , 1976									
12...	--	--	--	--	--	--	--	--	--

TABLE 6.—CONTINUED

09306790 BITTER CREEK BELOW SWEETWATER CANYON, NEAR BONANZA, UTAH

LOCATION.--LAT 39 43 30 , LONG 109 20 47 , IN NW1/4 SW1/4 SE1/4 SEC. 33, T.12 S., R.23 E., UINTAH COUNTY, 0.9 MILE (1.4 KM) DOWNSTREAM FROM SWEETWATER CANYON AND 22 MILES (35 KM) SOUTHWEST OF BONANZA.

DRAINAGE AREA.--315 MI2 (816 KM2).

GAGE.--STAFF GAGE. ALTITUDE OF GAGE IS 5,660 FT (1,725 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
DEC , 1974										
27...	1230	.71	.0	8200	7.5	--	14	410	630	920
MAY , 1975										
20...	0930	3.0	9.0	5800	8.2	--	11	380	480	620
AUG										
14...	1050	1.6	16.5	5240	7.6	--	12	320	450	600
NOV										
25...	1330	1.5	4.0	5500	--	--	12	380	410	660
JUL , 1976										
19...	1730	3.3	23.5	4300	8.1	8.1	13	290	300	470
AUG										
11...	1120	.53	16.0	4700	7.9	--	--	--	--	--
SEP										
08...	1120	.47	11.5	7500	8.2	8.8	--	--	--	--

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
DEC , 1974										
27...	9.0	673	--	4900	80	1.3	1.9	.04	7310	14.0
MAY , 1975										
20...	8.3	610	0	3500	55	.8	1.7	.04	5370	44.2
AUG										
14...	11	573	0	3200	51	1.0	1.0	.00	4930	21.3
NOV										
25...	8.2	571	--	3300	53	.8	1.2	.02	5110	21.2
JUL , 1976										
19...	8.1	460	0	2400	36	.6	.20	.02	3750	33.9
AUG										
11...	--	--	--	--	--	--	--	--	--	--
SEP										
08...	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
DEC , 1974									
27...	9.94	552	3600	3100	36	6.7	2500	40	460
MAY , 1975									
20...	7.30	500	2900	2400	32	5.0	1200	60	190
AUG									
14...	6.70	470	2700	2200	33	5.1	1500	100	60
NOV									
25...	6.95	468	2600	2200	35	5.6	1300	30	80
JUL , 1976									
19...	5.10	377	2000	1600	34	4.6	840	20	40
AUG									
11...	--	--	--	--	--	--	--	--	--
SEP									
08...	--	--	--	--	--	--	--	--	--

09306820 BITTER CREEK ABOVE BUCK CAMP CANYON, NEAR BONANZA, UTAH

LOCATION.--LAT 39 48 55 , LONG 109 24 41 , IN NW1/4 NW1/4 SW1/4 SEC. 36, T.11 S., R.22 E., UINTAH COUNTY, ON LEFT BANK 1.6 MILES (2.16 KM) UPSTREAM FROM BUCK CAMP CANYON AND 19 MILES (31 KM) SOUTHWEST OF BONANZA.

DRAINAGE AREA.--358 MI2 (927 KM2), APPROXIMATELY.

GAGE.--STAFF GAGE. ALTITUDE OF GAGE IS 5,360 FT (1,634 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
DEC , 1974										
17...	1400	.00	--	--	--	--	--	--	--	--
MAY , 1975										
19...	1810	3.2	19.0	7500	8.4	--	.5	350	540	980
AUG										
14...	1245	.54	20.5	6100	6.9	--	8.4	240	400	900
NOV										
25...	1530	.00	--	--	--	--	--	--	--	--
JUL , 1976										
20...	1020	1.6	21.0	6580	8.1	8.0	6.2	290	440	900
AUG										
11...	1435	.00	--	--	--	--	--	--	--	--
SEP										
08...	1355	.00	--	--	--	--	--	--	--	--

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
DEC , 1974										
17...	--	--	--	--	--	--	--	--	--	--
MAY , 1975										
19...	11	480	0	4700	84	.9	.00	.02	6910	59.9
AUG										
14...	18	277	0	3700	82	1.2	3.5	.00	5500	8.02
NOV										
25...	--	--	--	--	--	--	--	--	--	--
JUL , 1976										
20...	14	471	0	3700	65	.7	4.6	.01	5670	24.8
AUG										
11...	--	--	--	--	--	--	--	--	--	--
SEP										
08...	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
DEC , 1974									
17...	--	--	--	--	--	--	--	--	--
MAY , 1975									
19...	9.40	394	3100	2700	41	7.7	2700	80	80
AUG									
14...	7.48	227	2200	2000	46	8.3	2800	80	30
NOV									
25...	--	--	--	--	--	--	--	--	--
JUL , 1976									
20...	7.71	386	2500	2200	43	7.8	2500	40	30
AUG									
11...	--	--	--	--	--	--	--	--	--
SEP									
08...	--	--	--	--	--	--	--	--	--

TABLE 6.—CONTINUED

09306830 BITTER CREEK BELOW BUCK CAMP CANYON, NEAR BONANZA, UTAH

LOCATION.--LAT 39 51 42 , LONG 109 25 06 , IN SE1/4 SW1/4 NE1/4 SEC. 14, T.11 S., R.22 E., UINTAH COUNTY, ON RIGHT BANK 3.5 MILES (5.6 KM) DOWNSTREAM FROM BUCK CAMP CANYON AND 17 MILES (27 KM) SOUTHWEST OF BONANZA.

DRAINAGE AREA.--375 MI2 (971 KM2).

GAGE.--STAFF GAGE. ALTITUDE OF GAGE IS 5,190 FT (1,582 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
DEC , 1974										
27...	1425	.00	--	--	--	--	--	--	--	--
MAY , 1975										
19...	1700	1.7	19.5	8340	8.2	--	.1	340	660	1100
AUG										
14...	--	.00	--	--	--	--	--	--	--	--
NOV										
25...	1600	.00	--	--	--	--	--	--	--	--
JUL , 1976										
20...	1210	1.1	28.0	7660	8.5	5.6	6.5	330	530	1100
AUG										
11...	1450	.00	--	--	--	--	--	--	--	--
SEP										
08...	1410	.00	--	--	--	--	--	--	--	--

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
DEC , 1974										
27...	--	--	--	--	--	--	--	--	--	--
MAY , 1975										
19...	12	451	0	5100	92	.9	.17	.02	7530	35.4
AUG										
14...	--	--	--	--	--	--	--	--	--	--
NOV										
25...	--	--	--	--	--	--	--	--	--	--
JUL , 1976										
20...	18	424	0	5100	69	.7	1.4	.02	7370	21.9
AUG										
11...	--	--	--	--	--	--	--	--	--	--
SEP										
08...	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
DEC , 1974									
27...	--	--	--	--	--	--	--	--	--
MAY , 1975									
19...	10.2	370	3600	3200	40	8.0	2800	50	30
AUG									
14...	--	--	--	--	--	--	--	--	--
NOV									
25...	--	--	--	--	--	--	--	--	--
JUL , 1976									
20...	10.0	348	3000	2700	44	8.7	3100	30	30
AUG									
11...	--	--	--	--	--	--	--	--	--
SEP									
08...	--	--	--	--	--	--	--	--	--

09306874 WHITE RIVER BELOW SAND WASH, NEAR OURAY, UTAH

LOCATION.--LAT 40 02 18 , LONG 109 27 29 , IN NW1/4 SE1/4 NE1/4 SEC. 17, T.9 S., R.22 E., UINTAH COUNTY, UINTAH AND OURAY INDIAN RESERVATION, 1.8 MILES (2.9 KM) DOWNSTREAM FROM SAND WASH AND 12 MILES (19 KM) SOUTHEAST OF OURAY.

DRAINAGE AREA.--4,690 MI2 (12,150 KM2), APPROXIMATELY.

GAGE.--STAFF GAGE. ALTITUDE OF GAGE IS 4,710 FT (1,436 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
DEC , 1974									
24...	0930	(*)	1.0	875	7.6	15	73	29	80
MAR , 1975									
26...	1300	463	4.5	--	--	--	--	--	--
SEP , 1976									
08...	1400	240	20.0	975	--	8.7	64	34	100

* NO DISCHARGE MEASUREMENT MADE DUE TO ICE CONDITIONS.

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
DEC , 1974									
24...	2.2	268	190	42	.3	.53	.02	566	--
MAR , 1975									
26...	--	--	--	--	--	--	--	--	--
SEP , 1976									
08...	2.4	227	270	52	.3	.01	.05	644	417

DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
DEC , 1974									
24...	.77	220	300	82	36	2.0	100	10	0
MAR , 1975									
26...	--	--	--	--	--	--	--	--	--
SEP , 1976									
08...	.88	186	300	110	42	2.5	170	110	0

TABLE 6.—CONTINUED

09307530 WILLOW CREEK ABOVE BUCK CANYON, NEAR OURAY, UTAH

LOCATION.--LAT 39 42 57 , LONG 109 33 05 , IN SW1/4 SW1/4 NE1/4 SEC. 3, T.13 S., R.21 E., UINTAH COUNTY, 0.3 MILE (0.5 KM) UPSTREAM FROM BUCK CANYON AND 27 MILES (43 KM) SOUTH OF OURAY.

DRAINAGE AREA.--489 MI2 (1,267 KM2).

GAGE.--STAFF GAGE. ALTITUDE OF GAGE IS 5,480 FT (1,670 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
NOV , 1974										
29...	1025	5.3	.0	990	8.1	17	92	57	88	2.6
MAY , 1975										
07...	0900	39	5.5	800	7.8	14	82	38	53	2.4
JUL										
28...	1510	19	24.5	780	--	16	76	37	54	2.6
SEP										
17...	1450	9.9	19.5	1150	--	17	89	55	99	4.0
DEC										
09...	1130	15	.0	800	--	15	78	42	58	1.9
AUG , 1976										
05...	1520	7.9	24.0	1080	7.6	16	53	56	93	3.0
SEP										
13...	1345	4.0	20.5	2100	8.1	--	--	--	--	--

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
NOV , 1974										
29...	455	--	240	9.3	.3	.23	--	.02	732	10.4
MAY , 1975										
07...	311	0	180	7.5	.2	.13	--	.02	531	56.1
JUL										
28...	339	--	170	4.8	.3	.05	--	.04	528	26.8
SEP										
17...	393	--	320	14	.3	--	--	.04	792	21.4
DEC										
09...	377	--	170	6.3	.3	.16	--	.04	558	23.1
AUG , 1976										
05...	305	0	280	12	.4	.19	.12	.05	665	14.3
SEP										
13...	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
NOV , 1974										
29...	1.00	373	460	91	29	1.8	150	--	--	--
MAY , 1975										
07...	.72	255	360	110	24	1.2	60	--	60	5
JUL										
28...	.72	278	340	64	25	1.3	80	--	50	0
SEP										
17...	1.08	322	450	130	32	2.0	100	24	80	10
DEC										
09...	.76	309	370	58	25	1.3	60	--	10	0
AUG , 1976										
05...	.90	250	360	110	36	2.1	110	--	130	10
SEP										
13...	--	--	--	--	--	--	--	--	--	--

09307560 WILLOW CREEK BELOW AGENCY DRAW, NEAR OURAY, UTAH

LOCATION.--LAT 39 48 25 , LONG 109 36 49 , IN SW1/4 NE1/4 NW1/4 SEC. 6, T.12 S., R.21 E., UINTAH COUNTY, 3.1 MILES (5.0 KM) DOWNSTREAM FROM AGENCY DRAW AND 20 MILES (32 KM) SOUTH OF OURAY.

DRAINAGE AREA.--560 MI2 (1,450 KM2).

GAGE.--STAFF GAGE. ALTITUDE OF GAGE IS 5,180 FT (1,579 M) FROM TOPOGRAPHIC MAP.

WATER QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
NOV , 1974										
29...	1210	5.4	.0	1950	8.3	18	98	84	240	3.4
MAY , 1975										
07...	1305	33	7.0	1050	8.3	15	82	44	80	2.6
SEP										
16...	1315	4.8	20.0	2050	--	18	100	86	260	4.3
DEC										
09...	1400	17	.0	1000	--	15	80	52	100	2.2
AUG , 1976										
05...	1550	2.6	26.0	2570	7.5	17	54	100	370	5.1
SEP										
13...	1440	3.0	21.0	1900	8.3	--	--	--	--	--

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)
NOV , 1974										
29...	583	--	540	25	.7	.40	.07	1300	18.8	1.77
MAY , 1975										
07...	354	0	230	9.1	.3	.46	.05	640	57.4	.87
SEP										
16...	493	--	730	36	.7	--	.05	1480	19.2	2.01
DEC										
09...	404	--	290	12	.4	.23	.05	753	34.8	1.02
AUG , 1976										
05...	595	0	830	38	1.1	.13	.07	1710	12.0	2.33
SEP										
13...	--	--	--	--	--	--	--	--	--	--

DATE	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
NOV , 1974									
29...	478	590	110	47	4.3	2000	--	50	8
MAY , 1975									
07...	290	390	96	31	1.8	350	--	20	5
SEP									
16...	404	600	200	48	4.6	1800	8	20	30
DEC									
09...	331	410	82	34	2.1	650	--	0	10
AUG , 1976									
05...	488	550	58	59	6.9	3100	--	140	40
SEP									
13...	--	--	--	--	--	--	--	--	--

TABLE 6.—CONTINUED

09307580 WILLOW CREEK ABOVE BROOME CANYON, NEAR OURAY, UTAH

LOCATION.--LAT 39 51 15 , LONG 109 37 18 , IN SW1/4 SE1/4 SE1/4 SEC. 13, T.11 S., R.20 E., UINTAH COUNTY, 0.5 MILE (0.8 KM) UPSTREAM FROM BROOME CANYON AND 16 MILES (26 KM) SOUTH OF OURAY.

DRAINAGE AREA.--569 MI2 (1,474 KM2).

GAGE.--STAFF GAGE. ALTITUDE OF GAGE IS 5,060 FT (1,542 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
NOV , 1974										
29...	1330	5.6	.0	1875	8.6	17	90	77	240	3.6
MAY , 1975										
07...	1500	30	9.0	1125	7.8	15	83	44	99	4.0
SEP										
07...	1135	3.9	17.0	2500	--	18	95	100	360	4.6
DEC										
09...	1600	20	.0	1000	--	15	76	53	120	2.3
AUG , 1976										
05...	1600	.51	26.0	4010	8.0	9.2	81	160	750	9.8
SEP										
13...	1525	9.7	22.0	1400	8.3	--	--	--	--	--

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)
NOV , 1974										
29...	549	0	520	24	.5	.41	.05	1250	19.0	1.70
MAY , 1975										
07...	362	0	260	12	.3	.00	.27	697	56.1	.95
SEP										
07...	611	--	880	40	.7	--	.07	1800	19.1	2.45
DEC										
09...	419	--	290	13	.3	.22	.05	778	42.9	1.06
AUG , 1976										
05...	805	0	1700	70	1.0	.01	.03	3180	4.38	4.32
SEP										
13...	--	--	--	--	--	--	--	--	--	--

DATE	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
NOV , 1974									
29...	450	540	91	49	4.5	1600	--	40	0
MAY , 1975									
07...	297	390	91	35	2.2	470	--	70	5
SEP									
07...	501	650	150	54	6.2	2400	8	30	40
DEC									
09...	344	410	64	39	2.6	610	--	20	10
AUG , 1976									
05...	660	860	200	65	11	4700	--	100	20
SEP									
13...	--	--	--	--	--	--	--	--	--

TABLE 6.—CONTINUED

09307600 WILLOW CREEK ABOVE HILL CREEK NEAR OURAY, UTAH.

LOCATION.--LAT 39 55 19 , LONG 109 39 25 , IN NE1/4 SW1/4 NW1/4 SEC. 27, T.10 S., R.20 E., UINTAH COUNTY, 0.2 MILE (0.3 KM) UPSTREAM FROM HILL CREEK AND 12 MILES (19 KM) SOUTH OF OURAY.

DRAINAGE AREA.--589 MI2 (1,526 KM2).

GAGE.--STAFF GAGE.--ALTITUDE OF GAGE IS 4,870 FT (1,484 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
NOV , 1974										
29...	1505	7.2	.0	2000	8.7	17	76	88	260	3.2
MAY , 1975										
06...	1545	38	9.5	1000	8.1	13	75	44	95	2.9
JUL										
28...	0950	13	18.0	1650	--	17	79	75	220	4.2
SEP										
17...	1050	4.7	13.5	2480	--	16	88	100	370	4.9
DEC										
10...	1150	21	.0	1200	--	15	79	56	160	2.4
AUG , 1976										
05...	1500	.48	26.0	4030	8.0	8.8	77	160	760	10

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)
NOV , 1974										
29...	576	0	600	27	.6	.38	.04	1360	26.7	1.85
MAY , 1975										
06...	346	0	250	11	.3	.17	.02	663	69.1	.90
JUL										
28...	427	--	570	25	.5	.25	.02	1200	42.8	1.63
SEP										
17...	578	--	870	40	.7	--	.02	1780	23.0	2.42
DEC										
10...	452	--	370	17	.5	.23	.05	925	52.7	1.26
AUG , 1976										
05...	800	0	1800	71	1.0	.00	.03	3290	4.26	4.47

DATE	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
NOV , 1974									
29...	472	550	80	50	4.8	1600	--	60	8
MAY , 1975									
06...	284	370	85	36	2.2	450	--	40	10
JUL									
28...	350	510	160	48	4.3	1600	--	30	0
SEP									
17...	474	630	160	56	6.4	2400	7	40	10
DEC									
10...	371	430	57	45	3.4	980	--	10	0
AUG , 1976									
05...	656	850	190	66	11	4700	--	200	20

TABLE 6.—CONTINUED

09307820 HILL CREEK BELOW GREEN CANYON, NEAR OURAY, UTAH

LOCATION.--LAT 39 42 53 , LONG 109 43 47 , IN NE1/4 NE1/4 SE1/4 SEC. 1, T.13 S., R.19 E., UINTAH COUNTY, 1.0 MILE (1.6 KM) DOWNSTREAM FROM GREEN CANYON AND 26 MILES (42 KM) SOUTH OF OURAY.

DRAINAGE AREA.--222 MI2 (575 KM2).

GAGE.--STAFF GAGE. ALTITUDE OF GAGE IS 5,660 FT (1,725 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
NOV , 1974										
27...	1205	2.3	.0	1125	8.5	18	90	61	70	3.8
MAY , 1975										
05...	1300	11	6.5	780	7.9	14	72	46	41	2.7
JUL										
28...	1245	8.3	22.0	700	--	15	55	41	38	2.5
SEP , 1976										
12...	--	.00	--	--	--	--	--	--	--	--

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
NOV , 1974									
27...	464	0	200	15	.4	.75	.02	691	4.24
MAY , 1975									
05...	393	0	120	8.9	.3	.14	.03	500	15.0
JUL									
28...	349	--	96	6.4	.4	.06	.01	427	9.62
SEP , 1976									
12...	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
NOV , 1974									
27...	.94	381	480	95	24	1.4	390	50	8
MAY , 1975									
05...	.68	322	370	47	19	.9	120	180	40
JUL									
28...	.58	286	310	20	21	.9	130	30	10
SEP , 1976									
12...	--	--	--	--	--	--	--	--	--

09307850 HILL CREEK BELOW JOHNSON DRAW, NEAR OURAY, UTAH

LOCATION.--LAT 39 47 46 , LONG 109 44 59 , IN SE1/4 SE1/4 SE1/4 SEC. 2, T.12 S., R.19 E., UINTAH COUNTY, UINTAH AND OURAY INDIAN RESERVATION, 2.8 MILES (4.5 KM) DOWNSTREAM FROM JOHNSON DRAW AND 20 MILES (32 KM) SOUTH OF OURAY.

DRAINAGE AREA.--253 MI2 (655 KM2).

GAGE.--STAFF GAGE. ALTITUDE OF GAGE IS 5,390 FT (1,643 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
NOV , 1974										
27...	1320	(*)	.0	1290	8.7	21	76	79	110	5.2
MAY , 1975										
05...	1615	12	9.0	800	8.3	15	67	47	51	3.1
AUG , 1976										
05...	1400	7.9	25.0	898	7.8	19	73	47	65	5.5
SEP										
12...	--	.00	--	--	--	--	--	--	--	--

* NO DISCHARGE MEASUREMENT MADE.

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
NOV , 1974									
27...	529	0	270	15	.6	.52	.02	841	--
MAY , 1975									
05...	391	0	140	9.7	.4	.05	.03	527	17.1
AUG , 1976									
05...	386	0	160	12	.5	.01	.03	573	12.2
SEP									
12...	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
NOV , 1974									
27...	1.14	434	520	81	31	2.1	500	40	8
MAY , 1975									
05...	.72	321	360	40	23	1.2	310	30	10
AUG , 1976									
05...	.78	317	380	59	27	1.5	410	90	10
SEP									
12...	--	--	--	--	--	--	--	--	--

TABLE 6.--CONTINUED

09307880 HILL CREEK ABOVE ALGER DRAW, NEAR OURAY, UTAH

LOCATION.--LAT 39 50 06 , LONG 109 44 59 , IN NE1/4 SE1/4 NE1/4 SEC. 26, T.11 S., R.19 E., UINTAH COUNTY, UINTAH AND OURAY INDIAN RESERVATION, 0.2 MILE (0.3 KM) UPSTREAM FROM ALGER DRAW AND 19 MILES (31 KM) SOUTH OF OURAY.

DRAINAGE AREA.--264 MI2 (684 KM2).

GAGE.--STAFF GAGE: ALTITUDE OF GAGE IS 5,220 FT (1,591 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
NOV , 1974										
27...	1445	.24	.0	1500	7.9	19	70	91	160	5.5
MAY , 1975										
06...	1320	9.8	9.0	975	8.1	16	75	60	85	3.2
JUL										
28...	1130	6.1	20.0	1000	--	16	58	60	95	3.8
SEP , 1976										
12...	--	.00	--	--	--	--	--	--	--	--

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
NOV , 1974									
27...	544	--	380	22	.6	.46	.04	1020	.66
MAY , 1975									
06...	417	0	230	14	.5	.15	.03	691	18.2
JUL									
28...	359	--	270	15	.5	.00	.01	696	11.5
SEP , 1976									
12...	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
NOV , 1974									
27...	1.39	446	550	100	39	3.0	1400	30	0
MAY , 1975									
06...	.94	342	430	92	30	1.8	700	60	5
JUL									
28...	.95	294	390	97	34	2.1	830	20	0
SEP , 1976									
12...	--	--	--	--	--	--	--	--	--

TABLE 6.—CONTINUED

09308010 WILLOW CREEK AT MOUTH, NEAR OURAY, UTAH

LOCATION.--LAT 40 01 38 , LONG 109 43 55 , IN NE1/4 NE1/4 NW1/4 SEC. 24, T.9 S., R.19 E., UINTAH COUNTY, 0.6 MILE (1.0 KM) UPSTREAM FROM MOUTH AND 5.2 MILES (8.4 KM) SOUTHWEST OF OURAY.

DRAINAGE AREA.--951 MI2 (2,463 KM2).

GAGE.--STAFF GAGE. ALTITUDE OF GAGE IS 4,650 FT (1,417 M) FROM TOPOGRAPHIC MAP.

WATER-QUALITY DATA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
NOV , 1974										
27...	1600	9.5	.5	1900	8.3	16	77	82	250	3.8
MAY , 1975										
06...	1045	56	4.0	1125	8.2	12	66	49	110	3.1
SEP										
16...	1345	5.6	24.0	1950	--	15	60	74	280	6.2
DEC										
10...	1530	19	.0	1230	--	15	74	61	160	2.6
JUL , 1976										
15...	0900	.00	--	--	--	--	--	--	--	--
AUG										
19...	1830	.00	--	--	--	--	--	--	--	--
SEP										
13...	1200	.00	--	--	--	--	--	--	--	--

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)
NOV , 1974										
27...	519	--	560	26	.5	.33	.04	1270	32.5	1.73
MAY , 1975										
06...	310	0	300	13	.4	.31	.04	709	105	.96
SEP										
16...	453	--	640	31	.6	--	.01	1330	20.3	1.81
DEC										
10...	441	--	360	17	.4	.22	.01	909	47.6	1.24
JUL , 1976										
15...	--	--	--	--	--	--	--	--	--	--
AUG										
19...	--	--	--	--	--	--	--	--	--	--
SEP										
13...	--	--	--	--	--	--	--	--	--	--

DATE	ALKALINITY AS CACO3 (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED BORON (B) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
NOV , 1974									
27...	426	530	100	50	4.7	1600	--	40	0
MAY , 1975									
06...	254	370	110	39	2.5	680	--	30	5
SEP									
16...	372	450	83	57	5.7	1600	7	40	10
DEC									
10...	362	440	74	44	3.3	910	--	50	10
JUL , 1976									
15...	--	--	--	--	--	--	--	--	--
AUG									
19...	--	--	--	--	--	--	--	--	--
SEP									
13...	--	--	--	--	--	--	--	--	--

Table 7.--Descriptions of ground-water sampling sites

LSD: Land-surface datum above mean sea level from topographic maps.
Data available: Chemical analyses, Table 9.
Discharge, temperature, and conductivity, Table 8.
Water levels, Table 10.

Local number (D-9-22)11abb-1, station identification number 400320109242201. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 22 ft (7 m), cased 0-17 ft (0-5 m), screened 17-22 ft (5-7 m). LSD 4,780 ft (1,457 m).
Data available: Chemical analyses, water levels.

Local number (D-9-22)11abb-2, station identification number 400320109242202. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 20 ft (6 m), cased 0-15 ft (0-5 m), screened 15-20 ft (5-6 m). LSD 4,780 ft (1,457 m).
Data available: Chemical analyses, water levels.

Local number (D-9-22)11dac-1, station identification number 400249109240001. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 35 ft (11 m), cased 0-30 ft (0-9 m), screened 30-35 ft (9-11 m). LSD 4,780 ft (1,457 m).
Data available: Chemical analyses, water levels.

Local number (D-9-22)11dac-2, station identification number 400249109240002. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 23 ft (7 m), cased 0-18 ft (0-5 m), screened 18-23 ft (5-7 m). LSD 4,780 ft (1,457 m).
Data available: Chemical analyses, water levels.

Local number (D-10-20)15dcb-1, station identification number 395633109384601. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 76 ft (23 m), cased 0-71 ft (0-22 m), screened 71-76 ft (22-23 m). LSD 4,856 ft (1,480 m).
Data available: Chemical analyses, water levels.

Local number (D-10-20)15dcb-2, station identification number 395633109384602. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 42 ft (13 m), cased 0-37 ft (0-11 m), screened 37-42 ft (11-13 m). LSD 4,856 ft (1,480 m).
Data available: Chemical analyses, water levels.

Local number (D-10-20)35bbc-1, station identification number 395433109381701. Uintah County. U.S. Bureau of Land Management. Drilled former gas-producing well in Green River Formation. Diam 13 in. (33 cm), depth 5,672 ft (1,729 m), casing: 13 in. (33 cm) to 168 ft (51 m), 6 in. (15 cm) to 5,672 ft (1,729 m), perforated at 2,500 ft (762 m), well plugged back to 4,650 ft (1,417 m). LSD 5,240 ft (1,597 m).
Data available: Chemical analyses.

Local number (D-10-21)2aca-1, station identification number 395850109305201. Uintah County. Depco Inc. Drilled gas-producing well in Green River Formation. Diam 13 in. (33 cm), depth 6,479 ft (1,975 m), casing: 13 in. (33 cm) to 287 ft (87 m), 10 in. (25 cm) to 2,710 ft (826 m), 7 in. (18 cm) to 6,467 ft (1,971 m). LSD 5,198 ft (1,584 m).
Data available: Chemical analyses.

Local number (D-10-21)8cdc-1, station identification number 395722109344901. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 21 ft (6 m), cased 0-16 ft (0-5 m), screened 16-21 ft (5-6 m). LSD 5,022 ft (1,531 m).
Data available: Chemical analyses, water levels.

Local number (D-10-21)8cdc-2, station identification number 395722109344902. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 38 ft (12 m), cased 0-33 ft (0-10 m), screened 33-38 ft (10-12 m). LSD 5,022 ft (1,531 m).
Data available: Chemical analyses, water levels.

Table 7.--Descriptions of ground-water sampling sites - Continued

Local number (D-10-21)16add-1, station identification number 395657109325401. Uintah County. Gas Producing Enterprises, Inc. Drilled gas-producing well in Green River Formation. Diam 13 in (33 cm), depth 5,604 ft (1,708 m), casing: 13 in. (33 cm) to 205 ft (62 m), 9 in. (23 cm) to 1,832 ft (558 m), 6 in. (15 cm) to 5,604 ft (1,708 m). LSD 5,180 ft (1,579 m).
Data available: Chemical analyses, discharge, temperature and specific conductance.

Local number (D-10-22)10ada-1, station identification number 395801109245801. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 36 ft (11 m), cased 0-31 ft (0-9 m), screened 31-36 ft (9-11 m). LSD 4,780 ft (1,457 m).
Data available: Chemical analyses, water levels.

Local number (D-10-22)17aad-1, station identification number 395715109272001. Uintah County. U.S. Bureau of Land Management. Drilled former gas-producing well in Green River Formation. Diam 13 in. (33 cm), depth 7,005 ft (2,135 m), casing: 13 in. (33 cm) to 167 ft (51 m), 10 in. (25 cm) to 2,311 ft (704 m), 8 in. (20 cm) to 7,005 ft (2,135 m). LSD 5,200 ft (1,585 m).
Data available: Chemical analyses, discharge, temperature, and specific conductance.

Local number (D-10-23)23dbd-1, station identification number 395554109172701. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 38 ft (12 m), cased 0-33 ft (0-10 m), screened 33-38 ft (10-12 m). LSD 4,940 ft (1,506 m).
Data available: Chemical analyses, water levels.

Local number (D-10-23)23dbd-2, station identification number 395554109172702. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 17 ft (5 m), cased 0-12 ft (0-4 m), screened 12-17 ft (4-5 m). LSD 4,940 ft (1,506 m).
Data available: Chemical analyses, water levels.

Local number (D-10-24)2dbc-1, station identification number 395837109104601. Uintah County. American Gilsonite Co. Drilled observation well in Holocene alluvium. Diam 10 in. (25 cm), depth 32 ft (10 m), cased 0-31 ft (0-9 m). LSD 5,002 ft (1,525 m).
Data available: Chemical analyses, discharge, temperature, and specific conductance.

