WATER-QUALITY DATA FOR MARSH CREEK, ROCK CREEK, AND CEDAR DRAW, SOUTHERN IDAHO, 1979-81

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CONVERSION FACTORS

For readers who prefer to use metric units, conversion factors for terms used in this report are listed below. Constituent concentrations are given in mg/L (milligrams per liter) or µg/L (micrograms per liter), which are equal to parts per million or parts per billion. Specific conductance is expressed as µmho/cm (micromhos per centimeter at 25 degrees Celsius).

Multiply	By	To obtain
cubic foot per second (ft^3/s)	0.02832	cubic meter per second
mile (mi)	1.609	kilometer
ounce, fluid (fl. oz)	0.02957	liter
ton (short)	0.9072	megagram

Temperature in °C (degrees Celsius) can be converted to °F (degrees Farenheit) as follows:

$$°F = (1.8)(°C) + 32$$

Water temperatures are reported to the nearest 0.5°C.

WATER-QUALITY DATA FOR MARSH CREEK, ROCK CREEK, AND CEDAR DRAW, SOUTHERN IDAHO, 1979-81

By

S. A. Frenzel and M. L. Jones

ABSTRACT

This report presents data collected for Marsh Creek, Rock Creek, and Cedar Draw from 1979 to 1981. These data were collected to study effects of irrigation-return flow on water quality in the three streams. Results of the study are presented in an interpretive report, published separately.

INTRODUCTION

The purpose of this report is to present comprehensive data collected to study effects of irrigation-return flow on water quality in Marsh Creek, Rock Creek, and Cedar Draw, southern Idaho (fig. 1). This study was conducted in cooperation with the Idaho Department of Health and Welfare, Division of Environment.

Water-quality data were collected by the U.S. Geological Survey from October 1979 to October 1981 for Marsh Creek, Rock Creek, and Cedar Draw and are presented in tables 1-3. Data-collection sites were located on main streams and at all major sources of inflow. Water temperature, specific conductance, pH, dissolved oxygen, stream discharge, and coliform bacteria were analyzed onsite. The remaining chemical constituents were analyzed by the U.S. Geological Survey Water-Quality Laboratory, Arvada, Colo.

Suspended-sediment samples and composite water samples for laboratory analysis were collected using a depth-integrated, equal-transit rate technique (Guy and Norman, 1970). Fecal coliform bacteria samples were collected near

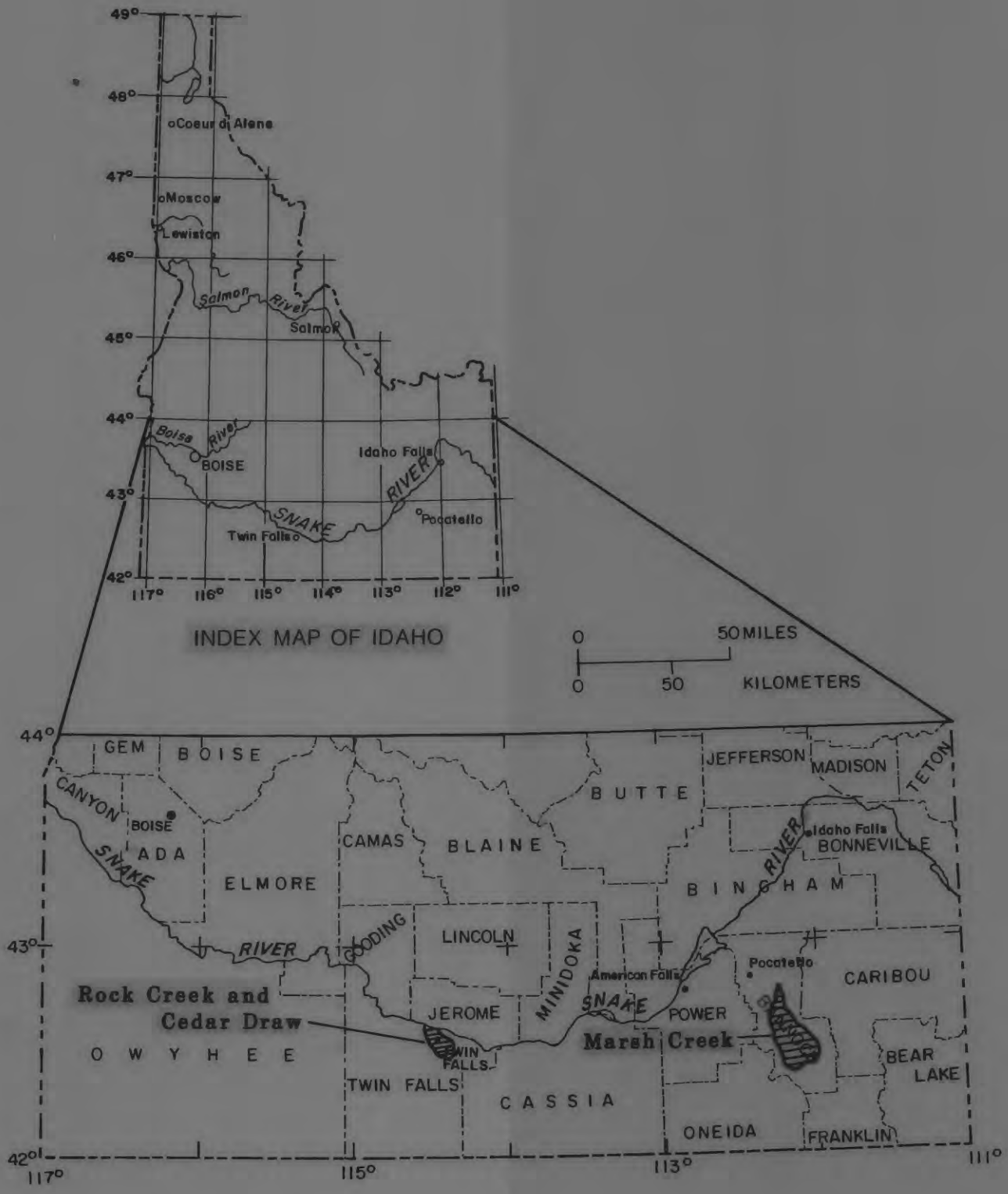

Figure 1.--Locations of study areas.

the center of the stream using a sterilized bottle and were analyzed using the membrane-filtration method (Greeson and others, 1977). Dissolved-oxygen concentration was determined using a Yellow Springs Instruments[1] temperature-dissolved oxygen meter (Skougstad and others, 1979).

SITE-NUMBERING SYSTEM

Each sampling site is assigned a number according to the permanent numbering system used by the U.S. Geological Survey. Numbers are assigned in downstream order along the main stream, and sites on tributaries between mainstream stations are numbered in the order they enter the main stream.

[1]Use of brand and trade names in this report is for identification purposes only and does not constitute endorsement by the U.S. Geological Survey.

REFERENCES CITED

Greeson, P. E., Ehlke, T. A., Irwin, G. A., Lium, B. W., and Slack, K. V., 1977, Methods for collection and analysis of aquatic biological and microbiological samples: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 5, Chap. A4, 332 p.

Guy, H. P., and Norman, V. W., 1970, Field methods for measurement of fluvial sediment: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 3, Chap. C2, 59 p.

Skougstad, M. W., Fishman, M. J., Friedman, L. C., Erdmann, D. E., and Duncan, S. S., 1979, Methods for determination of inorganic substances in water and fluvial sediments: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 5, Chap. A1, 626 p.

DATA SECTION

HEADNOTES FOR TABLES 1, 2, AND 3

TIME, 24-hour
Q, instantaneous streamflow, in cubic feet per second
SC, specific conductance
pH, pH ($-\log_{10}$ hydrogen ion concentration)
WT, water temperature, in °C
TURB, turbidity, in nephelometric turbidity units
DO, dissolved oxygen, in milligrams per liter
SAT, dissolved oxygen, percent saturation
FC, fecal coliform, 0.7 micron filter, endo agar and media in colonies per 100 milliliters
SS, suspended sediment concentration, in milligrams per liter
LOAD, suspended sediment discharge, in tons per day (suspended sediment times instantaneous streamflow times 0.0027)
%<, percent of suspended sediment finer than 0.062 millimeters
Ca, dissolved calcium, in milligrams per liter
Mg, dissolved magnesium, in milligrams per liter
Na, dissolved sodium, in milligrams per liter
SAR, sodium adsorption ratio

$$SAR = \frac{(Na+)}{\sqrt{\frac{(Ca++) + (Mg++)}{2}}}$$

K, dissolved potassium, in milligrams per liter
HCO3, bicarbonate, fixed endpoint titration-field determination, in milligrams per liter
CO3, carbonate, fixed endpoint titration-field determination, in milligrams per liter
SO4, dissolved sulfate, in milligrams per liter
Cl, dissolved chloride, in milligrams per liter
F, dissolved fluoride, in milligrams per liter
Si, dissolved silica, in milligrams per liter
NO3, total nitrate as nitrogen, in milligrams per liter
NO2, total nitrite as nitrogen, in milligrams per liter
NH4, total ammonia nitrogen, in milligrams per liter
+ORG, nitrogen, ammonia + organic total, milligrams per liter
P, total phosphorus, in milligrams per liter
ORTHO, dissolved orthophosphorus, in milligrams per liter
As, total arsenic, in micrograms per liter
B, total recoverable boron, in micrograms per liter
Cr, total recoverable chromium, in micrograms per liter

Cu, total recoverable copper, in micrograms per liter
Fe, total recoverable iron, in micrograms per liter
Pb, total recoverable lead, in micrograms per liter
Mn, total recoverable manganese, in micrograms per liter
Hg, total recoverable mercury, in micrograms per liter
Zn, total recoverable zinc, in micrograms per liter

Other notations:

<, less than
-, no data available
K, less than ideal colony count

Table 1.--Hydrologic and water-quality data, Marsh Creek basin

SITE NO.	NAME	DATE	TIME	Q	SC	pH	WT	TURB	DO	SAT	FC	SS	LOAD	%<
13073120	PORTNEUF MARSH VALLEY CANAL MCCAMMON	80-06-04	0800	39	456	7.9	10.0	28	8.8	94	490	106	11	90
		80-06-25	0915	127	615	8.3	15.0	17	8.0	94	180	73	25	90
		80-07-14	0815	143	623	8.2	17.0	6.4	7.3	89	120	33	13	90
		80-08-12	0845	134	648	8.1	17.0	5.1	7.2	89	320	14	5.1	99
		80-09-19	0850	86	782	8.3	15.0	1.4	7.3	86	540	5	1.2	-
		81-04-15	1115	38	787	8.2	11.5	18	8.7	96	36	66	6.8	93
		81-05-07	1015	92	692	8.4	10.0	3.5	9.4	100	36	18	4.5	76
		81-06-19	0820	112	700	8.2	15.0	7.0	7.4	88	260	21	6.4	73
		81-07-12	0915	147	654	8.3	18.5	9.9	6.8	86	250	57	23	65
		81-08-18	0900	101	684	8.2	19.0	1.7	6.4	82	230	12	3.3	47
		81-09-29	1115	73	829	8.4	14.0	1.9	9.0	103	K 70	15	3	32
13073130	SMITH CANYON NR VIRGINIA	80-01-14	1530	-	-	-	-	-	-	-	-	5740	-	93
		80-02-17	1520	-	-	-	-	-	-	-	-	55500	-	91
13073730	LEFT HAND FORK MARSH CREEK NR DOWNEY	80-04-16	1330	8.0	237	7.3	11.0	130	9.1	96	K 12	1510	33	95
		80-07-12	1230	4.0	420	8.5	13.0	2.3	8.5	84	K 80	9	.1	97
		81-04-13	1300	2.0	364	8.5	9.5	54	10.2	107	K 2	476	2.6	95
		81-07-11	1050	1.2	399	8.5	14.0	.7	8.3	97	160	5	.02	91
13073735	RIGHT HAND FORK MARSH CREEK NR DOWNEY	80-04-16	1230	9.3	149	7.2	9.5	27	9.0	94	K 16	306	7.7	80
		80-07-12	1120	2.0	309	8.4	15.0	2.0	8.5	84	320	12	.06	98
		81-04-13	1215	3.0	216	8.3	8.0	18	10.9	110	K 4	110	.89	92
		81-07-11	0945	1.0	309	8.5	15.5	.5	8.2	99	130	4	.01	56
13073739	LONE PINE CREEK NR DOWNEY	80-07-12	1320	1.2	-	-	-	-	-	-	-	579	1.9	23
		81-04-13	1345	.5	-	-	-	-	-	-	-	910	1.2	87
13073743	MARSH CREEK AT RED ROCK PASS NR DOWNEY	79-10-30	1440	1.8	514	8.7	5.0	-	10.6	95	46	230	1.1	92
		79-12-17	0930	1.8	443	8.3	.0	-	12.0	96	29	46	.23	92
		80-02-13	0920	1.5	491	8.3	.0	10	11.9	98	K 9	96	.39	78
		80-04-16	1030	21	241	7.3	6.0	280	10.6	102	K 30	3460	199	84
		80-06-03	0930	25	346	7.9	6.5	31	10.2	99	780	316	22	74
		80-06-24	0830	14	388	8.6	8.0	6.8	10.0	100	270	57	2.2	81
		80-07-12	1410	.9	400	8.1	18.0	7.3	7.3	92	420	22	.06	94
		80-08-11	1230	4.4	464	8.2	15.0	12	8.5	100	220	72	.87	91
		80-09-18	0800	2.8	495	8.4	9.5	14	9.0	94	450	60	.46	97
		80-10-21	1330	2.8	490	8.4	8.0	.3	9.8	98	46	7	.05	98
		80-12-11	0915	1.7	519	7.9	.0	1.6	12.0	96	43	25	.11	99
		81-02-05	0900	2.4	514	8.2	.0	3.8	11.8	96	K 18	15	.10	78
		81-04-13	1425	6.2	370	8.5	11.5	62	10.4	113	K 4	802	13	90
		81-05-06	0945	1.6	376	8.3	7.0	24	9.9	98	60	87	.38	96
		81-06-18	0830	7.4	414	8.3	8.5	6.0	9.9	101	K 760	23	.46	82
		81-07-11	1330	.8	453	8.6	22.0	2.5	7.6	103	440	4	.01	-
		81-08-17	1340	1.0	493	8.6	21.0	1.0	7.6	101	300	4	.01	62
		81-09-28	1410	1.4	503	8.6	13.0	.6	9.3	106	K 30	29	.11	66
13073745	DOWNATA HOT SPRING NR DOWNEY	80-07-12	1545	.9	433	8.4	37.0	.8	-	-	-	-	-	-
13073746	DOWNATA SPRINGS NR DOWNEY	80-07-12	1650	3.1	619	7.9	22.0	34	-	-	-	-	-	-
13073748	ASPEN CREEK AT MOUTH NR VIRGINIA	80-04-16	1635	.1	372	-	19.0	-	-	-	-	3030	.57	97