Local number (D-10-24)12bdb-1, station identification number 395751109094501. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 4 in. (10 cm), depth 220 ft (67 m), cased 0-220 ft (0-67 m), perforated 200-220 ft (61-67 m). LSD 5,200 ft (1,585 m).
Data available: Chemical analyses.

Local number (D-10-24)12cda-1, station identification number 395733109095401. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 9 in. (23 cm), depth 480 ft (146 m), cased 0-300 ft (0-91 m). LSD 5,240 ft (1,597 m).
Data available: Chemical analyses.

Local number (D-10-24)13adb-1, station identification number 395707109093101. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 4 in. (10 cm), depth 127 ft (39 m), cased 0-127 ft (0-39 m), perforated 110-127 ft (34-39 m). LSD 5,120 ft (1,561 m).
Data available: Chemical analyses.

Local number (D-10-24)13adb-2, station identification number 395707109093102. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 4 in. (10 cm), depth 100 ft (30 m), cased 0-100 ft (0-30 m), perforated 20-100 ft (6-30 m). LSD 5,120 ft (1,561 m).
Data available: Chemical analyses.

Local number (D-10-24)13ccc-1, station identification number 395635109101501. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 4 in. (10 cm), depth 400 ft (122 m), cased 0-400 ft (0-122 m), perforated 380-400 ft (116-122 m). LSD 5,360 ft (1,634 m).
Data available: Chemical analyses.

Local number (D-10-24)17dad-1, station identification number 395651109140201. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 27 ft (8 m), cased 0-22 ft (0-7 m), screened 22-27 ft (7-8 m). LSD 4,960 ft (1,512 m).
Data available: Chemical analyses, water levels.

Local number (D-10-24)17dad-2, station identification number 395651109140202. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 24 ft (7 m), cased 0-19 ft (0-6 m), screened 19-24 ft (6-7 m). LSD 4,960 ft (1,512 m).
Data available: Chemical analyses, water levels.

Local number (D-10-24)20aad-1, station identification number 395617109134401. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 5 in. (13 cm), depth 378 ft (115 m), cased 0-378 ft (0-115 m), perforated 200-378 ft (61-115 m). LSD 5,080 ft (1,548 m).
Data available: Chemical analyses.

Local number (D-10-24)20aad-2, station identification number 395617109134402. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 9 in. (23 cm), depth 580 ft (177 m), cased 0-380 ft (0-116 m). LSD 5,080 ft (1,548 m).
Data available: Chemical analyses.

Local number (D-10-24)22cad-1, station identification number 395603109120801. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 4 in. (10 cm), depth 620 ft (189 m), cased 0-620 ft (0-189 m), perforated 460-600 ft (140-183 m). LSD 5,320 ft (1,622 m).
Data available: Chemical analyses.

Local number (D-10-24)23bca-1, station identification number 395614109111401. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 4 in. (10 cm), depth 650 ft (198 m), cased 0-650 ft (0-198 m), perforated 500-650 ft (152-198 m). LSD 5,440 ft (1,658 m).
Data available: Chemical analyses.

Local number (D-10-24)25bdd-2, station identification number 395515109094902. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 4 in. (10 cm), depth 31 ft (9 m), cased 0-31 ft (0-9 m), perforated 10-31 ft (3-9 m). LSD 5,200 ft (1,585 m).
Data available: Chemical analyses.

Local number (D-10-24)25caa-1, station identification number 395510109094901. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 4 in. (10 cm), depth 90 ft (27 m), cased 0-90 ft (0-27 m), perforated 65-90 ft (20-27 m). LSD 5,200 ft (1,585 m).
Data available: Chemical analyses.

Local number (D-10-24)26cdd-2, station identification number 395453109111001. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 13 in. (33 cm), depth 540 ft (165 m), casing: 13 in. (33 cm) to 40 ft (12 m), 9 in. (23 cm), casing to 340 ft (104 m). LSD 5,480 ft (1,670 m).
Data available: Chemical analyses.

Local number (D-10-24)28ddb-1, station identification number 395500109124401. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 4 in. (10 cm), depth 627 ft (191 m), cased 0-627 ft (0-191 m), perforated 547-627 ft (167-191 m). LSD 5,360 ft (1,634 m).
Data available: Chemical analyses.

Local number (D-10-24)29aac-2, station identification number 395530109134901. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 4 in. (10 cm), depth 611 ft (186 m), cased 0-611 ft (0-186 m), perforated 572-611 ft (174-186 m). LSD 5,280 ft (1,609 m).
Data available: Chemical analyses.

Local number (D-10-24)36dcd-1, station identification number 395359109093201. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 4 in. (10 cm), depth 100 ft (30 m), cased 0-100 ft (0-30 m), perforated 30-50 ft (9-15 m). LSD 5,320 ft (1,622 m).
Data available: Chemical analyses.

Local number (D-10-25)8aca-1, station identification number 395804109071701. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 34 ft (10 m), cased 0-29 ft (0-9 m), screened 24-29 ft (7-9 m). LSD 5,150 ft (1,570 m).
Data available: Chemical analyses, water levels.

Local number (D-10-25)8aca-2, station identification number 395804109071702. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 22 ft (7 m), cased 0-17 ft (0-5 m), screened 17-22 ft (5-7 m). LSD 5,150 ft (1,570 m).
Data available: Chemical analyses, water levels.

Local number (D-10-25)19dda-1, station identification number 395548109080701. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 4 in. (10 cm), depth 400 ft (122 m), cased 0-400 ft (0-122 m), perforated 360-400 ft (110-122 m). LSD 5,640 ft (1,719 m).
Data available: Chemical analyses.

Local number (D-11-19)24acc-1, station identification number 395052109441801. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 90 ft (27 m), cased 0-85 ft (0-26 m), screened 85-90 ft (26-27 m). LSD 5,201 ft (1,585 m).
Data available: Chemical analyses, water levels.

Local number (D-11-21)31bdd-1, station identification number 394904109363601. Uintah County. Golden Hatch. Drilled livestock well in Green River Formation. Diam 4 in. (10 cm), depth 711 ft (217 m), cased 0-610 ft (0-186 m). LSD 5,190 ft (1,582 m).
Data available: Chemical analyses, discharge, temperature, and specific conductance.

Local number (D-11-23)13dcd-1, station identification number 395115109171801. Uintah County. Shamrock Oil and Gas Corp. Drilled gas-producing well in Green River Formation. Diam 13 in. (33 cm), depth 5,857 ft (1,785 m), casing: 13 in. (33 cm) to 240 ft (73 m), 6 in. (15 cm) to 4,130 ft (1,259 m). LSD 5,480 ft (1,670 m).
Data available: Chemical analyses, discharge, temperature, and specific conductance.

Local number (D-11-24)6dbc-1, station identification number 395318109162101. Uintah County. U.S. Bureau of Land Management. Drilled former gas-producing well in Green River Formation. Diam 13 in. (33 cm), depth 5,950 ft (1,814 m), casing: 13 in. (33 cm) to 223 ft (68 m), 10 in. (25 cm) to 2,207 ft (673 m), perforated 1,072-1,077 ft (327-328 m), well plugged back to 2,200 ft (671 m). LSD 5,200 ft (1,585 m).
Data available: Chemical analyses, discharge, temperature, and specific conductance.

Local number (D-11-24)7cac-1, station identification number 395228109163401. Uintah County. U.S. Bureau of Land Management. Drilled former gas-producing well in Green River Formation. Diam 13 in. (33 cm), depth 5,840 ft (1,780 m), casing: 13 in. (33 cm) to 216 ft (66 m), 10 in. (25 cm) to 2,396 ft (730 m), perforated 1,158-1,160 ft (353-354 m), 1,538-1,540 ft (468.8-469.4 m), well plugged back to 2,396 ft (730 m). LSD 5,280 ft (1,609 m).
Data available: Chemical analyses, discharge, temperature, and specific conductance.

Local number (D-11-24)8caa-1, station identification number 395233109151601. Uintah County. Shamrock Oil and Gas Corp. Drilled gas-producing well in Green River Formation. Diam. 13 in. (33 cm), depth 6,569 ft (2,002 m), casing: 13 in. (33 cm), 0-214 ft (0-65 m), 10 in. (25 cm), 0-5,610 ft (0-1,710 m). LSD 5,320 ft (1,622 m).
Data available: Chemical analyses, discharge, temperature, and specific conductance.

Local number (D-11-25)7dac-1, station identification number 395226109091201. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 4 in. (10 cm), depth 29 ft (9 m), cased 0-29 ft (0-9 m), perforated 19-29 ft (6-9 m). LSD 5,640 ft (1,719 m).
Data available: Chemical analyses.

Local number (D-11-25)7dac-2, station identification number 395226109091202. Uintah County. White River Shale Project. Drilled observation well in Holocene alluvium. Diam 4 in. (10 cm), depth 21 ft (6 m), cased 0-21 ft (0-6 m), perforated 6-21 ft (2-6 m). LSD 5,640 ft (1,719 m).
Data available: Chemical analyses.

Local number (D-11-25)7dac-3, station identification number 395229109091201. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 4 in. (10 cm), depth 70 ft (21 m), cased 0-70 ft (0-21 m), perforated 50-70 ft (15-21 m). LSD 5,600 ft (1,707 m).
Data available: Chemical analyses.

Local number (D-11-25)21cbc-1, station identification number 395040109075201. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 4 in. (10 cm), depth 44 ft (13 m), cased 0-39 ft (0-12 m), screened 39-44 ft (12-13 m). LSD 5,550 ft (1,692 m).
Data available: Chemical analyses, water levels.

Local number (D-11-25)21cbc-2, station identification number 395040109075202. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 4 in. (10 cm), depth 18 ft (5 m), cased 0-13 ft (0-4 m), screened 13-18 ft (4-5 m). LSD 5,550 ft (1,692 m).
Data available: Chemical analyses, water levels.

Local number (D-11-25)21cca-1, station identification number 395035109074001. Uintah County. White River Shale Project. Drilled observation well in Douglas Creek Member of Green River Formation. Diam 4 in. (10 cm), depth 77 ft (23 m), cased 0-77 ft (0-23 m), perforated 53-77 ft (16-23 m). LSD 5,520 ft (1,682 m).
Data available: Chemical analyses.

Local number (D-11-25)21cca-2, station identification number 395035109074002. Uintah County. White River Shale Project. Drilled observation well in Parachute Creek Member of Green River Formation. Diam 4 in. (10 cm), depth 193 ft (59 m), cased 0-193 ft (0-59 m), perforated 165-193 ft (50-59 m). LSD 5,520 ft (1,682 m).
Data available: Chemical analyses.

Local number (D-12-23)21ccd-1, station identification number 394503109211201. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 82 ft (25 m), cased 0-77 ft (0-23 m), screened 77-82 ft (23-25 m). LSD 5,584 ft (1,702 m).
Data available: Chemical analyses, water levels.

Local number (D-12-23)21ccd-2, station identification number 394503109211202. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 19 ft (6 m), cased 0-14 ft (0-4 m), screened 14-19 ft (4-6 m). LSD 5,584 ft (1,702 m).
Data available: Chemical analyses, water levels.

Local number (D-12-25)2daa-1, station identification number 394811109043601. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 38 ft (12 m), cased 0-33 ft (0-10 m), screened 33-38 ft (10-12 m). LSD 5,740 ft (1,750 m).
Data available: Chemical analyses, water levels.

Local number (D-13-21)15adc-1, station identification number 394109109325501. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 81 ft (25 m), cased 0-76 ft (23 m), screened 76-81 ft (23-25 m). LSD 5,570 ft (1,698 m).
Data available: Chemical analyses, water levels.

Local number (D-13-21)15adc-2, station identification number 394109109325502. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 20 ft (6 m), cased 0-15 ft (0-5 m), screened 15-20 ft (5-6 m). LSD 5,570 ft (1,698 m).
Data available: Chemical analyses, water levels.

Local number (D-13-24)18bbb-1, station identification number 394135109164901. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 82 ft (25 cm), cased 0-77 ft (0-23 m), screened 77-82 ft (23-25 m). LSD 5,876 ft (1,791 m).
Data available: Chemical analyses, water levels.

Local number (D-13-24)18bbb-2, station identification number 394135109164902. Uintah County. U.S. Geological Survey. Drilled observation well in Holocene alluvium. Diam 2 in. (5.1 cm), depth 42 ft (13 m), cased 0-37 ft (0-11 m), screened 37-42 ft (11-13 m). LSD 5,876 ft (1,791 m).
Data available: Chemical analyses, water levels.

Local number (D-13-25)13add-S1, station identification number 394113109032701. Uintah County. Mud Spring. Discharges from Douglas Creek Member of Green River Formation. LSD 6,480 ft (1,975 m).
Data available: Chemical analyses.

Local number (D-13-26)30cdc-S1, station identification number 393904109030701. Uintah County. Davis Canyon Spring. LSD 7,080 ft (2,158 m).
Data available: Chemical analyses.

Local number (D-14-18)25bac-S1, station identification number 393428109511501. Uintah County. South Tabyago Spring. LSD 6,920 ft (2,109 m).
Data available: Chemical analyses.

Local number (D-14-22)25cac-S1, station identification number 393405109242401. Uintah County. Pine Spring. Discharges from Douglas Creek Member of Green River Formation. LSD 7,080 ft (2,158 m).
Data available: Chemical analyses.

Local number (D-14-24)21ccc-S1, station identification number 393445109143701. Uintah County. Saddle Horse Point Spring. Discharges from Douglas Creek Member of Green River Formation. LSD 6,560 ft (1,999 m).
Data available: Chemical analyses.

Local number (D-15-20)15bbd-S1, station identification number 393102109401201. Uintah County. Flat Rock Spring. Discharges from Parachute Creek Member of Green River Formation. LSD 7,240 ft (2,207 m).
Data available: Chemical analyses, discharge, temperature, and specific conductance.

Local number (D-15-23)32bcc-S1, station identification number 392813109221401. Uintah County. Tomlinson Ranch Spring. Discharges from Wasatch Formation. LSD 7,000 ft (2,134 m).
Data available: Chemical analyses.

Local number (D-15-23)36ddd-S1, station identification number 392800109171001. Uintah County. PR Spring. Discharges from Douglas Creek Member of Green River Formation. LSD 8,040 ft (2,451 m).
Data available: Chemical analyses, discharge, temperature, and specific conductance.

Local number (D-15-24)10bcd-S1, station identification number 393143109131801. Uintah County. Sweetwater Spring. Discharges from Wasatch Formation. LSD 6,920 ft (2,109 m).
Data available: Chemical analyses, discharge, temperature, and specific conductance.

Local number (D-15-24)18cdd-S1, station identification number 393023109162601. Uintah County. Willow Spring. Discharges from Wasatch Formation. LSD 7,480 ft (2,280 m).
Data available: Chemical analyses, discharge, temperature, and specific conductance.

Local number (D-15-25)7bcc-S1, station identification number 393138109100501. Uintah County. North Tom Patterson Spring. Discharges from Douglas Creek Member of Green River Formation. LSD 7,440 ft (2,268 m).
Data available: Chemical analyses.

Local number (D-15-25)13bad-S1, station identification number 393105109040501. Uintah County. Bitter Creek Spring. Discharges from Douglas Creek Member of Green River Formation. LSD 7,120 ft (2,170 m).
Data available: Chemical analyses, discharge, temperature, and specific conductance.

Local number (D-15-25)18cda-S1, station identification number 393027109094201. Uintah County. Tom Patterson Spring. Discharges from Douglas Creek Member of Green River Formation. LSD 7,680 ft (2,341 m).
Data available: Chemical analyses, discharge, temperature, and specific conductance.

Local number (D-16-19)18cbc-S1, station identification number 392440109515501. Grand County. Moonwater Spring. Discharges from Parachute Creek Member of Green River Formation. LSD 8,000 ft (2,438 m).
Data available: Chemical analyses.

Table 7.--Descriptions of ground-water sampling sites - Continued

Local number (D-16-22)23dad-S1, station identification number 392357109270101. Grand County. Cedar Camp Spring. Discharges from Parachute Creek Member of Green River Formation. LSD 7,640 ft (2,329 m).
Data available: Chemical analyses.

Local number (D-16-22)30baa-S1, station identification number 392337109314201. Grand County. Little Jim Spring. Discharges from Parachute Creek Member of Green River Formation. LSD 7,520 ft (2,292 m).
Data available: Chemical analyses.

Local number (D-16-23)16bbd-S1, station identification number 392514109232601. Grand County. Shale Spring. Discharges from Parachute Creek Member of Green River Formation. LSD 7,680 ft (2,341 m).
Data available: Chemical analyses.

Local number (D-17-19)9acb-S1, station identification number 392046109494001. Grand County. Bolan Spring. Discharges from Parachute Creek Member of Green River Formation. LSD 8,400 ft (2,560 m).
Data available: Chemical analyses.

Local number (D-17-19)28bab-S1, station identification number 391832109495001. Grand County. Seeley Spring. Discharges from Parachute Creek Member of Green River Formation. LSD 8,880 ft (2,707 m).
Data available: Chemical analyses.

Local number (D-17-21)10bdd-S1, station identification number 392043109350001. Grand County. Steer Spring. Discharges from Parachute Creek Member of Green River Formation. LSD 8,000 ft (2,438 m).
Data available: Chemical analyses.

Local number (D-17-22)19bbd-S1, station identification number 391859109320201. Grand County. Tenmile Canyon Spring. Discharges from Parachute Creek Member of Green River Formation. LSD 8,160 ft (2,487 m).
Data available: Chemical analyses.

Local number (D-18-20)7bad-S1, station identification number 391545109451501. Grand County. Marble Spring. Discharges from Parachute Creek Member of Green River Formation. LSD 8,880 ft (2,707 m).
Data available: Chemical analyses.

Local number (D-19-19)36caa-S1, station identification number 391156109462401. Grand County. Pioche Spring. Discharges from Parachute Creek Member of Green River Formation. LSD 9,120 ft (2,780 m).
Data available: Chemical analyses.

Local number T(D-15-21)36adc-S1, station identification number 392737109322201. Grand County. Meadow Creek Spring. Discharges from Wasatch Formation. LSD 6,560 ft (1,999 m).
Data available: Chemical analyses.

Local number S(C-3-102)20dbd-S1, station identification number 394617108514701. Rio Blanco County, Colo. Wild Rose Spring. LSD 7,620 ft (2,323 m).
Data available: Chemical analyses.

Local number S(C-3-102)29adb-S1, station identification number 394541108514001. Rio Blanco County, Colo. Big Cedar Spring. LSD 7,440 ft (2,268 m).
Data available: Chemical analyses.

Local number S(C-4-102)19abd-S1, station identification number 394126108525601. Rio Blanco County, Colo. Red Cedar Spring. LSD 7,480 ft (2,280 m).
Data available: Chemical analyses.

Local number S(C-4-102)30cdb-S1, station identification number 394002108532501. Rio Blanco County, Colo. Missouri Creek Spring. LSD 7,960 ft (2,426 m).
Data available: Chemical analyses.

Local number S(C-5-103)21ddd-S1, station identification number 393611108571801. Garfield County, Colo. Columbine Spring. Discharges from Wasatch Formation. LSD 7,644 ft (2,330 m).
Data available: Chemical analyses.

Local number S(C-5-103)26bad-S1, station identification number 393559108553601. Garfield County, Colo. Cow Canyon Spring. LSD 8,080 ft (2,463 m).
Data available: Chemical analyses.

Local number S(C-5-104)27dad-S1, station identification number 393532109025801. Garfield County, Colo. Lone Spring. Discharges from Douglas Creek Member of Green River Formation. LSD 8,160 ft (2,487 m).
Data available: Chemical analyses.

Local number S(C-5-104)36acd-S1, station identification number 393457109005301. Garfield County, Colo. Little Water Spring. LSD 8,320 ft (2,536 m).
Data available: Chemical analyses, discharge, temperature, and specific conductance.

TABLE 8.--DISCHARGE, TEMPERATURE, AND SPECIFIC CONDUCTANCE AT SELECTED GROUND-WATER SITES

LOCAL NUMBER	STATION IDENTIFICATION NUMBER	DATE OF SAMPLE	YIELD (GAL/MIN)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)
(D-10-21)16ADD- 1	395657109325401	74-12-24	--	21.0	2500
		75-01-22	--	23.5	4000
		75-02-19	--	27.0	4000
		75-03-20	45	31.0	3400
		75-05-21	40	30.0	3450
		75-06-20	40	--	4000
		75-07-25	25	31.0	3400
		75-08-21	26	23.0	3025
(D-10-22)17AAD- 1	395715109272001	74-12-24	3.2	20.5	11000
		75-01-22	3.0	21.0	15000
		75-02-19	3.0	22.0	13000
		75-03-20	3.0	22.0	12000
		75-05-21	3.2	21.5	12000
		75-06-19	2.4	22.0	12500
		75-07-25	3.0	21.0	13500
		75-08-21	2.6	33.5	>8000
		75-11-20	--	20.5	--
(D-10-24) 2DBC- 1	395837109104601	74-11-14	--	--	680
		74-12-23	--	11.0	900
		75-02-07	--	9.0	850
		75-03-05	--	7.5	950
		75-04-12	--	6.0	940
		75-05-06	--	6.0	975
		75-09-09	--	15.0	800
		75-10-09	--	15.0	825
(D-11-21)31BDD- 1	394904109363601	74-12-24	1.4	15.0	1500
		75-01-21	1.2	16.0	1340
		75-02-20	1.3	15.0	2200
		75-03-17	9.0	16.0	1500
		75-04-15	1.0	15.0	1500
		75-05-07	1.9	15.5	1375
		75-05-19	1.1	16.5	1450
		75-06-16	1.5	17.0	1550
		75-07-23	1.3	17.0	1425
		75-08-19	1.0	17.0	1750
		75-09-23	1.2	14.5	1550
		75-11-17	1.0	16.0	1500
(D-11-23)13DCD- 1	395115109171801	74-11-14	6.0	--	1560
		74-12-23	7.1	23.5	1750
		75-01-06	6.0	24.0	1800
		75-02-03	6.0	24.0	1700
		75-03-03	6.5	26.0	1650
		75-04-07	5.5	24.0	1675
		75-05-06	4.7	24.0	2200
		75-06-03	6.0	25.5	1850
		75-07-10	6.0	27.5	1850
		75-08-05	5.6	25.0	1800
		75-09-12	4.0	26.0	1650
		75-10-09	4.0	25.0	1850
		75-11-04	3.4	24.5	1700
(D-11-24) 6DBC- 1	395318109162101	74-10-08	41	28.5	1600
		74-11-14	60	--	1590
		74-12-23	51	28.0	1650
		75-01-06	45	27.0	1750
		75-02-03	40	27.0	1650
		75-03-03	38	28.0	1650
		75-04-07	60	26.0	1600
		75-05-05	45	27.5	1730
		75-06-03	36	29.0	1800
		75-07-10	60	28.5	1800
		75-08-05	45	27.0	1740
		75-09-12	41	29.0	1600
		75-10-09	45	25.0	1850
		75-11-04	44	26.0	1720
(D-11-24) 7CAC- 1	395228109163401	74-10-08	36	27.0	1675
		74-11-14	36	--	1600
		74-12-23	37	26.0	1725
		75-01-06	36	25.0	1800
		75-02-03	39	26.0	1675
		75-03-03	38	26.5	1600
		75-04-07	33	25.5	1600
		75-05-05	30	22.5	1750
		75-06-03	36	26.5	1900
		75-07-10	30	27.0	1850
		75-08-05	36	25.5	1780
		75-09-12	32	27.5	1650
		75-10-09	30	25.0	1900
		75-11-04	31	24.5	1725
(D-11-24) 8CAA- 1	395233109151601	74-10-08	18	26.5	1650
		74-11-14	19	--	1550

TABLE 8.--CONTINUED

LOCAL NUMBER	STATION IDENTIFICATION NUMBER	DATE OF SAMPLE	YIELD (GAL/MIN)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)
(D-11-24) 8CAA- 1	395233109151601	74-12-23	17	25.0	1675
		75-01-06	16	24.0	1710
		75-02-03	16	25.0	1625
		75-03-03	19	26.0	1625
		75-04-07	19	25.0	1675
		75-05-05	16	25.0	1700
		75-06-03	18	26.0	1810
		75-07-10	21	27.0	1850
		75-08-05	18	25.0	1720
		75-09-12	21	27.0	1620
		75-10-09	6.0	24.5	1800
		75-11-04	--	25.0	1700
(D-15-20)15BBD-S1	393102109401201	74-12-17	1.3	4.5	420
		75-01-20	1.2	3.5	480
		75-02-11	1.3	3.0	440
		75-04-16	1.7	4.0	625
		75-05-20	2.0	7.0	525
		75-06-17	2.5	--	550
		75-07-23	1.5	12.0	515
		75-08-18	1.0	12.5	535
		75-09-23	1.2	11.0	530
		75-11-18	.75	7.5	490
		76-09-14	3.0	12.0	510
(D-15-23)36DDD-S1	392800109171001	74-12-23	2.5	4.0	550
		75-01-16	2.5	1.0	550
		75-02-12	2.4	5.5	520
		75-05-30	17	8.0	232
		75-06-17	--	--	500
		75-07-22	4.0	17.0	500
		75-08-20	6.0	6.0	530
		75-09-23	3.0	6.5	540
		75-10-22	2.5	7.5	540
		75-11-18	2.5	5.5	510
		76-06-25	--	--	540
		76-07-23	8.0	13.0	530
		76-08-16	6.0	13.0	580
(D-15-24)10BCD-S1	393143109131801	74-12-10	120	7.0	1300
		75-01-15	75	8.0	1275
		75-03-19	160	7.5	1025
		75-05-29	118	11.0	670
		75-06-17	139	9.0	1300
		75-07-22	140	10.0	1320
		75-08-20	160	8.0	1320
		75-09-23	130	8.0	1300
		75-10-22	136	9.0	1350
		75-11-18	150	8.0	1210
		76-06-25	140	9.5	1450
		76-07-23	170	9.0	1300
		76-08-10	164	9.5	1300
		76-09-15	160	9.5	1375
(D-15-25)13BAD-S1	393105109040501	74-12-13	28	5.0	1180
		75-01-14	26	6.0	1200
		75-05-30	37	10.5	900
		75-06-18	60	8.5	1300
		75-07-23	30	10.0	1300
		75-08-20	45	8.0	1250
		75-09-23	24	12.0	1200
		75-11-17	30	7.0	1120
		75-12-18	30	5.5	1200
		76-06-24	30	9.5	1250
		76-07-22	45	--	1275
		76-08-09	30	9.0	1225
		76-09-16	30	--	1250
(D-15-25)18CDA-S1	393027109094201	75-03-18	1.4	2.0	540
		75-08-20	2.0	7.0	750
		75-09-23	2.0	8.0	760
		75-10-22	1.2	8.0	800
		75-11-17	1.0	6.0	780
		76-06-25	3.5	8.5	740
		76-07-23	2.9	7.5	750
		76-08-10	2.6	10.0	760
		76-09-16	2.0	8.0	760
S(C- 5-104)36ACD-S1	393457109005301	75-06-18	80	6.0	450
		75-08-19	45	6.0	440
		75-11-17	15	6.0	425
		76-06-24	45	8.0	450
		76-07-22	42	--	450
		76-08-09	30	--	475
		76-09-16	24	--	470

TABLE 9.--QUALITY OF GROUND WATER

STATION IDENTIFICATION NUMBER: SEE EXPLANATION OF THE TABLES IN TEXT.
LOCAL NUMBER: SEE WELL- AND SPRING-NUMBERING SYSTEM IN TEXT.
INSTANTANEOUS FLOW RATE: MEASURED UNLESS INDICATED E, ESTIMATED.
SPECIFIC CONDUCTANCE: IN MICROMHOS PER CENTIMETER AT 25°C.

LOCAL NUMBER	STATION IDENTIFICATION NUMBER	DATE OF SAMPLE	DEPTH BELOW LAND SURFACE (FT)	YIELD (GAL/MIN)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)
(D- 9-22)11ABB- 1	400320109242201	76-02-03	--	--	10.0	2450	8.3	11	8.4
		76-04-08	--	--	11.0	2600	8.3	7.8	16
		76-07-14	--	--	13.5	2630	8.4	11	14
(D- 9-22)11ABB- 2	400320109242202	76-02-03	--	--	10.0	1775	8.0	11	18
		76-04-08	--	--	10.0	1800	8.4	10	11
		76-07-14	--	--	14.0	1750	8.7	12	11
(D- 9-22)11DAC- 1	400249109240001	76-02-03	--	--	10.0	950	8.4	9.8	6.9
		76-04-07	--	--	13.0	950	8.5	8.5	6.1
		76-07-14	--	--	14.0	966	8.7	10	7.9
(D- 9-22)11DAC- 2	400249109240002	76-02-03	--	--	10.5	750	8.5	10	5.9
		76-04-08	--	--	12.0	740	8.5	9.3	5.7
		76-07-14	--	--	14.0	732	8.6	10	8.3
(D-10-20)15DCB- 1	395633109384601	76-01-15	--	--	10.0	10250	8.3	6.7	120
		76-04-06	--	--	11.0	9700	8.0	15	130
		76-06-10	--	--	13.0	9600	8.0	18	140
		76-07-13	--	--	13.0	10000	8.0	18	84
(D-10-20)15DCB- 2	395633109384602	76-01-15	--	--	10.0	11900	--	5.8	100
		76-04-06	--	--	11.5	10400	8.0	16	150
		76-07-13	--	--	13.5	12000	7.9	19	150
(D-10-20)35BBC- 1	395433109381701	74-08-20	--	18	31.0	3250	8.6	16	1.6
(D-10-21) 2ACA- 1	395850109305201	75-06-25	--	--	17.0	12000	8.5	11	1.1
(D-10-21) 8CDC- 1	395722109344901	76-01-19	--	--	11.0	2030	8.4	6.0	16
		76-04-09	--	--	11.5	2200	8.5	6.1	5.4
		76-07-14	--	--	13.5	2130	8.3	8.7	13
(D-10-21) 8CDC- 2	395722109344902	76-01-19	--	--	9.5	2070	8.3	8.8	45
		76-04-09	--	--	10.5	2470	8.0	14	62
		76-07-14	--	--	14.0	2490	8.2	14	82
(D-10-21)16ADD- 1	395657109325401	74-08-21	--	10	27.0	3750	8.3	17	1.5
		75-06-25	--	--	21.5	4060	8.6	16	3.8
(D-10-22)10ADA- 1	395801109245801	76-01-20	--	--	10.5	20000	8.1	9.3	240
		76-04-09	--	--	11.0	18050	7.8	11	260
		76-07-15	--	--	14.5	20000	7.8	11	150
(D-10-22)17AAD- 1	395715109272001	74-08-21	--	3.2	21.5	>8000	8.3	15	2.1
		75-06-25	--	3.0	22.0	11900	8.5	15	4.0
(D-10-23)23DBD- 1	395554109172701	76-01-07	--	--	9.0	4250	8.0	18	270
		76-04-19	--	--	10.0	4400	7.7	16	250
		76-06-15	--	--	9.5	4220	7.6	20	230
		76-07-21	--	--	12.0	--	--	17	240
(D-10-23)23DBD- 2	395554109172702	76-01-07	--	--	8.5	2800	8.0	16	65
		76-04-19	--	--	9.0	2600	7.6	16	67
		76-07-21	--	--	13.5	2720	7.6	17	80
(D-10-24) 2DBC- 1	395837109104601	74-08-28	--	--	13.0	750	7.6	13	78
		75-05-14	--	--	7.0	975	7.5	10	88
(D-10-24)12BDB- 1	395751109094501	74-12-17	79.00	--	--	2260	--	2.3	4.1
		75-11-12	90.00	--	12.5	2070	9.3	6.9	1.6
		76-06-24	77.00	--	13.5	2010	8.3	6.7	.8
		76-09-14	71.00	--	13.5	2140	8.2	6.3	2.1
(D-10-24)12CDA- 1	395733109095401	74-11-20	279.00	--	14.0	5100	7.5	12	170
		75-03-18	277.20	--	14.0	5200	7.8	11	170
		75-05-13	279.10	--	16.0	5100	7.6	11	170
		75-06-26	277.40	--	15.0	4870	8.1	12	170
		75-08-17	279.00	--	--	5170	--	10	170
		75-08-30	278.60	--	14.5	4600	7.6	11	180
		75-11-14	278.00	--	13.5	5120	7.3	11	130
		76-06-24	280.00	--	15.0	5200	8.0	12	170
(D-10-24)13ADB- 1	395707109093101	74-11-19	53.00	--	12.5	1130	--	9.1	100
		74-12-17	55.00	--	--	1440	--	7.4	120
		75-11-12	54.00	--	12.0	5000	7.5	14	170
		76-06-24	66.00	--	12.5	5940	8.1	15	200
		76-09-16	53.00	--	12.5	6900	8.4	11	15
(D-10-24)13ADB- 2	395707109093102	74-11-19	45.00	--	12.5	5000	7.6	16	200
		74-11-21	45.00	--	11.0	4900	7.2	15	210
		74-12-10	45.00	--	11.5	4750	--	15	200
		75-03-13	43.00	--	11.5	4800	7.6	14	200
		75-11-12	43.50	--	10.5	4500	7.4	13	190
		76-06-24	44.00	--	13.0	4570	8.0	14	170
		76-09-16	44.00	--	12.5	4500	7.9	13	190
(D-10-24)13CCC- 1	395635109101501	74-11-22	314.00	--	14.0	5100	7.6	11	200
		74-12-13	319.00	--	14.5	5000	7.3	11	200
		75-03-14	312.00	--	13.5	5510	7.6	11	210
		75-11-13	320.00	--	14.0	5020	7.4	10	190
		76-03-21	316.00	--	15.5	5100	8.0	11	200
		76-06-30	318.00	--	16.5	4960	7.9	11	160
		76-09-14	321.00	--	15.5	5200	8.1	10	170

TABLE 9.—CONTINUED

DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DIS-SOL-VED SUL-FIDE (S) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)
76-02-03	9.0	600	1.9	805	127	420	49	2.7	--	--	.02	--
76-04-08	19	650	3.1	1080	0	490	50	2.7	--	--	.10	--
76-07-14	9.0	650	3.5	1040	22	530	64	2.9	--	--	.47	--
76-02-03	7.2	420	1.1	880	0	200	58	1.3	--	--	.01	--
76-04-08	8.3	410	1.3	859	0	170	61	1.3	--	--	.02	--
76-07-14	5.8	410	1.7	770	38	170	73	1.0	--	--	.64	--
76-02-03	2.8	210	2.0	511	6	57	19	1.5	--	--	.20	--
76-04-07	3.4	210	1.6	463	29	54	17	1.5	--	--	.27	--
76-07-14	2.6	220	1.4	498	13	63	20	1.5	--	--	.77	--
76-02-03	2.9	160	1.2	376	5	57	10	1.1	--	--	2.6	--
76-04-08	3.8	160	1.2	389	0	51	9.6	1.1	--	--	2.3	--
76-07-14	3.1	170	1.1	364	7	72	12	1.2	--	--	2.1	--
76-01-15	390	2100	17	1190	0	5200	220	1.4	--	--	.17	--
76-04-06	400	1900	12	1310	0	4700	180	1.4	--	--	.09	--
76-06-10	410	2100	8.8	1250	--	5000	190	1.5	--	--	.09	--
76-07-13	420	2100	12	1260	--	5200	190	1.4	--	--	.63	--
76-01-15	480	2800	11	1350	118	6300	270	1.5	--	--	.06	--
76-04-06	590	2300	11	1820	0	5900	230	1.4	--	--	.06	--
76-07-13	610	2600	12	1830	--	6800	260	1.4	--	--	.50	--
74-08-20	.8	900	3.4	1480	165	16	300	--	--	1.0	.02	.00
75-06-25	.5	3400	11	4140	963	58	1700	120	6.2	.5	.04	.04
76-01-19	4.0	490	3.9	436	19	570	110	1.3	--	--	.39	--
76-04-09	2.7	470	1.6	475	0	530	93	1.1	--	--	.50	--
76-07-14	3.0	480	2.3	476	0	530	110	1.2	--	--	.11	--
76-01-19	37	480	4.4	332	0	800	120	.9	--	--	.29	--
76-04-09	49	430	3.4	412	0	740	110	.8	--	--	.23	--
76-07-14	49	440	3.3	410	0	790	120	.8	--	--	.40	--
74-08-21	.2	900	3.6	1590	0	110	380	--	--	.7	.08	.00
75-06-25	.5	1000	2.8	1500	73	130	500	27	.7	.6	.01	.01
76-01-20	620	4500	17	882	0	12000	290	.6	--	--	.44	--
76-04-09	770	4600	18	976	0	12000	260	.7	--	--	.69	--
76-07-15	800	4700	19	900	--	12000	280	.6	--	--	1.0	--
74-08-21	1.2	2400	11	779	0	140	3200	--	--	6.5	.03	.00
75-06-25	1.0	3100	11	1950	307	100	3300	25	13	6.7	.01	.01
76-01-07	210	550	5.5	578	0	2000	190	.4	--	--	.03	--
76-04-19	210	600	5.5	555	0	2100	170	.4	--	--	.06	--
76-06-15	200	570	3.8	606	0	1900	170	.3	.6	.0	.03	.00
76-07-21	190	570	5.0	542	--	1800	190	.7	--	--	.00	--
76-01-07	90	430	3.6	483	0	930	110	.9	--	--	.01	--
76-04-19	93	410	3.7	489	0	920	97	1.1	--	--	.06	--
76-07-21	90	410	3.3	459	--	940	79	1.2	--	--	.04	--
74-08-28	28	73	3.0	289	0	190	37	.4	--	.0	.00	.01
75-05-14	29	74	2.3	267	0	210	40	.3	--	.0	.00	.00
74-12-17	.4	500	6.8	180	301	460	39	3.2	--	.8	.07	.02
75-11-12	.2	520	1.8	722	85	390	29	1.5	--	.0	.01	.01
76-06-24	.3	520	1.6	918	0	370	25	1.2	.1	.0	.05	.02
76-09-14	.4	520	1.6	918	0	380	25	1.2	.2	.2	.01	.00
74-11-20	170	930	7.4	543	0	2400	58	1.0	--	6.6	.00	.00
75-03-18	190	910	9.0	522	0	2700	59	.9	--	4.7	.00	.00
75-05-13	190	910	6.3	545	0	2500	56	1.1	--	.0	.00	.00
75-06-26	190	910	7.3	536	0	2500	60	1.2	--	4.3	.02	.00
75-08-17	210	940	9.2	540	--	2700	59	1.2	--	.6	.00	.00
75-08-30	190	940	8.9	453	0	2800	59	1.1	--	.5	.04	.01
75-11-14	170	900	7.5	551	0	2400	62	1.1	--	4.8	.01	.01
76-06-24	200	900	6.0	556	0	2700	57	1.2	.3	5.6	.01	.00
74-11-19	.7	72	6.8	26	117	200	36	.2	--	.0	.03	.01
74-12-17	.0	73	6.5	269	8	180	39	.3	--	.4	.03	.03
75-11-12	190	920	7.5	617	0	2600	67	1.4	--	1.0	.02	.00
76-06-24	220	1100	7.5	618	0	3000	64	1.6	.4	1.0	.00	.00
76-09-16	160	1800	11	2070	52	2500	280	7.4	2.2	5.1	.00	.00
74-11-19	170	740	8.1	598	0	2000	57	.9	--	.0	.16	.03
74-11-21	190	840	4.5	623	0	2400	56	1.2	--	.0	.02	.00
74-12-10	180	850	5.9	608	0	2300	58	1.2	--	.8	.02	.01
75-03-13	190	830	8.6	571	0	2400	59	1.3	--	.0	.05	.00
75-11-12	180	770	6.9	641	0	2200	56	1.2	--	.0	.02	.01
76-06-24	170	720	7.5	644	0	2100	52	1.4	.3	.0	.03	.00
76-09-16	180	750	8.2	556	0	2200	54	1.2	.8	13	.00	.00
74-11-22	190	870	9.4	565	0	2500	68	.8	--	.0	.39	.08
74-12-13	200	940	7.1	573	0	2800	71	1.0	--	.0	.26	.06
75-03-14	220	950	11	552	0	2800	74	1.1	--	.2	.11	.00
75-11-13	190	890	9.3	561	0	2600	66	1.0	--	.2	.18	.02
76-03-21	180	900	9.1	585	0	2500	65	.9	.5	.6	.28	.01
76-06-30	180	820	7.8	524	0	2500	56	1.2	.4	.0	.52	.01
76-09-14	180	880	9.8	556	0	2400	59	1.1	.4	.0	.18	.00

TABLE 9.—CONTINUED

LOCAL NUMBER	DATE OF SAMPLE	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	ALKA-LINITY AS CACO3 (MG/L)	HARD-NESS (CA,MG) (MG/L)
(D- 9-22)11ABB- 1	76-02-03	--	--	.00	--	--	1630	2.22	872	58
	76-04-08	--	--	.17	--	--	1770	2.41	886	120
	76-07-14	--	--	.04	--	--	1820	2.48	890	72
(D- 9-22)11ABB- 2	76-02-03	--	--	.00	--	--	1150	1.56	722	75
	76-04-08	--	--	.01	--	--	1100	1.50	705	62
	76-07-14	--	--	.04	--	--	1110	1.51	695	51
(D- 9-22)11DAC- 1	76-02-03	--	--	.01	--	--	569	.77	429	29
	76-04-07	--	--	.00	--	--	561	.76	428	29
	76-07-14	--	--	.05	--	--	589	.80	430	30
(D- 9-22)11DAC- 2	76-02-03	--	--	.00	--	--	450	.61	317	27
	76-04-08	--	--	.02	--	--	444	.60	319	30
	76-07-14	--	--	.04	--	--	474	.64	310	34
(D-10-20)15DCB- 1	76-01-15	--	--	.01	--	--	8640	11.8	976	1900
	76-04-06	--	--	.02	--	--	8010	10.9	1070	2000
	76-06-10	--	--	.05	--	--	8510	11.6	1030	2000
	76-07-13	--	--	.08	--	--	8670	11.8	1030	1900
(D-10-20)15DCB- 2	76-01-15	--	--	.03	--	--	10800	14.7	1300	2200
	76-04-06	--	--	.05	--	--	10100	13.7	1490	2800
	76-07-13	--	--	.08	--	--	11400	15.5	1500	2900
(D-10-20)35BBC- 1	74-08-20	2.0	3.1	.05	.11	2100	2150	2.86	1490	8
(D-10-21) 2ACA- 1	75-06-25	21	--	.18	--	--	8380	11.4	5000	7
(D-10-21) 8CDC- 1	76-01-19	--	--	.01	--	--	1440	1.96	389	56
	76-04-09	--	--	.01	--	--	1350	1.84	390	25
	76-07-14	--	--	.06	--	--	1390	1.89	390	45
(D-10-21) 8CDC- 2	76-01-19	--	--	.02	--	--	1660	2.26	272	260
	76-04-09	--	--	.00	--	--	1620	2.20	338	360
	76-07-14	--	--	.04	--	--	1700	2.31	336	410
(D-10-21)16ADD- 1	74-08-21	4.3	4.8	.06	.09	2310	2210	3.14	1310	5
	75-06-25	3.7	--	.04	--	--	2510	3.41	1350	13
(D-10-22)10ADA- 1	76-01-20	--	--	.04	--	--	18100	24.6	723	3200
	76-04-09	--	--	.02	--	--	18400	25.0	801	3800
	76-07-15	--	--	.04	--	--	18400	25.0	738	3700
(D-10-22)17AAD- 1	74-08-21	8.1	7.8	.02	.15	7860	6190	10.7	639	11
	75-06-25	6.7	--	.11	--	--	7880	10.7	2110	17
(D-10-23)23DBD- 1	76-01-07	--	--	.02	--	--	3530	4.80	474	1500
	76-04-19	--	--	.02	--	--	3630	4.94	455	1500
	76-06-15	.62	1.7	.00	.09	3620	3400	4.92	497	1400
	76-07-21	--	--	.03	--	--	3290	4.47	445	1400
(D-10-23)23DBD- 2	76-01-07	--	--	.02	--	--	1890	2.57	396	530
	76-04-19	--	--	.02	--	--	1850	2.52	401	550
	76-07-21	--	--	.03	--	--	1850	2.52	376	570
(D-10-24) 2DBC- 1	74-08-28	.07	.21	.00	.01	580	567	.79	237	310
	75-05-14	.05	.20	.02	.01	613	587	.83	219	340
(D-10-24)12BDB- 1	74-12-17	20	39	.03	.77	1330	1440	1.81	649	12
	75-11-12	3.7	4.9	.06	.04	1390	1400	1.89	734	5
	76-06-24	2.0	2.1	.03	.04	1390	1380	1.89	753	3
	76-09-14	2.0	2.4	.04	.04	1390	1390	1.89	753	7
(D-10-24)12CDA- 1	74-11-20	.32	.05	.00	.02	4430	4030	6.02	445	1100
	75-03-18	.31	.63	.05	.02	4320	4320	5.88	428	1200
	75-05-13	.33	.77	.01	.02	4350	4130	5.92	447	1200
	75-06-26	.35	1.0	.03	.02	4470	4130	6.08	440	1200
	75-08-17	1.2	.91	.00	.05	4360	4380	5.93	443	1300
	75-08-30	.13	.76	.00	.01	4450	4420	6.05	372	1200
	75-11-14	.41	1.4	.01	.01	4380	3970	5.96	452	1000
	76-06-24	.38	.76	.01	.01	4500	4330	6.12	456	1300
(D-10-24)13ADB- 1	74-11-19	.06	.15	.00	.05	494	556	.67	216	250
	74-12-17	.05	.20	.00	.04	563	636	.77	431	300
	75-11-12	.64	1.8	.00	.01	4530	4290	6.16	506	1200
	76-06-24	.70	1.2	.01	.04	5310	4920	7.22	507	1400
	76-09-16	2.1	2.8	.22	.25	6000	5950	8.16	1780	700
(D-10-24)13ADB- 2	74-11-19	.06	.14	.01	.65	3930	3500	5.34	490	1200
	74-11-21	.14	1.3	.00	.13	4320	4030	5.88	511	1300
	74-12-10	.18	.58	.02	.02	4280	3920	5.82	499	1200
	75-03-13	.11	.37	.04	.03	4200	3990	5.71	468	1300
	75-11-12	.08	1.0	.01	.01	3940	3750	5.36	526	1200
	76-06-24	.07	.59	.00	.01	3920	3560	5.33	528	1100
	76-09-16	.06	.46	.00	.00	3760	3700	5.11	456	1200
(D-10-24)13CCC- 1	74-11-22	.02	.49	.03	.04	4530	4140	6.16	463	1300
	74-12-13	.10	.56	.04	.01	4580	4520	6.23	470	1300
	75-03-14	.03	.41	.03	.00	4760	4560	6.47	453	1400
	75-11-13	.00	.81	.00	.01	4460	4240	6.07	460	1300
	76-03-21	.00	4.6	.01	.02	4610	4170	6.27	480	1200
	76-06-30	.03	.20	.00	.00	4240	4000	5.77	430	1100
	76-09-14	.00	.35	.01	.01	4320	3990	5.88	456	1200

TABLE 9.—CONTINUED

DATE OF SAMPLE	NON-CARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED ALUMINUM (AL) (UG/L)	DISSOLVED ANTIMONY (SB) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BARIUM (BA) (UG/L)	DISSOLVED BERYLLIUM (BE) (UG/L)	DISSOLVED BISMUTH (BI) (UG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)
76-02-03	0	96	34	--	--	--	--	--	--	1100	--	--
76-04-08	0	92	26	--	--	--	--	--	--	1300	--	--
76-07-14	0	95	33	--	--	--	--	--	--	1200	--	--
76-02-03	0	92	21	--	--	--	--	--	--	730	--	--
76-04-08	0	93	23	--	--	--	--	--	--	730	--	--
76-07-14	0	94	25	--	--	--	--	--	--	700	--	--
76-02-03	0	94	17	--	--	--	--	--	--	420	--	--
76-04-07	0	94	17	--	--	--	--	--	--	430	--	--
76-07-14	0	94	17	--	--	--	--	--	--	430	--	--
76-02-03	0	93	13	--	--	--	--	--	--	270	--	--
76-04-08	0	92	13	--	--	--	--	--	--	280	--	--
76-07-14	0	91	13	--	--	--	--	--	--	310	--	--
76-01-15	930	70	21	--	--	--	--	--	--	2000	--	--
76-04-06	900	68	19	--	--	--	--	--	--	21000	--	--
76-06-10	1000	69	20	--	--	--	--	--	--	21000	--	--
76-07-13	910	70	21	--	--	--	--	--	--	21000	--	--
76-01-15	920	73	26	--	--	--	--	--	--	19000	--	--
76-04-06	1300	64	19	--	--	--	--	--	--	22000	--	--
76-07-13	1400	66	21	--	--	--	--	--	--	22000	--	--
74-08-20	0	99	145	--	--	0	--	--	--	17000	--	--
75-06-25	0	100	675	0	--	--	3000	--	--	33000	--	--
76-01-19	0	95	28	--	--	--	--	--	--	520	--	--
76-04-09	0	97	41	--	--	--	--	--	--	2400	--	--
76-07-14	0	96	31	--	--	--	--	--	--	2500	--	--
76-01-19	0	79	13	--	--	--	--	--	--	1600	--	--
76-04-09	19	72	9.9	--	--	--	--	--	--	1600	--	--
76-07-14	70	70	9.5	--	--	--	--	--	--	1600	--	--
74-08-21	0	100	183	--	--	0	--	--	--	11000	--	--
75-06-25	0	99	128	30	--	--	900	<4	<25	12000	0	<20
76-01-20	2400	76	35	--	--	--	--	--	--	1400	--	--
76-04-09	3000	72	32	--	--	--	--	--	--	15000	--	--
76-07-15	2900	73	34	--	--	--	--	--	--	15000	--	--
74-08-21	0	100	327	--	--	0	--	--	--	20000	--	--
75-06-25	0	100	359	20	--	--	1900	<10	<70	21000	0	<50
76-01-07	1100	44	6.1	--	--	--	--	--	--	1200	--	--
76-04-19	1000	47	6.8	--	--	--	--	--	--	3800	--	--
76-06-15	900	47	6.6	0	0	1	0	0	<80	2400	0	10
76-07-21	940	47	6.7	--	--	--	--	--	--	5200	--	--
76-01-07	140	64	8.1	--	--	--	--	--	--	2000	--	--
76-04-19	150	62	7.6	--	--	--	--	--	--	2400	--	--
76-07-21	190	61	7.5	--	--	--	--	--	--	3100	--	--
74-08-28	74	34	1.8	--	--	2	--	--	--	90	--	--
75-05-14	120	32	1.7	10	--	1	--	--	--	50	--	--
74-12-17	0	98	63	4900	--	9	20	<10	<28	790	1	<10
75-11-12	0	99	103	10	--	4	20	10	<9	680	0	<10
76-06-24	0	100	126	70	3	2	0	20	<30	1100	0	<30
76-09-14	0	99	86	80	0	3	0	0	<12	670	0	<12
74-11-20	690	64	12	10	--	18	<100	<10	<22	2400	0	0
75-03-18	790	62	11	<10	--	8	<100	<10	<25	2200	0	6
75-05-13	770	62	11	10	--	5	25	0	<30	2300	0	0
75-06-26	780	62	11	10	--	3	32	0	<24	2200	0	0
75-08-17	850	61	11	0	--	1	30	<10	<25	2300	0	20
75-08-30	870	62	12	30	--	12	<200	<10	<25	2100	0	10
75-11-14	580	65	12	20	--	6	0	0	<75	1200	0	<10
76-06-24	800	61	11	20	0	9	100	20	<100	2090	0	<75
74-11-19	37	38	2.0	100	--	3	<100	<10	<3	190	0	0
74-12-17	66	34	1.8	290	--	4	<100	10	<10	30	0	<10
75-11-12	710	62	12	0	--	13	20	0	<25	1200	0	<10
76-06-24	900	63	13	30	1	3	100	20	<120	1200	0	<85
76-09-16	0	85	30	0	0	5	0	0	<42	78000	0	<42
74-11-19	720	57	9.3	10	--	3	<100	<10	<20	2100	1	0
74-11-21	800	58	10	20	--	19	<100	<10	<20	2000	0	0
74-12-10	750	60	11	0	--	12	<100	<10	<64	2300	1	<10
75-03-13	820	58	10	<10	--	22	<100	<10	<22	2300	0	25
75-11-12	700	58	9.6	0	--	24	0	10	<21	1900	0	10
76-06-24	600	58	9.3	40	1	16	100	20	<90	2700	0	<65
76-09-16	770	57	9.4	20	0	3	0	0	<27	2100	0	<27
74-11-22	820	59	11	10	--	19	<100	<10	<22	3100	1	0
74-12-13	860	61	11	0	--	10	<100	10	<70	3300	0	<10
75-03-14	980	59	11	<10	--	11	<100	<10	<25	3500	0	13
75-11-13	800	60	11	10	--	16	0	0	<75	3200	1	10
76-03-21	770	61	11	10	--	6	0	10	<100	3300	0	10
76-06-30	670	61	11	20	0	7	0	0	<100	1800	0	<70
76-09-14	710	62	11	30	0	7	0	0	<12	2900	0	<12

TABLE 9.—CONTINUED

LOCAL NUMBER	DATE OF SAMPLE	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED GALLIUM (GA) (UG/L)	DISSOLVED GERMANIUM (GE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED LITHIUM (LI) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
(D- 9-22)11ABB- 1	76-02-03	--	--	--	--	--	20	--	--	20
	76-04-08	--	--	--	--	--	--	--	--	--
	76-07-14	--	--	--	--	--	--	--	--	--
(D- 9-22)11ABB- 2	76-02-03	--	--	--	--	--	160	--	--	50
	76-04-08	--	--	--	--	--	--	--	--	--
	76-07-14	--	--	--	--	--	--	--	--	--
(D- 9-22)11DAC- 1	76-02-03	--	--	--	--	--	270	--	--	50
	76-04-07	--	--	--	--	--	--	--	--	--
	76-07-14	--	--	--	--	--	--	--	--	--
(D- 9-22)11DAC- 2	76-02-03	--	--	--	--	--	10	--	--	10
	76-04-08	--	--	--	--	--	--	--	--	--
	76-07-14	--	--	--	--	--	--	--	--	--
(D-10-20)15DCB- 1	76-01-15	--	--	--	--	--	--	--	--	--
	76-04-06	--	--	--	--	--	--	--	--	--
	76-06-10	--	--	--	--	--	--	--	--	--
	76-07-13	--	--	--	--	--	--	--	--	--
(D-10-20)15DCB- 2	76-01-15	--	--	--	--	--	--	--	--	--
	76-04-06	--	--	--	--	--	--	--	--	--
	76-07-13	--	--	--	--	--	--	--	--	--
(D-10-20)35BBC- 1	74-08-20	--	--	--	--	--	60	--	420	--
(D-10-21) 2ACA- 1	75-06-25	--	--	--	--	--	50	--	1000	--
(D-10-21) 8CDC- 1	76-01-19	--	--	--	--	--	--	--	--	--
	76-04-09	--	--	--	--	--	--	--	--	--
	76-07-14	--	--	--	--	--	--	--	--	--
(D-10-21) 8CDC- 2	76-01-19	--	--	--	--	--	--	--	--	--
	76-04-09	--	--	--	--	--	--	--	--	--
	76-07-14	--	--	--	--	--	--	--	--	--
(D-10-21)16ADD- 1	74-08-21	--	--	--	--	--	100	--	390	--
	75-06-25	--	<20	<4	<10	<25	130	<20	410	<20
(D-10-22)10ADA- 1	76-01-20	--	--	--	--	--	--	--	--	--
	76-04-09	--	--	--	--	--	--	--	--	--
	76-07-15	--	--	--	--	--	--	--	--	--
(D-10-22)17AAD- 1	74-08-21	--	--	--	--	--	90	--	590	--
	75-06-25	--	<50	<10	<20	<70	60	<50	620	<45
(D-10-23)23DBD- 1	76-01-07	--	--	--	--	--	--	--	--	--
	76-04-19	--	--	--	--	--	--	--	--	--
	76-06-15	10	0	2	<30	<80	30	8	130	380
	76-07-21	--	--	--	--	--	--	--	--	--
(D-10-23)23DBD- 2	76-01-07	--	--	--	--	--	--	--	--	--
	76-04-19	--	--	--	--	--	--	--	--	--
	76-07-21	--	--	--	--	--	--	--	--	--
(D-10-24) 2DBC- 1	74-08-28	--	--	--	--	--	540	--	0	--
	75-05-14	--	--	0	--	--	160	--	10	--
(D-10-24)12BDB- 1	74-12-17	--	3	3900	<12	<30	260	400	210	0
	75-11-12	--	0	50	<5	<10	80	31	320	5
	76-06-24	20	0	43	<10	<50	40	40	350	10
	76-09-14	10	0	21	<10	<30	60	18	350	10
(D-10-24)12CDA- 1	74-11-20	--	0	1	<7	<22	100	2	160	0
	75-03-18	--	0	2	<11	<25	290	1	220	40
	75-05-13	--	0	0	<10	<30	710	0	190	60
	75-06-26	--	1	0	<11	<36	1000	0	180	70
	75-08-17	--	3	4	<10	<25	30	0	210	40
	75-08-30	--	0	4	<6	<25	0	0	170	20
	75-11-14	--	0	0	<20	<80	410	1	170	50
	76-06-24	20	0	0	<30	<150	420	0	200	30
(D-10-24)13ADB- 1	74-11-19	--	1	5	<1	<3	50	1	0	0
	74-12-17	--	3	38	<5	<10	20	7	30	0
	75-11-12	--	0	0	<10	<40	2300	0	270	60
	76-06-24	20	0	0	<40	<150	950	0	320	40
	76-09-16	10	2	1	<40	<110	60	0	290	20
(D-10-24)13ADB- 2	74-11-19	--	1	6	<7	<20	530	2	200	230
	74-11-21	--	0	1	<7	<20	720	4	220	140
	74-12-10	--	4	1	<27	<70	700	0	230	130
	75-03-13	--	1	3	<10	<22	310	1	250	120
	75-11-12	--	3	0	<10	<30	4600	1	220	190
	76-06-24	20	9	0	<30	<130	3500	0	250	110
	76-09-16	20	4	3	<30	<70	3600	0	220	190
(D-10-24)13CCC- 1	74-11-22	--	0	1	<8	<22	410	1	150	0
	74-12-13	--	6	2	<30	<70	1100	0	190	20
	75-03-14	--	1	6	<12	<25	420	1	210	20
	75-11-13	--	2	3	<20	<80	600	0	140	30
	76-03-21	--	3	7	<30	<80	190	0	170	20
	76-06-30	30	3	6	<30	<140	580	0	140	10
	76-09-14	10	2	7	<10	<30	900	0	160	30