Table 1.--Hydrologic and water-quality data, Marsh Creek basin--Continued

SITE NO.	NAME	DATE	TIME	Q	SC	pH	WT	TURB	DO	SAT		FC	SS	LOAD	%<
13073750	MARSH CR AT HWY 191 CROSSING NR DOWNEY	79-10-30	1620	9.6	695	8.3	6.5	-	11.2	107		34	100	2.3	98
		79-12-17	1100	9.6	616	8.0	.0	18	12.4	99		21	67	1.6	98
		80-01-16	1410	88	194	-	1.5	-	-	-		-	2770	658	97
		80-02-13	1055	12	761	7.8	4.0	11	9.6	75	K	4	45	1.5	96
		80-02-21	1300	33	364	7.4	2.0	140	9.4	73		-	-	-	-
		80-04-16	1530	25	536	8.9	16.5	34	8.2	96		41	181	12	96
		80-06-03	1145	50	537	8.0	11.0	40	8.1	87		130	301	41	93
		80-06-24	1030	21	564	8.2	20.0	11	7.7	100		110	26	1.5	99
		80-07-13	0905	8.9	652	8.2	19.5	22	6.5	84		260	63	1.5	98
		80-08-11	1400	5.4	702	8.6	22.5	12	10.6	145		600	17	.25	98
		80-09-18	1030	14	735	8.2	15.0	32	7.7	91		470	44	1.8	99
		80-10-21	1500	14	705	8.3	10.0	1.6	11.3	115		44	23	1.1	99
		80-12-11	1015	11	730	7.9	3.0	7.7	12.5	109	K	14	15	.45	99
		81-02-05	1015	13	726	7.8	.0	54	11.0	94	K	14	119	4.2	93
		81-04-13	1600	14	697	8.5	12.5	39	11.6	128		240	97	3.7	97
		81-05-06	1130	9.0	647	8.2	14.0	64	7.8	90		240	94	2.3	98
		81-06-19	1040	17	592	8.3	15.0	31	9.8	104	K	130	51	2.3	96
		81-07-11	1200	8.2	791	8.4	21.0	27	9.2	103		220	42	.36	94
		81-08-17	1500	2.3	837	8.3	25.0	34	8.4	120		820	67	.42	97
		81-09-28	1600	7.1	801	8.8	15.0	22	11.3	134		240	65	1.2	96
13074770	STATION CREEK AB DIVERSION NR DOWNEY	81-04-14	1045	2.5	327	8.0	13.0	2.0	-	-		-	-	-	-
13074779	BIRCH CR BELOW CHERRY CR NR DOWNEY	80-01-12	1000	-	-	-	-	-	-	-		-	2810	-	99
		80-02-19	1700	-	-	-	-	-	-	-		-	4320	-	96
		80-02-21	1045	12	496	-	4.0	120	-	-		-	833	27	91
		80-04-19	0900	15	410	7.3	7.5	120	9.9	98		240	999	42	97
		80-07-13	1050	3.1	635	8.1	16.0	8.2	8.1	96		2100	28	.24	96
		81-04-14	0915	5.0	572	8.3	3.5	16	13.4	119		420	51	.69	-
13074781	UNNAMED WASH AT WAKLEY RD NR DOWNEY	80-01-12	1100	-	-	-	-	-	-	-		-	1700	-	93
13074782	BIG CREEK NR DOWNEY	80-01-12	1115	-	-	-	-	-	-	-		-	11300	-	95
		80-02-18	1700	-	-	-	-	-	-	-		-	6990	-	99
13074786	REESE CREEK NR DOWNEY	80-01-12	1130	-	-	-	-	-	-	-		-	8350	-	96
13074790	UNNAMED WASH NR FORD RD NR DOWNEY	80-01-12	1030	-	-	-	-	-	-	-		-	5490	-	91
13074792	UNNAMED WASH AT FORD RD NR DOWNEY	80-01-12	1200	-	-	-	-	-	-	-		-	1690	-	94
		80-02-18	1730	-	-	-	-	-	-	-		-	13400	-	99
13074796	POTTER CREEK NR DOWNEY	80-01-12	1230	-	-	-	-	-	-	-		-	4450	-	93
13074810	MARSH CR AB HAWKINS CR NR VIRGINIA	79-10-31	0930	14	731	8.2	1.5	-	11.7	99		90	70	2.7	95
		79-12-17	1300	15	776	8.0	.0	7.1	11.0	88	K	13	28	1.2	93
		80-01-15	1715	320	209	-	1.0	-	-	-		-	487	421	99
		80-02-13	1300	30	912	7.8	.0	4.8	11.0	90	K	4	9	.73	98
		80-02-21	1515	198	388	7.7	1.5	96	9.6	93		-	-	-	-

Table 1.--Hydrologic and water-quality data, Marsh Creek basin--Continued

SITE NO.	NAME	DATE	TIME	Q	SC	pH	WT	TURB	DO	SAT	FC	SS	LOAD	%<
13074810	MARSH CR AB HAWKINS CR NR VIRGINIA	80-04-17	1210	42	717	8.1	12.0	58	9.9	108	67	176	20	92
		80-06-03	1500	103	693	7.8	12.0	13	8.6	95	260	51	14	97
		80-06-24	1340	53	642	8.1	19.0	14	8.8	116	120	59	5.6	96
		80-07-13	1200	13	744	8.4	20.0	18	10.6	138	210	31	1.1	96
		80-08-11	1500	5.8	927	8.3	22.5	4.5	11.0	151	580	8	.13	94
		80-09-15	1245	21	798	8.3	15.5	23	9.6	106	160	29	1.6	100
		80-10-21	1610	26	806	8.1	9.0	1.6	10.4	107	130	64	4.5	94
		80-12-11	1125	24	858	8.0	.0	9.7	11.6	93	< 20	37	2.6	95
		81-03-05	1140	22	824	8.1	.0	22	11.6	94	< 13	38	2.3	94
		81-04-14	1325	67	763	8.4	15.0	20	13.1	151	29	35	2.6	95
		81-05-06	1300	14	774	8.3	12.0	1.0	11.3	122	45	6	.03	90
		81-06-18	1240	24	685	8.2	14.5	11	9.0	103	260	71	4.6	99
		81-07-11	1500	4.3	790	8.8	24.5	13	13.2	164	640	25	.27	99
		81-08-17	1620	0.9	1020	8.2	28.0	17	11.4	173	< 160	46	.36	94
		81-09-29	0855	12	804	8.4	11.0	45	8.1	87	720	112	3.6	97
13074812	YAGO CREEK NEAR VIRGINIA	80-01-14	1600	-	-	-	-	-	-	-	-	2630	-	96
		80-02-17	1540	-	-	-	-	-	-	-	-	12200	-	77
13074814	PECK CREEK NEAR VIRGINIA	80-01-13	1400	-	-	-	-	-	-	-	-	604	-	92
		80-02-17	1200	-	-	-	-	-	-	-	-	3980	-	62
		80-04-19	1515	8.3	518	8.5	17.0	2.2	10.7	106	22	17	.38	90
		80-07-13	1400	3.5	602	8.4	18.5	2.1	10.0	127	360	7	.07	84
		81-04-14	1230	12	681	8.4	12.5	4.4	11.0	122	< 19	26	.84	89
		81-07-11	1400	2.2	865	8.5	21.0	.6	13.4	185	110	2	.01	78
13074820	HAWKINS CR AT VIRGINIA RD CROSS	80-02-21	0930	47	328	-	2.0	340	-	-	-	3340	424	94
		80-04-17	1545	15	547	8.0	12.0	84	8.9	96	260	1250	51	48
13074823	HAWKINS CREEK AT MARSH VALLEY RD	80-01-13	1400	-	-	-	-	-	-	-	-	442	-	99
		80-02-17	1200	-	-	-	-	-	-	-	-	1210	-	98
13074900	MARSH CR AB ARKANSAS CR NR ARIMO	80-07-14	1045	24	826	8.2	16.5	16	8.0	96	700	24	1.6	99
		81-07-11	1520	16	930	8.2	21.0	7.4	10.2	136	1400	17	.73	91
13074910	ARKANSAS CREEK NEAR ARIMO	80-01-14	1500	-	-	-	-	-	-	-	-	3460	-	98
13074950	GARDEN CREEK NR ROBIN	80-01-13	1430	-	-	-	-	-	-	-	-	72	-	96
		80-02-17	1000	-	-	-	-	-	-	-	-	5130	-	93
		80-02-20	1650	83	162	-	3.0	1300	-	-	-	5200	1170	99
		80-04-17	1645	18	383	8.0	11.0	130	8.9	96	410	880	42	97
13074980	MARSH CREEK AT JENSEN RD NR MCCAMMON	80-01-15	1330	725	-	-	-	-	-	-	-	498	975	100
13074982	LOST CREEK NR ROBIN	80-02-20	1545	58	152	-	4.5	1200	-	-	-	4200	661	95
13074995	UNNAMED CR BELOW COTTONWOOD CREEK	80-01-15	1230	-	-	-	-	-	-	-	-	8840	-	94
		80-02-20	1500	6.9	114	-	2.0	2500	-	-	-	29500	546	75

Table 1.--Hydrologic and water-quality data, Marsh Creek basin--Continued

SITE NO.	NAME	DATE	TIME	Q	SC	pH	WT	TURB	DO	SAT		FC	SS	LOAD	%<
13075000	MARSH CREEK NR MCCAMMON	79-10-24	1815	65	832	8.0	10.0	-	-	-		-	-	-	-
		79-10-31	1130	54	829	7.9	5.0	-	10.4	9[illegible]	K	10	15	2.2	95
		79-12-11	1150	56	852	-	1.0	-	-	-		-	-	-	-
		79-12-17	1520	60	762	8.3	3.0	72	11.2	97	K	10	22	3.6	95
		80-02-05	1255	84	850	-	3.0	-	-	-		-	-	-	-
		80-02-14	1200	70	803	8.1	1.0	12	12.5	98		-	36	6.8	86
		80-04-17	1045	89	669	7.6	10.0	140	9.4	97		250	561	140	94
		80-05-16	0910	174	665	7.9	13.5	-	-	-		-	-	-	-
		80-06-02	1600	179	668	7.9	13.0	33	8.1	93		980	573	277	42
		80-06-24	1545	100	697	8.2	20.0	11	8.8	114	K	1400	50	14	96
		80-07-13	1550	55	735	8.4	21.5	10	12.4	165	K	100	15	2.2	97
		80-07-17	1230	34	723	-	20.0	-	-	-		-	-	-	-
		80-08-12	1030	47	800	7.8	15.5	9.0	7.9	96		460	19	2.4	94
		80-09-12	1140	87	766	-	14.0	-	-	-		-	-	-	-
		80-09-16	1440	75	739	8.3	14.5	12	9.2	107		200	20	4.1	96
		80-10-22	0845	61	792	8.0	7.0	1.1	8.2	86		100	40	6.7	95
		80-11-06	1215	79	677	-	8.5	-	-	-		-	-	-	-
		80-12-11	1330	71	827	8.1	2.0	7.3	11.5	97	K	5	23	4.4	91
		81-01-09	1145	76	774	-	2.5	-	-	-		-	-	-	-
		81-02-05	1350	84	797	8.1	.0	24	11.6	94	K	5	70	16	89
		81-02-25	0805	116	772	-	4.5	-	-	-		-	-	-	-
		81-04-14	0840	59	775	-	7.0	-	-	-		-	-	-	-
		81-04-15	0845	59	805	8.1	7.0	17	11.0	107	K	450	40	6.4	96
		81-05-07	0830	46	736	8.3	6.5	1.4	8.9	86		450	27	3.4	96
		81-05-19	0740	61	851	-	10.5	-	-	-		-	-	-	-
		81-06-18	1435	70	763	8.1	16.0	12	9.0	107		140	39	7.4	90
		81-07-06	0830	35	860	7.5	18.0	-	-	-		-	-	-	-
		81-07-12	1045	39	840	8.2	19.0	9.9	8.1	101		270	31	3.3	96
		81-08-18	1105	42	865	8.1	19.0	9.1	7.8	98		430	29	3.3	97
		81-09-21	0815	63	862	-	11.5	-	-	-		-	-	-	-
		81-09-29	1000	68	896	8.2	-	13	9.0	96		210	31	5.7	90
13075007	GOODENOUGH CREEK NR MCCAMMON	80-02-20	1415	20	97	-	2.5	250	-	-		-	10300	566	89
		80-04-19	1110	9.8	106	8.8	11.0	50	9.2	94	K	5	672	18	84
13075007	UNNAMED WASH AT GREEN ROAD NR MCCAMMON	80-02-20	1335	3.6	71	-	2.0	66	-	-		-	11600	114	94
13075008	UNNAMED WASH NR MERRILL RD NR MCCAMMON	80-02-20	1315	.9	85	-	2.5	3400	-	-		-	22700	55	96
13075010	MARSH CREEK AT MERRILL RD NR MCCAMMON	80-01-15	1515	776	-	-	-	-	-	-		-	170	356	99
13075020	BELL MARSH CREEK NEAR MCCAMMON	80-04-19	1215	10	167	7.0	9.5	21	9.6	100		51	247	6.9	74
		81-07-12	0900	2.0	200	8.3	12.0	.9	9.2	101		290	6	.03	78
13075035	WALKER CREEK NEAR INKOM	80-04-19	1320	7.5	321	7.4	11.5	80	9.3	101	K	4	753	15	90
		81-04-15	1000	1.9	334	8.4	5.0	4.4	11.4	106		50	27	.14	86
13075050	MARSH CREEK AB MOUTH NR INKOM	79-10-31	1345	87	788	8.2	8.0	-	10.6	105		44	-	-	-
		79-12-18	0900	80	795	8.7	1.5	56	11.2	96		23	80	17	89
		80-02-14	1430	109	779	8.1	3.0	23	10.7	96		27	54	25	89

Table 1.--Hydrologic and water-quality data, Marsh Creek basin--Continued

SITE NO.	NAME	DATE	TIME	Q	SC	pH	WT	TURB	DO	SAT		FC	SS	LOAD	%<
13075050	MARSH CREEK AB MOUTH NR INKOM	80-04-17	0850	141	621	7.9	9.0	76	9.4	95		100	319	121	97
		80-06-02	1200	329	645	7.9	13.0	140	8.3	93		520	615	546	90
		80-06-25	1145	129	608	8.3	18.0	22	7.8	96		240	96	33	91
		80-07-12	1100	89	672	8.3	20.0	17	7.3	95		1200	88	21	97
		80-07-14	1310	80	656	8.4	20.0	12	8.1	105	K	180	47	10	98
		80-08-12	1145	55	704	8.1	18.0	11	8.8	110		240	26	3.9	99
		80-09-19	1115	102	775	8.1	14.0	21	8.1	93		360	84	23	97
		80-10-22	1030	116	750	8.3	7.0	1.6	9.4	91	K	85	97	30	96
		80-12-11	1510	95	773	8.0	2.0	5.2	12.0	101	K	22	37	9.5	95
		81-02-05	1525	88	734	8.2	1.0	16	12.2	101	K	26	48	11	94
		81-04-15	1350	85	703	8.4	12.5	9.3	11.8	130		30	32	7.3	95
		81-05-07	1210	76	665	8.4	10.0	11	10.0	105		130	27	5.5	92
		81-06-19	1035	98	683	8.2	16.0	21	7.6	90		120	79	21	92
		81-07-11	0940	54	723	8.4	19.0	9.9	9.0	101		250	28	4.1	94
		81-07-12	1140	54	716	8.4	20.0	7.7	8.0	104		150	26	3.8	93
		81-08-18	1230	46	760	8.2	20.0	17	8.0	117		210	50	6.2	98
		81-09-29	1345	84	831	8.3	13.0	9.1	9.3	104		220	45	10	84