TABLE 9.—CONTINUED

DATE OF SAMPLE	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)	COLOR (PLAT-INUM-COBALT UNITS)
76-02-03	--	--	--	--	--	--	--	--	--	--	--	--
76-04-08	--	--	--	--	--	--	--	--	--	--	--	--
76-07-14	--	--	--	--	--	--	--	--	--	--	--	--
76-02-03	--	--	--	--	--	--	--	--	--	--	--	--
76-04-08	--	--	--	--	--	--	--	--	--	--	--	--
76-07-14	--	--	--	--	--	--	--	--	--	--	--	--
76-02-03	--	--	--	--	--	--	--	--	--	--	--	--
76-04-07	--	--	--	--	--	--	--	--	--	--	--	--
76-07-14	--	--	--	--	--	--	--	--	--	--	--	--
76-02-03	--	--	--	--	--	--	--	--	--	--	--	--
76-04-08	--	--	--	--	--	--	--	--	--	--	--	--
76-07-14	--	--	--	--	--	--	--	--	--	--	--	--
76-01-15	--	--	--	--	--	--	--	--	--	--	--	--
76-04-06	--	--	--	--	--	--	--	--	--	--	--	--
76-06-10	--	--	--	--	--	--	--	--	--	--	--	--
76-07-13	--	--	--	--	--	--	--	--	--	--	--	--
76-01-15	--	--	--	--	--	--	--	--	--	--	--	--
76-04-06	--	--	--	--	--	--	--	--	--	--	--	--
76-07-13	--	--	--	--	--	--	--	--	--	--	--	--
74-08-20	.0	--	--	0	--	480	--	--	--	0	--	--
75-06-25	--	--	--	--	--	340	--	--	--	--	--	--
76-01-19	--	--	--	--	--	--	--	--	--	--	--	--
76-04-09	--	--	--	--	--	--	--	--	--	--	--	--
76-07-14	--	--	--	--	--	--	--	--	--	--	--	--
76-01-19	--	--	--	--	--	--	--	--	--	--	--	--
76-04-09	--	--	--	--	--	--	--	--	--	--	--	--
76-07-14	--	--	--	--	--	--	--	--	--	--	--	--
74-08-21	.0	--	--	0	--	390	--	--	--	0	--	--
75-06-25	--	45	<20	--	<2	650	<25	<10	<20	0	<30	--
76-01-20	--	--	--	--	--	--	--	--	--	--	--	--
76-04-09	--	--	--	--	--	--	--	--	--	--	--	--
76-07-15	--	--	--	--	--	--	--	--	--	--	--	--
74-08-21	.0	--	--	0	--	810	--	--	--	10	--	--
75-06-25	--	110	<45	--	<5	970	<70	<25	<45	10	<70	--
76-01-07	--	--	--	--	--	--	--	--	--	--	--	--
76-04-19	--	--	--	--	--	--	--	--	--	--	--	--
76-06-15	.1	18	0	0	0	3400	<60	<40	1.4	860	<130	5
76-07-21	--	--	--	--	--	--	--	--	--	--	--	--
76-01-07	--	--	--	--	--	--	--	--	--	--	--	--
76-04-19	--	--	--	--	--	--	--	--	--	--	--	--
76-07-21	--	--	--	--	--	--	--	--	--	--	--	--
74-08-28	.0	--	--	0	--	1100	--	--	--	20	--	--
75-05-14	.1	--	--	0	--	1100	--	--	--	8	--	--
74-12-17	<.1	100	2	5	0	60	<30	<20	22	20	<40	40
75-11-12	.0	26	7	0	0	160	<9	<7	1.5	20	<20	16
76-06-24	.2	15	0	0	0	100	<30	<20	.5	260	<40	30
76-09-14	.0	20	0	0	0	170	<18	20	1.6	30	<20	25
74-11-20	.0	8	0	0	<1	6600	<22	<22	1.7	30	<33	5
75-03-18	.0	14	2	1	0	6500	<25	<25	.2	60	<25	20
75-05-13	.0	5	0	0	0	8700	<20	<10	.0	30	<30	5
75-06-26	.0	3	4	0	0	7600	<36	<11	.0	10	<60	8
75-08-17	.0	67	7	0	0	7200	<25	<10	2.1	90	<50	15
75-08-30	.0	18	54	0	0	6900	<25	<12	.2	130	<40	4
75-11-14	.0	5	2	0	0	6300	<80	<50	.7	20	<150	6
76-06-24	.0	4	7	0	0	4500	<75	<60	1.2	20	<130	10
74-11-19	.0	16	5	1	<1	510	<3	<3	2.6	40	<5	0
74-12-17	<.1	23	11	1	0	560	<11	<8	1.9	10	<16	0
75-11-12	.0	8	2	0	0	6500	<25	<20	.5	20	<50	11
76-06-24	.2	1	0	0	0	4100	<85	<70	.5	40	<150	30
76-09-16	.0	33	1	1	0	2200	<64	<20	6.0	20	<90	25
74-11-19	.0	64	1	0	<1	5500	<20	<20	2.6	20	<30	10
74-11-21	.0	39	3	0	<1	5600	<20	<20	3.1	30	<32	5
74-12-10	<.1	48	1	0	0	5600	<70	<45	.0	70	<100	5
75-03-13	.2	41	9	1	0	4500	<22	<22	.0	90	<22	3
75-11-12	.0	48	19	0	0	5700	<21	<20	1.0	60	<50	5
76-06-24	.4	50	16	0	0	4200	<65	<50	1.5	40	<120	65
76-09-16	.0	64	13	1	0	5500	80	<10	.0	30	<50	12
74-11-22	.0	90	5	2	<1	4300	<22	<25	3.2	30	<34	5
74-12-13	<.1	85	50	1	0	4400	<70	<45	.0	70	<100	2
75-03-14	.1	62	8	2	0	4300	<25	<25	.2	120	<25	3
75-11-13	.0	62	16	4	0	4300	<80	<50	1.4	70	<150	7
76-03-21	.1	48	5	5	0	4400	<80	<50	1.4	260	<100	6
76-06-30	.2	40	15	8	0	3800	<70	<60	1.1	50	<140	0
76-09-14	.0	65	11	3	0	4200	<18	<6	.9	130	<20	8

TABLE 9.—CONTINUED

LOCAL NUMBER	DATE OF SAMPLE	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	OIL AND GREASE (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)	TOTAL INORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	DISSOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUSPENDED GROSS ALPHA AS U-NAT. (UG/L)
(D- 9-22)11ABB- 1	76-02-03	--	--	--	--	--	--	--	--	--
	76-04-08	--	--	--	--	--	--	--	--	--
	76-07-14	--	--	--	--	--	--	--	--	--
(D- 9-22)11ABB- 2	76-02-03	--	--	--	--	--	--	--	--	--
	76-04-08	--	--	--	--	--	--	--	--	--
	76-07-14	--	--	--	--	--	--	--	--	--
(D- 9-22)11DAC- 1	76-02-03	--	--	--	--	--	--	--	--	--
	76-04-07	--	--	--	--	--	--	--	--	--
	76-07-14	--	--	--	--	--	--	--	--	--
(D- 9-22)11DAC- 2	76-02-03	--	--	--	--	--	--	--	--	--
	76-04-08	--	--	--	--	--	--	--	--	--
	76-07-14	--	--	--	--	--	--	--	--	--
(D-10-20)15DCB- 1	76-01-15	--	--	--	--	--	--	--	--	--
	76-04-06	--	--	--	--	--	--	--	--	--
	76-06-10	--	--	--	--	--	--	--	--	--
	76-07-13	--	--	--	--	--	--	--	--	--
(D-10-20)15DCB- 2	76-01-15	--	--	--	--	--	--	--	--	--
	76-04-06	--	--	--	--	--	--	--	--	--
	76-07-13	--	--	--	--	--	--	--	--	--
(D-10-20)35BBC- 1	74-08-20	--	--	--	--	--	--	--	--	--
(D-10-21) 2ACA- 1	75-06-25	--	--	--	--	--	--	--	--	--
(D-10-21) 8CDC- 1	76-01-19	--	--	--	--	--	--	--	--	--
	76-04-09	--	--	--	--	--	--	--	--	--
	76-07-14	--	--	--	--	--	--	--	--	--
(D-10-21) 8CDC- 2	76-01-19	--	--	--	--	--	--	--	--	--
	76-04-09	--	--	--	--	--	--	--	--	--
	76-07-14	--	--	--	--	--	--	--	--	--
(D-10-21)16ADD- 1	74-08-21	--	--	--	--	--	--	--	--	--
	75-06-25	--	--	--	--	--	--	--	--	--
(D-10-22)10ADA- 1	76-01-20	--	--	--	--	--	--	--	--	--
	76-04-09	--	--	--	--	--	--	--	--	--
	76-07-15	--	--	--	--	--	--	--	--	--
(D-10-22)17AAD- 1	74-08-21	--	--	--	--	--	--	--	--	--
	75-06-25	--	--	--	--	--	--	--	--	--
(D-10-23)23DBD- 1	76-01-07	--	--	--	--	--	--	--	--	--
	76-04-19	--	--	--	--	--	--	--	--	--
	76-06-15	91	3	--	4.9	--	.00	2	--	--
	76-07-21	--	--	--	--	--	--	--	--	--
(D-10-23)23DBD- 2	76-01-07	--	--	--	--	--	--	--	--	--
	76-04-19	--	--	--	--	--	--	--	--	--
	76-07-21	--	--	--	--	--	--	--	--	--
(D-10-24) 2DBC- 1	74-08-28	--	--	--	--	--	--	--	--	--
	75-05-14	--	--	--	--	--	--	--	--	--
(D-10-24)12BDB- 1	74-12-17	830	6	360	--	.0	--	--	<15	--
	75-11-12	100	1	60	--	156	--	--	<21	.8
	76-06-24	34	0	--	14	--	.01	32	<35	--
	76-09-14	66	3	--	8.1	--	.01	12	39	--
(D-10-24)12CDA- 1	74-11-20	28	0	11	--	.0	--	--	<38	--
	75-03-18	37	4	11	--	--	--	--	<53	--
	75-05-13	30	2	9.2	--	--	--	--	<68	--
	75-06-26	33	2	11	--	--	--	--	<60	--
	75-08-17	45	6	11	--	149	--	--	<40	2.0
	75-08-30	33	1	2.3	--	169	--	--	--	--
	75-11-14	40	1	21	--	113	--	--	<44	<.4
	76-06-24	49	0	--	11	--	.00	1	<76	--
(D-10-24)13ADB- 1	74-11-19	4	1	4.6	--	.0	--	--	13	--
	74-12-17	17	1	6.2	--	.0	--	--	<6.2	--
	75-11-12	33	0	21	--	115	--	--	<56	<.4
	76-06-24	40	2	--	10	--	--	0	<97	--
	76-09-16	90	0	--	30	--	.00	1	110	--
(D-10-24)13ADB- 2	74-11-19	79	3	70	--	122	--	--	<48	--
	74-11-21	39	3	14	--	9.8	--	--	<49	--
	74-12-10	30	2	14	--	.0	--	--	58	--
	75-03-13	24	3	11	--	--	--	--	62	--
	75-11-12	30	0	24	--	103	--	--	<67	1.8
	76-06-24	46	0	--	11	--	.00	0	<73	--
	76-09-16	30	0	--	13	--	.00	1	55	--
(D-10-24)13CCC- 1	74-11-22	75	2	34	--	.0	--	--	<67	--
	74-12-13	32	2	16	--	.0	--	--	<61	--
	75-03-14	27	--	14	--	--	--	--	<71	--
	75-11-13	29	0	9.5	--	112	--	--	58	<.4
	76-03-21	38	0	11	--	132	.00	4	83	<.4
	76-06-30	39	0	--	5.0	--	.00	12	<64	--
	76-09-14	93	0	--	9.7	--	.00	2	170	--

TABLE 9.—CONTINUED

DATE OF SAMPLE	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	CESIUM 137 DIS-SOLVED (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED NATURAL URANIUM (U) (UG/L)	DIS-SOLVED URANIUM (DIRECT FLUORO-METRIC) (PC/L)	DIS-SOLVED URANIUM (U) (UG/L)
76-02-03	--	--	--	--	--	--	--	--	--
76-04-08	--	--	--	--	--	--	--	--	--
76-07-14	--	--	--	--	--	--	--	--	--
76-02-03	--	--	--	--	--	--	--	--	--
76-04-08	--	--	--	--	--	--	--	--	--
76-07-14	--	--	--	--	--	--	--	--	--
76-02-03	--	--	--	--	--	--	--	--	--
76-04-07	--	--	--	--	--	--	--	--	--
76-07-14	--	--	--	--	--	--	--	--	--
76-02-03	--	--	--	--	--	--	--	--	--
76-04-08	--	--	--	--	--	--	--	--	--
76-07-14	--	--	--	--	--	--	--	--	--
76-01-15	--	--	--	--	--	--	--	--	--
76-04-06	--	--	--	--	--	--	--	--	--
76-06-10	--	--	--	--	--	--	--	--	--
76-07-13	--	--	--	--	--	--	--	--	--
76-01-15	--	--	--	--	--	--	--	--	--
76-04-06	--	--	--	--	--	--	--	--	--
76-07-13	--	--	--	--	--	--	--	--	--
74-08-20	--	--	--	--	--	--	--	--	--
75-06-25	--	--	--	--	--	--	--	--	--
76-01-19	--	--	--	--	--	--	--	--	--
76-04-09	--	--	--	--	--	--	--	--	--
76-07-14	--	--	--	--	--	--	--	--	--
76-01-19	--	--	--	--	--	--	--	--	--
76-04-09	--	--	--	--	--	--	--	--	--
76-07-14	--	--	--	--	--	--	--	--	--
74-08-21	--	--	--	--	--	--	--	--	--
75-06-25	--	--	--	--	--	--	--	--	--
76-01-20	--	--	--	--	--	--	--	--	--
76-04-09	--	--	--	--	--	--	--	--	--
76-07-15	--	--	--	--	--	--	--	--	--
74-08-21	--	--	--	--	--	--	--	--	--
75-06-25	--	--	--	--	--	--	--	--	--
76-01-07	--	--	--	--	--	--	--	--	--
76-04-19	--	--	--	--	--	--	--	--	--
76-06-15	--	--	--	--	--	.12	--	2.2	--
76-07-21	--	--	--	--	--	--	--	--	--
76-01-07	--	--	--	--	--	--	--	--	--
76-04-19	--	--	--	--	--	--	--	--	--
76-07-21	--	--	--	--	--	--	--	--	--
74-08-28	--	--	--	--	--	--	--	--	--
75-05-14	--	--	--	--	--	--	--	--	--
74-12-17	<4.5	--	<3.8	--	<1.0	.02	<.4	--	<.01
75-11-12	18	.6	14	.6	--	.04	--	--	.20
76-06-24	<5.0	--	<4.5	--	--	.08	--	--	.20
76-09-14	4.8	--	4.1	--	--	.07	--	--	.40
74-11-20	<9.9	--	<8.7	--	<1.0	.35	--	--	8.0
75-03-18	24	--	19	--	<1.0	.50	--	--	12
75-05-13	<18	--	<15	--	<1.0	.47	9.5	--	--
75-06-26	<31	--	<25	--	<1.0	<.40	--	--	11
75-08-17	<13	4.3	<11	3.6	<1.0	.38	--	--	11
75-08-30	--	--	--	--	<1.0	--	--	--	--
75-11-14	25	1.5	20	1.4	--	.36	--	13	--
76-06-24	<18	--	<14	--	--	.40	--	11	--
74-11-19	7.4	--	5.9	--	<1.0	.15	--	--	.01
74-12-17	12	--	<9.5	--	<1.0	.09	--	--	<.01
75-11-12	86	.6	77	.5	--	.21	--	5.4	--
76-06-24	<24	--	<19	--	--	.27	--	1.7	--
76-09-16	18	--	16	--	--	.70	--	11	--
74-11-19	14	--	12	--	<1.0	.06	--	--	11
74-11-21	19	--	16	--	<1.0	.20	--	--	7.5
74-12-10	17	--	14	--	<1.0	.17	11	--	--
75-03-13	30	--	24	--	<1.0	<.40	--	--	16
75-11-12	20	7.8	18	6.6	--	.10	--	21	--
76-06-24	<14	--	<12	--	--	<.01	--	21	--
76-09-16	8.5	--	7.6	--	--	.09	--	11	--
74-11-22	24	--	21	--	--	.21	--	--	14
74-12-13	15	--	13	--	<1.0	.21	20	--	--
75-03-14	40	--	32	--	<1.0	<.40	--	--	20
75-11-13	21	2.6	19	2.4	--	.16	--	20	--
76-03-21	37	3.5	31	3.2	2.0	.13	--	21	--
76-06-30	29	--	24	--	--	.15	--	20	--
76-09-14	22	--	17	--	--	.15	--	16	--

TABLE 9.—CONTINUED

LOCAL NUMBER	STATION IDENTIFICATION NUMBER	DATE OF SAMPLE	DEPTH BELOW LAND SURFACE (FT)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
(D-10-24)17DAD- 1	395651109140201	76-01-21	--	10.0	7250	7.7	19	790	370
		76-04-19	--	12.0	7000	7.9	19	730	380
		76-05-19	--	12.0	6650	8.1	20	700	390
		76-06-16	--	11.0	6700	7.7	21	670	390
		76-07-21	--	12.0	6180	7.7	20	630	350
		76-07-23	--	13.0	6770	7.7	21	650	370
		76-08-22	--	12.5	6540	7.7	20	600	360
(D-10-24)17DAD- 2	395651109140202	76-01-21	--	10.0	4790	7.8	18	400	220
		76-04-19	--	12.0	5000	7.4	19	440	290
		76-07-21	--	13.5	4510	7.6	19	390	220
(D-10-24)20AAD- 1	395617109134401	75-03-13	103.80	15.0	3500	8.0	20	29	37
		75-05-12	99.60	16.0	3700	7.9	20	27	41
		75-06-24	99.30	15.5	3000	8.4	22	29	49
		75-07-27	98.80	16.5	3600	8.5	21	30	51
		75-08-18	99.80	17.5	3500	8.0	20	28	50
		75-08-19	100.00	16.0	3730	8.3	19	25	54
		75-11-13	101.00	13.5	3600	8.1	17	28	48
		76-03-17	100.00	15.0	3800	8.0	20	33	61
		76-06-26	100.00	15.0	4260	8.0	21	36	67
		76-09-19	101.00	15.0	4200	7.9	21	19	68
(D-10-24)20AAD- 2	395617109134402	74-10-18	160.00	--	2370	7.8	18	30	32
		74-10-19	160.00	--	2050	8.9	8.8	20	23
		74-11-27	159.00	14.5	--	9.2	6.5	14	26
		74-12-11	158.00	14.5	2060	8.3	18	20	30
		75-03-13	157.70	15.0	2050	8.9	15	9.8	22
		75-05-12	157.30	16.0	2000	8.8	16	8.7	19
		75-06-24	157.20	15.0	2040	10.3	19	11	21
		75-09-11	158.00	16.0	2200	8.2	17	21	24
		75-09-12	158.00	16.0	1800	8.0	16	25	30
		75-11-13	158.00	14.0	1800	9.7	3.3	5.1	16
		76-06-26	157.00	16.5	2000	8.8	14	6.5	20
		76-09-19	157.00	15.0	1950	8.7	15	7.6	20
(D-10-24)22CAD- 1	395603109120801	74-11-25	456.00	17.5	4700	8.0	27	14	23
		74-12-13	461.00	16.5	4200	8.2	26	17	28
		75-03-17	456.00	16.5	4200	8.8	23	7.6	17
		75-05-15	461.00	17.0	3620	10.2	21	3.4	5.9
		75-06-26	462.00	17.0	--	8.2	22	3.7	8.4
		75-11-24	462.00	16.5	2400	9.0	15	75	3.5
		76-09-17	460.00	17.5	2400	9.2	15	1.8	2.2
(D-10-24)23BCA- 1	395614109111401	74-11-25	486.00	17.0	5900	7.5	26	64	140
		74-12-13	483.00	15.5	5600	7.5	27	64	160
		75-05-13	469.00	19.0	6000	8.0	24	66	150
		75-06-26	479.00	17.5	6070	7.8	25	67	180
		75-12-09	493.00	15.5	6070	8.3	25	48	170
		76-09-17	469.00	18.0	6100	8.4	24	69	170
(D-10-24)25BDD-2	395515109094902	75-03-24	27.00	10.5	--	--	1.0	580	.2
		75-04-29	20.00	7.5	3700	--	2.6	260	12
		75-05-28	28.00	--	5250	--	2.1	410	1.0
		75-07-21	28.00	--	5500	--	2.6	270	28
		75-08-06	28.00	12.5	4000	--	.7	200	7.1
		76-05-16	21.00	17.5	4090	8.0	4.2	98	140
		76-06-13	24.00	9.5	3800	7.3	3.2	130	68
		76-07-24	29.00	12.0	3500	8.3	4.5	160	.8
		76-08-22	29.00	10.0	3700	10.0	6.4	95	.2
(D-10-24)25CAA- 1	395510109094901	74-11-21	41.00	10.5	3600	7.7	27	60	110
		74-12-10	41.00	10.5	3450	8.4	27	52	110
		75-03-12	40.00	10.0	3300	8.0	27	41	100
		75-11-11	41.00	10.5	3200	7.8	27	40	94
		76-06-25	40.00	13.5	3300	8.4	28	41	96
(D-10-24)26CDD- 2	395453109111001	74-11-27	375.00	16.0	2050	8.2	14	4.4	8.2
		74-12-12	410.00	15.5	2000	7.4	14	4.8	8.6
		75-04-03	494.10	14.5	1950	9.0	13	3.6	5.5
		75-06-25	505.00	17.0	2050	8.7	14	3.1	4.2
		75-08-16	525.00	19.5	2150	--	14	2.5	3.6
		75-12-11	531.00	13.0	6460	9.5	17	1.0	1.6
		76-03-17	533.00	15.5	3370	9.6	15	2.9	4.2
		76-06-29	490.40	18.5	2350	8.5	13	6.5	6.9
(D-10-24)28DDB- 1	395500109124401	74-12-11	511.00	16.5	1270	8.4	18	11	7.8
		75-05-14	504.00	18.5	2500	8.8	--	4.8	2.6
		75-06-25	515.00	17.5	2900	8.3	16	1.9	2.6
		75-12-10	511.00	14.5	2640	8.4	15	2.4	3.7
		76-06-28	510.00	19.0	2770	9.4	16	13	1.8
		76-09-20	510.00	19.0	2600	8.9	--	1.4	1.6

TABLE 9.—CONTINUED

DATE OF SAMPLE	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DIS-SOL-VED SUL-FIDE (S) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)
76-01-21	770	7.6	345	0	4300	230	.2	--	--	5.5	--	--
76-04-19	830	7.6	350	0	4300	230	.2	--	--	7.8	--	--
76-05-19	730	5.5	339	0	4400	240	1.0	--	.0	6.4	.38	.09
76-06-16	750	6.0	341	0	4200	240	.5	.7	.0	5.8	.36	.06
76-07-21	840	8.0	334	--	3900	270	.2	--	--	7.6	--	--
76-07-23	810	6.8	372	0	4000	250	.7	--	.0	8.7	.16	.14
76-08-22	850	8.2	357	0	3800	280	.4	--	.0	7.9	.28	.01
76-01-21	470	7.7	330	0	2400	120	.3	--	--	1.6	--	--
76-04-19	520	7.6	350	0	2900	130	.3	--	--	2.0	--	--
76-07-21	490	7.1	351	--	2300	130	.3	--	--	1.7	--	--
75-03-13	790	3.1	578	0	1300	82	.8	--	14	.01	.00	1.8
75-05-12	770	2.2	600	0	1300	64	.5	--	4.4	.00	.00	1.7
75-06-24	820	1.8	627	0	1400	70	.5	--	3.7	.03	.00	1.8
75-07-27	840	11	651	0	1500	59	.4	--	1.0	.02	.01	2.0
75-08-18	850	2.7	629	0	1500	56	.4	--	2.6	.00	.00	1.6
75-08-19	810	2.2	629	0	1400	47	.4	--	3.2	.00	.00	1.8
75-11-13	840	2.0	608	0	1500	53	.6	--	1.0	.01	.01	2.2
76-03-17	850	1.9	664	0	1600	54	.6	.3	.1	.02	.00	2.0
76-06-26	890	1.5	672	0	1700	59	.5	.2	.2	.04	.00	2.0
76-09-19	940	2.2	675	0	1800	59	.4	.9	.8	.00	.00	2.2
74-10-18	460	3.3	529	0	730	36	.9	--	6.3	.00	.04	3.9
74-10-19	420	2.5	550	51	470	55	1.0	--	55	.07	--	1.9
74-11-27	420	1.4	572	34	450	36	1.0	--	1.0	.02	.00	.46
74-12-11	450	2.1	605	0	540	76	1.1	--	18	.01	.01	.53
75-03-13	450	2.6	644	47	410	64	1.2	--	66	.01	.00	.55
75-05-12	430	2.0	978	54	400	64	1.3	--	75	.00	.00	.43
75-06-24	450	1.8	470	189	310	82	1.3	--	80	.04	.01	.45
75-09-11	420	1.7	449	0	570	38	1.0	--	53	.00	.00	1.0
75-09-12	420	1.4	503	0	610	32	1.0	--	35	.00	.00	.94
75-11-13	410	1.8	387	127	440	33	1.2	--	7.0	.01	.01	.59
76-06-26	450	1.4	791	67	400	33	1.2	.1	34	.06	.04	.43
76-09-19	440	1.8	465	71	440	32	1.3	.2	50	.00	.00	.58
74-11-25	1100	8.1	1410	0	710	580	1.4	--	220	.00	.00	2.9
74-12-13	1100	3.2	905	0	1200	390	2.3	--	93	.03	.02	2.8
75-03-17	950	4.3	1272	98	400	540	2.3	--	240	.00	.01	2.3
75-05-15	870	3.0	1220	171	91	370	2.8	--	130	.00	.00	1.6
75-06-26	860	2.7	1090	0	410	400	2.2	--	160	.04	.01	1.4
75-11-24	660	1.9	915	124	350	240	1.2	--	29	.02	.00	1.0
76-09-17	580	1.8	419	34	740	50	1.3	.2	180	.00	.00	.79
74-11-25	1200	5.9	744	0	2600	140	.9	--	62	.01	.01	2.6
74-12-13	1200	3.4	735	0	2700	110	1.0	--	150	.02	.01	2.9
75-05-13	1200	4.1	631	0	2700	78	1.0	--	10	.00	.00	2.2
75-06-26	1300	4.3	571	0	3000	80	1.0	--	100	.02	.00	2.5
75-12-09	1200	3.9	726	0	2700	89	1.2	--	80	.00	.00	1.9
76-09-17	1300	4.9	435	5	3100	75	1.2	9.3	96	.00	.00	2.2
75-03-24	550	22	0	38	1000	44	.4	--	.2	.00	.00	.28
75-04-29	640	12	60	10	1800	45	.2	--	.0	1.8	.33	.18
75-05-28	640	18	746	0	1700	46	.3	--	.0	.91	.60	.03
75-07-21	700	25	0	37	1400	45	.4	--	.0	.93	.77	.50
75-08-06	740	6.4	1160	--	1200	44	.7	--	.0	1.1	.65	.38
76-05-16	730	9.2	195	0	2100	38	.5	--	.0	.70	.04	.15
76-06-13	670	15	161	0	1900	33	.5	.4	.0	.35	.24	1.1
76-07-24	640	18	52	0	1700	41	.6	--	--	--	--	--
76-08-22	660	22	48	50	1400	39	.5	--	.5	.23	.15	1.8
74-11-21	680	3.4	680	0	1400	87	.6	--	42	.03	.00	1.3
74-12-10	680	2.3	741	0	1300	90	.8	--	52	.01	.01	1.4
75-03-12	640	3.5	772	0	1100	86	.7	--	66	.01	.00	1.2
75-11-11	580	2.6	600	0	1100	74	.8	--	46	.00	.00	1.5
76-06-25	620	8.0	744	1	1200	100	.8	.4	48	.01	.01	1.1
74-11-27	490	2.1	957	0	310	31	2.0	--	18	.01	.00	.94
74-12-12	520	2.3	959	0	320	32	1.8	--	23	.00	.01	1.1
75-04-03	450	2.0	555	48	400	34	3.5	--	68	.02	.01	.62
75-06-25	470	1.6	663	67	300	53	5.1	--	18	.00	.00	.69
75-08-16	590	2.5	815	52	440	59	5.3	--	20	.00	.00	1.8
75-12-11	1700	5.2	1320	1160	290	310	21	--	74	.11	.00	4.8
76-03-17	790	3.0	1190	52	470	110	8.1	.6	3.0	.06	.00	5.6
76-06-29	560	1.7	829	82	500	43	2.7	.3	1.5	.02	.01	.54
74-12-11	300	3.4	508	0	230	45	1.0	--	3.3	.00	.00	1.2
75-05-14	610	2.1	860	207	--	--	--	--	100	--	--	.95
75-06-25	630	1.9	859	171	250	140	2.1	--	340	.03	.02	.96
75-12-10	640	1.8	810	68	350	170	2.6	--	120	.00	.00	.83
76-06-28	710	2.0	1270	156	640	55	2.0	.3	120	.00	.00	.64
76-09-20	680	2.2	454	280	500	55	2.6	.2	85	--	--	1.1

TABLE 9.—CONTINUED

LOCAL NUMBER	DATE OF SAMPLE	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	ALKA-LINITY AS CACO3 (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
(D-10-24)17DAD- 1	76-01-21	--	.03	--	--	6680	9.08	283	3500	3200
	76-04-19	--	.02	--	--	6710	9.13	287	3400	3100
	76-05-19	.83	.01	.46	7120	6700	9.68	278	3400	3100
	76-06-16	1.9	.00	1.2	7140	6480	9.71	280	3300	3000
	76-07-21	--	.04	--	--	6220	8.46	274	3000	2700
	76-07-23	3.3	.01	8.7	7060	6340	9.60	305	3200	2800
	76-08-22	.63	.02	1.2	6950	6150	9.45	293	3000	2700
(D-10-24)17DAD- 2	76-01-21	--	.01	--	--	3810	5.18	271	1900	1600
	76-04-19	--	.01	--	--	4490	6.11	287	2300	2000
	76-07-21	--	.02	--	--	3740	5.09	288	1900	1600
(D-10-24)20AAD- 1	75-03-13	1.8	.05	.02	2630	2570	3.58	474	230	0
	75-05-12	2.2	.05	.02	2670	2530	3.63	492	240	0
	75-06-24	2.0	.05	.02	2780	2710	3.78	514	280	0
	75-07-27	2.0	.00	.03	2820	2840	3.84	534	290	0
	75-08-18	1.5	.00	.05	2850	2830	3.88	516	280	0
	75-08-19	1.9	.01	.04	2730	2680	3.71	516	290	0
	75-11-13	3.4	.01	.01	2810	2790	3.82	499	270	0
	76-03-17	3.4	.01	.02	3030	2960	4.12	545	340	0
	76-06-26	2.0	.02	.01	3170	3110	4.31	551	370	0
	76-09-19	2.2	.02	.00	3200	3250	4.35	554	330	0
(D-10-24)20AAD- 2	74-10-18	5.0	.02	.06	1630	1590	2.22	434	210	0
	74-10-19	2.7	.05	.16	1440	1380	1.96	536	150	0
	74-11-27	.58	.01	.02	1290	1280	1.75	526	140	0
	74-12-11	.64	.01	.03	1460	1460	1.99	496	180	0
	75-03-13	.51	.03	.02	1370	1410	1.86	606	120	0
	75-05-12	.80	.05	.02	1270	1560	1.73	892	100	0
	75-06-24	.91	.09	.09	1280	1400	1.74	700	120	0
	75-09-11	1.1	.01	.02	1410	1370	1.92	368	150	0
	75-09-12	1.1	.04	.02	1430	1420	1.94	413	190	0
	75-11-13	.83	.02	.00	1210	1240	1.65	529	80	0
	76-06-26	.83	.08	.02	1300	1420	1.77	760	100	0
	76-09-19	.78	.02	.01	1290	1310	1.75	500	100	0
(D-10-24)22CAD- 1	74-11-25	2.8	.15	.11	3090	3400	4.20	1160	140	0
	74-12-13	3.0	.01	.07	3150	3320	4.28	742	160	0
	75-03-17	2.2	.32	.90	--	2930	3.98	1210	92	0
	75-05-15	2.4	.01	.12	2280	2280	3.10	1290	35	0
	75-06-26	2.0	.06	.15	2360	2420	3.21	894	47	0
	75-11-24	2.9	.05	.05	1770	1960	2.41	957	200	0
	76-09-17	1.2	.05	.05	1700	1820	2.31	400	15	0
(D-10-24)23BCA- 1	74-11-25	2.7	.02	.02	4760	4630	6.47	610	750	140
	74-12-13	2.8	.00	.03	4760	4800	6.47	603	830	230
	75-05-13	3.3	.40	.42	4740	4570	6.45	518	800	280
	75-06-26	3.1	.06	.05	4310	5060	5.86	468	920	460
	75-12-09	4.4	.04	.05	4870	4690	6.62	595	830	240
	76-09-17	2.8	.01	.00	4970	5090	6.76	365	890	520
(D-10-24)25BDD- 2	75-03-24	1.1	.04	.05	3220	2740	4.38	1530	1500	1400
	75-04-29	.62	.01	.04	2890	2820	3.93	66	700	640
	75-05-28	1.2	.03	.11	3150	3190	4.28	612	1000	420
	75-07-21	1.8	.00	.00	2960	2750	4.03	767	790	730
	75-08-06	3.4	.02	1.1	2740	2780	3.73	951	530	0
	76-05-16	.76	.01	.42	3430	3220	4.66	160	820	660
	76-06-13	1.8	.00	.95	3050	2900	4.15	132	610	480
	76-07-24	--	--	--	--	2590	3.52	43	400	360
	76-08-22	8.8	.00	1.9	2200	2300	2.99	123	240	120
(D-10-24)25CAA- 1	74-11-21	1.6	.04	.03	2820	2760	3.84	558	620	58
	74-12-10	1.6	.03	.01	2700	2700	3.67	608	600	0
	75-03-12	1.4	.05	.08	2470	2460	3.36	633	530	0
	75-11-11	3.1	.01	.02	2370	2280	3.22	492	500	8
	76-06-25	1.4	.02	.02	2520	2520	3.43	612	510	0
(D-10-24)26CDD- 2	74-11-27	2.5	.03	.38	1350	1360	1.84	785	46	0
	74-12-12	1.8	.04	.14	1390	1400	1.89	787	49	0
	75-04-03	1.4	.00	.04	1300	1310	1.77	535	33	0
	75-06-25	3.3	.03	.37	1270	1270	1.73	655	27	0
	75-08-16	2.3	.00	.34	1620	1600	2.20	755	22	0
	75-12-11	18	.47	.60	4350	4240	5.92	3010	9	0
	76-03-17	10	.46	.15	2300	2040	3.13	1060	25	0
	76-06-29	1.5	.00	.05	1520	1630	2.07	816	46	0
(D-10-24)28DDB- 1	74-12-11	1.5	.07	.09	878	875	1.19	417	61	0
	75-05-14	1.6	--	.05	1630	--	2.22	1050	23	0
	75-06-25	1.8	.08	.11	1650	1980	2.24	989	16	0
	75-12-10	3.6	.02	.00	1740	1780	2.37	778	22	0
	76-06-28	1.7	.08	.06	1910	2350	2.60	1300	40	0
	76-09-20	1.7	--	.03	1810	--	2.46	839	11	0

TABLE 9.—CONTINUED

DATE OF SAMPLE	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ANTI-MONY (SB) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)
76-01-21	32	5.7	--	--	--	--	--	--	440	--	--	--
76-04-19	35	6.2	--	--	--	--	--	--	1300	--	--	--
76-05-19	32	5.5	10	0	0	400	20	<160	440	0	<100	70
76-06-16	33	5.7	20	1	2	0	10	<130	250	4	<100	140
76-07-21	38	6.7	--	--	--	--	--	--	510	--	--	--
76-07-23	36	6.3	20	0	1	0	20	<150	570	2	<100	320
76-08-22	38	6.8	30	0	2	0	0	<150	520	1	<100	100
76-01-21	35	4.7	--	--	--	--	--	--	380	--	--	--
76-04-19	33	4.7	--	--	--	--	--	--	440	--	--	--
76-07-21	36	4.9	--	--	--	--	--	--	320	--	--	--
75-03-13	88	23	10	--	25	45	<10	<15	320	0	13	--
75-05-12	88	22	10	--	10	30	0	<20	340	0	0	--
75-06-24	87	22	30	--	24	25	0	<16	330	1	0	--
75-07-27	86	22	30	--	1	<100	<10	--	330	0	0	--
75-08-18	87	22	10	--	1	<100	<10	<17	320	0	10	--
75-08-19	86	21	10	--	16	20	<10	<16	280	0	0	--
75-11-13	87	22	10	--	3	100	20	<55	310	0	<10	--
76-03-17	85	20	10	--	0	0	0	<65	310	0	0	--
76-06-26	84	20	20	0	1	0	0	<80	180	0	<60	20
76-09-19	86	23	0	0	1	0	0	<23	320	0	<23	10
74-10-18	83	14	--	--	19	--	--	--	360	--	--	--
74-10-19	86	15	--	--	2	--	--	--	620	--	--	--
74-11-27	86	15	0	--	2	<100	<10	<25	670	0	<10	--
74-12-11	85	15	0	--	13	<100	<10	<23	1100	0	<10	--
75-03-13	89	18	10	--	9	25	<10	<9	1200	0	13	--
75-05-12	90	19	<10	--	5	25	0	<10	790	0	0	--
75-06-24	89	18	30	--	4	20	0	<13	910	1	0	--
75-09-11	86	15	20	--	8	<100	10	--	740	0	10	--
75-09-12	83	13	0	--	10	<100	10	<9	590	0	10	--
75-11-13	92	20	0	--	2	0	20	<25	580	0	<10	--
76-06-26	91	20	10	0	3	0	0	<35	440	0	<25	20
76-09-19	90	19	0	0	3	0	0	<11	780	0	<11	0
74-11-25	94	42	20	--	10	300	<10	<16	6900	1	0	--
74-12-13	94	38	0	--	1	300	<10	<46	8000	0	<10	--
75-03-17	96	44	20	--	6	200	<10	<17	8200	0	25	--
75-05-15	98	66	10	--	28	500	0	<10	7500	0	10	--
75-06-26	98	57	30	--	150	600	0	<11	6500	0	0	--
75-11-24	88	20	20	--	210	0	0	<35	2200	0	<10	--
76-09-17	99	69	40	0	100	100	0	<14	1800	0	<14	10
74-11-25	78	19	0	--	3	<100	<10	<24	3800	0	0	--
74-12-13	76	18	0	--	1	<100	10	<75	4000	0	<10	--
75-05-13	77	19	10	--	2	23	0	<35	3700	0	0	--
75-06-26	76	19	0	--	2	0	0	<27	3700	0	0	--
75-12-09	76	18	200	--	0	<20	0	<85	3000	0	<85	--
76-09-17	76	19	30	0	1	0	0	<35	3800	0	<35	20
75-03-24	45	6.3	30	--	1	<100	<10	--	250	0	10	--
75-04-29	66	11	20	--	0	0	0	--	460	0	0	--
75-05-28	57	8.7	50	--	1	0	0	--	40	0	0	--
75-07-21	65	11	--	--	1	--	--	--	60	0	--	--
75-08-06	75	14	--	--	2	--	<10	--	70	--	--	--
76-05-16	66	11	10	0	0	0	20	<70	30	0	<50	20
76-06-13	70	12	0	0	0	0	10	<50	640	0	<50	340
76-07-24	77	14	--	0	--	--	--	--	170	--	--	--
76-08-22	84	19	150	0	1	0	10	--	90	0	--	360
74-11-21	71	12	0	--	48	<100	<10	<14	40	0	0	--
74-12-10	72	12	0	--	20	100	<10	<40	3200	0	<10	--
75-03-12	73	12	<10	--	24	13	<10	<15	3600	0	0	--
75-11-11	72	11	0	--	13	0	0	<15	1700	0	<10	--
76-06-25	73	12	20	0	5	100	20	<60	1200	0	<45	0
74-11-27	96	32	0	--	52	<100	<10	<27	1400	0	<10	--
74-12-12	96	33	0	--	4	<100	<10	<21	1300	0	<10	--
75-04-03	97	35	40	--	65	<100	<10	--	2000	0	0	--
75-06-25	97	41	40	--	60	200	0	<13	2400	0	0	--
75-08-16	98	56	30	--	45	<100	<10	--	5000	0	20	--
75-12-11	100	245	60	--	12	0	10	<60	--	0	10	--
76-03-17	98	69	10	--	10	0	0	<80	880	0	0	--
76-06-29	96	36	100	0	30	0	0	<45	1900	0	<30	20
74-12-11	91	17	0	--	65	100	<10	<17	1200	0	<10	--
75-05-14	98	56	30	--	75	90	0	<10	2000	0	0	--
75-06-25	99	70	50	--	95	100	0	<12	2300	0	0	--
75-12-10	98	60	30	--	0	300	10	<35	2000	0	0	--
76-06-28	97	49	140	0	19	100	10	<50	1000	0	<40	20
76-09-20	99	93	60	0	34	0	0	<15	2600	0	<15	0

TABLE 9.--CONTINUED

LOCAL NUMBER	DATE OF SAMPLE	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)
(D-10-24)17DAD- 1	76-01-21	--	--	--	--	--	--	--	--	--
	76-04-19	--	--	--	--	--	--	--	--	--
	76-05-19	0	3	<50	<200	20	0	40	2100	.3
	76-06-16	3	11	<50	<130	40	9	40	2300	.3
	76-07-21	--	--	--	--	--	--	--	--	--
	76-07-23	0	18	<40	<150	40	2	40	2500	.5
	76-08-22	1	6	<40	<200	20	2	40	2200	.0
(D-10-24)17DAD- 2	76-01-21	--	--	--	--	--	--	--	--	--
	76-04-19	--	--	--	--	--	--	--	--	--
	76-07-21	--	--	--	--	--	--	--	--	--
(D-10-24)20AAD- 1	75-03-13	0	0	<7	<15	160	1	330	60	.1
	75-05-12	1	0	<7	<20	280	2	310	60	.0
	75-06-24	1	0	<8	<24	190	1	300	40	.0
	75-07-27	0	3	--	--	10	1	300	30	.0
	75-08-18	2	4	<8	<17	20	1	370	40	.0
	75-08-19	1	4	<8	<16	100	0	360	20	.0
	75-11-13	0	0	<10	<60	90	1	300	40	.0
	76-03-17	0	2	<20	<50	40	1	350	30	.0
	76-06-26	0	0	<20	<120	40	0	380	30	.0
	76-09-19	0	1	<20	<60	200	0	370	30	.0
(D-10-24)20AAD- 2	74-10-18	--	0	--	--	90	--	240	--	.0
	74-10-19	--	0	--	--	140	--	280	--	.0
	74-11-27	3	2	<11	<27	60	0	260	250	<.1
	74-12-11	2	0	<10	<24	90	0	270	130	<.1
	75-03-13	0	0	<4	<9	60	1	310	40	.1
	75-05-12	0	1	<4	<10	60	1	290	20	.1
	75-06-24	1	0	<4	<13	130	1	290	40	.0
	75-09-11	1	0	--	--	10	0	360	10	.0
	75-09-12	1	0	<4	<20	0	0	360	10	.0
	75-11-13	0	0	<6	<30	50	0	230	40	.0
	76-06-26	0	0	<10	<50	320	0	300	50	.0
	76-09-19	0	0	<10	<30	120	0	290	60	.0
(D-10-24)22CAD- 1	74-11-25	2	12	<5	<16	110	2	940	20	.0
	74-12-13	2	1	<20	<50	80	2	960	20	<.1
	75-03-17	0	0	<8	<17	60	1	890	50	.0
	75-05-15	0	2	<5	<10	120	1	640	60	.0
	75-06-26	0	2	<6	<17	60	1	720	60	.0
	75-11-24	1	0	<8	<40	100	3	610	20	.1
	76-09-17	0	1	<10	<30	90	0	680	20	.0
(D-10-24)23BCA- 1	74-11-25	0	1	<8	<24	20	2	960	0	.0
	74-12-13	2	0	<35	<80	70	0	990	0	<.1
	75-05-13	0	0	<10	<35	180	2	1000	40	.0
	75-06-26	1	0	<13	<40	90	0	920	40	.0
	75-12-09	<85	<20	<40	<180	320	<85	970	40	--
	76-09-17	0	0	<40	<90	220	0	970	60	.0
(D-10-24)25BDD- 2	75-03-24	0	60	--	--	20	14	100	0	.0
	75-04-29	0	22	--	--	50	0	90	5	.0
	75-05-28	0	130	--	--	30	2	110	20	.0
	75-07-21	0	--	--	--	10	9	130	--	.1
	75-08-06	--	--	--	--	--	--	--	--	--
	76-05-16	0	2	<20	<100	0	0	90	40	.2
	76-06-13	0	4	<20	<70	30	0	80	10	.3
	76-07-24	--	--	--	--	50	--	--	10	--
	76-08-22	0	17	--	--	20	0	30	0	.0
(D-10-24)25CAA- 1	74-11-21	1	1	<5	<14	110	1	1000	20	.0
	74-12-10	2	1	<18	<45	60	1	1100	10	<.1
	75-03-12	0	0	<7	<20	60	1	1400	10	.1
	75-11-11	0	0	<7	<20	120	2	1100	30	.0
	76-06-25	0	0	<20	<90	180	0	1300	20	--
(D-10-24)26CDD- 2	74-11-27	3	37	<12	<30	60	1	530	0	<.1
	74-12-12	2	5	<10	<23	110	0	550	0	<.1
	75-04-03	0	8	--	--	60	0	700	0	.1
	75-06-25	1	0	<4	<13	190	2	710	10	.0
	75-08-16	0	4	--	--	730	3	810	10	.0
	75-12-11	0	3	<30	<130	70	2	530	10	.2
	76-03-17	0	12	<30	<60	140	2	580	30	--
	76-06-29	0	4	<20	<60	280	0	680	40	.3
(D-10-24)28DDB- 1	74-12-11	2	1	<8	<20	80	1	250	10	<.1
	75-05-14	1	1	<4	<10	210	1	470	10	.0
	75-06-25	0	1	<4	<12	80	0	470	10	.0
	75-12-10	0	7	<20	<80	100	1	470	20	.3
	76-06-28	0	0	<20	<80	210	0	540	20	.4
	76-09-20	2	18	<20	<40	280	1	530	20	.0

TABLE 9.—CONTINUED

DATE OF SAMPLE	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)	COLOR (PLAT-INUM-COBALT UNITS)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)
76-01-21	--	--	--	--	--	--	--	--	--	--	--	--
76-04-19	--	--	--	--	--	--	--	--	--	--	--	--
76-05-19	0	3	18	0	11000	<100	<70	5.2	4300	<150	0	--
76-06-16	5	5	42	0	5200	<100	<70	5.4	3400	<200	0	36
76-07-21	--	--	--	--	--	--	--	--	--	--	--	--
76-07-23	0	2	55	0	4500	<100	<100	3.9	2500	<150	0	--
76-08-22	7	4	37	0	8200	<150	<100	2.8	4600	<200	3	--
76-01-21	--	--	--	--	--	--	--	--	--	--	--	--
76-04-19	--	--	--	--	--	--	--	--	--	--	--	--
76-07-21	--	--	--	--	--	--	--	--	--	--	--	--
75-03-13	29	2	1	0	4000	<15	<15	1.2	20	<15	5	27
75-05-12	11	1	0	0	4500	<15	<8	.0	30	<20	4	16
75-06-24	11	4	0	0	4700	<24	<8	.4	20	<35	4	12
75-07-27	57	4	0	0	5100	--	--	1.0	10	--	5	11
75-08-18	38	0	0	0	4700	<17	<8	1.7	10	<35	20	10
75-08-19	74	0	0	0	4600	<16	<8	1.9	10	<35	23	10
75-11-13	34	2	0	0	4600	<55	<30	.7	20	<100	3	4
76-03-17	29	0	0	0	5600	<45	<30	.4	20	<70	3	14
76-06-26	14	0	0	0	4600	<60	<50	.0	10	<120	5	79
76-09-19	18	0	0	0	6400	<34	<10	.5	10	<50	3	6
74-10-18	--	--	0	--	3100	--	--	--	80	--	--	--
74-10-19	--	--	0	--	3100	--	--	--	10	--	--	--
74-11-27	140	3	0	0	2100	<27	<17	3.2	10	<37	0	8
74-12-11	14	16	0	0	2600	<23	<15	1.2	0	<30	3	38
75-03-13	2	2	0	0	2000	<9	<9	.0	20	<9	40	97
75-05-12	0	1	0	0	2300	<9	<4	.4	20	<10	3	92
75-06-24	0	4	0	0	2600	<13	<4	.8	0	<13	10	100
75-09-11	1	2	0	0	2900	--	--	1.1	10	--	2	87
75-09-12	31	0	0	0	3300	<9	<4	5.7	10	<20	2	81
75-11-13	4	2	0	0	950	<25	<20	.2	0	<50	6	18
76-06-26	0	0	0	0	1300	<25	<20	.0	20	<50	5	82
76-09-19	0	2	0	0	1500	<16	<5	.5	10	<20	32	84
74-11-25	3	7	0	<1	4800	<16	<16	<11	30	<24	--	370
74-12-13	2	18	0	0	4800	<50	<32	20	20	<70	E200	210
75-03-17	0	3	0	1	2900	<17	<17	5.0	10	<17	20	330
75-05-15	0	1	0	0	1600	<10	<6	3.3	20	<17	15	210
75-06-26	1	6	0	0	2100	<17	<6	.5	20	<24	35	180
75-11-24	1	5	0	0	1100	<35	<20	28	0	<80	100	240
76-09-17	0	2	0	0	860	41	<7	1.3	30	<30	48	240
74-11-25	1	1	0	<1	11000	<24	<25	2.5	20	<37	--	19
74-12-13	0	6	0	0	11000	<80	<50	1.6	20	<100	3	310
75-05-13	1	0	0	0	13000	<25	<10	.0	40	<35	--	120
75-06-26	0	5	0	0	13000	<40	<13	3.4	0	<60	15	120
75-12-09	23	<84	0	0	9700	<85	<60	3.9	150	<200	200	150
76-09-17	0	1	0	0	12000	58	<20	.4	40	<70	360	120
75-03-24	250	3	4	0	2400	--	--	.0	10	--	20	68
75-04-29	75	0	4	0	2100	--	--	1.0	10	--	2	34
75-05-28	140	4	2	0	2200	--	--	1.9	40	--	9	71
75-07-21	--	6	--	0	--	--	--	2.3	--	--	8	160
75-08-06	--	--	--	--	--	--	--	4.1	--	--	20	180
76-05-16	22	0	0	0	2100	<50	<40	.7	0	<70	5	--
76-06-13	33	4	0	0	1900	<50	<30	1.0	20	<70	30	39
76-07-24	--	--	--	--	--	--	--	--	--	--	--	--
76-08-22	93	4	0	0	880	--	--	1.8	0	--	90	--
74-11-21	4	3	0	1	11000	<14	<15	3.7	30	<22	10	45
74-12-10	5	8	2	0	11000	<45	<30	1.1	30	<60	5	93
75-03-12	0	3	0	0	11000	<15	<15	.2	20	<30	8	110
75-11-11	0	2	0	0	12000	<15	<10	3.9	30	<30	8	140
76-06-25	0	0	0	0	9400	<45	<40	.8	30	<90	30	130
74-11-27	6	42	2	0	1100	<30	<20	1.4	10	<40	30	140
74-12-12	23	1	2	0	1100	<23	<15	.5	20	<30	30	71
75-04-03	2	4	0	0	1000	--	--	.0	10	--	40	110
75-06-25	1	6	0	0	1200	<13	<4	2.1	10	<13	25	170
75-08-16	8	2	0	0	760	--	--	9.6	280	--	120	140
75-12-11	9	2	0	0	240	<60	<40	3.8	30	<130	140	310
76-03-17	4	4	0	0	310	<55	<40	5.5	60	<80	35	100
76-06-29	4	1	0	0	1000	<30	<30	4.6	30	<60	5	40
74-12-11	10	26	1	0	1500	<20	<12	.8	50	<25	10	43
75-05-14	2	8	0	0	530	<8	<4	.0	6	<10	40	170
75-06-25	1	5	0	0	520	<12	15	3.0	0	<12	--	150
75-12-10	2	2	0	0	460	<35	<20	1.0	20	<80	10	210
76-06-28	0	0	0	0	450	<40	<30	.0	10	<80	200	370
76-09-20	3	1	0	0	360	<23	<8	2.2	10	<30	100	160

TABLE 9.—CONTINUED

LOCAL NUMBER	DATE OF SAMPLE	OIL AND GREASE (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)	TOTAL IN-ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)
(D-10-24)17DAD- 1	76-01-21	--	--	--	--	--	--	--	--	--
	76-04-19	--	--	--	--	--	--	--	--	--
	76-05-19	--	--	7.6	--	.00	--	--	--	--
	76-06-16	2	--	11	--	.00	1	--	--	--
	76-07-21	--	--	--	--	--	--	--	--	--
	76-07-23	--	--	6.0	--	.00	--	--	--	--
	76-08-22	--	--	9.2	--	.00	--	--	--	--
(D-10-24)17DAD- 2	76-01-21	--	--	--	--	--	--	--	--	--
	76-04-19	--	--	--	--	--	--	--	--	--
	76-07-21	--	--	--	--	--	--	--	--	--
(D-10-24)20AAD- 1	75-03-13	5	4.1	--	--	--	--	<32	--	<7.8
	75-05-12	1	3.3	--	--	--	--	<27	--	<14
	75-06-24	3	19	--	109	--	--	<30	--	<19
	75-07-27	1	5.0	--	--	--	--	--	--	--
	75-08-18	0	3.0	--	257	--	--	<31	<.4	<11
	75-08-19	0	16	--	258	--	--	<37	<.4	<11
	75-11-13	1	43	--	123	--	--	<24	<.4	32
	76-03-17	1	--	--	--	.00	6	<26	<.4	<6.7
	76-06-26	0	--	--	--	.00	7	<24	--	<13
	76-09-19	39	--	1.7	--	.00	2	<35	--	<7.6
(D-10-24)20AAD- 2	74-10-18	--	--	--	--	--	--	--	--	--
	74-10-19	--	--	--	--	--	--	--	--	--
	74-11-27	1	4.1	--	.0	--	--	<18	--	6.5
	74-12-11	2	5.2	--	.0	--	--	<16	--	5.0
	75-03-13	4	3.3	--	--	--	--	<21	--	<5.4
	75-05-12	2	2.3	--	--	--	--	44	--	<4.8
	75-06-24	--	2.8	--	123	--	--	<15	--	<11
	75-09-11	1	3.7	--	--	--	--	<16	--	8.1
	75-09-12	4	1.9	--	--	--	--	<23	--	<4.0
	75-11-13	0	14	--	105	--	--	<9.7	<.4	9.4
	76-06-26	0	--	--	--	.00	2	<20	--	<5.0
	76-09-19	4	--	2.9	--	.00	2	<14	--	<4.0
(D-10-24)22CAD- 1	74-11-25	0	20	--	62	--	--	<36	--	<10
	74-12-13	3	16	--	.0	--	--	<24	--	<8.4
	75-03-17	7	11	--	--	--	--	56	--	<16
	75-05-15	3	12	--	--	--	--	<41	--	14
	75-06-26	8	8.5	--	--	--	--	<34	--	<13
	75-11-24	1	18	--	145	--	--	<18	2.5	<6.4
	76-09-17	0	--	5.8	--	.00	3	34	--	<5.9
(D-10-24)23BCA- 1	74-11-25	5	8.0	--	9.3	--	--	<53	--	<12
	74-12-13	1	12	--	5.1	--	--	<57	--	<13
	75-05-13	1	12	--	--	--	--	<65	--	<23
	75-06-26	12	11	--	--	--	--	<66	--	37
	75-12-09	8	13	--	16	--	--	<84	<1.6	20
	76-09-17	11	--	11	--	.00	3	220	--	30
(D-10-24)25BDD- 2	75-03-24	3	28	--	--	--	--	<33	--	<30
	75-04-29	2	17	--	--	--	--	<39	--	26
	75-05-28	3	13	--	--	--	--	--	--	--
	75-07-21	3	60	--	136	--	--	--	--	--
	75-08-06	--	50	--	757	--	--	--	--	--
	76-05-16	--	--	9.0	--	.00	--	--	--	--
	76-06-13	3	--	17	--	.00	1	<52	--	19
	76-07-24	--	--	--	--	--	--	--	--	--
	76-08-22	--	--	22	--	.00	--	--	--	--
(D-10-24)25CAA- 1	74-11-21	6	16	--	9.0	--	--	<17	--	<6.0
	74-12-10	2	39	--	.0	--	--	<24	--	8.4
	75-03-12	5	14	--	--	--	--	<32	--	<7.1
	75-11-11	1	33	--	141	--	--	<36	<.4	12
	76-06-25	0	--	--	--	.00	3	<20	--	<10
(D-10-24)26CDD- 2	74-11-27	1	32	--	.0	--	--	<22	--	<4.1
	74-12-12	4	44	--	.0	--	--	<20	--	5.3
	75-04-03	2	13	--	--	--	--	31	--	5.6
	75-06-25	1	25	--	--	--	--	<15	--	<11
	75-08-16	9	21	--	386	--	--	--	--	--
	75-12-11	15	16	--	180	--	--	<71	2.8	17
	76-03-17	4	--	--	--	.00	0	<28	1.7	<7.6
	76-06-29	0	--	5.2	--	.00	7	<18	--	<4.7
(D-10-24)28DDB- 1	74-12-11	2	7.6	--	.0	--	--	<16	--	6.5
	75-05-14	2	9.0	--	--	--	--	<22	--	<6.9
	75-06-25	0	7.2	--	--	--	--	<21	--	14
	75-12-10	4	13	--	18	--	--	<26	1.9	11
	76-06-28	0	--	--	--	--	0	<22	--	<7.2
	76-09-20	24	--	21	--	.00	1	<21	--	<6.0

TABLE 9.—CONTINUED

DATE OF SAMPLE	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	CESIUM 137 DIS-SOLVED (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED NATURAL URANIUM (U) (UG/L)	DIS-SOLVED URANIUM (DIRECT FLUORO-METRIC) (PC/L)	DIS-SOLVED URANIUM (U) (UG/L)
76-01-21	--	--	--	--	--	--	--	--
76-04-19	--	--	--	--	--	--	--	--
76-05-19	--	--	--	--	--	--	--	--
76-06-16	--	--	--	--	--	--	--	--
76-07-21	--	--	--	--	--	--	--	--
76-07-23	--	--	--	--	--	--	--	--
76-08-22	--	--	--	--	--	--	--	--
76-01-21	--	--	--	--	--	--	--	--
76-04-19	--	--	--	--	--	--	--	--
76-07-21	--	--	--	--	--	--	--	--
75-03-13	--	<6.4	--	<1.0	<.40	--	--	.26
75-05-12	--	<11	--	<1.0	.13	--	--	.24
75-06-24	--	<15	--	<1.0	<.40	--	--	.43
75-07-27	--	--	--	--	--	--	--	--
75-08-18	<.4	<8.6	<.4	<1.0	.14	--	--	.38
75-08-19	<.4	<8.8	<.4	<1.0	.09	--	--	.30
75-11-13	<.4	27	<.4	<1.0	.08	--	--	.20
76-03-17	<.4	<5.7	<.4	<1.0	.10	--	--	.20
76-06-26	--	<10	--	--	.12	--	1.2	--
76-09-19	--	<6.3	--	--	.13	--	--	.20
74-10-18	--	--	--	--	--	--	--	--
74-10-19	--	--	--	--	--	--	--	--
74-11-27	--	5.4	--	<1.0	.07	--	--	.05
74-12-11	--	4.4	--	<1.0	.12	1.0	--	--
75-03-13	--	<4.3	--	<1.0	<.40	--	--	.10
75-05-12	--	<4.5	--	<1.0	.18	--	--	.15
75-06-24	--	<8.7	--	--	<.40	--	--	.23
75-09-11	--	6.7	--	<1.0	.75	--	--	.90
75-09-12	--	<3.3	--	<1.0	.71	--	--	.30
75-11-13	<.4	7.9	<.4	<1.0	.06	--	--	.04
76-06-26	--	<4.4	--	--	.11	--	--	.09
76-09-19	--	<3.3	--	--	.16	--	--	.20
74-11-25	--	<8.0	--	1.8	.10	--	--	1.1
74-12-13	--	<7.0	--	<1.0	.11	--	--	.13
75-03-17	--	<12	--	<1.0	<.40	--	--	.21
75-05-15	--	11	--	<1.0	.61	--	--	.72
75-06-26	--	<10	--	<1.0	<.40	--	--	.93
75-11-24	1.5	<5.1	1.2	<1.0	.07	--	1.2	--
76-09-17	--	<4.7	--	--	.07	--	.8	--
74-11-25	--	<10	--	<1.0	.18	--	--	.08
74-12-13	--	<11	--	<1.0	.22	<.4	--	<.02
75-05-13	--	<18	--	<1.0	.13	--	--	.05
75-06-26	--	30	--	<1.0	<.40	--	--	.33
75-12-09	.9	18	.7	<1.0	.18	--	--	.03
76-09-17	--	25	--	--	.12	--	--	.07
75-03-24	--	<25	--	<1.0	<.40	--	--	.04
75-04-29	--	21	--	<1.0	.01	--	--	.05
75-05-28	--	--	--	--	--	--	--	--
75-07-21	--	--	--	--	--	--	--	--
75-08-06	--	--	--	--	--	--	--	--
76-05-16	--	--	--	--	--	--	--	--
76-06-13	--	18	--	--	--	--	--	--
76-07-24	--	--	--	--	--	--	--	--
76-08-22	--	--	--	--	--	--	--	--
74-11-21	--	<5.3	--	<1.0	.34	--	--	2.8
74-12-10	--	7.5	--	<1.0	.25	1.9	--	--
75-03-12	--	<5.9	--	<1.0	.50	--	--	.67
75-11-11	.4	11	.4	--	.34	--	--	.60
76-06-25	--	<8.4	--	--	.25	--	1.3	--
74-11-27	--	<3.5	--	<1.0	.16	1.7	--	--
74-12-12	--	4.4	--	<1.0	.17	1.5	--	--
75-04-03	--	4.9	--	<1.0	<.40	--	--	1.3
75-06-25	--	<9.1	--	<1.0	<.40	--	--	1.1
75-08-16	--	--	--	--	--	--	--	--
75-12-11	1.2	14	1.0	<1.0	.08	--	--	1.1
76-03-17	.9	<6.2	.7	<1.0	.11	--	--	1.5
76-06-29	--	<3.9	--	--	.16	--	1.0	--
74-12-11	--	5.2	--	<1.0	.16	5.6	--	--
75-05-14	--	<5.5	--	<1.0	.10	2.8	--	--
75-06-25	--	11	--	--	<.40	--	--	1.3
75-12-10	1.9	8.9	1.6	<1.0	.06	--	--	.80
76-06-28	--	<5.7	--	--	.07	--	1.1	--
76-09-20	--	<4.8	--	--	.07	--	1.5	--