Table 1.--Hydrologic and water-quality data, Marsh Creek basin--Continued

			TIME	Ca	Mg	Na	SAR	K	HCO3	CO3	SO4	Cl	F	Si
13073120	PORTNEUF MARSH VALLEY CANAL MCCAMMON	80-06-04	0830	81	21	15	0.4	5.1	-	-	22	16	0.1	14
		80-06-25	0915	-	-	-	-	-	340	0	-	-	-	-
		80-07-14	0815	71	25	24	.6	7.5	350	0	32	28	.3	17
		80-08-18	0845	-	-	-	-	-	360	0	-	-	-	-
		80-09-19	0850	-	-	-	-	-	420	0	-	-	-	-
		81-04-15	1115	-	-	-	-	-	450	0	-	-	-	-
		81-05-07	1015	76	30	19	.5	7.6	370	5	41	28	.1	18
		81-06-19	0820	-	-	-	-	-	400	0	-	-	-	-
		81-07-12	0915	67	28	27	.7	7	400	0	33	38	.2	17
		81-08-19	0900	-	-	-	-	-	380	0	-	-	-	-
		81-09-29	1115	76	37	38	1	10	410	5	46	41	.2	17
13073130	SMITH CANYON NR VIRGINIA	80-01-14	1530	-	-	-	-	-	-	-	-	-	-	-
		80-02-17	1520	-	-	-	-	-	-	-	-	-	-	-
13073730	LEFT HAND FORK MARSH CREEK NR DOWNEY	80-04-16	1330	-	-	-	-	-	170	0	-	-	-	-
		80-07-12	1230	-	-	-	-	-	300	10	-	-	-	-
		81-04-13	1300	-	-	-	-	-	200	12	-	-	-	-
		81-07-11	1050	-	-	-	-	-	230	5	-	-	-	-
13073735	RIGHT HAND FORK MARSH CREEK NR DOWNEY	80-04-16	1230	-	-	-	-	-	73	0	-	-	-	-
		80-07-10	1120	-	-	-	-	-	150	5	-	-	-	-
		81-04-13	1215	-	-	-	-	-	120	0	-	-	-	-
		81-07-11	0945	-	-	-	-	-	160	5	-	-	-	-
13073739	LONE PINE CREEK NR DOWNEY	80-07-12	1320	-	-	-	-	-	-	-	-	-	-	-
		81-04-13	1345	-	-	-	-	-	-	-	-	-	-	-
13073743	MARSH CREEK AT RED ROCK PASS NR DOWNEY	79-10-30	1440	30	5.6	9.4	.4	1.7	210	24	20	12	.2	10
		79-12-17	0930	-	-	-	-	-	210	0	-	-	-	-
		80-02-13	0920	71	14	20	.6	3.1	260	0	31	27	.2	24
		80-04-16	1030	-	-	-	-	-	150	0	-	-	-	-
		80-06-03	0900	95	12	8.7	.2	3.4	-	-	9.7	10	.1	19
		80-06-24	0830	-	-	-	-	-	200	19	-	-	-	-
		80-07-12	1410	63	13	15	.5	2.9	250	0	14	16	.3	19
		80-08-11	1200	-	-	-	-	-	230	0	-	-	-	-
		80-09-18	0800	-	-	-	-	-	260	5	-	-	-	-
		80-10-21	1330	64	13	21	.6	3.6	250	14	20	29	.2	24
		80-12-11	0915	-	-	-	-	-	280	0	-	-	-	-
		81-02-05	0900	72	15	23	.6	3.2	280	0	23	30	.2	27
		81-04-13	1425	-	-	-	-	-	180	12	-	-	-	-
		81-05-06	0945	51	7.7	12	.4	1.9	210	0	15	13	.1	17
		81-06-17	0830	-	-	-	-	-	270	0	-	-	-	-
		81-07-11	1330	59	13	18	.6	2.6	220	10	5.0	22	.1	22
		81-08-17	1340	-	-	-	-	-	220	12	-	-	-	-
		81-09-27	1410	61	15	22	.7	3.7	220	10	< 5.0	34	.3	27
13073745	DOWNATA HOT SPRING NR DOWNEY	80-07-12	1545	-	-	-	-	-	210	5	-	-	-	-
13073746	DOWNATA SPRINGS NR DOWNEY	80-07-12	1650	-	-	-	-	-	290	0	-	-	-	-
13073748	ASPEN CREEK AT MOUTH NR VIRGINIA	80-04-16	1635	-	-	-	-	-	-	-	-	-	-	-

Table 1.--Hydrologic and water-quality data, Marsh Creek basin--Continued

			TIME	Ca	Mg	Na	SAR	K	HCO3	CO3	SO4	Cl	F	Si
13073750	MARSH CR AT HWY 101 CROSSING NR DOWNEY	79-10-30	1620	67	24	37	1	6.4	280	0	39	61	0.2	24
		79-12-17	1100	-	-	-	-	-	230	0	-	-	-	-
		80-01-16	1410	-	-	-	-	-	-	-	-	-	-	-
		80-02-13	1055	90	26	42	1	2.9	310	0	51	72	.2	32
		80-02-21	1300	43	11	18	.6	7.3	160	0	24	30	.2	17
		80-04-16	1530	-	-	-	-	-	170	29	-	-	-	-
		80-06-03	1145	64	17	22	.6	4.7	-	-	19	35	.1	15
		80-06-24	1030	-	-	-	-	-	270	0	-	-	-	-
		80-07-13	0905	58	23	36	1	6.5	300	0	28	67	.3	19
		80-08-11	1400	-	-	-	-	-	220	12	-	-	-	-
		80-09-18	1030	-	-	-	-	-	310	0	-	-	-	-
		80-10-21	1500	71	25	41	1	7.8	310	0	38	71	.2	23
		80-12-11	1015	-	-	-	-	-	320	0	-	-	-	-
		81-02-05	1015	79	24	42	1	5.9	320	0	36	71	.2	24
		81-04-13	1600	-	-	-	-	-	270	22	-	-	-	-
		81-05-06	1130	67	20	33	.9	5.7	290	0	36	61	.2	22
		81-06-18	1040	-	-	-	-	-	260	0	-	-	-	-
		81-07-11	1200	80	25	47	1	6.5	310	8	50	81	.2	27
		81-08-17	1500	-	-	-	-	-	320	0	-	-	-	-
		81-09-28	1600	73	29	50	1	8.2	280	17	< 5.0	97	.3	27
13074770	STATION CREEK AB DIVERSION NR DOWNEY	81-04-14	1045	-	-	-	-	-	170	0	-	-	-	-
13074779	BIRCH CR BELOW CHERRY CR NR DOWNEY	80-01-12	1000	-	-	-	-	-	-	-	-	-	-	-
		80-02-19	1720	-	-	-	-	-	-	-	-	-	-	-
		80-02-21	1045	-	-	-	-	-	-	-	-	-	-	-
		80-04-19	0900	-	-	-	-	-	230	0	-	-	-	-
		80-07-13	1050	-	-	-	-	-	310	0	-	-	-	-
		81-04-14	0915	-	-	-	-	-	310	0	-	-	-	-
13074781	UNNAMED WASH AT WAKLEY RD NR DOWNEY	80-01-12	1100	-	-	-	-	-	-	-	-	-	-	-
13074782	BIG CREEK NR DOWNEY	80-01-12	1115	-	-	-	-	-	-	-	-	-	-	-
		80-02-19	1700	-	-	-	-	-	-	-	-	-	-	-
13074786	REESE CREEK NR DOWNEY	80-01-12	1130	-	-	-	-	-	-	-	-	-	-	-
13074790	UNNAMED WASH NR FORD RD NR DOWNEY	80-01-12	1030	-	-	-	-	-	-	-	-	-	-	-
13074792	UNNAMED WASH AT FORD RD NR DOWNEY	80-01-12	1200	-	-	-	-	-	-	-	-	-	-	-
		80-02-19	1730	-	-	-	-	-	-	-	-	-	-	-
13074796	POTTER CREEK NR DOWNEY	80-01-12	1230	-	-	-	-	-	-	-	-	-	-	-
13074810	MARSH CR AB HAWKINS CR NR VIRGINIA	79-10-31	0930	39	14	26	.9	2.9	310	0	46	83	.2	13
		79-12-17	1300	-	-	-	-	-	300	0	-	-	-	-
		80-01-15	1715	-	-	-	-	-	-	-	-	-	-	-
		80-02-13	1300	100	37	53	1	6.9	370	0	59	100	.2	30
		80-02-21	1515	40	13	22	.8	5.3	170	0	23	37	.2	15

Table 1.--Hydrologic and water-quality data, Marsh Creek basin--Continued

			TIME	Ca	Mg	Na	SAR	K	HCO3	CO3	SO4	Cl	F	Si
13074810	MARSH CR AB HAWKINS CR NR VIRGINIA	80-04-17	1210	-	-	-	-	-	300	0	-	-	-	-
		80-06-03	1500	69	26	34	0.9	3.6	-	-	17	47	0.1	14
		80-06-24	1340	-	-	-	-	-	320	0	-	-	-	-
		80-07-13	1200	70	29	47	1	5.5	310	12	31	72	.4	21
		80-08-11	1500	-	-	-	-	-	360	0	-	-	-	-
		80-09-18	1245	-	-	-	-	-	330	0	-	-	-	-
		80-10-21	1610	-	-	-	-	-	350	0	-	-	-	-
		80-12-11	1125	-	-	-	-	-	390	0	-	-	-	-
		81-02-05	1140	85	32	51	1	5.3	400	0	44	84	.2	29
		81-04-14	1325	-	-	-	-	-	340	5	-	-	-	-
		81-05-06	1300	72	29	46	1	4.7	350	0	38	78	.2	20
		81-06-18	1240	-	-	-	-	-	300	0	-	-	-	-
		81-07-11	1500	58	30	59	2	5.3	270	10	55	92	.2	23
		81-08-17	1620	-	-	-	-	-	430	0	-	-	-	-
		81-09-29	0855	72	29	54	2	6.5	330	5	< 5.0	82	.3	26
13074812	YAGO CREEK NEAR VIRGINIA	80-01-14	1600	-	-	-	-	-	-	-	-	-	-	-
		80-02-17	1540	-	-	-	-	-	-	-	-	-	-	-
13074814	PECK CREEK NEAR VIRGINIA	80-01-13	1400	-	-	-	-	-	-	-	-	-	-	-
		80-02-17	1200	-	-	-	-	-	-	-	-	-	-	-
		80-04-19	1515	-	-	-	-	-	380	17	-	-	-	-
		80-07-13	1400	-	-	-	-	-	410	7	-	-	-	-
		81-04-14	1230	-	-	-	-	-	430	5	-	-	-	-
		81-07-11	1400	-	-	-	-	-	400	10	-	-	-	-
13074820	HAWKINS CR AT VIRGINIA RD CROSS	80-02-21	0930	-	-	-	-	-	-	-	-	-	-	-
		80-04-17	1545	-	-	-	-	-	260	0	-	-	-	-
13074823	HAWKINS CREEK AT MARSH VALLEY RD	80-01-13	1400	-	-	-	-	-	-	-	-	-	-	-
		80-02-17	1200	-	-	-	-	-	-	-	-	-	-	-
13074900	MARSH CR AB ARKANSAS CR NR ARIMO	80-07-14	1045	-	-	-	-	-	400	0	-	-	-	-
		81-07-11	1520	-	-	-	-	-	410	0	-	-	-	-
13074910	ARKANSAS CREEK NEAR ARIMO	80-01-14	1500	-	-	-	-	-	-	-	-	-	-	-
13074950	GARDEN CREEK NR ROBIN	80-01-13	1430	-	-	-	-	-	-	-	-	-	-	-
		80-02-17	1000	-	-	-	-	-	-	-	-	-	-	-
		80-02-20	1650	-	-	-	-	-	-	-	-	-	-	-
		80-04-17	1645	-	-	-	-	-	200	0	-	-	-	-
13074980	MARSH CREEK AT JENSEN RD NR MCCAMMON	80-01-15	1330	-	-	-	-	-	-	-	-	-	-	-
13074982	LOST CREEK NR ROBIN	80-02-20	1545	-	-	-	-	-	-	-	-	-	-	-
13074995	UNNAMED CR BELOW COTTONWOOD CREEK	80-01-15	1230	-	-	-	-	-	-	-	-	-	-	-
		80-02-20	1500	-	-	-	-	-	-	-	-	-	-	-

Table 1.--Hydrologic and water-quality data, Marsh Creek basin--Continued

			TIME	Ca	Mg	Na	SAR	K	HCO3	CO3	SO4	Cl	F	Si
13075Q00	MARSH CREEK NR MCCAMMON	79-10-24	1815	75	34	52	1	10	-	-	58	62	0.3	38
		79-10-31	1130	59	25	38	1	6.2	410	0	57	61	.2	30
		79-12-11	1150	-	-	-	-	-	-	-	-	-	-	-
		79-12-17	1520	-	-	-	-	-	320	0	-	-	-	-
		80-02-05	1255	-	-	-	-	-	-	-	-	-	-	-
		80-02-14	1200	84	34	51	1	7.7	380	0	51	66	.3	35
		80-04-17	1045	-	-	-	-	-	190	0	-	-	-	-
		80-05-16	0910	85	28	35	.8	7.8	-	-	29	53	.2	30
		80-06-02	1600	67	25	35	.9	6.5	-	-	23	42	.1	23
		80-06-24	1545	-	-	-	-	-	340	0	-	-	-	-
		80-07-13	1550	69	32	45	1	9.4	330	5	42	52	.5	34
		80-07-17	1230	-	-	-	-	-	-	-	-	-	-	-
		80-08-12	1030	-	-	-	-	-	390	0	-	-	-	-
		80-09-12	1140	-	-	-	-	-	-	-	-	-	-	-
		80-09-18	1440	-	-	-	-	-	420	0	-	-	-	-
		80-10-22	0845	79	32	51	1	9.2	400	0	48	63	.3	36
		80-11-06	1215	-	-	-	-	-	-	-	-	-	-	-
		80-12-11	1330	-	-	-	-	-	400	0	-	-	-	-
		81-01-09	1145	-	-	-	-	-	-	-	-	-	-	-
		81-02-05	1350	78	31	47	1	6.8	390	0	46	60	.3	36
		81-02-25	0805	-	-	-	-	-	-	-	-	-	-	-
		81-04-14	0840	-	-	-	-	-	-	-	-	-	-	-
		81-04-15	0845	-	-	-	-	-	350	0	-	-	-	-
		81-05-07	0830	71	33	46	1	8	400	0	51	60	.2	32
		81-05-18	0740	-	-	-	-	-	-	-	-	-	-	-
		81-06-18	1435	-	-	-	-	-	350	0	-	-	-	-
		81-07-06	0830	70	34	50	1	10	-	-	70	51	.3	40
		81-07-12	1045	72	35	51	1	9.8	390	0	78	55	.3	39
		81-08-18	1105	-	-	-	-	-	420	0	-	-	-	-
		81-09-21	0815	-	-	-	-	-	-	-	-	-	-	-
		81-09-29	1000	75	36	52	1	9.7	420	0	24	61	.3	38
13075003	GOODENOUGH CREEK NR MCCAMMON	80-02-20	1415	-	-	-	-	-	-	-	-	-	-	-
		80-04-19	1110	-	-	-	-	-	54	0	-	-	-	-
13075007	UNNAMED WASH AT GREEN ROAD NR MCCAMMON	80-02-20	1335	-	-	-	-	-	-	-	-	-	-	-
13075008	UNNAMED WASH NR MERRILL RO NR MCCAMMON	80-02-20	1315	-	-	-	-	-	-	-	-	-	-	-
13075010	MARSH CREEK AT MERRILL RD NR MCCAMMON	80-01-15	1515	-	-	-	-	-	-	-	-	-	-	-
13075020	BELL MARSH CREEK NEAR MCCAMMON	80-04-19	1215	-	-	-	-	-	81	0	-	-	-	-
		81-07-12	0900	-	-	-	-	-	110	0	-	-	-	-
13075035	WALKER CREEK NEAR INKOM	80-04-19	1320	-	-	-	-	-	120	0	-	-	-	-
		81-04-15	1000	-	-	-	-	-	160	7	-	-	-	-
13075050	MARSH CREEK AB MOUTH NR INKOM	79-10-31	1345	60	25	39	1	5.2	370	0	50	56	.2	30
		79-12-18	0900	-	-	-	-	-	300	0	-	-	-	-
		80-02-14	1430	79	31	46	1	7.6	340	0	44	60	.2	33

Table 1.--Hydrologic and water-quality data, Marsh Creek basin--Continued

		TIME	Ca	Mg	Na	SAR	K	HCO3	CO3	SO4	Cl	F	Si
13075050 MARSH CREEK AB MOUTH NR INKOM	80-04-17	0850	-	-	-	-	-	290	0	-	-	-	-
	80-06-02	1200	69	24	32	0.9	5.8	-	-	21	39	0.1	23
	80-06-25	1145	-	-	-	-	-	300	0	-	-	-	-
	80-07-12	1100	-	-	-	-	-	330	0	-	-	-	-
	80-07-14	1310	64	26	39	1	8.1	320	5	35	44	.4	30
	80-08-12	1145	-	-	-	-	-	350	0	-	-	-	-
	80-09-19	1115	-	-	-	-	-	330	0	-	-	-	-
	80-10-22	1030	72	30	45	1	8.9	330	0	43	56	.3	34
	80-12-11	1510	-	-	-	-	-	380	0	-	-	-	-
	81-02-05	1525	74	29	45	1	6.8	370	0	42	53	.2	34
	81-04-15	1350	-	-	-	-	-	310	10	-	-	-	-
	81-05-07	1210	62	27	40	1	6.5	320	7	41	47	.2	28
	81-06-19	1035	-	-	-	-	-	310	0	-	-	-	-
	81-07-11	0940	65	28	43	1	8.3	330	5	61	48	.2	31
	81-07-12	1140	-	-	-	-	-	340	2	-	-	-	-
	81-08-18	1230	-	-	-	-	-	370	0	-	-	-	-
	81-09-29	1345	72	35	51	1	9	380	0	< 5.0	54	.3	30