TABLE 9.—CONTINUED

LOCAL NUMBER	STATION IDENTIFICATION NUMBER	DATE OF SAMPLE	DEPTH BELOW LAND SURFACE (FT)	YIELD (GAL/MIN)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)
(D-10-24)29AAC- 2	395530109134901	74-12-30	431.00	--	--	--	10.7	6.2	4.0
		75-04-04	431.00	--	15.0	2090	9.2	6.3	1.7
		75-05-14	427.00	--	19.0	2200	9.4	8.5	1.3
		76-06-26	430.00	--	16.0	2280	9.5	7.5	.1
		76-09-20	431.00	--	16.5	2200	9.5	7.6	1.0
(D-10-24)36DCD- 1	395359109093201	74-11-19	42.00	--	10.5	3900	7.6	23	180
		74-12-17	47.00	--	--	4200	7.8	14	100
		75-11-10	47.00	--	10.0	4900	7.6	20	98
		76-06-25	40.00	--	12.0	4000	8.1	25	170
		76-09-15	49.00	--	11.5	5700	8.4	16	98
(D-10-25) 8ACA- 1	395804109071701	76-01-21	--	--	10.0	2425	9.5	9.7	24
		76-04-20	--	--	11.5	2400	8.6	11	7.3
		76-07-22	--	--	14.0	2700	8.8	9.7	5.5
(D-10-25) 8ACA- 2	395804109071702	76-01-21	--	--	10.0	2600	9.4	8.3	9.4
		76-04-20	--	--	12.0	2850	8.7	8.4	8.0
		76-07-22	--	--	14.0	2700	8.7	9.4	6.4
(D-10-25)19DDA- 1	395548109080701	75-05-15	267.00	--	15.5	1720	10.9	15	8.1
		75-06-26	269.00	--	14.5	1600	10.7	18	9.3
		75-11-12	266.00	--	13.5	1630	9.0	20	9.9
		76-09-14	265.00	--	14.5	1675	8.0	19	10
(D-11-19)24ACC- 1	395052109441801	76-01-15	--	--	10.0	7000	8.3	15	60
		76-04-06	--	--	11.0	6500	8.0	19	64
		76-07-13	--	--	12.0	7000	8.0	21	66
(D-11-21)31BDD- 1	394904109363601	74-08-20	--	2.0	18.0	1450	9.3	17	1.5
(D-11-23)13DCD- 1	395115109171801	75-06-26	--	E10	26.0	1770	8.8	14	5.8
(D-11-24) 6DBC- 1	395318109162101	74-09-10	--	40	28.5	1600	8.3	15	1.9
		75-06-26	--	50	28.0	1720	9.0	16	1.7
(D-11-24) 7CAC- 1	395228109163401	74-09-10	--	36	26.5	1700	8.3	14	3.4
		75-06-26	--	37	26.5	1770	8.8	13	1.9
(D-11-24) 8CAA- 1	395233109151601	74-09-10	--	18	26.5	1700	8.3	14	1.9
		75-06-26	--	17	26.0	1770	8.9	14	3.0
(D-11-25) 7DAC- 1	395226109091201	74-11-21	10.00	--	11.5	5500	7.8	14	150
		74-12-10	9.00	--	11.0	5500	7.8	13	140
		75-03-12	10.00	--	9.5	5700	8.0	13	150
		75-11-11	11.00	--	9.0	5270	7.6	12	130
		76-06-25	10.00	--	10.5	5120	7.8	13	130
		76-09-15	13.00	--	10.5	5200	8.4	12	150
(D-11-25) 7DAC- 2	395226109091202	75-03-25	10.00	--	7.0	5500	--	9.3	130
		75-04-29	10.00	--	8.0	5000	7.9	9.3	190
		75-05-28	10.00	--	13.0	4500	--	8.7	180
		75-07-21	10.00	--	32.0	5250	8.8	8.3	170
		75-08-06	10.00	--	14.5	--	--	9.6	190
		75-12-19	10.70	--	7.0	5120	--	10	180
		76-06-23	11.00	--	12.5	4830	8.2	13	150
(D-11-25) 7DAC- 3	395229109091201	74-11-26	9.00	--	6.5	6100	7.8	12	160
		74-12-10	9.00	--	11.5	5100	--	12	160
		75-03-11	9.00	--	10.0	5520	7.8	12	160
		75-11-10	10.00	--	10.5	5320	7.8	11	130
		76-06-25	10.00	--	11.0	5370	8.0	12	170
		76-09-15	11.00	--	11.0	5300	7.9	11	160
(D-11-25)21CBC- 1	395040109075201	76-01-23	--	--	7.5	4500	8.1	8.5	160
		76-04-20	--	--	10.0	4500	7.8	8.7	160
		76-07-22	--	--	12.0	4300	7.8	9.9	170
(D-11-25)21CBC- 2	395040109075202	76-01-23	--	--	7.5	4540	8.2	12	180
		76-04-20	--	--	8.0	4610	7.6	12	200
		76-07-27	--	--	18.0	4690	7.6	14	210
(D-11-25)21CCA- 1	395035109074001	74-11-26	28.00	--	12.0	4500	8.4	19	76
		74-12-10	28.00	--	10.5	4300	--	20	75
		75-03-12	28.00	--	10.5	--	7.8	19	76
		75-11-11	32.00	--	10.5	4500	7.4	19	64
		76-06-25	30.00	--	13.0	4700	8.7	20	75
		76-09-16	30.00	--	13.5	4600	8.6	--	76
(D-11-25)21CCA- 2	395035109074002	74-11-26	--	--	12.5	1380	9.9	8.9	1.9
		74-12-10	--	--	10.5	1350	9.2	8.8	1.1
		75-03-11	--	--	11.5	1350	9.3	8.1	.7
		75-11-11	--	--	12.0	1300	9.4	7.9	.7
		76-03-21	--	--	12.5	1350	9.0	8.2	.9
		76-06-24	--	--	13.5	1380	8.4	8.5	1.8
(D-12-23)21CCD- 1	394503109211201	76-01-27	--	--	10.0	9000	7.9	12	300
		76-04-07	--	--	10.0	8500	7.8	15	310
		76-07-21	--	--	12.5	8500	7.8	15	320
(D-12-23)21CCD- 2	394503109211202	76-01-27	--	--	9.0	20000	8.0	4.0	250
		76-04-07	--	--	10.0	17200	8.0	4.9	320
		76-07-21	--	--	14.0	15700	7.9	7.8	310
(D-12-25) 2DAA- 1	394811109043601	76-01-23	--	--	6.0	4250	8.1	10	77
		76-04-20	--	--	12.0	4400	7.8	11	77
		76-07-22	--	--	13.0	4390	7.7	12	75

TABLE 9.—CONTINUED

DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	DIS-SOL-VED SUL-FIDE (S) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)
74-12-30	1.1	480	2.4	740	168	150	35	1.5	--	.1	.25	.01
75-04-04	22	520	4.1	717	279	120	32	2.0	--	.2	.01	.00
75-05-14	1.0	570	1.4	833	221	150	31	2.1	--	9.0	.00	.00
76-06-26	.3	590	1.1	1470	349	23	32	2.1	.1	.6	.03	.01
76-09-20	.3	580	1.4	752	328	61	32	2.1	.0	2.2	.01	.00
74-11-19	240	470	13	877	0	1500	71	1.8	--	.0	30	.07
74-12-17	210	700	11	1130	0	1400	100	5.0	--	.0	16	.65
75-11-10	160	1100	11	2010	0	1500	99	8.4	--	1.4	11	.09
76-06-25	260	500	11	920	0	1600	69	2.4	.5	.0	26	.04
76-09-15	140	1200	11	2400	0	1500	100	11	.7	.5	.01	.00
76-01-21	21	570	5.2	825	168	370	45	6.6	--	--	.15	--
76-04-20	21	590	4.3	879	0	560	44	6.9	--	--	.00	--
76-07-22	19	550	3.4	904	--	520	41	6.4	--	--	.00	--
76-01-21	17	600	3.8	820	61	530	42	5.9	--	--	.11	--
76-04-20	27	630	3.3	764	51	730	69	4.3	--	--	.02	--
76-07-22	17	550	3.3	938	--	380	110	5.6	--	--	.01	--
75-05-15	21	360	4.5	522	43	76	230	2.4	--	4.8	.00	.00
75-06-26	22	350	3.9	621	0	86	220	2.2	--	10	.01	.01
75-11-12	22	320	3.4	510	43	98	210	2.1	--	10	.01	.01
76-09-14	27	320	3.4	588	0	130	180	1.7	.6	9.8	.10	.00
76-01-15	210	1400	6.3	1040	0	3100	110	3.3	--	--	.10	--
76-04-06	230	1300	7.9	1090	0	2700	89	3.1	--	--	1.6	--
76-07-13	220	1400	8.2	1080	--	3000	110	3.4	--	--	2.6	--
74-08-20	.3	340	1.0	534	62	210	5.8	--	--	20	.03	.00
75-06-26	.7	420	1.0	602	51	310	36	2.8	.2	.0	.06	.05
74-09-10	.8	400	1.1	568	0	360	33	2.0	--	8.1	.01	.00
75-06-26	.5	410	.9	510	34	390	31	2.0	.2	6.7	.04	.04
74-09-10	.4	420	1.1	742	0	290	23	3.8	--	1.9	.00	.00
75-06-26	.7	430	1.0	693	30	300	22	4.7	.2	.0	.05	.04
74-09-10	.2	390	1.1	574	0	350	27	2.0	--	1.7	.00	.00
75-06-26	.2	390	.9	498	40	380	25	2.1	.2	2.7	.06	.03
74-11-21	180	1000	4.1	567	0	2600	64	1.0	--	.0	.18	.03
74-12-10	180	1000	5.1	569	0	2500	66	2.4	--	.2	.08	.01
75-03-12	180	1000	8.9	530	0	2500	65	1.9	--	.1	.11	.02
75-11-11	180	970	6.9	564	0	2500	59	2.1	--	.2	.01	.01
76-06-25	180	900	6.0	545	0	2500	54	2.0	.3	.2	.03	.00
76-09-15	190	940	7.4	551	0	2700	52	1.9	.4	.0	.00	.00
75-03-25	160	930	13	236	16	2600	63	.5	--	.0	.16	.00
75-04-29	200	890	10	296	0	2800	61	.6	--	.1	.44	.02
75-05-28	190	860	9.5	445	0	2700	56	1.0	--	--	.28	.03
75-07-21	180	850	11	452	0	2500	54	1.0	--	.0	.11	.01
75-08-06	190	880	11	423	--	2700	55	1.0	--	.0	.07	.01
75-12-19	170	830	8.0	558	0	2400	66	1.4	--	.1	.40	.00
76-06-23	180	820	8.0	489	0	2300	45	1.1	.2	.0	.38	.01
74-11-26	160	960	8.9	576	0	2400	66	1.4	--	.0	.01	.00
74-12-10	170	1000	6.5	570	0	2600	69	1.8	--	.6	.01	.01
75-03-11	190	990	11	575	0	2700	69	1.9	--	.9	.00	.00
75-11-10	180	950	8.5	558	0	2500	63	1.6	--	.3	.01	.00
76-06-25	200	940	8.0	563	0	2700	62	1.8	.3	.0	.01	.00
76-09-15	180	960	9.4	565	0	2400	58	1.7	.4	.2	.00	.00
76-01-23	200	680	6.5	450	0	2200	54	1.6	--	--	.17	--
76-04-20	210	660	7.1	619	0	2100	50	1.6	--	--	.01	--
76-07-22	110	680	6.6	603	--	1800	53	1.7	--	--	.15	--
76-01-23	200	730	8.3	563	0	2200	52	1.7	--	--	9.9	--
76-04-20	210	700	6.8	565	0	2200	53	1.6	--	--	11	--
76-07-27	210	730	7.8	557	--	2300	50	1.6	--	--	11	--
74-11-26	140	820	2.4	876	59	1500	190	6.7	--	150	.48	.02
74-12-10	150	820	2.6	1000	0	1400	300	3.7	--	270	.00	.00
75-03-12	150	870	4.0	540	0	1600	390	6.6	--	180	.01	.03
75-11-11	150	890	3.1	545	0	1900	190	6.2	--	180	.06	.01
76-06-25	150	900	2.7	1070	0	2000	220	7.1	.8	170	.01	.00
76-09-16	150	900	3.4	823	44	1800	140	6.9	1.6	170	--	--
74-11-26	.1	430	.6	753	120	20	10	1.0	--	2.6	.10	.00
74-12-10	.0	340	.5	703	109	3.5	6.8	1.0	--	.2	.02	.00
75-03-11	1.3	340	.7	594	138	5.0	7.0	.9	--	.4	.01	.00
75-11-11	.1	350	.5	720	102	1.3	6.8	1.1	--	.2	.01	.01
76-03-21	2.2	340	.6	685	123	4.2	6.6	.9	.1	.0	.00	.00
76-06-24	.4	370	.7	727	100	3.4	6.7	1.0	.0	.0	.04	.02
76-01-27	650	1200	15	504	0	5400	110	2.2	--	--	.16	--
76-04-07	640	1100	15	662	0	4800	92	2.2	--	--	.03	--
76-07-21	660	1200	14	634	--	5500	120	2.1	--	--	.02	--
76-01-27	1500	3400	76	679	70	13000	50	.5	--	--	17	--
76-04-07	1500	3400	70	1150	0	12000	430	.6	--	--	31	--
76-07-21	1200	2900	56	1060	--	9600	420	.6	--	--	.27	--
76-01-23	130	800	12	481	0	2000	43	1.2	--	--	.14	--
76-04-20	140	800	9.6	535	0	1900	39	1.0	--	--	.13	--
76-07-22	150	800	8.9	511	--	2000	36	1.0	--	--	.13	--

TABLE 9.—CONTINUED

LOCAL NUMBER	DATE OF SAMPLE	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	ALKA-LINITY AS CACO3 (MG/L)	HARD-NESS (CA,MG) (MG/L)
(D-10-24)29AAC- 2	74-12-30	.92	1.4	.08	.09	1250	1220	1.70	887	15
	75-04-04	.84	1.3	.07	.11	1380	1340	1.88	1050	95
	75-05-14	.74	1.2	.10	.13	1430	1410	1.94	1050	8
	76-06-26	.67	1.1	.08	.08	1400	1730	1.90	1790	2
	76-09-20	1.0	1.3	.09	.11	1390	1390	1.89	1160	4
(D-10-24)36DCD- 1	74-11-19	.30	3.2	.04	1.4	3310	3080	4.50	719	1400
	74-12-17	2.0	7.7	.02	1.4	3290	3190	4.47	927	1100
	75-11-10	.81	3.6	.06	.03	4020	4020	5.47	1650	910
	76-06-25	.14	3.3	.01	.51	3350	3220	4.56	755	1500
	76-09-15	.60	2.0	.06	.04	4400	4290	5.98	1970	830
(D-10-25) 8ACA- 1	76-01-21	--	--	.03	--	--	1630	2.22	956	150
	76-04-20	--	--	.40	--	--	1680	2.28	721	100
	76-07-22	--	--	.06	--	--	1600	2.18	741	92
(D-10-25) 8ACA- 2	76-01-21	--	--	.10	--	--	1680	2.28	774	93
	76-04-20	--	--	.00	--	--	1910	2.60	712	130
	76-07-22	--	--	.07	--	--	1550	2.11	769	86
(D-10-25)19DDA- 1	75-05-15	2.8	4.3	.15	.17	1090	1040	1.48	500	110
	75-06-26	2.5	3.9	.13	.19	1060	1040	1.44	509	120
	75-11-12	3.5	4.7	.20	.23	1020	1000	1.39	490	120
	76-09-14	2.7	2.8	.05	.21	980	1010	1.33	482	140
(D-11-19)24ACC- 1	76-01-15	--	--	.03	--	--	5420	7.37	853	1000
	76-04-06	--	--	.01	--	--	4970	6.76	894	1100
	76-07-13	--	--	.09	--	--	5390	7.33	886	1100
(D-11-21)31BDD- 1	74-08-20	1.1	1.3	.04	.04	951	923	1.29	541	5
(D-11-23)13DCD- 1	75-06-26	1.1	--	.08	--	--	1140	1.55	579	18
(D-11-24) 6DBC- 1	74-09-10	1.1	1.3	.04	.03	1120	1100	1.52	466	8
	75-06-26	.87	--	.01	--	--	1150	1.56	475	6
(D-11-24) 7CAC- 1	74-09-10	1.3	1.4	.04	.06	1140	1130	1.55	609	10
	75-06-26	1.1	--	.02	--	--	1150	1.56	618	8
(D-11-24) 8CAA- 1	74-09-10	1.1	1.2	.03	.04	1110	1070	1.51	471	6
	75-06-26	.92	--	.03	--	--	1110	1.51	475	8
(D-11-25) 7DAC- 1	74-11-21	.04	.75	.00	.02	4590	4300	6.24	465	1100
	74-12-10	.06	.80	.04	.01	4570	4200	6.22	467	1100
	75-03-12	.04	.57	.03	.02	4640	4190	6.31	435	1100
	75-11-11	.04	.63	.01	.02	4420	4140	6.01	463	1100
	76-06-25	.07	.77	.01	.02	4340	4060	5.90	447	1100
	76-09-15	.00	.29	.01	.02	4290	4330	5.83	452	1200
(D-11-25) 7DAC- 2	75-03-25	.05	1.3	.00	.09	4340	4040	5.90	220	990
	75-04-29	.13	1.2	.02	.14	4580	4310	6.23	243	1300
	75-05-28	.03	1.3	.04	.13	4430	4230	6.02	365	1200
	75-07-21	.03	1.8	.00	.21	4380	4000	5.96	371	1200
	75-08-06	.07	2.8	.00	.25	4480	4250	6.09	347	1300
	75-12-19	.04	2.3	.02	.11	4200	3950	5.71	458	1200
	76-06-23	.03	.84	.00	.27	4150	3760	5.64	401	1100
(D-11-25) 7DAC- 3	74-11-26	.43	.88	.03	.09	4510	4060	6.13	472	1100
	74-12-10	.49	.80	.03	.04	4470	4310	6.08	468	1100
	75-03-11	.31	.85	.08	.07	4610	4430	6.27	472	1200
	75-11-10	.20	1.4	.01	.05	4500	4130	6.12	458	1100
	76-06-25	.26	1.0	.02	.05	4670	4380	6.35	462	1300
	76-09-15	.24	.58	.03	.06	4540	4070	6.17	463	1100
(D-11-25)21CBC- 1	76-01-23	--	--	.01	--	--	3540	4.81	369	1200
	76-04-20	--	--	.00	--	--	3510	4.77	508	1300
	76-07-22	--	--	.02	--	--	3130	4.26	495	880
(D-11-25)21CBC- 2	76-01-23	--	--	.01	--	--	3710	5.05	462	1300
	76-04-20	--	--	.00	--	--	3710	5.05	463	1400
	76-07-27	--	--	.03	--	--	3850	5.24	457	1400
(D-11-25)21CCA- 1	74-11-26	1.9	2.7	.03	.06	3260	3410	4.43	817	770
	74-12-10	2.0	2.5	.03	.04	3270	3550	4.45	820	810
	75-03-12	1.8	2.2	.22	.25	3470	3580	4.72	443	810
	75-11-11	2.1	3.7	.01	.03	3490	3680	4.75	447	780
	76-06-25	.63	2.5	.05	.03	3650	4080	4.96	878	810
	76-09-16	1.5	2.5	--	.00	3500	--	4.76	748	810
(D-11-25)21CCA- 2	74-11-26	.90	1.2	.08	.13	855	969	1.16	817	5
	74-12-10	.91	.93	.11	.15	826	820	1.12	758	3
	75-03-11	.71	.72	.08	.09	835	797	1.14	717	7
	75-11-11	.86	1.4	.09	.10	841	826	1.14	760	2
	76-03-21	.65	2.0	.09	.11	850	826	1.16	767	11
	76-06-24	.74	.85	.09	.08	836	853	1.14	763	6
(D-12-23)21CCD- 1	76-01-27	--	--	.02	--	--	7940	10.8	413	3400
	76-04-07	--	--	.02	--	--	7310	9.94	543	3400
	76-07-21	--	--	.04	--	--	8150	11.1	520	3500
(D-12-23)21CCD- 2	76-01-27	--	--	.04	--	--	18800	--	673	6800
	76-04-07	--	--	.05	--	--	18400	25.0	943	7000
	76-07-21	--	--	.07	--	--	15000	20.4	869	5700
(D-12-25) 2DAA- 1	76-01-23	--	--	.02	--	--	3310	4.50	395	730
	76-04-20	--	--	.00	--	--	3240	4.41	439	770
	76-07-22	--	--	.01	--	--	3340	4.54	419	800

TABLE 9.—CONTINUED

DATE OF SAMPLE	NON-CAR-BONATE HARD-NESS (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ANTI-MONY (SB) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)
74-12-30	0	98	55	20	--	2	<100	<10	<25	910	1	0
75-04-04	0	92	23	30	--	3	<100	<10	--	1100	0	0
75-05-14	0	99	91	50	--	4	12	0	<7	880	0	0
76-06-26	0	100	211	70	0	5	0	10	<45	920	0	<30
76-09-20	0	100	131	50	0	4	0	0	<13	1000	0	<13
74-11-19	730	41	5.4	30	--	5	<100	<10	<17	6000	1	0
74-12-17	190	57	9.1	0	--	5	<100	<10	<60	16000	0	<10
75-11-10	0	72	16	10	--	50	0	20	<80	24000	0	10
76-06-25	750	42	5.6	20	1	4	100	10	<90	1700	0	<60
76-09-15	0	76	18	0	0	3	0	0	<34	27000	0	<34
76-01-21	0	89	21	--	--	--	--	--	--	1900	--	--
76-04-20	0	92	25	--	--	--	--	--	--	1400	--	--
76-07-22	0	93	25	--	--	--	--	--	--	1900	--	--
76-01-21	0	93	27	--	--	--	--	--	--	1900	--	--
76-04-20	0	91	24	--	--	--	--	--	--	1200	--	--
76-07-22	0	93	26	--	--	--	--	--	--	1900	--	--
75-05-15	0	87	15	20	--	400	170	0	<6	5200	0	0
75-06-26	0	87	14	40	--	950	200	<2	<8	5100	0	<8
75-11-12	0	85	13	30	--	1200	300	0	<7	5200	0	<10
76-09-14	0	83	12	70	0	800	300	0	<9	4500	0	<9
76-01-15	160	75	19	--	--	--	--	--	--	1500	--	--
76-04-06	210	72	17	--	--	--	--	--	--	15000	--	--
76-07-13	180	74	19	--	--	--	--	--	--	15000	--	--
74-08-20	0	99	66	--	--	0	--	--	--	320	--	--
75-06-26	0	98	44	10	--	--	0	--	--	590	--	--
74-09-10	0	99	61	--	--	1	--	--	--	680	--	--
75-06-26	0	99	71	10	--	--	30	<2	<10	620	0	<8
74-09-10	0	99	57	--	--	0	--	--	--	790	--	--
75-06-26	0	99	68	0	--	--	0	--	--	880	--	--
74-09-10	0	99	72	--	--	1	--	--	--	540	--	--
75-06-26	0	99	59	10	--	--	0	--	--	500	--	--
74-11-21	650	66	13	0	--	16	<100	<10	<23	4600	1	0
74-12-10	630	67	13	0	--	10	<100	<10	<70	4700	0	<10
75-03-12	680	66	13	<10	--	8	<100	<10	<25	4700	1	25
75-11-11	610	66	13	0	--	11	0	20	<25	1800	1	<10
76-06-25	620	65	12	20	1	8	100	40	<90	500	0	<90
76-09-15	710	64	12	20	0	7	0	0	<29	3200	0	<29
75-03-25	770	67	13	40	--	1	<100	<10	--	1300	0	0
75-04-29	1100	60	11	30	--	2	0	0	--	1600	0	20
75-05-28	870	60	11	20	--	1	0	0	--	1800	0	0
75-07-21	790	61	11	--	--	1	--	--	--	2000	0	--
75-08-06	910	60	11	20	--	0	<100	<10	--	1900	0	0
75-12-19	700	61	11	20	--	0	0	10	--	1800	1	0
76-06-23	720	61	11	140	1	2	0	10	<70	1000	0	<70
74-11-26	590	66	13	10	--	3	<100	<10	<22	4200	0	0
74-12-10	640	66	13	10	--	1	<100	<10	<70	4100	0	<10
75-03-11	710	64	13	20	--	2	<100	<10	<20	3900	0	25
75-11-10	610	66	13	0	--	2	0	10	<150	1400	0	<10
76-06-25	790	62	12	20	0	1	0	40	110	2100	0	<80
76-09-15	680	64	12	20	0	1	0	0	<30	2800	0	<30
76-01-23	850	55	8.5	--	--	--	--	--	--	2300	--	--
76-04-20	760	53	8.1	--	--	--	--	--	--	2800	--	--
76-07-22	380	63	10	--	--	--	--	--	--	2600	--	--
76-01-23	810	55	8.9	--	--	--	--	--	--	1800	--	--
76-04-20	900	53	8.2	--	--	--	--	--	--	2000	--	--
76-07-27	930	53	8.5	--	--	--	--	--	--	2000	--	--
74-11-26	0	70	13	0	--	28	<100	10	<20	7000	0	<10
74-12-10	0	69	13	0	--	4	<100	<10	<16	7000	0	<10
75-03-12	370	70	13	<10	--	40	<100	<10	<25	7000	0	13
75-11-11	330	71	14	10	--	26	0	10	<20	7900	1	10
76-06-25	0	71	14	20	0	16	100	20	<100	6000	0	<70
76-09-16	62	71	14	40	0	20	0	0	<27	7700	0	<27
74-11-26	0	99	82	0	--	1	100	<10	<6	480	0	<10
74-12-10	0	100	89	0	--	0	100	<10	<7	420	0	<10
75-03-11	0	99	56	10	--	0	65	<2	<7	300	0	6
75-11-11	0	100	104	0	--	0	100	0	<6	400	0	<10
76-03-21	0	98	44	10	--	0	0	0	<25	390	0	10
76-06-24	0	99	65	20	0	0	100	20	<30	450	0	<20
76-01-27	3000	43	8.9	--	--	--	--	--	--	4700	--	--
76-04-07	2900	41	8.2	--	--	--	--	--	--	4700	--	--
76-07-21	3000	43	8.8	--	--	--	--	--	--	4600	--	--
76-01-27	6100	52	18	--	--	--	--	--	--	390	--	--
76-04-07	6000	51	18	--	--	--	--	--	--	13000	--	--
76-07-21	4800	52	17	--	--	--	--	--	--	13000	--	--
76-01-23	330	70	13	--	--	--	--	--	--	210	--	--
76-04-20	330	69	13	--	--	--	--	--	--	130	--	--
76-07-22	390	68	12	--	--	--	--	--	--	210	--	--

TABLE 9.—CONTINUED

LOCAL NUMBER	DATE OF SAMPLE	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED GALLIUM (GA) (UG/L)	DISSOLVED GERMANIUM (GE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED LITHIUM (LI) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
(D-10-24)29AAC- 2	74-12-30	--	0	28	<12	<26	100	1	360	10
	75-04-04	--	1	44	--	--	60	2	440	0
	75-05-14	--	0	3	<3	<7	410	2	450	10
	76-06-26	10	0	8	<20	<70	180	0	470	10
	76-09-20	0	2	13	<10	<30	230	1	460	10
(D-10-24)36DCD- 1	74-11-19	--	0	2	<6	<17	1200	0	480	140
	74-12-17	--	3	1	<26	<65	610	4	510	120
	75-11-10	--	0	19	<20	<80	260	2	430	70
	76-06-25	40	0	7	<30	<120	280	0	540	60
	76-09-15	10	2	9	<30	<80	80	0	460	140
(D-10-25) 8ACA- 1	76-01-21	--	--	--	--	--	--	--	--	--
	76-04-20	--	--	--	--	--	--	--	--	--
	76-07-22	--	--	--	--	--	--	--	--	--
(D-10-25) 8ACA- 2	76-01-21	--	--	--	--	--	--	--	--	--
	76-04-20	--	--	--	--	--	--	--	--	--
	76-07-22	--	--	--	--	--	--	--	--	--
(D-10-25)19DDA- 1	75-05-15	--	0	1	<3	<6	110	2	680	20
	75-06-26	--	<8	2	<4	<11	75	<8	680	15
	75-11-12	--	0	0	<4	<10	210	0	670	20
	76-09-14	0	0	0	<9	<20	180	0	720	10
(D-11-19)24ACC- 1	76-01-15	--	--	--	--	--	--	--	--	--
	76-04-06	--	--	--	--	--	--	--	--	--
	76-07-13	--	--	--	--	--	--	--	--	--
(D-11-21)31BDD- 1	74-08-20	--	--	--	--	--	20	--	130	--
(D-11-23)13DCD- 1	75-06-26	--	--	--	--	--	40	--	110	--
(D-11-24) 6DBC- 1	74-09-10	--	--	0	--	--	20	--	80	--
	75-06-26	--	<8	<2	<4	<10	20	<8	100	<7
(D-11-24) 7CAC- 1	74-09-10	--	--	0	--	--	20	--	100	--
	75-06-26	--	--	--	--	--	40	--	120	--
(D-11-24) 8CAA- 1	74-09-10	--	--	0	--	--	20	--	90	--
	75-06-26	--	--	--	--	--	30	--	110	--
(D-11-25) 7DAC- 1	74-11-21	--	0	2	<8	<23	60	1	150	30
	74-12-10	--	3	4	<30	<75	120	1	180	40
	75-03-12	--	0	7	<12	<25	60	1	180	60
	75-11-11	--	0	4	<10	<40	320	2	140	60
	76-06-25	10	0	3	<40	<150	140	0	140	40
	76-09-15	0	0	3	<30	<70	160	0	140	50
(D-11-25) 7DAC- 2	75-03-25	--	0	12	--	--	10	0	120	0
	75-04-29	--	0	50	--	--	70	1	130	20
	75-05-28	--	2	60	--	--	50	1	100	70
	75-07-21	--	0	37	--	--	10	1	120	60
	75-08-06	--	0	7	--	--	20	2	100	60
	75-12-19	--	0	60	--	--	20	2	100	40
	76-06-23	10	0	3	<30	<120	60	0	110	50
(D-11-25) 7DAC- 3	74-11-26	--	0	3	<8	<22	580	0	100	50
	74-12-10	--	2	1	<30	<75	550	0	130	80
	75-03-11	--	0	3	<10	<20	630	2	130	80
	75-11-10	--	0	0	<30	<150	820	0	100	100
	76-06-25	20	0	0	<30	<150	420	0	120	70
	76-09-15	0	0	0	<30	<80	570	0	120	90
(D-11-25)21CBC- 1	76-01-23	--	--	--	--	--	--	--	--	--
	76-04-20	--	--	--	--	--	--	--	--	--
	76-07-22	--	--	--	--	--	--	--	--	--
(D-11-25)21CBC- 2	76-01-23	--	--	--	--	--	--	--	--	--
	76-04-20	--	--	--	--	--	--	--	--	--
	76-07-27	--	--	--	--	--	--	--	--	--
(D-11-25)21CCA- 1	74-11-26	--	2	33	<20	<20	80	1	620	30
	74-12-10	--	2	1	<7	<16	50	0	620	10
	75-03-12	--	0	0	<12	<25	40	2	720	10
	75-11-11	--	0	0	<10	<30	60	1	610	30
	76-06-25	20	0	0	<30	<140	120	0	710	20
	76-09-16	10	0	0	<30	<70	30	0	700	20
(D-11-25)21CCA- 2	74-11-26	--	3	3	<3	<6	70	0	120	0
	74-12-10	--	1	1	<3	<7	50	0	110	0
	75-03-11	--	1	2	<3	<10	40	0	130	10
	75-11-11	--	0	14	<3	<10	50	0	100	5
	76-03-21	--	0	1	<8	<20	30	0	120	10
	76-06-24	10	0	0	<8	<40	50	0	110	10
(D-12-23)21CCD- 1	76-01-27	--	--	--	--	--	70	--	--	610
	76-04-07	--	--	--	--	--	--	--	--	--
	76-07-21	--	--	--	--	--	--	--	--	--
(D-12-23)21CCD- 2	76-01-27	--	--	--	--	--	100	--	--	800
	76-04-07	--	--	--	--	--	--	--	--	--
	76-07-21	--	--	--	--	--	--	--	--	--
(D-12-25) 2DAA- 1	76-01-23	--	--	--	--	--	--	--	--	--
	76-04-20	--	--	--	--	--	--	--	--	--
	76-07-22	--	--	--	--	--	--	--	--	--

TABLE 9.—CONTINUED

DATE OF SAMPLE	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)	COLOR (PLAT-INUM-COBALT UNITS)
74-12-30	.2	30	12	0	0	60	<25	<18	4.5	20	<45	40
75-04-04	.0	6	2	0	0	90	--	--	.0	6	--	25
75-05-14	.0	0	1	0	0	150	<7	<4	.0	60	<10	35
76-06-26	.0	5	0	0	0	190	<30	<30	.0	40	<60	45
76-09-20	.0	1	1	0	0	100	<20	<7	.4	60	<30	38
74-11-19	.1	260	6	22	<1	7700	<17	<17	6.4	20	<25	20
74-12-17	<.1	240	2	15	0	5500	<65	<42	1.4	40	<90	20
75-11-10	.0	200	26	15	0	4800	<80	<50	5.4	490	<150	45
76-06-25	--	280	13	15	0	8000	<60	<50	4.1	240	<100	40
76-09-15	.0	180	60	10	0	4000	<50	30	4.9	230	<70	45
76-01-21	--	--	--	--	--	--	--	--	--	--	--	--
76-04-20	--	--	--	--	--	--	--	--	--	--	--	--
76-07-22	--	--	--	--	--	--	--	--	--	--	--	--
76-01-21	--	--	--	--	--	--	--	--	--	--	--	--
76-04-20	--	--	--	--	--	--	--	--	--	--	--	--
76-07-22	--	--	--	--	--	--	--	--	--	--	--	--
75-05-15	.0	100	1	0	0	3800	<6	<3	2.1	30	<9	20
75-06-26	.0	80	<8	0	<1	4600	<11	<4	<8.0	10	<16	30
75-11-12	.0	160	70	0	0	4200	<7	<5	7.6	10	<20	16
76-09-14	.0	54	11	0	0	4800	<14	<5	9.2	20	<20	18
76-01-15	--	--	--	--	--	--	--	--	--	--	--	--
76-04-06	--	--	--	--	--	--	--	--	--	--	--	--
76-07-13	--	--	--	--	--	--	--	--	--	--	--	--
74-08-20	.0	--	--	0	--	110	--	--	--	7	--	--
75-06-26	--	--	--	--	--	170	--	--	--	--	--	--
74-09-10	.0	--	--	0	--	100	--	--	--	10	--	--
75-06-26	--	20	<8	--	<1	110	<10	<4	<8.0	0	<10	--
74-09-10	.0	--	--	1	--	120	--	--	--	0	--	--
75-06-26	--	--	--	--	--	120	--	--	--	--	--	--
74-09-10	.0	--	--	0	--	120	--	--	--	0	--	--
75-06-26	--	--	--	--	--	110	--	--	--	--	--	--
74-11-21	.1	81	2	2	<1	3100	<23	<25	3.2	30	<35	10
74-12-10	<.1	80	2	1	0	3200	<75	<50	.0	80	<100	20
75-03-12	.1	70	5	2	0	3000	<25	<25	.5	80	<25	20
75-11-11	.0	75	4	1	0	3400	<25	<20	2.1	50	<50	26
76-06-25	--	53	0	1	0	2300	<90	<60	.9	30	<130	30
76-09-15	.0	69	3	0	0	3300	<44	<10	.8	20	<60	18
75-03-25	.0	48	4	2	0	1800	--	--	.0	10	--	40
75-04-29	.0	41	4	3	0	3100	--	--	1.3	10	--	9
75-05-28	.0	36	7	4	0	3300	--	--	.0	40	--	15
75-07-21	.0	--	6	--	0	--	--	--	.0	20	--	10
75-08-06	.0	36	7	1	0	3800	--	--	.0	0	--	18
75-12-19	.1	33	3	5	0	3600	--	--	1.2	100	--	10
76-06-23	.3	25	8	7	0	2400	<70	<40	.0	20	<90	15
74-11-26	.0	35	2	0	<1	3100	<22	<25	2.3	10	<34	5
74-12-10	<.1	30	1	0	0	3200	<75	<50	.0	30	<100	10
75-03-11	.0	26	2	1	0	2900	<20	<20	.0	10	<20	20
75-11-10	.0	29	1	0	0	3500	<75	<50	1.0	100	<100	13
76-06-25	.0	21	0	0	0	2400	<80	<60	.4	10	<150	38
76-09-15	.0	33	0	0	0	3500	<45	<20	.4	40	<60	18
76-01-23	--	--	--	--	--	--	--	--	--	--	--	--
76-04-20	--	--	--	--	--	--	--	--	--	--	--	--
76-07-22	--	--	--	--	--	--	--	--	--	--	--	--
76-01-23	--	--	--	--	--	--	--	--	--	--	--	--
76-04-20	--	--	--	--	--	--	--	--	--	--	--	--
76-07-27	--	--	--	--	--	--	--	--	--	--	--	--
74-11-26	<.1	0	8	0	0	2800	<20	<13	3.3	30	<30	8
74-12-10	<.1	0	1	0	0	2700	<16	<11	.0	50	<25	E50
75-03-12	.0	0	2	0	1	2900	<25	<25	3.1	20	<25	30
75-11-11	.0	0	3	0	0	2900	<20	<20	17	30	<50	620
76-06-25	--	0	0	0	0	2800	<70	<60	3.9	20	<140	100
76-09-16	.0	0	1	0	0	3000	75	<10	2.8	30	<50	220
74-11-26	<.1	0	1	0	0	50	<6	<5	.0	10	<10	5
74-12-10	<.1	0	18	0	0	50	<7	<5	.0	0	<10	0
75-03-11	.1	0	0	0	0	60	<7	<7	.2	30	<13	3
75-11-11	.0	0	1	0	0	80	<6	<5	.0	20	<10	2
76-03-21	.0	0	0	0	0	70	<20	<10	.0	10	<30	1
76-06-24	.0	0	0	0	0	100	<20	<20	.0	20	<40	2
76-01-27	--	--	--	--	--	--	--	--	--	--	--	--
76-04-07	--	--	--	--	--	--	--	--	--	--	--	--
76-07-21	--	--	--	--	--	--	--	--	--	--	--	--
76-01-27	--	--	--	--	--	--	--	--	--	--	--	--
76-04-07	--	--	--	--	--	--	--	--	--	--	--	--
76-07-21	--	--	--	--	--	--	--	--	--	--	--	--
76-01-23	--	--	--	--	--	--	--	--	--	--	--	--
76-04-20	--	--	--	--	--	--	--	--	--	--	--	--
76-07-22	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 9.—CONTINUED

LOCAL NUMBER	DATE OF SAMPLE	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	OIL AND GREASE (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)	TOTAL INORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	DISSOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUSPENDED GROSS ALPHA AS U-NAT. (UG/L)
(D-10-24)29AAC- 2	74-12-30	35	5	11	--	--	--	--	<26	--
	75-04-04	22	3	6.9	--	--	--	--	<17	--
	75-05-14	51	2	2.3	--	--	--	--	<21	--
	76-06-26	39	0	--	--	--	.00	6	<14	--
	76-09-20	18	2	--	22	--	.00	2	<14	--
(D-10-24)36DCD- 1	74-11-19	190	1	66	--	47	--	--	83	--
	74-12-17	210	1	59	--	3.4	--	--	<20	--
	75-11-10	98	1	45	--	378	--	--	110	.9
	76-06-25	92	0	--	--	--	.01	5	76	--
	76-09-15	140	0	--	34	--	.00	5	75	--
(D-10-25) 8ACA- 1	76-01-21	--	--	--	--	--	--	--	--	--
	76-04-20	--	--	--	--	--	--	--	--	--
	76-07-22	--	--	--	--	--	--	--	--	--
(D-10-25) 8ACA- 2	76-01-21	--	--	--	--	--	--	--	--	--
	76-04-20	--	--	--	--	--	--	--	--	--
	76-07-22	--	--	--	--	--	--	--	--	--
(D-10-25)19DDA- 1	75-05-15	260	1	57	--	--	--	--	<15	--
	75-06-26	190	4	49	--	--	--	--	<15	--
	75-11-12	150	1	57	--	112	--	--	16	.6
	76-09-14	150	0	--	17	--	.02	90	35	--
(D-11-19)24ACC- 1	76-01-15	--	--	--	--	--	--	--	--	--
	76-04-06	--	--	--	--	--	--	--	--	--
	76-07-13	--	--	--	--	--	--	--	--	--
(D-11-21)31BDD- 1	74-08-20	--	--	--	--	--	--	--	--	--
(D-11-23)13DCD- 1	75-06-26	--	--	--	--	--	--	--	--	--
(D-11-24) 6DBC- 1	74-09-10	--	--	--	--	--	--	--	--	--
	75-06-26	--	--	--	--	--	--	--	--	--
(D-11-24) 7CAC- 1	74-09-10	--	--	--	--	--	--	--	--	--
	75-06-26	--	--	--	--	--	--	--	--	--
(D-11-24) 8CAA- 1	74-09-10	--	--	--	--	--	--	--	--	--
	75-06-26	--	--	--	--	--	--	--	--	--
(D-11-25) 7DAC- 1	74-11-21	44	2	21	--	.0	--	--	<67	--
	74-12-10	52	1	20	--	.0	--	--	<45	--
	75-03-12	49	4	6.9	--	--	--	--	<69	--
	75-11-11	45	0	17	--	130	--	--	<56	<.4
	76-06-25	28	0	--	1.0	--	--	3	70	--
	76-09-15	96	0	--	19	--	.00	2	75	--
(D-11-25) 7DAC- 2	75-03-25	81	2	35	--	--	--	--	61	--
	75-04-29	67	1	24	--	--	--	--	<68	--
	75-05-28	44	2	20	--	--	--	--	--	--
	75-07-21	78	1	32	--	--	--	--	--	--
	75-08-06	110	1	28	--	217	--	--	340	--
	75-12-19	43	0	20	--	44	--	--	--	--
	76-06-23	48	0	--	--	--	.00	0	<83	--
(D-11-25) 7DAC- 3	74-11-26	39	1	9.8	--	18	--	--	<40	--
	74-12-10	62	2	27	--	.0	--	--	<61	--
	75-03-11	44	4	16	--	--	--	--	<52	--
	75-11-10	42	0	26	--	116	--	--	<140	<.4
	76-06-25	60	0	--	--	--	--	4	<74	--
	76-09-15	95	0	--	19	--	.00	2	160	--
(D-11-25)21CBC- 1	76-01-23	--	--	--	--	--	--	--	--	--
	76-04-20	--	--	--	--	--	--	--	--	--
	76-07-22	--	--	--	--	--	--	--	--	--
(D-11-25)21CBC- 2	76-01-23	--	--	--	--	--	--	--	--	--
	76-04-20	--	--	--	--	--	--	--	--	--
	76-07-27	--	--	--	--	--	--	--	--	--
(D-11-25)21CCA- 1	74-11-26	210	2	21	--	.0	--	--	<29	--
	74-12-10	250	3	26	--	.0	--	--	54	--
	75-03-12	260	7	17	--	--	--	--	<71	--
	75-11-11	330	1	12	--	151	--	--	<57	.7
	76-06-25	130	0	--	12	--	.00	0	<30	--
	76-09-16	260	0	--	19	--	.00	3	49	--
(D-11-25)21CCA- 2	74-11-26	10	1	4.2	--	.0	--	--	<10	--
	74-12-10	8	1	4.1	--	.0	--	--	<9.8	--
	75-03-11	7	4	3.1	--	--	--	--	<16	--
	75-11-11	6	0	17	--	163	--	--	<9.8	<.4
	76-03-21	10	2	4.6	--	176	.00	3	<11	<.4
	76-06-24	23	0	--	3.2	--	.00	0	<8.8	--
(D-12-23)21CCD- 1	76-01-27	--	--	--	--	--	--	--	--	--
	76-04-07	--	--	--	--	--	--	--	--	--
	76-07-21	--	--	--	--	--	--	--	--	--
(D-12-23)21CCD- 2	76-01-27	--	--	--	--	--	--	--	--	--
	76-04-07	--	--	--	--	--	--	--	--	--
	76-07-21	--	--	--	--	--	--	--	--	--
(D-12-25) 2DAA- 1	76-01-23	--	--	--	--	--	--	--	--	--
	76-04-20	--	--	--	--	--	--	--	--	--
	76-07-22	--	--	--	--	--	--	--	--	--

TABLE 9.—CONTINUED

DATE OF SAMPLE	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	CESIUM 137 DIS-SOLVED (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED NATURAL URANIUM (U) (UG/L)	DIS-SOLVED URANIUM (DIRECT FLUORO-METRIC) (PC/L)	DIS-SOLVED URANIUM (U) (UG/L)
74-12-30	6.3	--	5.4	--	<1.0	<.40	--	--	.41
75-04-04	<6.4	--	<5.1	--	<1.0	<.40	--	--	.15
75-05-14	<6.9	--	<5.5	--	<1.0	<.01	--	--	.26
76-06-26	<6.9	--	<5.5	--	--	--	--	--	--
76-09-20	<3.8	--	<3.1	--	--	.04	--	--	.30
74-11-19	22	--	19	--	<1.0	.10	--	--	24
74-12-17	23	--	20	--	<1.0	.06	77	--	--
75-11-10	98	9.3	83	8.1	<1.0	.10	--	26	--
76-06-25	18	--	14	--	--	.13	--	27	--
76-09-15	<10	--	<8.4	--	--	.09	--	30	--
76-01-21	--	--	--	--	--	--	--	--	--
76-04-20	--	--	--	--	--	--	--	--	--
76-07-22	--	--	--	--	--	--	--	--	--
76-01-21	--	--	--	--	--	--	--	--	--
76-04-20	--	--	--	--	--	--	--	--	--
76-07-22	--	--	--	--	--	--	--	--	--
75-05-15	10	--	8.1	--	<1.0	<.40	--	--	.66
75-06-26	<10	--	<8.2	--	<1.0	<.40	--	--	1.2
75-11-12	180	1.5	140	1.3	--	.32	--	2.1	--
76-09-14	5.7	--	4.5	--	--	.42	--	1.3	--
76-01-15	--	--	--	--	--	--	--	--	--
76-04-06	--	--	--	--	--	--	--	--	--
76-07-13	--	--	--	--	--	--	--	--	--
74-08-20	--	--	--	--	--	--	--	--	--
75-06-26	--	--	--	--	--	--	--	--	--
74-09-10	--	--	--	--	--	--	--	--	--
75-06-26	--	--	--	--	--	--	--	--	--
74-09-10	--	--	--	--	--	--	--	--	--
75-06-26	--	--	--	--	--	--	--	--	--
74-09-10	--	--	--	--	--	--	--	--	--
75-06-26	--	--	--	--	--	--	--	--	--
74-11-21	27	--	24	--	<1.0	.24	--	--	19
74-12-10	<12	--	<10	--	<1.0	.16	11	--	--
75-03-12	25	--	20	--	<1.0	<.40	--	--	20
75-11-11	50	4.7	44	4.4	<1.0	.18	--	22	--
76-06-25	15	--	12	--	--	.15	--	18	--
76-09-15	25	--	20	--	--	.10	--	19	--
75-03-25	24	--	19	--	<1.0	<.40	--	--	.37
75-04-29	31	--	25	--	<1.0	.04	14	--	--
75-05-28	--	--	--	--	--	--	--	--	--
75-07-21	--	--	--	--	--	--	--	--	--
75-08-06	92	--	78	--	--	--	--	--	--
75-12-19	--	--	--	--	--	--	--	--	--
76-06-23	18	--	15	--	--	.06	--	16	--
74-11-26	<10	--	<9.0	--	<1.0	.22	--	--	6.4
74-12-10	19	--	17	--	<1.0	.24	6.1	--	--
75-03-11	<16	--	<13	--	<1.0	<.40	--	--	.28
75-11-10	96	1.5	87	1.4	--	.09	--	9.6	--
76-06-25	<17	--	<14	--	--	.07	--	8.5	--
76-09-15	31	--	25	--	--	.28	--	8.2	--
76-01-23	--	--	--	--	--	--	--	--	--
76-04-20	--	--	--	--	--	--	--	--	--
76-07-22	--	--	--	--	--	--	--	--	--
76-01-23	--	--	--	--	--	--	--	--	--
76-04-20	--	--	--	--	--	--	--	--	--
76-07-27	--	--	--	--	--	--	--	--	--
74-11-26	<7.1	--	<6.2	--	<1.0	.21	.8	--	--
74-12-10	<7.1	--	<6.4	--	<1.0	.59	--	--	.80
75-03-12	22	--	18	--	<1.0	<.40	--	--	6.9
75-11-11	37	<.4	30	<.4	1.0	.20	--	--	.20
76-06-25	<14	--	<11	--	--	.04	--	1.1	--
76-09-16	<7.7	--	<6.6	--	--	.32	--	--	.10
74-11-26	<2.9	--	<2.3	--	<1.0	.21	--	--	<.01
74-12-10	<2.7	--	<2.2	--	<1.0	.14	--	--	<.01
75-03-11	<4.0	--	<3.3	--	<1.0	<.40	--	--	.04
75-11-11	7.4	<.4	6.0	<.4	<1.0	.13	--	.0	<.01
76-03-21	13	<.4	10	<.4	<1.0	.25	--	--	.02
76-06-24	<3.6	--	<2.9	--	--	11	--	.5	--
76-01-27	--	--	--	--	--	--	--	--	--
76-04-07	--	--	--	--	--	--	--	--	--
76-07-21	--	--	--	--	--	--	--	--	--
76-01-27	--	--	--	--	--	--	--	--	--
76-04-07	--	--	--	--	--	--	--	--	--
76-07-21	--	--	--	--	--	--	--	--	--
76-01-23	--	--	--	--	--	--	--	--	--
76-04-20	--	--	--	--	--	--	--	--	--
76-07-22	--	--	--	--	--	--	--	--	--

TABLE 9.—CONTINUED

LOCAL NUMBER	STATION IDENTIFICATION NUMBER	DATE OF SAMPLE	YIELD (GAL/MIN)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
(D-13-21)15ADC- 1	394109109325501	76-01-15	--	9.0	1650	8.0	20	59	55
		76-04-08	--	11.5	1600	8.1	21	62	61
		76-07-14	--	13.0	1670	7.6	20	79	62
(D-13-21)15ADC- 2	394109109325502	76-01-15	--	10.5	2930	7.5	9.6	86	86
		76-04-08	--	11.5	2900	7.7	9.2	78	96
		76-07-14	--	14.0	2890	7.9	10	98	100
(D-13-24)18BBB- 1	394135109164901	76-01-28	--	9.0	5290	8.0	9.8	360	400
		76-04-07	--	7.0	4075	7.4	11	260	300
		76-07-21	--	9.0	4000	7.6	11	270	320
(D-13-24)18BBB- 2	394135109164902	76-01-28	--	8.0	3780	7.5	12	280	270
		76-04-07	--	8.0	3800	7.6	12	260	260
		76-07-21	--	9.5	3800	7.7	11	300	300
(D-13-25)13ADD-S1	394113109032701	74-09-12	.50	10.0	5500	7.7	8.3	110	170
(D-13-26)30CDC-S1	393904109030701	74-09-11	17	10.0	1100	6.9	23	100	61
(D-14-18)25BAC-S1	393428109511501	74-08-19	1.1	12.0	--	7.5	29	63	23
(D-14-22)25CAC-S1	393405109242401	74-08-21	2.0	13.0	1500	7.2	21	75	100
(D-14-24)21CCC-S1	393445109143701	74-08-23	20	9.5	1350	7.4	21	130	73
(D-15-20)15BBD-S1	393102109401201	74-08-20	1.0	14.5	500	7.4	15	62	17
		75-06-17	2.2	11.0	536	7.9	14	65	17
		76-09-25	.50	11.5	485	7.4	14	59	16
(D-15-23)32BCC-S1	392813109221401	74-09-10	17	9.0	1150	7.2	21	110	57
(D-15-23)36DDD-S1	392800109171001	74-08-21	1.2	8.5	550	6.9	18	58	32
		75-06-18	7.5	5.0	481	7.7	16	50	27
		76-09-22	3.0	7.0	530	7.8	16	56	32
(D-15-24)10BCD-S1	393143109131801	74-08-22	160	8.5	1350	7.2	23	150	70
		76-09-16	--	8.5	1300	7.7	21	150	73
(D-15-24)18CDD-S1	393023109162601	74-09-10	3.0	9.0	1100	7.3	25	120	54
(D-15-25) 7BCC-S1	393138109100501	74-08-22	3.0	9.0	900	7.2	15	90	60
(D-15-25)13BAD-S1	393105109040501	74-09-11	20	9.0	1200	7.6	24	120	55
		76-09-15	30	8.5	1150	7.9	22	120	60
(D-15-25)18CDA-S1	393027109094201	74-08-22	1.5	8.5	750	7.2	14	80	52
		76-09-16	2.0	8.0	760	8.1	12	73	46
(D-16-19)18CBC-S1	392440109515501	74-08-20	12	8.5	410	7.5	23	49	17
(D-16-22)23DAD-S1	392357109270101	74-08-22	.30	12.5	700	7.7	24	76	39
(D-16-22)30BAA-S1	392337109314201	75-06-19	12	13.0	666	8.4	21	63	35
		76-09-23	2.0	9.0	780	8.2	25	67	43
(D-16-23)16BBD-S1	392514109232601	74-08-22	3.0	8.5	900	7.5	14	78	55
(D-17-19) 9ACB-S1	392046109494001	75-06-17	100	5.0	377	7.6	14	56	12
(D-17-19)28BAB-S1	391832109495001	74-08-20	.90	6.0	420	7.6	14	58	17
(D-17-21)10BDD-S1	392043109350001	75-06-19	10	11.0	504	8.4	18	48	20
(D-17-22)19BBD-S1	391859109320201	74-08-22	20	7.0	575	7.5	23	77	26
(D-18-20) 7BAD-S1	391545109451501	74-08-20	15	5.0	360	7.9	7.8	52	11
(D-19-19)36CAA-S1	391156109462401	75-06-17	12	5.0	190	7.6	6.7	34	6.5
S(C- 3-102)20DBD-S1	394617108514701	74-09-12	1.0	13.0	--	7.6	17	240	250
S(C- 3-102)29ADB-S1	394541108514001	74-09-12	1.0	13.0	--	7.2	22	240	280
S(C- 4-102)19ABD-S1	394126108525601	74-09-12	2.0	13.0	--	7.0	21	240	180
S(C- 4-102)30CDB-S1	394002108532501	74-09-12	5.0	8.5	650	7.2	29	76	30
S(C- 5-103)21DDD-S1	393611108571801	74-09-11	20	9.0	570	7.1	26	59	31
S(C- 5-103)26BAD-S1	393559108553601	74-09-12	12	7.0	530	8.1	25	55	31
S(C- 5-104)27DAD-S1	393532109025801	74-09-11	3.0	8.5	600	7.4	13	66	37
S(C- 5-104)36ACD-S1	393457109005301	74-09-11	10	8.5	480	7.2	17	53	27
		76-09-15	30	6.0	470	8.0	15	54	26
T(D-15-21)36ADC-S1	392737109322201	74-08-22	30	9.0	900	7.6	19	62	59

TABLE 9.—CONTINUED

DATE OF SAMPLE	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	IODIDE (I) (MG/L)	DIS-SOL-VED SUL-FIDE (S) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)
76-01-15	220	3.5	844	0	220	20	.5	--	--	--	.08	--
76-04-08	230	3.3	819	0	220	17	.6	--	--	--	.01	--
76-07-14	250	4.0	754	0	350	20	.5	--	--	--	7.2	--
76-01-15	520	7.0	1230	0	540	130	1.2	--	--	--	.14	--
76-04-08	470	4.0	1220	0	540	54	1.4	--	--	--	.10	--
76-07-14	540	3.5	1230	0	780	57	1.3	--	--	--	.49	--
76-01-28	490	12	509	0	3100	52	.6	--	--	--	.02	--
76-04-07	360	11	527	0	2200	31	.6	--	--	--	.07	--
76-07-21	370	10	492	--	2400	36	.6	--	--	--	.03	--
76-01-28	300	15	291	0	2100	50	.8	--	--	--	.13	--
76-04-07	310	13	549	0	1900	27	.7	--	--	--	.06	--
76-07-21	320	13	554	--	2200	29	.6	--	--	--	.16	--
74-09-12	1200	7.7	556	0	2900	65	.5	--	--	.1	.01	.00
74-09-11	100	1.1	315	0	420	18	.2	--	--	.2	.01	.01
74-08-19	60	1.0	322	0	110	11	--	--	--	.0	.22	.00
74-08-21	110	2.1	563	0	310	33	--	--	--	.0	.75	.00
74-08-23	--	1.2	136	0	440	13	--	--	--	.0	1.6	.00
74-08-20	24	.5	237	0	59	13	--	--	--	.0	.84	.00
75-06-17	27	.4	250	0	52	14	.3	.2	--	.2	.32	.01
76-09-25	23	.4	231	0	62	12	.3	.9	.02	.2	.87	.01
74-09-10	57	1.6	376	0	310	8.6	.4	--	--	.1	.44	.00
74-08-21	15	.8	298	0	65	3.8	--	--	--	.3	.54	.00
75-06-18	14	.7	262	0	41	4.5	.5	.1	--	.2	.53	.01
76-09-22	15	.8	284	0	64	3.6	.5	.1	.01	.5	.50	.01
74-08-22	48	1.5	330	0	440	12	--	--	--	.0	1.0	.00
76-09-16	65	1.3	329	0	480	12	.2	.1	.01	.3	2.0	.01
74-09-10	54	1.1	326	0	340	9.9	.2	--	--	.2	.18	.00
74-08-22	33	1.0	243	0	300	26	--	--	--	.0	1.4	.00
74-09-11	68	2.2	281	0	440	6.6	.2	--	--	.1	.34	.00
76-09-15	72	1.6	282	0	420	6.1	.2	.1	.01	.5	.44	.01
74-08-22	18	1.2	232	0	230	17	--	--	--	.0	.50	.00
76-09-16	21	1.0	232	0	200	14	.4	.2	.01	.3	.78	.01
74-08-20	14	.5	221	0	54	3.2	--	--	--	.0	.33	.00
74-08-22	29	.8	434	0	58	3.8	--	--	--	.1	.51	.00
75-06-19	53	1.8	378	0	61	8.1	.4	.1	--	.2	.63	.01
76-09-23	54	.7	446	0	72	5.9	.5	--	--	--	.83	--
74-08-22	16	1.1	470	0	70	6.7	--	--	--	.0	.03	.00
75-06-17	7.1	.5	217	0	21	1.9	.2	.0	--	.1	.74	.01
74-08-20	6.6	.5	254	0	17	2.0	--	--	--	.0	.31	.00
75-06-19	33	.9	268	0	44	3.5	.3	.0	--	.2	.35	.00
74-08-22	27	.8	303	0	100	2.2	--	--	--	.2	.18	.00
74-08-20	2.9	.4	183	0	17	1.6	--	--	--	.0	2.2	.00
75-06-17	1.4	.7	133	0	6.3	1.7	.1	.0	--	.2	.06	.00
74-09-12	540	5.8	547	0	2100	27	.4	--	--	.2	.13	.00
74-09-12	470	4.0	438	0	2300	27	.3	--	--	.2	.01	.00
74-09-12	350	5.2	473	0	1600	24	.2	--	--	.2	.40	.00
74-09-12	32	.7	298	0	130	3.5	.1	--	--	.1	1.9	.00
74-09-11	22	.6	274	0	79	2.8	.2	--	--	.2	.53	.00
74-09-12	20	.6	266	0	82	2.3	.2	--	--	.1	.87	.00
74-09-11	10	.8	315	0	74	4.9	.2	--	--	.2	.29	.00
74-09-11	12	.7	267	0	47	2.8	.3	--	--	.1	1.1	.00
76-09-15	12	.7	266	0	35	1.7	.4	.0	.01	.6	1.4	.01
74-08-22	68	1.4	366	0	210	11	--	--	--	.0	1.2	.00