Table 1.--Hydrologic and water-quality data, Marsh Creek basin--Continued

SITE NO.	NAME	DATE	TIME	NO3	NO2	NH4	+ORG	P	ORTHO	As	B	Cr	Cu	Fe	Pb	Mn	Hg	Zn
13073120	PORTNEUF MARSH VALLEY CANAL MCCAMMON	80-06-04	0800	0.42	0.01	0.06	0.89	0.21	<0.03	2	80	< 1	12	1600	7	90	0.1	40
		80-06-25	0915	.46	.01	.06	.53	.07	.03	-	-	-	-	-	-	-	-	-
		80-07-14	0815	.49	<.01	<.01	.71	.08	.02	3	110	6	26	660	16	40	1.7	30
		80-08-12	0845	.23	.01	.01	1.1	.06	< .01	-	-	-	-	-	-	-	-	-
		80-09-19	0850	1.3	.01	.03	-	.03	.01	-	-	-	-	-	-	-	-	-
		81-04-15	1115	.35	.03	.06	.69	.13	< .01	-	-	-	-	-	-	-	-	-
		81-05-07	1015	.36	.01	.08	1.5	.07	.02	3	370	4	90	310	11	30	.9	40
		81-06-19	0820	.44	.01	.09	.66	.05	.02	-	-	-	-	-	-	-	-	-
		81-07-12	0915	.37	.03	.11	.88	.06	.05	4	210	15	100	730	15	40	.1	20
		81-08-18	0900	.29	.03	.13	.77	.06	.01	-	-	-	-	-	-	-	-	-
		81-09-29	1115	.35	.03	.17	.50	.03	< .01	-	-	-	-	-	-	-	-	-
13073130	SMITH CANYON NR VIRGINIA	80-01-14	1530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-02-17	1520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13073730	LEFT HAND FORK MARSH CREEK NR DOWNEY	80-04-16	1330	.97	<.01	<.01	3.5	.75	.03	-	-	-	-	-	-	-	-	-
		80-07-12	1230	.64	.02	.01	.59	.04	< .01	-	-	-	-	-	-	-	-	-
		81-04-13	1300	1.2	.02	.05	2.4	.26	< .01	-	-	-	-	-	-	-	-	-
		81-07-11	1050	.79	.01	.07	.78	.03	< .02	-	-	-	-	-	-	-	-	-
13073735	RIGHT HAND FORK MARSH CREEK NR DOWNEY	80-04-16	1230	.67	.01	.20	1.5	.22	.03	-	-	-	-	-	-	-	-	-
		80-07-12	1120	.28	.01	.01	.68	.10	< .01	-	-	-	-	-	-	-	-	-
		81-04-13	1215	.46	.02	.08	.76	.12	< .01	-	-	-	-	-	-	-	-	-
		81-07-11	0945	.23	.02	.19	.60	<.05	< .05	-	-	-	-	-	-	-	-	-
13073739	LONE PINE CREEK NR DOWNEY	80-07-12	1320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		81-04-13	1345	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13073743	MARSH CREEK AT RED ROCK PASS NR DOWNEY	79-10-30	1440	1.8	<.01	.01	.47	.11	< .01	-	-	-	-	-	-	-	-	-
		79-12-17	0930	1.3	.03	<.01	.92	.07	< .01	-	-	-	-	-	-	-	-	-
		80-02-13	0920	1.5	<.01	.01	.82	.11	.02	-	-	-	-	-	-	-	-	-
		80-04-16	1030	.96	.04	.10	3.9	1.5	.04	-	-	-	-	-	-	-	-	-
		80-06-03	0930	.71	.01	.07	2.6	1.4	.07	4	100	30	34	28000	36	1400	.1	120
		80-06-24	0830	.76	.01	.03	.87	.24	.03	-	-	-	-	-	-	-	-	-
		80-07-12	1410	1.1	.02	.02	.64	.09	.03	2	60	5	4	710	5	80	1.9	30
		80-08-11	1230	1.8	.01	.06	.41	.09	.02	-	-	-	-	-	-	-	-	-
		80-09-18	0800	2.1	.01	.01	1.8	.09	< .01	-	-	-	-	-	-	-	-	-
		80-10-21	1330	1.3	<.01	.19	.73	.05	.04	-	-	-	-	-	-	-	-	-
		80-12-11	0915	1.5	.01	.10	.70	.06	.03	-	-	-	-	-	-	-	-	-
		81-02-05	0900	1.3	.01	.10	1.1	.06	.04	-	-	-	-	-	-	-	-	-
		81-04-13	1425	1.1	.02	.05	1.6	.27	< .01	-	-	-	-	-	-	-	-	-
		81-05-06	0945	.99	.01	.14	.62	.15	.04	6	330	7	6	2200	8	130	1.0	20
		81-06-18	0830	.94	.01	.08	.71	.04	< .01	-	-	-	-	-	-	-	-	-
		81-07-11	1330	.80	.02	.11	.70	.05	< .05	2	190	4	3	420	2	40	.1	10
		81-08-17	1340	.29	.03	.14	.67	.02	< .01	-	-	-	-	-	-	-	-	-
		81-09-28	1410	.59	.02	.15	.59	<.01	< .01	-	-	-	-	-	-	-	-	-
13073745	DOWNATA HOT SPRING NR DOWNEY	80-07-12	1545	<.01	.01	.03	.30	.01	< .01	-	-	-	-	-	-	-	-	-
13073746	DOWNATA SPRINGS NR DOWNEY	80-07-12	1650	.98	.02	.03	.53	.15	< .01	-	-	-	-	-	-	-	-	-
13073748	ASPEN CREEK AT MOUTH NR VIRGINIA	80-04-16	1635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1.--Hydrologic and water-quality data, Marsh Creek basin--Continued

SITE NO.	NAME	DATE	TIME	NO3	NO2	NH4	+ORG	P	ORTHO	As	B	Cr	Cu	Fe	Pb	Mn	Hg	Zn
13073750	MARSH CR AT HWY 191 CROSSING NR DOWNEY	79-10-30	1620	0.06	0.02	0.03	0.66	0.07	<0.01	-	-	-	-	-	-	-	-	-
		79-12-17	1100	.50	.03	.02	.93	.07	< .01	-	-	-	-	-	-	-	-	-
		80-01-16	1410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-02-13	1055	1.1	.02	.14	.77	.11	.03	-	-	-	-	-	-	-	-	-
		80-02-21	1300	.60	.05	.16	1.7	.95	.14	-	-	-	-	-	-	-	-	-
		80-04-16	1530	<.01	<.01	.02	2.0	.18	.01	-	-	-	-	-	-	-	-	-
		80-06-03	1145	.18	.02	.09	.92	.14	< .04	3	100	< 1	14	2700	11	270	<0.1	30
		80-06-24	1030	.07	.01	.10	.85	.07	.05	-	-	-	-	-	-	-	-	-
		80-07-13	0905	.14	<.01	.11	1.0	.17	.02	7	120	6	6	1300	6	300	1.0	20
		80-08-11	1400	.06	.01	.10	.78	.10	< .03	-	-	-	-	-	-	-	-	-
		80-09-18	1030	2.4	.01	<.01	1.1	.12	.03	-	-	-	-	-	-	-	-	-
		80-10-21	1500	.24	.01	.17	1.4	.08	.01	-	-	-	-	-	-	-	-	-
		80-12-11	1015	.71	.01	.09	1.2	.04	< .01	-	-	-	-	-	-	-	-	-
		81-02-05	1015	.67	.02	.15	1.1	.16	.02	-	-	-	-	-	-	-	-	-
		81-04-13	1600	.28	.03	.11	.74	.04	< .01	-	-	-	-	-	-	-	-	-
		81-05-06	1130	.16	.02	.25	1.7	.21	.04	6	570	7	9	3000	12	350	3.0	20
		81-06-18	1040	.26	.06	.25	1.4	.09	.01	-	-	-	-	-	-	-	-	-
		81-07-11	1200	.20	.04	.13	1.7	.19	.05	7	230	6	5	1400	9	300	.2	20
		81-08-17	1500	.22	.04	.20	2.2	.19	.03	-	-	-	-	-	-	-	-	-
		81-09-28	1600	-	.03	.11	2.5	.18	< .03	-	-	-	-	-	-	-	-	-
13074770	STATION CREEK AB DIVERSION NR DOWNEY	81-04-14	1045	.31	.01	.04	1.7	.04	< .01	-	-	-	-	-	-	-	-	-
13074779	BIRCH CR BELOW CHERRY CP NR DOWNEY	80-01-12	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-02-19	1700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-02-21	1045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-04-19	0900	.44	.01	.04	1.8	.05	.03	-	-	-	-	-	-	-	-	-
		80-07-13	1050	.53	<.01	.02	.63	.09	< .01	-	-	-	-	-	-	-	-	-
		81-04-14	0915	.37	.02	.06	.66	.11	.02	-	-	-	-	-	-	-	-	-
13074781	UNNAMED WASH AT WAKLEY RD NR DOWNEY	80-01-12	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13074782	BIG CREEK NR DOWNEY	80-01-12	1115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-02-18	1700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13074786	REESE CREEK NR DOWNEY	80-01-12	1130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13074790	UNNAMED WASH NR FORD RD NR DOWNEY	80-01-12	1030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13074792	UNNAMED WASH AT FORD RD NR DOWNEY	80-01-12	1200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-02-18	1730	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13074796	POTTER CREEK NR DOWNEY	80-01-12	1230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13074810	MARSH CR AB HAWKINS CP NR VIRGINIA	79-10-31	0930	.34	.02	.03	.80	.07	.01	-	-	-	-	-	-	-	-	-
		79-12-17	1300	.37	.03	.02	.89	.03	< .01	-	-	-	-	-	-	-	-	-
		80-01-15	1715	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-02-13	1300	.76	.02	.03	.58	.05	.02	-	-	-	-	-	-	-	-	-
		80-02-21	1515	.40	.03	.09	1.2	.31	.13	-	-	-	-	-	-	-	-	-

Table 1.--Hydrologic and water-quality data, Marsh Creek basin--Continued

SITE NO.	NAME	DATE	TIME	NO3	NO2	NH4	+ORG	P	ORTHO	As	B	Cr	Cu	Fe	Pb	Mn	Hg	Zn
13074810	MARSH CR AB HAWKINS CR NR VIRGINIA	80-04-17	1210	0.09	0.04	0.12	1.5	0.21	0.01	-	-	-	-	-	-	-	-	-
		80-06-03	1500	.01	.01	.03	1.5	.21	< .02	3	130	< 1	6	810	5	70	<0.1	20
		80-06-24	1340	.12	.01	.08	.81	.06	.04	-	-	-	-	-	-	-	-	-
		80-07-13	1200	.38	.01	<.01	.92	.11	.02	5	140	4	27	1100	11	120	1.4	30
		80-08-11	1500	< .01	.01	.27	1.1	.15	.09	-	-	-	-	-	-	-	-	-
		80-09-16	1245	.82	.03	.05	.91	.12	.01	-	-	-	-	-	-	-	-	-
		80-10-21	1610	-	-	-	-	-	.01	-	-	-	-	-	-	-	-	-
		80-12-11	1125	1.4	.01	.13	.79	.04	< .01	-	-	-	-	-	-	-	-	-
		81-02-05	1140	.81	.04	.18	4.1	.05	.02	-	-	-	-	-	-	-	-	-
		81-04-14	1325	.19	.02	.09	1.9	.12	< .01	-	-	-	-	-	-	-	-	-
		81-05-06	1300	.03	.01	.10	1.6	.07	.01	4	430	1	4	460	6	80	3.6	<10
		81-06-18	1240	.56	.09	.16	1.3	.09	< .01	-	-	-	-	-	-	-	-	-
		81-07-11	1500	.40	.05	.13	1.1	.10	< .08	6	260	7	4	820	6	100	.1	10
		81-08-17	1620	.08	.03	.14	1.6	.25	.09	-	-	-	-	-	-	-	-	-
		81-09-29	0855	.66	.03	.16	1.4	.17	< .04	-	-	-	-	-	-	-	-	-
13074812	YAGO CREEK NEAR VIRGINIA	80-01-14	1600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-02-17	1540	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13074814	PECK CREEK NEAR VIRGINIA	80-01-13	1400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-02-17	1200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-04-19	1515	2.7	.01	.20	.73	.05	< .01	-	-	-	-	-	-	-	-	-
		80-07-13	1400	2.1	<.01	<.01	.46	.05	.02	-	-	-	-	-	-	-	-	-
		81-04-14	1230	3.2	.02	.06	1.2	.10	< .01	-	-	-	-	-	-	-	-	-
		81-07-11	1400	1.3	.02	.12	1.0	.03	< .02	-	-	-	-	-	-	-	-	-
13074820	HAWKINS CR AT VIRGINIA RD CROSS	80-02-21	0930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-04-17	1545	.81	.03	.08	1.9	.83	.18	-	-	-	-	-	-	-	-	-
13074823	HAWKINS CREEK AT MARSH VALLEY RD	80-01-13	1400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-02-17	1200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13074900	MARSH CR AB ARKANSAS CR NR ARIMO	80-07-14	1045	.72	.01	.03	.91	.11	.01	-	-	-	-	-	-	-	-	-
		81-07-11	1520	.50	.04	.26	1.0	.08	.06	-	-	-	-	-	-	-	-	-
13074910	ARKANSAS CREEK NEAR ARIMO	80-01-14	1500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13074950	GARDEN CREEK NR ROBIN	80-01-13	1430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-02-17	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-02-20	1650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-04-17	1645	1.2	.04	.06	2.6	.43	.10	-	-	-	-	-	-	-	-	-
13074980	MARSH CREEK AT JENSEN RD NR MCCAMMON	80-01-15	1330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13074982	LOST CREEK NR ROBIN	80-02-20	1545	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13074995	UNNAMED CR BELOW COTTONWOOD CREEK	80-01-15	1230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-02-20	1500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1.--Hydrologic and water-quality data, Marsh Creek basin--Continued

SITE NO.	NAME	DATE	TIME	NO3	NO2	NH4	+ORG	P	ORTHO	As	B	Cr	Cu	Fe	Pb	Mn	Hg	Zn
13075000	MARSH CREEK NR MCCAMMON	79-10-24	1815	-	-	-	-	0.09	-	-	-	-	-	-	-	-	-	-
		79-10-31	1130	0.66	<.01	0.02	0.41	.06	<0.01	-	-	-	-	-	-	-	-	-
		79-12-11	1150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		79-12-17	1520	1.1	.04	.10	1.1	.07	< .01	-	-	-	-	-	-	-	-	-
		80-02-05	1255	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-02-14	1200	1.4	.02	.07	.63	.10	.02	-	-	-	-	-	-	-	-	-
		80-04-17	1045	.63	.05	.20	2.7	.63	.01	-	-	-	-	-	-	-	-	-
		80-05-16	0910	-	-	-	-	2.2	-	-	-	-	-	-	-	-	-	-
		80-06-02	1600	.29	.01	.06	1.0	1.8	< .05	4	140	< 1	9	3000	12	130	<0.1	30
		80-06-24	1545	.36	.02	.08	.94	.16	.04	-	-	-	-	-	-	-	-	-
		80-07-13	1550	.37	<.01	<.01	1.8	.09	.01	7	160	3	8	490	12	100	1.3	20
		80-07-17	1230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-08-12	1030	.36	.02	.01	.58	.07	< .01	-	-	-	-	-	-	-	-	-
		80-09-12	1140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-09-18	1440	.98	.02	.01	.69	.08	.02	-	-	-	-	-	-	-	-	-
		80-10-22	0845	1.1	.01	.19	.99	.10	.03	-	-	-	-	-	-	-	-	-
		80-11-06	1215	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-12-11	1330	1.7	.01	.12	.83	.05	.04	-	-	-	-	-	-	-	-	-
		81-01-09	1145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		81-02-05	1350	1.3	.02	.14	1.2	.11	.04	-	-	-	-	-	-	-	-	-
		81-02-25	0805	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		81-04-14	0840	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		81-04-15	0845	.68	.02	.07	1.0	.14	< .01	-	-	-	-	-	-	-	-	-
		81-05-07	0830	.52	.02	.13	1.2	.11	.04	6	240	1	6	890	8	100	1.0	10
		81-05-18	0740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		81-06-18	1435	.38	.01	.08	1.1	.04	.02	-	-	-	-	-	-	-	-	-
		81-07-06	0830	-	-	-	-	.11	-	-	-	-	-	-	-	-	-	-
		81-07-12	1045	.43	.02	.10	.94	.09	.06	9	270	8	5	750	8	120	.2	20
		81-08-18	1105	.35	.03	.17	1.2	.06	.02	-	-	-	-	-	-	-	-	-
		81-09-21	0815	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		81-09-29	1000	.64	.04	.14	.84	.07	< .01	-	-	-	-	-	-	-	-	-
13075003	GOODENOUGH CREEK NR MCCAMMON	80-02-20	1415	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-04-19	1110	.16	.01	.13	1.2	.33	.04	-	-	-	-	-	-	-	-	-
13075007	UNNAMED WASH AT GREEN ROAD NR MCCAMMON	80-02-20	1335	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13075008	UNNAMED WASH NR MERRILL RD NR MCCAMMON	80-02-20	1315	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13075010	MARSH CREEK AT MERRILL RD NR MCCAMMON	80-01-15	1515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13075020	BELL MARSH CREEK NEAR MCCAMMON	80-04-19	1215	.05	<.01	<.01	.52	.13	< .01	-	-	-	-	-	-	-	-	-
		81-07-12	0900	.05	.01	.11	.54	.05	.03	-	-	-	-	-	-	-	-	-
13075035	WALKER CREEK NEAR INKOM	80-04-19	1320	.31	.01	.04	2.4	.86	.01	-	-	-	-	-	-	-	-	-
		81-04-15	1000	.11	.02	.05	.48	.06	< .01	-	-	-	-	-	-	-	-	-
13075050	MARSH CREEK AB MOUTH NR INKOM	79-10-31	1345	.82	.10	.02	.60	.10	< .01	-	-	-	-	-	-	-	-	-
		79-12-18	0900	1.1	.04	.10	1.2	.10	.01	-	-	-	-	-	-	-	-	-
		80-02-14	1430	1.2	.01	.09	.76	.13	.02	-	-	-	-	-	-	-	-	-

Table 1.--Hydrologic and water-quality data, Marsh Creek basin--Continued

SITE NO.	NAME	DATE	TIME	NO3	NO2	NH4	+ORG	P	ORTHO	As	B	Cr	Cu	Fe	Pb	Mn	Hg	Zn
13075050	MARSH CREEK AB MOUTH NR INKOM	80-04-17	0850	0.57	0.03	0.20	1.6	0.35	0.03	-	-	-	-	-	-	-	-	-
		80-06-02	1200	.29	.02	.07	2.0	.40	.06	4	160	10	16	9000	17	350	0.1	50
		80-06-25	1145	.34	.02	.06	1.4	.12	.04	-	-	-	-	-	-	-	-	-
		80-07-12	1100	.41	<.01	<.01	.61	.14	< .01	-	-	-	-	-	-	-	-	-
		80-07-14	1310	.35	<.01	<.01	.57	.11	< .01	6	130	7	12	1200	7	100	1.3	20
		80-08-12	1145	.07	.02	.03	.42	.07	.01	-	-	-	-	-	-	-	-	-
		80-09-19	1115	.77	.01	.02	.73	.13	.02	-	-	-	-	-	-	-	-	-
		80-10-22	1030	.85	.01	.04	.97	.15	.03	-	-	-	-	-	-	-	-	-
		80-12-11	1510	1.5	.01	.12	1.2	.07	.04	-	-	-	-	-	-	-	-	-
		81-02-05	1525	1.1	.02	.12	.80	.09	.04	-	-	-	-	-	-	-	-	-
		81-04-15	1350	.40	.03	.05	.94	.10	< .01	-	-	-	-	-	-	-	-	-
		81-05-07	1210	.39	.02	.09	.71	.09	.02	4	370	4	8	750	8	70	.7	20
		81-06-19	1035	.26	.02	.06	.94	.08	.02	-	-	-	-	-	-	-	-	-
		81-07-11	0940	.21	.02	.10	.81	.08	.04	7	220	5	5	720	9	80	.2	20
		81-07-12	1140	.17	.02	.20	.87	.07	.05	-	-	-	-	-	-	-	-	-
		81-08-18	1230	.28	.03	.18	1.1	.07	< .01	-	-	-	-	-	-	-	-	-
		81-09-29	1345	.49	.03	.15	.88	.07	< .01	-	-	-	-	-	-	-	-	-

Table 2.--Hydrologic and water-quality data, Rock Creek area

SITE NO.	NAME	DATE	TIME	Q	SC	pH	WT	TURB	DO	SAT		FC	SS	LOAD	%<
13088020	TWIN FALLS MAIN CANAL NR HANSEN	79-11-02	0900	634	508	8.9	5.0	-	12.2	120	K	1	10	17	80
		80-04-20	1255	1940	478	8.8	12.0	27	12.1	132		23	106	555	88
		80-05-13	1620	3510	443	8.8	14.0	15	10.6	121		220	30	284	95
		80-06-26	1045	3540	400	8.9	18.5	10	10.0	125	K	10	20	191	82
		80-07-10	0820	4080	400	8.6	19.0	6.8	8.2	102		42	20	220	92
		80-08-13	1615	3870	392	8.7	21.5	9.6	1 .7	142	K	4	34	355	80
		80-09-17	1045	2160	398	8.8	16.0	13	10.4	122	K	25	19	111	86
		80-10-22	1530	1390	448	8.4	7.5	.8	11.2	108	<	1	6	23	95
		81-05-12	1500	3460	462	8.7	10.0	13	10.9	111	K	4	37	346	65
		81-06-16	1500	3150	444	8.7	15.0	53	10.4	121	K	6	23	238	72
		81-07-07	1615	4070	418	8.7	20.0	6.6	8.6	109	K	14	42	462	39
		81-08-20	0845	4040	424	8.5	22.0	12	7.0	93		29	30	327	59
		81-09-30	1340	2290	473	8.6	13.0	11	9.5	103	K	12	15	93	87
13092000	ROCK CREEK NEAR ROCK CREEK	79-11-01	1415	10	180	8.0	5.0	-	10.5	100	K	10	3	.03	-
		79-12-18	1430	13	180	7.5	4.5	.8	10.4	100		69	3	.11	97
		80-02-11	1145	13	157	7.7	2.0	2.0	12.1	103		27	6	.22	88
		80-04-22	0845	200	79	7.5	6.5	36	9.9	95		120	174	95	75
		80-05-14	1420	142	86	7.2	10.0	14	9.6	100		64	57	22	79
		80-06-26	1310	46	118	7.8	14.5	5.3	8.6	99	K	20	16	2	75
		80-07-09	1600	27	140	8.0	19.0	2.5	10.0	105	K	32	7	.43	85
		80-08-14	1200	12	199	8.2	17.0	2.2	8.6	106		58	3	.10	73
		80-09-17	1315	11	202	8.2	15.0	13	8.5	99	K	5	3	.09	72
		80-10-23	1240	12	190	7.7	5.0	.5	10.9	99		13	2	.06	-
		80-12-10	1150	12	151	7.6	.5	1.3	12.4	99	K	14	1	.03	-
		81-02-03	1050	3.4	175	8.0	.0	2.2	14.1	112		78	7	.16	90
		81-04-08	1355	19	125	8.1	6.0	6.9	12.0	114		49	18	.92	89
		81-05-13	1445	44	112	7.9	12.0	11	9.4	102	K	17	20	2.4	85
		81-06-16	1715	18	149	8.1	15.5	3.0	9.6	106	K	56	10	.49	90
		81-07-08	1430	11.0	172	8.3	16.0	1.1	9.0	103		56	6	.18	73
		81-08-19	1130	6.5	215	8.1	17.5	.9	8.1	99		520	2	.04	75
		81-09-30	1145	8.7	206	8.1	10.0	3.9	9.9	101		51	2	.05	69
13092050	ROCK CREEK AT ROCK CREEK	80-05-14	0915	91	91	7.8	7.0	13	10.3	99		120	65	16	73
		80-07-09	1045	7.1	160	8.2	17.0	3.4	9.8	93	K	30	9	.17	90
		81-05-13	0950	13	140	7.9	8.0	9.0	10.0	95		90	15	.53	91
		81-07-08	0940	.4	251	8.2	12.0	110	9.0	96		840	136	.15	98
13092094	INFLOW ABOVE 3600 EAST RD NR ROCK CREEK	80-07-09	1515	1.7	649	8.3	24.0	3.6	-	-		-	23	.11	92
		81-07-08	1410	2.4	595	8.7	20.0	2.0	12.4	157		500	6	.04	85
13092095	ROCK CR AT 3600 EAST RD NR ROCK CREEK	80-05-14	1115	81	168	8.0	10.0	17	9.9	-		500	82	18	79
		80-07-09	1345	5.2	656	8.3	22.5	3.4	10.2	96		1000	15	.21	97
		81-05-13	1135	3.3	554	8.6	12.5	3.1	11.3	107		510	6	.05	99
		81-07-08	1135	5.3	607	8.5	15.0	5.0	12.4	141		450	6	.09	84
13092105	ROCK CREEK AT 3500 EAST RD NR ROCK CREEK	80-05-14	1330	91	232	8.2	14.0	17	9.3	105		540	78	19	82
		80-07-09	1610	8.5	711	8.3	22.5	23	9.7	91		600	42	.97	99
		81-05-13	1350	5.0	594	8.6	16.0	38	11.6	109		65	10	.14	89
		81-07-08	1530	9.8	623	8.6	23.0	12	10.6	136		450	34	.90	95
13092400	COTTONWOOD CR NR ROCK CREEK	80-05-14	1500	1.4	527	-	21.5	-	-	-		-	22	.08	93

Table 2.--Hydrologic and water-quality data, Rock Creek area--Continued

SITE NO.	NAME	DATE	TIME	Q	SC	pH	WT	TURB	DO	SAT	FC	SS	LOAD	%<
13092400	COTTONWOOD CR NR ROCK CREEK	81-05-13	1700	2.7	464	7.2	20.0	5.1	-	-	150	12	0.09	86
		81-07-09	1110	8.6	470	8.8	19.5	4.4	10.2	128	K 200	12	.28	89
13092551	INFLOW TO COTTONWOOD CR BELOW MCMULLEN	81-05-13	1550	3.6	597	8.4	19.0	40	-	-	-	157	1.5	90
		81-07-09	0835	6.8	706	7.8	14.0	3.6	8.6	97	490	5	.09	82
13092552	COTTONWOOD CREEK BELOW MCMULLEN CREEK	80-07-10	1115	12	731	8.3	15.5	5.1	10.8	102	1100	18	.58	96
		81-05-13	1515	8.9	597	8.6	19.0	22	10.6	100	660	62	1.5	90
		81-07-09	0940	25	646	8.3	14.5	3.1	9.5	107	340	10	.67	77
13092620	ROCK CR BELOW COTTONWOOD CR NR ROCK CREEK	80-05-14	1600	110	323	8.1	15.5	19	8.6	100	K 400	127	38	77
		80-07-10	1430	16	720	8.5	22.0	3.1	10.8	101	460	11	.49	86
		81-05-14	0845	21	651	8.4	10.5	20	9.6	96	K 820	51	2.9	86
		81-07-09	1415	23	646	9.0	22.0	3.1	10.4	142	K 160	12	.75	84
13092703	INFLOW AB ROCK CR AT 3400 NORTH RD	80-07-10	1715	7.9	767	8.0	14.0	1.7	9.2	96	200	8	.17	74
13092704	ROCK CR AT 3400 NORTH RD NR TWIN FALLS	80-05-14	1750	120	351	8.0	16.0	25	8.6	106	420	136	44	82
		80-07-10	1600	26	696	8.4	24.0	4.6	9.9	93	480	20	1.4	83
		81-05-14	1000	32	649	8.4	10.0	17	9.9	93	940	28	2.4	95
		81-07-09	1545	37	647	8.8	24.0	6.4	10.8	148	200	17	1.7	88
13092710	ROCK CREEK AT 12 MILE NR TWIN FALLS	79-11-01	1600	52	717	8.5	9.0	-	9.9	95	22	14	2.0	80
		79-12-19	1530	32	674	8.6	5.0	46	11.9	107	K 2	10	.86	80
		80-02-11	1435	26	626	8.5	6.0	18	10.8	104	K 6	51	3.6	97
		80-05-15	0845	147	383	7.7	10.0	35	9.3	95	1600	212	84	75
		80-06-26	1440	70	631	8.6	20.0	17	8.6	109	860	36	6.8	91
		80-07-10	1050	51	696	8.3	17.0	12	10.0	116	3400	28	3.9	94
		80-08-14	1400	61	736	8.6	19.0	14	9.8	122	760	32	5.3	96
		80-09-17	0850	83	756	8.2	12.0	10	9.0	96	360	44	9.9	93
		80-10-23	1425	51	744	8.7	10.0	.6	12.8	136	50	3	.41	83
		80-12-10	1035	25	696	8.3	1.0	2.9	12.8	102	37	8	.54	85
		81-02-03	1535	20	624	8.4	3.0	9.0	12.0	106	120	24	1.3	97
		81-04-06	1545	34	440	8.7	11.0	24	11.4	119	K 4	51	4.7	97
		81-05-14	1115	46	640	8.4	11.0	45	8.5	89	1000	46	5.7	92
		81-06-17	1330	70	629	8.5	14.0	42	10.1	111	300	16	3.0	90
		81-07-08	1620	55	651	8.8	20.0	43	9.3	118	210	66	9.8	95
		81-08-19	1330	72	701	8.4	19.0	25	10.1	129	520	54	10	93
		81-09-30	1530	81	735	8.6	14.0	3.3	10.4	114	K 100	13	2.8	64
13092713	H COULEE AT END HILLCREST RD	80-05-15	0900	10	462	-	12.1	-	-	-	-	457	12	97
		80-07-11	0830	11	432	8.4	15.0	290	8.8	82	3000	711	21	97
		81-05-14	1340	6.6	487	8.5	13.0	230	8.8	82	600	251	4.5	95
		81-07-09	1730	6.2	442	8.6	26.0	210	6.6	93	1800	428	7.2	98
13092735	THORP TUNNEL NEAR TWIN FALLS	80-05-15	1410	1.5	958	8.0	12.0	.3	-	-	-	-	-	-
13092742	K1 COULEE NEAR TWIN FALLS	80-05-15	1400	11	659	8.4	14.0	26	9.1	101	K 300	37	1.1	99
		80-07-11	1030	19	778	8.2	14.0	11	9.0	94	340	23	1.2	94