TABLE 9.—CONTINUED

LOCAL NUMBER	DATE OF SAMPLE	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	ALKA-LINITY AS CACO3 (MG/L)	HARD-NESS (CA,MG) (MG/L)
(D-13-21)15ADC- 1	76-01-15	--	--	.03	--	--	1020	1.39	692	370
	76-04-08	--	--	.06	--	--	1020	1.39	672	410
	76-07-14	--	--	.25	--	--	1190	1.62	618	450
(D-13-21)15ADC- 2	76-01-15	--	--	.04	--	--	1990	2.71	1010	570
	76-04-08	--	--	.01	--	--	1860	2.53	1000	590
	76-07-14	--	--	.05	--	--	2200	2.99	1010	660
(D-13-24)18BBB- 1	76-01-28	--	--	.01	--	--	4680	6.36	417	2500
	76-04-07	--	--	.01	--	--	3430	4.66	432	1900
	76-07-21	--	--	.02	--	--	3660	4.98	404	2000
(D-13-24)18BBB- 2	76-01-28	--	--	.00	--	--	3180	4.32	239	1800
	76-04-07	--	--	.00	--	--	3050	4.15	450	1700
	76-07-21	--	--	.01	--	--	3450	4.69	454	2000
(D-13-25)13ADD-S1	74-09-12	.17	.44	.03	.07	4950	4740	6.73	456	980
(D-13-26)30CDC-S1	74-09-11	.02	.21	.02	.03	977	881	1.33	258	500
(D-14-18)25BAC-S1	74-08-19	.04	.03	.00	.03	459	457	.62	264	250
(D-14-22)25CAC-S1	74-08-21	.07	.19	.00	.01	964	934	1.31	462	600
(D-14-24)21CCC-S1	74-08-23	.07	.00	.04	.04	1020	--	1.39	112	630
(D-15-20)15BBD-S1	74-08-20	.02	.66	.00	.03	306	312	.42	194	230
	75-06-17	.01	--	.00	--	--	315	.43	205	230
	76-09-25	.00	.15	.01	.02	294	306	.40	189	210
(D-15-23)32BCC-S1	74-09-10	.06	.16	.04	.15	820	755	1.12	308	510
(D-15-23)36DDD-S1	74-08-21	.03	.00	.04	.10	344	343	.47	244	280
	75-06-18	.01	--	.01	--	--	286	.39	215	240
	76-09-22	.34	.25	.03	.05	317	332	.43	233	270
(D-15-24)10BCD-S1	74-08-22	.12	.30	.01	.06	1020	914	1.39	271	670
	76-09-16	.00	.35	.06	.06	1020	976	1.39	270	680
(D-15-24)18CDD-S1	74-09-10	.04	.09	.04	.03	812	768	1.10	267	520
(D-15-25) 7BCC-S1	74-08-22	.03	.03	.00	.02	718	652	.98	199	470
(D-15-25)13BAD-S1	74-09-11	.02	.20	.04	.03	923	858	1.26	231	530
	76-09-15	.00	.22	.04	.02	921	845	1.25	231	550
(D-15-25)18CDA-S1	74-08-22	.04	.16	.01	.03	586	530	.80	190	410
	76-09-16	.00	.29	.02	.02	518	487	.70	190	370
(D-16-19)18CBC-S1	74-08-20	.07	.21	.02	.04	306	272	.42	181	190
(D-16-22)23DAD-S1	74-08-22	.05	.00	.02	.03	442	448	.60	356	350
(D-16-22)30BAA-S1	75-06-19	.02	--	.01	--	--	434	.59	310	300
	76-09-23	--	--	.02	--	438	492	.60	366	340
(D-16-23)16BBD-S1	74-08-22	.06	.01	.00	.01	479	474	.65	386	420
(D-17-19) 9ACB-S1	75-06-17	.01	--	.01	--	--	224	.30	178	190
(D-17-19)28BAB-S1	74-08-20	.04	.10	.01	.03	225	242	.31	208	220
(D-17-21)10BDD-S1	75-06-19	.01	--	.01	--	--	302	.41	220	200
(D-17-22)19BBD-S1	74-08-22	.03	.08	.04	.06	415	407	.56	249	300
(D-18-20) 7BAD-S1	74-08-20	.11	.07	.01	.01	190	193	.26	150	180
(D-19-19)36CAA-S1	75-06-17	.02	--	.00	--	--	124	.17	109	110
S(C- 3-102)20DBD-S1	74-09-12	.05	.27	.01	.03	4030	3460	5.48	449	1600
S(C- 3-102)29ADB-S1	74-09-12	.10	.21	.03	.05	4050	3570	5.51	359	1800
S(C- 4-102)19ABD-S1	74-09-12	.05	.16	.02	.07	2980	2660	4.05	388	1300
S(C- 4-102)30CDB-S1	74-09-12	.03	.21	.02	.03	463	458	.63	244	310
S(C- 5-103)21DDD-S1	74-09-11	.02	.23	.01	.02	352	359	.48	225	280
S(C- 5-103)26BAD-S1	74-09-12	.02	.03	.01	.04	345	352	.47	218	270
S(C- 5-104)27DAD-S1	74-09-11	.02	.07	.00	.01	353	363	.48	258	320
S(C- 5-104)36ACD-S1	74-09-11	.03	.15	.01	.02	282	297	.38	219	240
	76-09-15	.00	.17	.02	.01	277	283	.38	218	240
T(D-15-21)36ADC-S1	74-08-22	.05	.03	.01	.02	627	618	.85	300	400

TABLE 9.—CONTINUED

DATE OF SAMPLE	NON-CARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED ALUMINUM (AL) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BARIUM (BA) (UG/L)	DISSOLVED BERYLLIUM (BE) (UG/L)	DISSOLVED BISMUTH (BI) (UG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COBALT (CO) (UG/L)
76-01-15	0	56	5.0	--	--	--	--	--	660	--	--	--
76-04-08	0	55	5.0	--	--	--	--	--	420	--	--	--
76-07-14	0	54	5.1	--	--	--	--	--	490	--	--	--
76-01-15	0	66	9.5	--	--	--	--	--	820	--	--	--
76-04-08	0	63	8.4	--	--	--	--	--	820	--	--	--
76-07-14	0	64	9.2	--	--	--	--	--	940	--	--	--
76-01-28	2100	29	4.2	--	--	--	--	--	690	--	--	--
76-04-07	1500	29	3.6	--	--	--	--	--	590	--	--	--
76-07-21	1600	29	3.6	--	--	--	--	--	530	--	--	--
76-01-28	1600	26	3.1	--	--	--	--	--	500	--	--	--
76-04-07	1300	28	3.3	--	--	--	--	--	480	--	--	--
76-07-21	1500	26	3.1	--	--	--	--	--	500	--	--	--
74-09-12	520	73	17	--	3	--	--	--	130	--	--	--
74-09-11	240	30	1.9	--	2	--	--	--	40	--	--	--
74-08-19	0	34	1.6	--	12	--	--	--	70	--	--	--
74-08-21	140	28	2.0	--	1	--	--	--	210	--	--	--
74-08-23	520	--	--	--	3	--	--	--	70	--	--	--
74-08-20	31	19	.7	--	0	--	--	--	50	--	--	--
75-06-17	28	20	.8	20	--	80	0	<3	40	<5	<2	<3
76-09-25	24	19	.7	10	0	200	--	--	40	0	0	--
74-09-10	200	20	1.1	--	2	--	--	--	50	--	--	--
74-08-21	33	11	.4	--	2	--	--	--	30	--	--	--
75-06-18	22	11	.4	20	--	48	0	<3	20	<5	<2	<3
76-09-22	39	11	.4	20	2	0	--	--	20	0	0	--
74-08-22	390	14	.8	--	3	--	--	--	50	--	--	--
76-09-16	410	17	1.1	20	3	0	--	--	40	0	0	--
74-09-10	260	18	1.0	--	1	--	--	--	20	--	--	--
74-08-22	270	13	.7	--	2	--	--	--	50	--	--	--
74-09-11	300	22	1.3	--	2	--	--	--	30	--	--	--
76-09-15	320	22	1.3	10	3	0	--	--	20	0	0	--
74-08-22	220	9	.4	--	3	--	--	--	30	--	--	--
76-09-16	180	11	.5	20	4	0	--	--	30	0	0	--
74-08-20	12	14	.4	--	8	--	--	--	10	--	--	--
74-08-22	0	15	.7	--	4	--	--	--	50	--	--	--
75-06-19	0	28	1.3	20	--	0	--	--	50	--	--	--
76-09-23	0	25	1.3	--	--	--	--	--	70	--	--	--
74-08-22	36	8	.3	--	2	--	--	--	50	--	--	--
75-06-17	12	8	.2	20	--	0	--	--	10	--	--	--
74-08-20	7	6	.2	--	1	--	--	--	10	--	--	--
75-06-19	0	26	1.0	20	--	0	--	--	20	--	--	--
74-08-22	52	16	.7	--	4	--	--	--	30	--	--	--
74-08-20	25	3	.1	--	0	--	--	--	9	--	--	--
75-06-17	3	3	.1	20	--	0	--	--	6	--	--	--
74-09-12	1200	42	5.8	--	1	--	--	--	210	--	--	--
74-09-12	1400	37	4.9	--	1	--	--	--	170	--	--	--
74-09-12	960	36	4.2	--	1	--	--	--	120	--	--	--
74-09-12	70	18	.8	--	2	--	--	--	10	--	--	--
74-09-11	51	15	.6	--	3	--	--	--	10	--	--	--
74-09-12	48	14	.5	--	4	--	--	--	10	--	--	--
74-09-11	59	6	.2	--	1	--	--	--	20	--	--	--
74-09-11	25	10	.3	--	2	--	--	--	20	--	--	--
76-09-15	24	10	.3	20	3	0	--	--	10	0	0	--
74-08-22	99	27	1.5	--	2	--	--	--	110	--	--	--

TABLE 9.—CONTINUED

LOCAL NUMBER	DATE OF SAMPLE	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)
(D-13-21)15ADC- 1	76-01-15	--	--	--	--	--	--	--	--	--
	76-04-08	--	--	--	--	--	--	--	--	--
	76-07-14	--	--	--	--	--	--	--	--	--
(D-13-21)15ADC- 2	76-01-15	--	--	--	--	--	--	--	--	--
	76-04-08	--	--	--	--	--	--	--	--	--
	76-07-14	--	--	--	--	--	--	--	--	--
(D-13-24)18BBB- 1	76-01-28	--	--	--	210	--	--	800	--	--
	76-04-07	--	--	--	--	--	--	--	--	--
	76-07-21	--	--	--	--	--	--	--	--	--
(D-13-24)18BBB- 2	76-01-28	--	--	--	1800	--	--	1000	--	--
	76-04-07	--	--	--	--	--	--	--	--	--
	76-07-21	--	--	--	--	--	--	--	--	--
(D-13-25)13ADD-S1	74-09-12	1	--	--	50	--	60	--	.0	--
(D-13-26)30CDC-S1	74-09-11	0	--	--	30	--	10	--	.0	--
(D-14-18)25BAC-S1	74-08-19	--	--	--	20	--	0	--	.0	--
(D-14-22)25CAC-S1	74-08-21	--	--	--	20	--	260	--	.0	--
(D-14-24)21CCC-S1	74-08-23	--	--	--	20	--	13	--	.0	--
(D-15-20)15BBD-S1	74-08-20	--	--	--	20	--	0	--	.0	--
	75-06-17	0	<1	<3	40	3	10	3	--	6
	76-09-25	0	--	--	10	1	10	0	.0	7
(D-15-23)32BCC-S1	74-09-10	1	--	--	20	--	30	--	.2	--
(D-15-23)36DDD-S1	74-08-21	--	--	--	20	--	38	--	.1	--
	75-06-18	0	<1	<3	10	<3	30	0	--	2
	76-09-22	0	--	--	10	1	40	0	.0	0
(D-15-24)10BCD-S1	74-08-22	--	--	--	20	--	0	--	.0	--
	76-09-16	0	--	--	10	1	20	10	.4	0
(D-15-24)18CDD-S1	74-09-10	0	--	--	20	--	10	--	.1	--
(D-15-25) 7BCC-S1	74-08-22	--	--	--	20	--	25	--	.0	--
(D-15-25)13BAD-S1	74-09-11	0	--	--	20	--	0	--	.1	--
	76-09-15	0	--	--	0	0	20	10	.2	2
(D-15-25)18CDA-S1	74-08-22	--	--	--	30	--	50	--	.0	--
	76-09-16	0	--	--	20	1	60	10	1.2	0
(D-16-19)18CBC-S1	74-08-20	--	--	--	60	--	0	--	.0	--
(D-16-22)23DAD-S1	74-08-22	--	--	--	20	--	38	--	.0	--
(D-16-22)30BAA-S1	75-06-19	--	--	--	10	--	10	--	--	--
	76-09-23	--	--	--	10	--	--	0	--	--
(D-16-23)16BBD-S1	74-08-22	--	--	--	10	--	90	--	.1	--
(D-17-19) 9ACB-S1	75-06-17	--	--	--	20	--	10	--	--	--
(D-17-19)28BAB-S1	74-08-20	--	--	--	20	--	0	--	.0	--
(D-17-21)10BDD-S1	75-06-19	--	--	--	10	--	20	--	--	--
(D-17-22)19BBD-S1	74-08-22	--	--	--	30	--	13	--	.0	--
(D-18-20) 7BAD-S1	74-08-20	--	--	--	20	--	0	--	.0	--
(D-19-19)36CAA-S1	75-06-17	--	--	--	0	--	10	--	--	--
S(C- 3-102)20DBD-S1	74-09-12	0	--	--	50	--	210	--	.0	--
S(C- 3-102)29ADB-S1	74-09-12	1	--	--	50	--	80	--	.0	--
S(C- 4-102)19ABD-S1	74-09-12	0	--	--	20	--	80	--	.0	--
S(C- 4-102)30CDB-S1	74-09-12	0	--	--	70	--	0	--	.1	--
S(C- 5-103)21DDD-S1	74-09-11	0	--	--	20	--	0	--	.0	--
S(C- 5-103)26BAD-S1	74-09-12	0	--	--	20	--	0	--	.0	--
S(C- 5-104)27DAD-S1	74-09-11	1	--	--	20	--	0	--	.0	--
S(C- 5-104)36ACD-S1	74-09-11	0	--	--	20	--	10	--	.0	--
	76-09-15	0	--	--	10	1	30	0	.0	4
T(D-15-21)36ADC-S1	74-08-22	--	--	--	20	--	38	--	.0	--

TABLE 9.—CONTINUED

DATE OF SAMPLE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)
76-01-15	--	--	--	--	--	--	--	--	--	--	--	--
76-04-08	--	--	--	--	--	--	--	--	--	--	--	--
76-07-14	--	--	--	--	--	--	--	--	--	--	--	--
76-01-15	--	--	--	--	--	--	--	--	--	--	--	--
76-04-08	--	--	--	--	--	--	--	--	--	--	--	--
76-07-14	--	--	--	--	--	--	--	--	--	--	--	--
76-01-28	--	--	--	--	--	--	--	--	--	--	--	--
76-04-07	--	--	--	--	--	--	--	--	--	--	--	--
76-07-21	--	--	--	--	--	--	--	--	--	--	--	--
76-01-28	--	--	--	--	--	--	--	--	--	--	--	--
76-04-07	--	--	--	--	--	--	--	--	--	--	--	--
76-07-21	--	--	--	--	--	--	--	--	--	--	--	--
74-09-12	--	0	--	3400	--	--	--	20	--	--	--	--
74-09-11	--	0	--	1500	--	--	--	0	--	--	--	--
74-08-19	--	2	--	--	--	--	--	--	--	--	--	--
74-08-21	--	1	--	1100	--	--	--	30	--	--	--	--
74-08-23	--	1	--	1800	--	--	--	10	--	--	--	--
74-08-20	--	1	--	350	--	--	--	10	--	--	--	--
75-06-17	<3	--	0	420	<3	<2	<2.0	<10	<6	--	--	--
76-09-25	--	1	--	390	--	--	1.1	8	--	2	1.1	4.6
74-09-10	--	1	--	1800	--	--	--	10	--	--	--	--
74-08-21	--	0	--	410	--	--	--	10	--	--	--	--
75-06-18	<3	--	0	420	<3	<2	<2.0	<10	<5	--	--	--
76-09-22	--	1	--	430	--	--	1.3	0	--	1	8.7	<4.6
74-08-22	--	0	--	2100	--	--	--	10	--	--	--	--
76-09-16	--	2	--	2100	--	--	3.1	0	--	1	1.9	92
74-09-10	--	1	--	1400	--	--	--	10	--	--	--	--
74-08-22	--	2	--	1100	--	--	--	10	--	--	--	--
74-09-11	--	1	--	1800	--	--	--	20	--	--	--	--
76-09-15	--	2	--	1600	--	--	1.1	0	--	2	.1	<17
74-08-22	--	0	--	880	--	--	--	10	--	--	--	--
76-09-16	--	2	--	860	--	--	.0	0	--	2	6.2	63
74-08-20	--	3	--	510	--	--	--	10	--	--	--	--
74-08-22	--	1	--	550	--	--	--	30	--	--	--	--
75-06-19	--	--	--	720	--	--	--	--	--	--	--	--
76-09-23	--	--	--	--	--	--	--	--	--	--	--	--
74-08-22	--	1	--	620	--	--	--	30	--	--	--	--
75-06-17	--	--	--	370	--	--	--	--	--	--	--	--
74-08-20	--	0	--	350	--	--	--	20	--	--	--	--
75-06-19	--	--	--	490	--	--	--	--	--	--	--	--
74-08-22	--	0	--	650	--	--	--	10	--	--	--	--
74-08-20	--	0	--	280	--	--	--	0	--	--	--	--
75-06-17	--	--	--	190	--	--	--	--	--	--	--	--
74-09-12	--	2	--	3700	--	--	--	10	--	--	--	--
74-09-12	--	2	--	5600	--	--	--	20	--	--	--	--
74-09-12	--	2	--	5700	--	--	--	10	--	--	--	--
74-09-12	--	0	--	600	--	--	--	10	--	--	--	--
74-09-11	--	0	--	580	--	--	--	20	--	--	--	--
74-09-12	--	1	--	830	--	--	--	0	--	--	--	--
74-09-11	--	2	--	630	--	--	--	20	--	--	--	--
74-09-11	--	0	--	500	--	--	--	0	--	--	--	--
76-09-15	--	1	--	500	--	--	.9	0	--	2	1.8	<5.8
74-08-22	--	0	--	1300	--	--	--	20	--	--	--	--

TABLE 9.—CONTINUED

LOCAL NUMBER	DATE OF SAMPLE	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)
(D-13-21)15ADC- 1	76-01-15	--	--	--
	76-04-08	--	--	--
	76-07-14	--	--	--
(D-13-21)15ADC- 2	76-01-15	--	--	--
	76-04-08	--	--	--
	76-07-14	--	--	--
(D-13-24)18BBB- 1	76-01-28	--	--	--
	76-04-07	--	--	--
	76-07-21	--	--	--
(D-13-24)18BBB- 2	76-01-28	--	--	--
	76-04-07	--	--	--
	76-07-21	--	--	--
(D-13-25)13ADD-S1	74-09-12	--	--	--
(D-13-26)30CDC-S1	74-09-11	--	--	--
(D-14-18)25BAC-S1	74-08-19	--	--	--
(D-14-22)25CAC-S1	74-08-21	--	--	--
(D-14-24)21CCC-S1	74-08-23	--	--	--
(D-15-20)15BBD-S1	74-08-20	--	--	--
	75-06-17	--	--	--
	76-09-25	1.5	1.3	.07
(D-15-23)32BCC-S1	74-09-10	--	--	--
(D-15-23)36DDD-S1	74-08-21	--	--	--
	75-06-18	--	--	--
	76-09-22	1.5	1.2	.09
(D-15-24)10BCD-S1	74-08-22	--	--	--
	76-09-16	9.5	7.8	.12
(D-15-24)18CDD-S1	74-09-10	--	--	--
(D-15-25) 7BCC-S1	74-08-22	--	--	--
(D-15-25)13BAD-S1	74-09-11	--	--	--
	76-09-15	3.3	2.9	.05
(D-15-25)18CDA-S1	74-08-22	--	--	--
	76-09-16	5.9	5.1	.67
(D-16-19)18CBC-S1	74-08-20	--	--	--
(D-16-22)23DAD-S1	74-08-22	--	--	--
(D-16-22)30BAA-S1	75-06-19	--	--	--
	76-09-23	--	--	--
(D-16-23)16BBD-S1	74-08-22	--	--	--
(D-17-19) 9ACB-S1	75-06-17	--	--	--
(D-17-19)28BAB-S1	74-08-20	--	--	--
(D-17-21)10BDD-S1	75-06-19	--	--	--
(D-17-22)19BBD-S1	74-08-22	--	--	--
(D-18-20) 7BAD-S1	74-08-20	--	--	--
(D-19-19)36CAA-S1	75-06-17	--	--	--
S(C- 3-102)20DBD-S1	74-09-12	--	--	--
S(C- 3-102)29ADB-S1	74-09-12	--	--	--
S(C- 4-102)19ABD-S1	74-09-12	--	--	--
S(C- 4-102)30CDB-S1	74-09-12	--	--	--
S(C- 5-103)21DCD-S1	74-09-11	--	--	--
S(C- 5-103)26BAD-S1	74-09-12	--	--	--
S(C- 5-104)27DAD-S1	74-09-11	--	--	--
S(C- 5-104)36ACD-S1	74-09-11	--	--	--
	76-09-15	.8	.7	.03
T(D-15-21)36ADC-S1	74-08-22	--	--	--

Table 10.--Water levels in selected wells

Water level, in feet, below or above (+) land-surface datum.
E, estimated.

Local number (D-9-22)11ABB-1.

Dec. 5, 1975	10.53	May 28, 1976	10.08
Feb. 3, 1976	10.50	June 28	10.44
Feb. 20	10.63	July 14	10.60
Mar. 22	10.24	Aug. 11	10.76
Apr. 8	10.03	Sept. 15	10.78

Local number (D-9-22)11ABB-2.

Dec. 5, 1975	11.71	May 28, 1976	11.24
Feb. 3, 1976	11.70	June 28	11.58
Feb. 20	11.81	July 14	11.82
Mar. 22	11.34	Aug. 11	11.91
Apr. 8	11.09	Sept. 15	12.01

Local number (D-9-22)11DAC-1.

Dec. 16, 1975	9.67	May 28, 1976	9.15
Feb. 3, 1976	9.82	July 14	9.64
Feb. 20	10.06	Aug. 11	9.87
Mar. 22	9.02	Sept. 15	10.05
Apr. 8	8.97		

Local number (D-9-22)11DAC-2.

Dec. 10, 1975	9.99	May 28, 1976	9.33
Feb. 3, 1976	10.06	June 28	9.67
Feb. 20	10.25	July 14	9.82
Mar. 22	9.34	Aug. 11	10.07
Apr. 8	9.17	Sept. 15	10.23

Local number (D-10-20)15DCB-1.

Dec. 11, 1975	21.25	May 26, 1976	20.97
Jan. 15, 1976	20.59	June 29	21.77
Feb. 17	19.84	Aug. 11	22.71
Mar. 15	20.70	Sept. 9	22.42

Local number (D-10-20)15DCB-2.

Dec. 11, 1975	21.69	May 26, 1976	21.25
Jan. 15, 1976	20.20	June 29	22.25
Feb. 17	20.62	July 13	22.59
Mar. 15	20.50	Aug. 11	22.93
Apr. 6	20.65	Sept. 9	23.12

Local number (D-10-21)8CDC-1.

Dec. 10, 1975	+1.98	June 24, 1976	+3.40E
Jan. 19, 1976	+3.43	July 14	+2.63
Mar. 22	Flowing	Aug. 11	+1.90
Apr. 9	Flowing	Sept. 9	+1.25
May 28	Flowing		

Local number (D-10-21)8CDC-2.

Dec. 10, 1975	8.90	June 4, 1976	8.31
Jan. 19, 1976	8.90	July 14	8.85
Feb. 19	8.80	Aug. 11	9.24
Mar. 22	8.43	Sept. 9	9.58
May 28	7.62		

Local number (D-10-22)10ADA-1.

Dec. 16, 1975	19.77	May 27, 1976	19.58
Jan. 20, 1976	19.72	June 24	19.81
Feb. 19	19.51	July 15	20.12
Mar. 24	19.48	Aug. 11	20.30
Apr. 9	19.56	Sept. 15	20.71

Local number (D-10-23)23DBD-1.

Dec. 16, 1975	8.28	June 2, 1976	6.38
Jan. 7, 1976	7.08	June 9	6.44
Jan. 25	7.07	July 21	8.05
Mar. 19	7.51	Aug. 10	8.49
Apr. 19	7.79	Sept. 16	8.32
May 5	7.32		

Local number (D-10-23)23DBD-2.

Dec. 16, 1975	8.10	June 2, 1976	6.52
Jan. 7, 1976	7.81	June 9	6.52
Jan. 25	7.13	July 21	8.35
Mar. 19	7.62	Aug. 10	8.66
Apr. 19	7.79	Sept. 16	8.63
May 5	7.46		

Local number (D-10-24)17DAD-1.

Nov. 12, 1975	13.85	May 5, 1976	13.33
Dec. 16	13.37	June 21	13.00
Jan. 21, 1976	12.69	July 21	13.81
Feb. 26	12.50	Aug. 10	13.98
Mar. 19	13.03	Sept. 7	14.72
Apr. 19	13.49		

Local number (D-10-24)17DAD-2.

Dec. 16, 1975	15.10	May 5, 1976	15.26
Jan. 21, 1976	14.44	June 22	14.92
Feb. 26	14.28	July 21	15.97
Mar. 19	14.93	Aug. 10	16.06
Apr. 19	15.41	Sept. 7	15.99

Table 10.--Water levels in selected wells--continued

Local number (D-10-25)8ACA-1.

Dec. 15, 1975	13.28	May 5, 1976	13.17
Jan. 21, 1976	13.49	June 22	13.53
Feb. 26	13.54	July 22	13.88
Mar. 23	12.81	Aug. 10	13.88
Apr. 20	13.06	Sept. 10	14.01

Local number (D-10-25)8ACA-2.

Dec. 15, 1975	12.60	May 5, 1976	12.52
Jan. 21, 1976	12.79	June 22	12.92
Feb. 26	12.85	July 22	13.12
Mar. 23	11.93	Aug. 10	12.25
Apr. 20	12.35	Sept. 10	13.46

Local number (D-11-19)24ACC-1.

Dec. 11, 1975	18.90	May 26, 1976	15.49
Jan. 15, 1976	18.60	June 29	17.16
Feb. 17	14.95	July 13	17.78
Mar. 15	14.48	Aug. 11	18.91
Apr. 6	14.35	Sept. 9	19.90

Local number (D-11-25)21CBC-1.

Dec. 15, 1975	11.28	May 5, 1976	11.34
Jan. 23, 1976	10.81	June 22	11.44
Feb. 27	10.84	July 22	12.09
Mar. 25	10.74	Aug. 10	12.30
Apr. 20	11.10	Sept. 10	12.58

Local number (D-11-25)21CBC-2.

Dec. 15, 1975	10.35	May 5, 1976	10.39
Jan. 23, 1976	10.01	June 22	11.57
Feb. 27	9.93	July 22	11.15
Mar. 25	9.59	Aug. 10	11.35
Apr. 20	10.08	Sept. 10	11.50

Local number (D-12-23)21CCD-1.

Dec. 9, 1975	13.56	May 6, 1976	12.57
Jan. 27, 1976	13.10	June 23	13.15
Feb. 24	12.71	July 21	12.99
Mar. 23	12.37	Aug. 10	13.77
Apr. 7	12.55	Sept. 16	13.64

Local number (D-12-23)21CCD-2.

Dec. 9, 1975	14.14	May 6, 1976	13.27
Jan. 27, 1976	13.80	June 23	13.64
Feb. 24	13.51	July 2	13.81
Mar. 23	13.34	Aug. 10	14.41
Apr. 7	13.27	Sept. 16	14.08

Local number (D-12-25)2DAA-1.

Dec. 15, 1975	23.97	May 5, 1976	24.03
Jan. 23, 1976	23.64	June 22	23.93
Feb. 27	23.55	July 22	24.49
Mar. 25	23.61	Aug. 10	24.85
Apr. 20	23.93	Sept. 10	25.20

Local number (D-13-21)15ADC-1.

Aug. 11, 1976	13.40	Sept. 9, 1976	13.95

Local number (D-13-21)15ADC-2.

Jan. 16, 1976	15.60	May 7, 1976	14.41
Feb. 18	15.16	June 29	14.91
Mar. 16	14.70	July 14	15.55
Apr. 8	14.63	Sept. 9	16.10

Local number (D-13-24)18BBB-1.

Dec. 1, 1975	39.75	May 6, 1976	26.93
Jan. 28, 1976	32.23	June 26	28.14
Feb. 25	28.72	July 21	30.06
Mar. 23	26.86	Aug. 10	28.21
Apr. 7	26.48	Sept. 16	31.62

Local number (D-13-24)18BBB-2.

Dec. 1, 1975	39.65	May 6, 1976	26.04
Jan. 28, 1976	31.55	June 23	27.34
Feb. 25	27.90	July 21	29.15
Mar. 23	25.84	Aug. 10	27.90
Apr. 7	25.55	Sept. 16	30.86

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