Table 2.--Hydrologic and water-quality data, Rock Creek area--Continued

SITE NO.	NAME	DATE	TIME	Q	SC	pH	WT	TURB	DO	SAT	FC	SS	LOAD	%<
13092742	K1 COULEE NEAR TWIN FALLS	81-05-14	1520	14	660	8.3	13.0	33	8.8	96	400	53	2.0	90
		81-07-09	1000	22	756	8.3	15.0	21	8.2	92	380	56	3.3	90
13092747	ROCK CR ABOVE HWY 93 CROSSING AT TWIN FALLS	79-11-02	1315	129	815	8.4	11.0	-	10.2	105	600	22	7.7	90
		79-12-19	1345	84	819	8.5	8.5	44	10.9	111	400	21	4.8	91
		80-02-11	1630	57	773	8.5	8.5	6.2	10.4	104	K 100	28	4.3	84
		80-04-21	0930	218	322	8.1	11.0	150	8.8	93	K1500	776	457	99
		80-05-15	1315	227	495	7.8	13.0	52	8.7	95	4100	336	206	74
		80-06-26	1615	140	686	8.3	19.0	18	8.1	101	940	68	26	79
		80-07-10	1350	118	734	8.2	18.5	39	8.6	104	1400	65	21	91
		80-08-14	1515	160	772	8.3	18.0	81	8.2	100	540	269	116	95
		80-09-16	1630	205	783	8.3	15.5	8.6	8.7	99	390	70	39	74
		80-10-23	1545	144	800	8.1	11.0	.4	10.6	109	620	18	7	72
		80-12-10	0850	80	835	8.1	5.0	.7	10.7	95	2200	13	2.8	82
		81-02-03	1345	51	775	8.4	6.0	2.9	12.2	111	K 130	10	1.4	85
		81-04-09	1155	54	652	8.3	7.0	6.4	12.0	113	1100	18	2.6	92
		81-05-14	1430	91	678	8.2	12.0	26	9.6	102	770	65	16	86
		81-06-17	1105	137	692	8.4	12.0	10	9.4	99	1300	48	18	84
		81-07-09	0845	144	735	8.0	13.0	26	8.8	95	700	65	25	85
		81-08-19	1450	182	766	8.2	18.0	24	8.3	100	880	66	32	91
		81-10-01	1620	199	799	8.3	13.0	4.0	10.0	108	1100	36	19	73
13092752	ORCHALARA SEEPAGE TUNNEL	80-05-15	1700	3.5	1040	7.9	14.0	12	8.8	98	1000	-	-	-
		80-07-11	1345	6.2	1100	8.0	16.0	7.2	-	-	600	-	-	-
		81-05-15	0830	2.6	754	7.9	11.5	7.5	-	-	250	-	-	-
		81-07-10	0850	3.1	1150	8.1	16.0	9.9	-	-	370	-	-	-
13092754	DEADMAN GULCH AT TWIN FALLS	80-05-16	0850	29	662	8.1	11.0	38	9.6	99	4000	93	7.3	90
		80-07-11	1145	24	718	8.2	16.5	58	8.2	95	4000	163	11	98
		81-05-14	1645	16	742	8.2	12.0	18	9.5	101	760	30	1.3	97
		81-07-09	1345	26	743	8.3	19.0	58	7.8	96	1800	150	11	96
13092830	O 1 COULEE NEAR TWIN FALLS	80-05-16	1000	10	561	-	11.5	-	-	-	-	656	18	93
		80-07-11	1530	11	545	8.3	24.0	190	-	-	K5000	1110	34	98
		81-05-15	0945	7.8	545	8.4	9.0	46	9.3	86	880	241	5.1	96
		81-07-10	1000	5.4	562	8.4	19.0	260	7.6	93	5000	1370	20	95
13092835	L P 1 COULEE NEAR TWIN FALLS	80-05-16	1040	11	496	-	11.5	-	-	-	-	278	8.3	96
		81-05-15	1030	5.5	-	-	10.0	-	-	-	-	443	6.6	96
		81-07-10	1055	1.6	-	-	21.0	-	-	-	-	10700	46	96
13092850	L P COULEE NR TWIN FALLS	80-05-16	1220	5.7	649	8.5	12.5	44	10.4	111	460	297	4.6	97
		80-07-11	1005	7.6	620	8.3	15.5	130	8.6	98	1000	444	9.1	92
		81-05-15	1100	5.2	601	8.6	11.0	220	10.6	98	K1400	272	3.8	97
		81-07-10	1130	7.0	652	8.7	21.0	58	9.8	125	2400	269	5.1	89
13093040	L Q 2 COULEE NR TWIN FALLS	80-05-16	1130	4.2	483	-	11.5	-	-	-	-	913	10	92
		80-07-11	0850	6.1	487	8.3	15.5	310	8.4	95	1200	1260	21	96
		81-05-15	1145	2.6	-	-	12.0	-	-	-	-	365	2.6	96
		81-07-10	1135	8.1	515	8.5	21.0	260	7.3	92	K 300	1530	33	89

Table 2.--Hydrologic and water-quality data, Rock Creek area--Continued

SITE NO.	NAME	DATE	TIME	Q	SC	pH	WT	TURB	DO	SAT	FC	SS	LOAD	%<
13093095	ROCK CREEK NR MOUTH NR TWIN FALLS	79-11-01	0930	233	854	8.6	8.0	-	10.5	98	220	45	28	90
		79-11-07	1120	183	885	-	9.5	-	-	-	-	-	-	-
		79-12-19	0930	133	898	8.4	5.5	57	11.3	100	50	27	9.7	92
		80-01-26	0900	113	485	-	4.0	-	-	-	-	-	-	-
		80-02-10	1700	95	877	8.5	7.5	3.9	10.6	98	K 10	30	7.7	82
		80-03-28	1410	91	484	-	9.5	-	-	-	-	-	-	-
		80-04-21	1330	265	428	8.3	15.0	140	8.9	100	K1100	700	501	96
		80-05-14	1110	329	556	8.2	11.5	50	9.5	98	1800	287	255	93
		80-05-15	1640	339	534	8.3	14.0	63	9.2	101	1600	313	286	83
		80-05-16	1130	364	519	8.0	10.5	60	9.8	99	1200	357	351	83
		80-06-26	0840	241	684	8.5	15.0	54	8.8	98	2100	245	159	86
		80-07-09	1150	241	709	8.5	15.5	52	9.1	102	1200	127	83	90
		80-07-10	1700	227	747	8.6	19.5	54	8.3	101	1100	117	72	92
		80-07-11	1410	233	746	8.5	18.5	64	8.7	104	3800	144	91	94
		80-08-14	0920	270	749	8.5	15.0	3.9	8.8	99	840	315	230	91
		80-09-16	0930	319	771	8.6	12.5	20	9.3	98	540	106	91	79
		80-10-23	0900	229	793	8.5	7.0	.8	10.8	99	150	85	53	-
		80-12-09	0835	128	884	8.4	4.0	3.5	11.8	99	140	17	5.9	82
		81-01-19	1430	99	871	-	9.0	-	-	-	-	-	-	-
		81-02-04	0930	94	892	8.5	3.0	3.2	12.2	102	160	16	4.1	83
		81-03-26	1100	79	637	-	9.0	-	-	-	-	-	-	-
		81-04-09	0935	90	787	8.4	7.0	3.6	10.8	100	86	7	1.7	-
		81-05-13	1105	185	701	8.5	10.0	43	10.0	100	270	138	69	89
		81-05-14	0840	175	701	8.5	11.0	40	9.6	90	390	152	72	89
		81-05-15	0905	215	687	8.4	10.0	70	10.0	100	1200	261	152	84
		81-06-10	1050	233	684	-	15.0	-	-	-	-	-	-	-
		81-06-17	0915	228	687	8.4	11.5	38	9.7	99	760	109	67	86
		81-07-08	1100	217	725	8.4	12.0	52	9.7	100	680	118	69	91
		81-07-09	1535	214	743	8.4	19.5	42	8.4	101	520	104	60	96
		81-07-10	0930	215	748	8.6	15.5	58	8.7	98	800	167	97	94
		81-07-27	1200	273	691	-	17.0	-	-	-	-	-	-	-
		81-08-19	0920	260	770	8.4	16.0	60	8.7	99	640	220	154	90
		81-09-30	0910	302	805	8.6	10.0	10	10.3	101	440	47	38	72

Table 2.--Hydrologic and water-quality data, Rock Creek area--Continued

			TIME	Ca	Mg	Na	SAR	K	HCO3	CO3	SO4	Cl	F	Si
13088020	TWIN FALLS MAIN CANAL NR HANSEN	79-11-02	0900	26	9.0	14	0.6	2.5	170	38	59	31	0.6	11
		80-04-20	1255	-	-	-	-	-	150	31	-	-	-	-
		80-05-13	1620	42	18	25	.8	4.2	180	29	43	22	.5	10
		80-06-26	1045	-	-	-	-	-	140	22	-	-	-	-
		80-07-10	0820	45	14	17	.6	3.6	170	7	38	17	.8	9.0
		80-08-13	1615	-	-	-	-	-	170	22	-	-	-	-
		80-09-17	1045	-	-	-	-	-	160	12	-	-	-	-
		80-10-22	1530	43	16	47	2	5.2	200	12	43	22	.7	5.0
		81-05-12	1500	47	17	23	.7	4.1	190	14	45	24	.7	10
		81-06-16	1500	-	-	-	-	-	200	10	-	-	-	-
		81-07-07	1615	47	15	19	.6	3.3	180	7	46	19	.6	10
		81-08-20	0845	-	-	-	-	-	180	7	-	-	-	-
		81-09-30	1340	48	17	23	.8	4.2	190	10	43	23	.7	21
13092000	ROCK CREEK NEAR ROCK CREEK	79-11-01	1415	11	1.9	2.7	.2	1.2	230	0	5.9	2.9	.1	15
		79-12-18	1430	-	-	-	-	-	90	0	-	-	-	-
		80-02-11	1145	23	3.9	5.9	.3	2.9	95	0	3.1	3.3	.1	31
		80-04-22	0845	-	-	-	-	-	49	0	-	-	-	-
		80-05-14	1420	8.7	1.7	4.1	.3	2.8	41	0	2.0	1.7	.1	37
		80-06-26	1310	-	-	-	-	-	66	0	-	-	-	-
		80-07-09	1600	18	2.7	5.0	.3	3.5	85	0	3.3	2.6	.2	36
		80-08-14	1200	-	-	-	-	-	120	0	-	-	-	-
		80-09-17	1315	-	-	-	-	-	120	0	-	-	-	-
		80-10-23	1240	23	4.2	5.6	.3	3.3	110	0	5.4	3.6	.1	32
		80-12-10	1150	-	-	-	-	-	110	0	-	-	-	-
		81-02-03	1050	23	4.3	7.2	.4	3.1	100	0	6.5	3.0	.2	33
		81-04-08	1355	-	-	-	-	-	85	0	-	-	-	-
		81-05-13	1445	14	2.7	5.5	.4	3.1	68	0	2.2	2.2	.1	37
		81-06-16	1715	-	-	-	-	-	88	0	-	-	-	-
		81-07-08	1430	22	4.0	6.3	.3	3.3	100	0	1.0	2.8	.1	36
		81-08-19	1130	-	-	-	-	-	130	0	-	-	-	-
		81-09-30	1145	29	5.3	6.7	.3	3.9	130	0	< 5.0	2.7	.2	34
13092050	ROCK CREEK AT ROCK CREEK	80-05-14	0915	-	-	-	-	-	51	0	-	-	-	-
		80-07-09	1045	-	-	-	-	-	93	0	-	-	-	-
		81-05-13	0950	-	-	-	-	-	73	0	-	-	-	-
		81-07-08	0940	-	-	-	-	-	150	0	-	-	-	-
13092094	INFLOW ABOVE 3600 EAST RD NR ROCK CREEK	80-07-09	1515	-	-	-	-	-	320	0	-	-	-	-
		81-07-08	1410	-	-	-	-	-	260	12	-	-	-	-
13092095	ROCK CR AT 3600 EAST RD NR ROCK CREEK	80-05-14	1115	-	-	-	-	-	88	0	-	-	-	-
		80-07-09	1345	-	-	-	-	-	320	0	-	-	-	-
		81-05-13	1135	-	-	-	-	-	280	10	-	-	-	-
		81-07-08	1135	-	-	-	-	-	300	7	-	-	-	-
13092105	ROCK CREEK AT 3500 EAST RD NR ROCK CREEK	80-05-14	1330	-	-	-	-	-	110	0	-	-	-	-
		80-07-09	1610	-	-	-	-	-	340	0	-	-	-	-
		81-05-13	1350	-	-	-	-	-	280	1	-	-	-	-
		81-07-08	1530	-	-	-	-	-	260	10	-	-	-	-
13092400	COTTONWOOD CR NR ROCK CREEK	80-05-14	1500	-	-	-	-	-	-	-	-	-	-	-

Table 2.--Hydrologic and water-quality data, Rock Creek area--Continued

			TIME	Ca	Mg	Na	SAR	K	HCO3	CO3	SO4	Cl	F	Si
13092400	COTTONWOOD CR NR ROCK CREEK	81-05-13	1700	-	-	-	-	-	130	19	-	-	-	-
		81-07-09	1110	-	-	-	-	-	180	13	-	-	-	-
13092551	INFLOW TO COTTONWOOD CR BELOW MCMULLEN	81-05-13	1550	-	-	-	-	-	270	2	-	-	-	-
		81-07-09	0835	-	-	-	-	-	310	0	-	-	-	-
13092552	COTTONWOOD CREEK BELOW MCMULLEN CREEK	80-07-10	1115	-	-	-	-	-	320	0	-	-	-	-
		81-05-13	1515	-	-	-	-	-	250	10	-	-	-	-
		81-07-09	0940	-	-	-	-	-	280	0	-	-	-	-
13092620	ROCK CR BELOW COTTONWOOD CR NR ROCK CREEK	80-05-14	1600	-	-	-	-	-	140	0	-	-	-	-
		80-07-10	1430	-	-	-	-	-	320	12	-	-	-	-
		81-05-14	0845	-	-	-	-	-	320	2	-	-	-	-
		81-07-09	1415	-	-	-	-	-	240	19	-	-	-	-
13092703	INFLOW AB ROCK CR AT 3400 NORTH RD	80-07-10	1715	-	-	-	-	-	280	0	-	-	-	-
13092704	ROCK CR AT 3400 NORTH RD NR TWIN FALLS	80-05-14	1750	-	-	-	-	-	150	0	-	-	-	-
		80-07-10	1600	-	-	-	-	-	260	10	-	-	-	-
		81-05-14	1000	-	-	-	-	-	280	1	-	-	-	-
		81-07-09	1545	-	-	-	-	-	240	16	-	-	-	-
13092710	ROCK CREEK AT 12 MILE NR TWIN FALLS	79-11-01	1600	57	19	31	.9	3.4	290	17	0.5	30	0.5	31
		79-12-19	1530	-	-	-	-	-	160	26	-	-	-	-
		80-02-11	1435	80	21	43	1	6.4	250	12	99	25	.6	45
		80-05-15	0845	41	12	21	.7	5.1	170	0	42	15	.3	36
		80-06-26	1440	-	-	-	-	-	250	14	-	-	-	-
		80-07-10	1050	76	24	42	1	6.4	290	0	93	30	1.0	41
		80-08-14	1400	-	-	-	-	-	270	19	-	-	-	-
		80-09-17	0850	-	-	-	-	-	320	0	-	-	-	-
		80-10-23	1425	78	23	44	1	7.0	280	7	100	35	.7	45
		80-12-10	1035	-	-	-	-	-	370	0	-	-	-	-
		81-02-03	1535	71	19	39	1	5.6	260	5	94	26	.5	44
		81-04-08	1545	-	-	-	-	-	150	24	-	-	-	-
		81-05-14	1115	66	20	37	1	6.5	270	2	87	30	.7	28
		81-06-17	1330	-	-	-	-	-	250	14	-	-	-	-
		81-07-08	1620	68	22	40	1	5.3	360	17	100	30	.7	38
		81-08-19	1330	-	-	-	-	-	290	5	-	-	-	-
		81-09-30	1530	78	24	44	1	5.7	280	10	100	31	.8	44
13092713	H COULEE AT END HILLCREST RD	80-05-15	0900	-	-	-	-	-	-	-	-	-	-	-
		80-07-11	0830	-	-	-	-	-	310	5	-	-	-	-
		81-05-14	1340	-	-	-	-	-	360	4	-	-	-	-
		81-07-09	1730	-	-	-	-	-	240	5	-	-	-	-
13092735	THORP TUNNEL NEAR TWIN FALLS	80-05-15	1410	-	-	-	-	-	330	0	-	-	-	-
13092742	K 1 COULEE NEAR TWIN FALLS	80-05-15	1400	-	-	-	-	-	280	5	-	-	-	-
		80-07-11	1030	-	-	-	-	-	330	0	-	-	-	-

Table 2.--Hydrologic and water-quality data, Rock Creek area--Continued

			TIME	Ca	Mg	Na	SAR	K	HCO3	CO3	SO4	Cl	F	Si
13092742	K 1 COULEE NEAR TWIN FALLS	81-05-14	1520	-	-	-	-	-	270	0	-	-	-	-
		81-07-09	1000	-	-	-	-	-	320	0	-	-	-	-
13092747	ROCK CR ABOVE HWY 93 CROSSING AT TWIN FALLS	79-11-02	1315	34	13	25	0.9	2.4	310	10	120	41	0.6	22
		79-12-19	1345	-	-	-	-	-	220	14	-	-	-	-
		80-02-11	1630	80	31	57	1	6.2	270	19	110	40	.7	47
		80-04-21	0930	-	-	-	-	-	140	0	-	-	-	-
		80-05-15	1315	49	18	29	.9	5.7	210	0	54	21	.4	33
		80-06-26	1615	-	-	-	-	-	290	0	-	-	-	-
		80-07-10	1350	73	27	47	1	5.8	320	0	95	35	1.1	40
		80-08-14	1515	-	-	-	-	-	350	-	-	-	-	-
		80-09-16	1630	-	-	-	-	-	330	0	-	-	-	-
		80-10-23	1545	72	28	51	1	5.8	330	0	110	40	.8	44
		80-12-10	0850	-	-	-	-	-	350	0	-	-	-	-
		81-02-03	1345	83	30	56	1	5.4	300	5	120	41	.7	48
		81-04-09	1155	-	-	-	-	-	290	0	-	-	-	-
		81-05-14	1430	64	24	42	1	5.8	280	0	91	35	.8	29
		81-06-17	1105	-	-	-	-	-	280	2	-	-	-	-
		81-07-09	0845	72	28	43	1	5.1	310	0	110	35	.7	39
		81-08-19	1450	-	-	-	-	-	330	0	-	-	-	-
		81-10-01	1620	74	29	46	1	5.0	330	0	110	37	.8	45
13092752	ORCHALARA SEEPAGE TUNNEL	80-05-15	1700	-	-	-	-	-	300	0	-	-	-	-
		80-07-11	1345	-	-	-	-	-	340	0	-	-	-	-
		81-05-15	0830	-	-	-	-	-	220	0	-	-	-	-
		81-07-10	0850	-	-	-	-	-	340	0	-	-	-	-
13092754	DEADMAN GULCH AT TWIN FALLS	80-05-16	0850	-	-	-	-	-	270	0	-	-	-	-
		80-07-11	1145	-	-	-	-	-	340	0	-	-	-	-
		81-05-14	1645	-	-	-	-	-	330	0	-	-	-	-
		81-07-09	1345	-	-	-	-	-	330	0	-	-	-	-
13092830	O 1 COULEE NEAR TWIN FALLS	80-05-16	1000	-	-	-	-	-	-	-	-	-	-	-
		80-07-11	1530	-	-	-	-	-	340	0	-	-	-	-
		81-05-15	0945	-	-	-	-	-	280	24	-	-	-	-
		81-07-10	1000	-	-	-	-	-	300	-	-	-	-	-
13092835	L P 1 COULEE NEAR TWIN FALLS	80-05-16	1040	-	-	-	-	-	-	-	-	-	-	-
		81-05-15	1030	-	-	-	-	-	-	-	-	-	-	-
		81-07-10	1055	-	-	-	-	-	-	-	-	-	-	-
13092850	L P COULEE NR TWIN FALLS	80-05-16	1220	-	-	-	-	-	260	10	-	-	-	-
		80-07-11	1005	-	-	-	-	-	300	0	-	-	-	-
		81-05-15	1100	-	-	-	-	-	290	7	-	-	-	-
		81-07-10	1130	-	-	-	-	-	270	10	-	-	-	-
13093040	L Q 2 COULEE NR TWIN FALLS	80-05-16	1130	-	-	-	-	-	-	-	-	-	-	-
		80-07-11	0850	-	-	-	-	-	310	0	-	-	-	-
		81-05-15	1145	-	-	-	-	-	-	-	-	-	-	-
		81-07-10	1135	-	-	-	-	-	270	10	-	-	-	-

Table 2.--Hydrologic and water-quality data, Rock Creek area--Continued

		TIME	Ca	Mg	Na	SAR	K	HCO3	CO3	SO4	Cl	F	Si
13093095 ROCK CREEK NR MOUTH NR TWIN FALLS	79-11-01	0930	55	21	42	1	2.3	290	17	140	43	0.7	32
	79-11-07	1120	-	-	-	-	-	-	-	-	-	-	-
	79-12-19	0930	-	-	-	-	-	250	12	-	-	-	-
	80-01-26	0900	-	-	-	-	-	-	-	-	-	-	-
	80-02-10	1700	86	34	67	2	5.7	280	24	140	45	.8	43
	80-03-28	1410	-	-	-	-	-	-	-	-	-	-	-
	80-04-21	1330	-	-	-	-	-	210	0	-	-	-	-
	80-05-14	1110	-	-	-	-	-	240	0	-	-	-	-
	80-05-15	1640	53	20	34	1	5.5	240	0	65	25	.4	31
	80-05-16	1130	-	-	-	-	-	230	0	-	-	-	-
	80-06-26	0840	-	-	-	-	-	250	19	-	-	-	-
	80-07-09	1150	-	-	-	-	-	290	7	-	-	-	-
	80-07-10	1700	-	-	-	-	-	250	14	-	-	-	-
	80-07-11	1410	69	27	47	1	5.5	290	14	99	35	1.0	36
	80-08-14	0920	-	-	-	-	-	320	14	-	-	-	-
	80-09-16	0930	-	-	-	-	-	300	17	-	-	-	-
	80-10-23	0900	73	29	55	1	5.3	300	17	120	42	.8	42
	80-12-09	0835	-	-	-	-	-	300	22	-	-	-	-
	81-01-19	1430	-	-	-	-	-	-	-	-	-	-	-
	81-02-04	0930	84	34	68	2	4.7	300	19	160	46	.8	51
	81-03-26	1100	-	-	-	-	-	-	-	-	-	-	-
	81-04-09	0935	-	-	-	-	-	290	19	-	-	-	-
	81-05-13	1105	67	25	45	1	4.9	290	12	100	37	.8	30
	81-05-14	0840	-	-	-	-	-	280	7	-	-	-	-
	81-05-15	0905	-	-	-	-	-	290	7	-	-	-	-
	81-06-10	1050	-	-	-	-	-	-	-	-	-	-	-
	81-06-17	0915	-	-	-	-	-	270	7	-	-	-	-
	81-07-08	1100	71	27	48	1	4.7	310	2	110	34	.7	37
	81-07-09	1535	-	-	-	-	-	320	7	-	-	-	-
	81-07-10	0930	-	-	-	-	-	280	14	-	-	-	-
	81-07-27	1200	-	-	-	-	-	-	-	-	-	-	-
	81-08-19	0920	-	-	-	-	-	330	7	-	-	-	-
	81-09-30	0910	76	31	53	1	4.7	300	14	110	37	.8	45

Table 2.--Hydrologic and water-quality data, Rock Creek area--Continued

SITE NO.	NAME	DATE	TIME	NO3	NO2	NH4	+ORG	P	ORTHO	As	B	Cr	Cu	Fe	Pb	Mn	Hg	Zn
13088020	TWIN FALLS MAIN CANAL NR HANSEN	79-11-02	0900	0.40	0.02	0.04	1.0	0.13	< 0.01	-	-	-	-	-	-	-	-	-
		80-04-20	1255	< .01	< .01	< .01	.91	.17	.01	-	-	-	-	-	-	-	-	-
		80-05-13	1620	.02	.01	.04	.48	.03	< .01	3	90	1	10	560	5	50	<0.1	20
		80-06-26	1045	< .01	.01	.05	2.2	.17	.01	-	-	-	-	-	-	-	-	-
		80-07-10	0820	.06	.02	.09	1.2	.11	.01	5	90	7	24	410	7	30	< .1	20
		80-08-13	1615	< .01	< .01	< .01	.44	.09	< .01	-	-	-	-	-	-	-	-	-
		80-09-17	1045	1.9	.01	.01	.45	.25	< .01	-	-	-	-	-	-	-	-	-
		80-10-22	1530	.22	< .01	.19	1.0	.06	.02	-	-	-	-	-	-	-	-	-
		81-05-12	1500	.01	< .01	.09	.42	.12	.02	5	240	13	41	700	12	50	.1	10
		81-06-16	1500	.01	< .01	.08	.80	.05	.01	-	-	-	-	-	-	-	-	-
		81-07-07	1615	.10	.02	.13	.92	.08	.05	5	210	17	140	550	15	40	.2	30
		81-08-20	0845	.10	.03	.14	.97	.09	.05	-	-	-	-	-	-	-	-	-
		81-09-30	1340	.22	.03	.17	.67	.11	.07	-	-	-	-	-	-	-	-	-
13092000	ROCK CREEK NEAR ROCK CREEK	79-11-01	1415	< .02	.04	< .01	.28	.02	< .01	-	-	-	-	-	-	-	-	-
		79-12-18	1430	.16	.02	.04	2.1	.03	.01	-	-	-	-	-	-	-	-	-
		80-02-11	1145	.28	< .01	.01	.20	.03	.01	-	-	-	-	-	-	-	-	-
		80-04-22	0845	.57	< .01	.04	1.3	.19	.04	-	-	-	-	-	-	-	-	-
		80-05-14	1420	.37	.01	.06	.42	.04	.01	1	40	4	2	920	4	30	< .1	20
		80-06-26	1310	.15	.01	.03	.92	.11	< .03	-	-	-	-	-	-	-	-	-
		80-07-09	1600	.32	.01	.01	.54	.04	.01	3	30	5	3	250	4	10	< .1	10
		80-08-14	1200	3.6	.01	.03	.35	.05	.03	-	-	-	-	-	-	-	-	-
		80-09-17	1315	1.2	.01	< .01	.74	.11	.02	-	-	-	-	-	-	-	-	-
		80-10-23	1240	.02	< .01	.02	.25	.03	.02	-	-	-	-	-	-	-	-	-
		80-12-10	1150	.13	.01	.06	.44	.03	.01	-	-	-	-	-	-	-	-	-
		81-02-03	1050	< .01	.01	.07	.58	.03	.02	-	-	-	-	-	-	-	-	-
		81-04-08	1355	.18	.02	.08	.44	.06	.02	-	-	-	-	-	-	-	-	-
		81-05-13	1445	.20	< .01	.10	.80	.08	< .05	1	320	4	6	640	9	20	1.2	10
		81-06-16	1715	.08	.01	.11	.79	.03	.02	-	-	-	-	-	-	-	-	-
		81-07-08	1430	.08	.02	.12	.54	.05	< .05	2	170	4	5	160	7	10	.2	10
		81-08-19	1130	.18	.03	.14	.55	.03	.02	-	-	-	-	-	-	-	-	-
		81-09-30	1145	.10	.02	.15	.25	.03	< .03	-	-	-	-	-	-	-	-	-
13092050	ROCK CREEK AT ROCK CREEK	80-05-14	0915	.37	.01	.03	.61	.09	.03	-	-	-	-	-	-	-	-	-
		80-07-09	1045	.04	< .01	< .01	.54	.05	.01	-	-	-	-	-	-	-	-	-
		81-05-13	0950	.34	.02	.15	.57	.08	< .02	-	-	-	-	-	-	-	-	-
		81-07-08	0940	.58	.04	.24	1.0	.22	.08	-	-	-	-	-	-	-	-	-
13092094	INFLOW ABOVE 3600 EAST RD NR ROCK CREEK	80-07-09	1515	.48	< .01	.12	1.8	.15	.05	-	-	-	-	-	-	-	-	-
		81-07-08	1410	.57	.02	.14	1.1	.10	< .07	-	-	-	-	-	-	-	-	-
13092095	ROCK CR AT 3600 EAST RD NR ROCK CREEK	80-05-14	1115	.52	.01	.04	2.0	.13	.05	-	-	-	-	-	-	-	-	-
		80-07-09	1345	.41	< .01	.06	.84	.11	.04	-	-	-	-	-	-	-	-	-
		81-05-13	1135	.87	.02	.14	1.1	.08	.02	-	-	-	-	-	-	-	-	-
		81-07-08	1135	.50	.02	.17	.90	.07	.06	-	-	-	-	-	-	-	-	-
13092105	ROCK CREEK AT 3500 EAST RD NR ROCK CREEK	80-05-14	1330	.49	.01	.06	.76	.13	.06	-	-	-	-	-	-	-	-	-
		80-07-09	1610	.84	.01	.11	1.0	.22	.04	-	-	-	-	-	-	-	-	-
		81-05-13	1350	.73	.02	.12	.93	.07	.03	-	-	-	-	-	-	-	-	-
		81-07-08	1530	.70	.03	.18	1.2	.10	.07	-	-	-	-	-	-	-	-	-
13092400	COTTONWOOD CR NR ROCK CREEK	80-05-14	1500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 2.--Hydrologic and water-quality data, Rock Creek area--Continued

SITE NO.	NAME	DATE	TIME	NO3	NO2	NH4	+ORG	P	ORTHO	As	B	Cr	Cu	Fe	Pb	Mn	Hg	Zn
13092400	COTTONWOOD CR NR ROCK CREEK	81-05-13	1700	<0.01	0.01	0.11	0.81	0.07	0.02	-	-	-	-	-	-	-	-	-
		81-07-09	1110	.10	.02	.11	.76	.07	.04	-	-	-	-	-	-	-	-	-
13092551	INFLOW TO COTTONWOOD CR BELOW MCMULLEN	81-05-13	1550	.41	.02	.14	1.3	.25	.05	-	-	-	-	-	-	-	-	-
		81-07-09	0835	.88	.02	.13	.74	.08	< .08	-	-	-	-	-	-	-	-	-
13092552	COTTONWOOD CREEK BELOW MCMULLEN CREEK	80-07-10	1115	.58	.02	< .01	1.8	.14	.06	-	-	-	-	-	-	-	-	-
		81-05-13	1515	.29	.02	.12	1.3	.17	.06	-	-	-	-	-	-	-	-	-
		81-07-09	0940	.51	.02	.13	.78	.07	< .06	-	-	-	-	-	-	-	-	-
13092620	ROCK CR BELOW COTTONWOOD CR NR ROCK CREEK	80-05-14	1600	.54	.01	.06	.92	.16	.06	-	-	-	-	-	-	-	-	-
		80-07-10	1430	.52	< .01	.05	.98	.11	.06	-	-	-	-	-	-	-	-	-
		81-05-14	0845	.48	.02	.13	.79	.15	.05	-	-	-	-	-	-	-	-	-
		81-07-09	1415	.39	.02	.17	1.0	.08	< .06	-	-	-	-	-	-	-	-	-
13092703	INFLOW AB ROCK CR AT 3400 NORTH RD	80-07-10	1715	1.5	< .01	< .01	1.1	.06	< .01	-	-	-	-	-	-	-	-	-
13092704	ROCK CR AT 3400 NORTH RD NR TWIN FALLS	80-05-14	1750	.48	.01	.07	.81	.16	.06	-	-	-	-	-	-	-	-	-
		80-07-10	1600	.81	.03	.05	1.3	.12	< .07	-	-	-	-	-	-	-	-	-
		81-05-14	1000	.42	.02	.12	.79	.14	.04	-	-	-	-	-	-	-	-	-
		81-07-09	1545	.56	.02	.11	.90	.07	< .05	-	-	-	-	-	-	-	-	-
13092710	ROCK CREEK AT 12 MILE NR TWIN FALLS	79-11-01	1600	.87	.02	.06	.64	.06	< .02	-	-	-	-	-	-	-	-	-
		79-12-19	1530	1.4	.05	.04	1.1	.06	< .01	-	-	-	-	-	-	-	-	-
		80-02-11	1435	1.6	.03	.16	.67	.14	.04	-	-	-	-	-	-	-	-	-
		80-05-15	0845	.58	.01	.08	.78	.09	< .08	5	90	3	6	2700	6	100	<0.1	30
		80-06-26	1440	.64	.02	.05	.83	.17	.10	-	-	-	-	-	-	-	-	-
		80-07-10	1050	1.4	.05	.05	.87	.13	.01	10	180	8	7	840	18	60	.1	40
		80-08-14	1400	1.3	.01	< .01	.59	.08	.02	-	-	-	-	-	-	-	-	-
		80-09-17	0850	.16	.04	.34	3.10	.15	.03	-	-	-	-	-	-	-	-	-
		80-10-23	1425	1.3	< .01	.24	.60	.08	.07	-	-	-	-	-	-	-	-	-
		80-12-10	1035	1.7	.01	.08	1.1	.06	.03	-	-	-	-	-	-	-	-	-
		81-02-03	1535	1.3	.01	.10	.85	.08	.05	-	-	-	-	-	-	-	-	-
		81-04-08	1545	.56	.02	.06	1.7	.12	.04	-	-	-	-	-	-	-	-	-
		81-05-14	1115	.53	< .01	.09	1.2	.16	.05	6	230	2	5	1200	7	60	.1	10
		81-06-17	1330	.61	.01	.08	1.1	.06	< .01	-	-	-	-	-	-	-	-	-
		81-07-08	1620	.75	.02	.18	.99	.14	.07	11	-	-	-	-	-	-	.1	-
		81-08-19	1330	.79	.03	.11	.99	.11	.04	-	-	-	-	-	-	-	-	-
		81-09-30	1530	.88	.03	.14	.79	.05	< .01	-	-	-	-	-	-	-	-	-
13092713	H COULEE AT END HILLCREST RD	80-05-15	0900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-07-11	0830	.21	.01	.01	.67	.88	< .01	-	-	-	-	-	-	-	-	-
		81-05-14	1340	.15	.04	.16	1.9	.66	.10	-	-	-	-	-	-	-	-	-
		81-07-09	1730	.11	.04	.20	1.8	.49	.16	-	-	-	-	-	-	-	-	-
13092735	THORP TUNNEL NEAR TWIN FALLS	80-05-15	1410	3.4	.01	.03	.71	.03	.03	-	-	-	-	-	-	-	-	-
13092742	K 1 COULEE NEAR TWIN FALLS	80-05-15	1400	1.4	.03	.11	.98	.20	.08	-	-	-	-	-	-	-	-	-
		80-07-11	1030	2.1	.02	.08	.72	.12	.04	-	-	-	-	-	-	-	-	-

Table 2.--Hydrologic and water-quality data, Rock Creek area--Continued

SITE NO.	NAME	DATE	TIME	NO3	NO2	NH4	+ORG	P	ORTHO	As	B	Cr	Cu	Fe	Pb	Mn	Hg	Zn
13092742	K 1 COULEE NEAR TWIN FALLS	81-05-14	1520	1.4	0.04	0.17	1.3	0.21	0.06	-	-	-	-	-	-	-	-	-
		81-07-09	1000	2.0	.03	.16	.94	.16	.08	-	-	-	-	-	-	-	-	-
13092747	ROCK CR ABOVE HWY 93 CROSSING AT TWIN FALLS	79-11-02	1315	2.7	.04	.20	.72	.07	< .01	-	-	-	-	-	-	-	-	-
		79-12-19	1345	1.5	.05	.14	1.5	.05	< .01	-	-	-	-	-	-	-	-	-
		80-02-11	1630	2.4	.05	.29	1.4	.13	.06	-	-	-	-	-	-	-	-	-
		80-04-21	0930	.96	.04	.09	2.7	.56	.05	-	-	-	-	-	-	-	-	-
		80-05-15	1315	.65	.01	.17	1.3	.30	.08	5	120	< 1	42	3800	13	150	<0.1	50
		80-06-26	1615	1.3	.03	.09	.77	.11	.08	-	-	-	-	-	-	-	-	-
		80-07-10	1350	1.8	.06	.05	1.0	.17	-	11	200	6	6	1800	5	80	2.0	50
		80-08-14	1515	2.2	.05	.06	1.5	.36	.04	-	-	-	-	-	-	-	-	-
		80-09-16	1630	2.3	.02	.05	.63	.03	< .02	-	-	-	-	-	-	-	-	-
		80-10-23	1545	2.3	.02	.07	1.4	.09	.04	-	-	-	-	-	-	-	-	-
		80-12-10	0850	2.8	.04	.58	1.5	.08	.06	-	-	-	-	-	-	-	-	-
		81-02-03	1345	2.2	.04	.24	1.0	.10	.06	-	-	-	-	-	-	-	-	-
		81-04-09	1155	1.6	.04	.13	1.1	.07	.04	-	-	-	-	-	-	-	-	-
		81-05-14	1430	.90	< .01	.13	1.6	.20	< .03	9	370	5	7	1500	8	70	.1	20
		81-06-17	1105	1.2	.02	.11	.93	.10	.01	-	-	-	-	-	-	-	-	-
		81-07-09	0845	1.6	.04	.16	1.1	.16	.08	13	260	7	6	1500	6	80	.2	20
		81-08-19	1450	1.6	.04	.21	1.1	.11	.06	-	-	-	-	-	-	-	-	-
		81-10-01	1620	1.7	.04	.18	.80	.07	< .01	-	-	-	-	-	-	-	-	-
13092752	ORCHALARA SEEPAGE TUNNEL	80-05-15	1700	2.8	.01	.01	1.9	.08	.03	-	-	-	-	-	-	-	-	-
		80-07-11	1345	2.9	< .01	< .01	1.2	.08	< .01	-	-	-	-	-	-	-	-	-
		81-05-15	0830	2.1	.03	.33	1.4	.21	.07	-	-	-	-	-	-	-	-	-
		81-07-10	0850	3.5	.01	.19	1.2	.05	< .05	-	-	-	-	-	-	-	-	-
13092754	DEADMAN GULCH AT TWIN FALLS	80-05-16	0850	1.2	.02	.11	1.6	.30	.12	-	-	-	-	-	-	-	-	-
		80-07-11	1145	1.8	.01	.02	1.4	.40	.04	-	-	-	-	-	-	-	-	-
		81-05-14	1645	1.9	.02	.13	1.1	.16	.05	-	-	-	-	-	-	-	-	-
		81-07-09	1345	2.0	.04	.25	1.6	.24	.07	-	-	-	-	-	-	-	-	-
13092830	O 1 COULEE NEAR TWIN FALLS	80-05-16	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-07-11	1530	.78	.02	.15	2.6	1.4	.06	-	-	-	-	-	-	-	-	-
		81-05-15	0945	.74	.02	.14	1.5	.44	.04	-	-	-	-	-	-	-	-	-
		81-07-10	1000	.91	.05	.29	1.8	.33	.14	-	-	-	-	-	-	-	-	-
13092835	L P 1 COULEE NEAR TWIN FALLS	80-05-16	1040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		81-05-15	1030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		81-07-10	1055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13092850	L P COULEE NR TWIN FALLS	80-05-16	1220	.90	.01	.06	1.2	.32	.04	-	-	-	-	-	-	-	-	-
		80-07-11	1005	1.1	.01	.04	1.1	.48	.01	-	-	-	-	-	-	-	-	-
		81-05-15	1100	1.1	.03	.15	4.2	.53	.05	-	-	-	-	-	-	-	-	-
		81-07-10	1130	1.1	.03	.17	1.1	.28	.07	-	-	-	-	-	-	-	-	-
13093040	L Q 2 COULEE NR TWIN FALLS	80-05-16	1130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-07-11	0850	.64	.01	.05	2.0	1.5	.06	-	-	-	-	-	-	-	-	-
		81-05-15	1145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		81-07-10	1135	.60	.04	.19	1.7	.65	.14	-	-	-	-	-	-	-	-	-

Table 2.--Hydrologic and water-quality data, Rock Creek area--Continued

SITE NO.	NAME	DATE	TIME	NO3	NO2	NH4	+ORG	P	ORTHO	As	B	Cr	Cu	Fe	Pb	Mn	Hg	Zn
13093095	ROCK CREEK NR MOUTH NR TWIN FALLS	79-11-01	0930	2.6	<0.01	0.05	0.75	0.07	<0.01	-	-	-	-	-	-	-	-	-
		79-11-07	1120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		79-12-19	0930	2.2	.05	.10	2.4	.05	< .01	-	-	-	-	-	-	-	-	-
		80-01-26	0900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-02-10	1700	3.1	.07	.12	.76	.10	.02	-	-	-	-	-	-	-	-	-
		80-03-28	1410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		80-04-21	1330	1.4	.04	.10	2.6	.81	.23	-	-	-	-	-	-	-	-	-
		80-05-14	1110	1.1	.03	.06	1.7	.31	.08	-	-	-	-	-	-	-	-	-
		80-05-15	1640	.79	.01	.15	.79	.36	.08	7	150	< 1	36	4700	20	170	0.1	50
		80-05-16	1130	.83	.01	.08	.64	.08	< .07	-	-	-	-	-	-	-	-	-
		80-06-26	0840	1.4	.03	.06	.96	.17	.08	-	-	-	-	-	-	-	-	-
		80-07-09	1150	2.4	.06	.01	1.1	.25	.06	-	-	-	-	-	-	-	-	-
		80-07-10	1700	2.1	.10	.03	1.1	.25	.03	-	-	-	-	-	-	-	-	-
		80-07-11	1410	1.8	.05	.09	1.2	.29	.04	11	170	5	8	3500	10	150	1.4	40
		80-08-14	0920	2.6	.04	.11	.82	.14	.09	-	-	-	-	-	-	-	-	-
		80-09-16	0930	2.9	.02	.03	1.3	.13	.03	-	-	-	-	-	-	-	-	-
		80-10-23	0900	2.4	.02	.04	1.0	.09	.04	-	-	-	-	-	-	-	-	-
		80-12-09	0835	3.2	.06	.28	1.1	.06	.04	-	-	-	-	-	-	-	-	-
		81-01-19	1430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		81-02-04	0930	2.8	.03	.12	.78	.08	.05	-	-	-	-	-	-	-	-	-
		81-03-26	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		81-04-09	0935	2.3	.03	.09	1.5	.08	.03	-	-	-	-	-	-	-	-	-
		81-05-13	1105	1.4	< .01	.12	1.7	.21	.04	10	260	9	9	3200	8	120	1.2	10
		81-05-14	0840	1.5	.03	.14	1.5	.28	.05	-	-	-	-	-	-	-	-	-
		81-05-15	0905	1.3	.03	.14	1.6	.39	.04	-	-	-	-	-	-	-	-	-
		81-06-10	1050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		81-06-17	0915	1.3	.02	.13	1.1	.17	.02	-	-	-	-	-	-	-	-	-
		81-07-06	1100	1.8	.04	.13	1.3	.24	.09	14	260	9	18	3100	10	120	.2	70
		81-07-09	1535	1.7	.04	.14	1.0	.34	.19	-	-	-	-	-	-	-	-	-
		81-07-10	0930	1.8	.04	.18	1.2	.23	.09	-	-	-	-	-	-	-	-	-
		81-07-27	1200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		81-08-19	0920	1.7	.04	.17	1.4	.25	.05	-	-	-	-	-	-	-	-	-
		81-09-30	0910	1.8	.03	.17	.73	.08	< .05	-	-	-	-	-	-	-	-	-

Table 3.--Hydrologic and water-quality data, Cedar Draw area

SITE NO.	NAME	DATE	TIME	Q	SC	pH	WT	TURB	DO	SAT	FC	SS	LOAD	%<
13093475	CEDAR DRAW BL LOW LINE CANAL NR FILER	79-11-09	0900	0.2	579	9.3	4.0	-	8.3	73	32	-	-	-
		80-04-22	1130	50	392	8.4	12.5	46	9.6	102	42	150	20	97
		80-05-12	1315	131	440	9.1	12.0	25	9.2	99	290	84	30	94
		80-06-27	0915	1.1	412	8.3	13.5	4.6	8.6	93	295	13	.04	88
		80-07-08	1300	1.0	411	8.6	20.5	5.1	9.0	114	1000	5	.01	88
		80-08-15	0830	.1	593	7.8	17.5	90	5.6	67	600	8	< .01	87
		80-09-16	1500	64	405	8.8	16.5	12	8.4	99	K 200	21	3.6	92
		80-10-24	1005	122	450	8.1	5.0	1.0	11.2	100	51	7	2.3	83
		81-04-07	1520	1.5	555	8.4	8.0	31	10.8	120	120	38	.15	94
		81-05-11	0915	43	457	8.6	8.0	27	10.2	99	96	67	7.8	92
		81-06-15	1515	127	433	8.7	14.5	23	8.6	96	220	85	29	85
		81-07-07	1345	.8	441	8.5	17.0	5.9	9.3	111	2800	6	.01	-
		81-08-20	1115	2.5	483	8.5	21.0	5.4	8.4	120	4000	7	.05	92
		81-10-01	1020	97	475	8.5	11.0	8.1	9.7	100	280	13	3.4	88
13093478	CEDAR DRAW AT CLOVER ROAD NEAR FILER	80-07-08	1540	5.5	524	8.5	24.0	20	9.9	136	660	23	.34	99
		81-05-11	1445	23	501	8.6	12.0	12	10.8	90	280	17	1.1	95
		81-07-06	1330	5.4	521	8.9	23.0	1.7	13.6	181	300	3	.04	73
13093481	UNNAMED DRAIN AT REST AREA NR FILER	80-07-08	1410	4.4	481	8.3	21.5	360	7.6	99	840	1050	12	99
		81-05-11	1130	3.1	460	8.6	11.0	170	9.5	99	140	403	3.4	96
		81-07-06	1435	1.9	445	8.8	26.0	37	6.9	97	640	91	.47	96
13093484	UNNAMED DRAIN NW SEC 7 NR FILER	80-07-08	1250	1.1	544	8.5	20.0	24	7.2	83	-	27	.08	93
13093488	HYPOTHEEK SEEPAGE TUNNEL NR FILER	80-05-12	1700	2.3	983	7.8	12.5	.9	4.6	49	940	-	-	-
		80-07-08	1910	4.0	993	7.5	13.0	1.6	-	-	540	-	-	-
		81-05-12	1320	2.3	1044	7.6	12.5	1.0	-	-	K3200	-	-	-
		81-07-06	1545	5.0	982	7.5	13.0	.5	6.8	74	120	-	-	-
13093492	VINING SEEPAGE TUNNEL NR FILER	80-07-08	1800	.5	1017	7.6	12.0	.4	-	-	< 1	-	-	-
		81-07-06	1705	.3	983	7.6	12.0	.3	-	-	< 1	-	-	-
13093493	UNNAMED DRAIN NE SEC 1 NR FILER	80-07-08	1650	1.6	881	8.3	21.0	940	7.9	73	-	5160	22	93
		81-07-07	1030	1.2	810	8.5	14.0	60	-	-	-	313	1.0	96
13093494	CEDAR DRAW AT OLD HWY 30 NR FILER	80-07-08	1530	33	733	8.4	19.0	110	9.6	89	1100	285	26	97
		81-05-11	1615	40	563	8.9	14.0	15	10.6	98	K 970	30	3.2	95
		81-07-07	0915	27	714	8.2	14.0	5.7	9.0	100	500	21	1.5	88
13093495	INFLOW TO CEDAR DRAW BELOW OLD HWY 30	81-05-11	1730	4.0	794	8.6	15.0	78	8.6	80	-	637	6.9	83
13093496	UNNAMED DRAIN IN SW SEC 36 SITE 48	80-07-08	1400	1.4	733	8.5	20.5	190	8.9	83	-	1410	5.3	91
13093497	E COULEE AT MOUTH NR FILER	80-05-13	0830	21	668	8.4	11.0	37	9.6	99	K 660	109	6.2	97
		80-07-08	1040	23	765	8.3	16.0	28	9.7	90	640	74	4.7	97
		81-05-12	0845	16	671	8.4	7.0	170	9.8	92	270	480	21	92
		81-07-07	1115	13	751	8.4	14.0	32	9.1	100	2000	78	2.7	92
13093499	INFLOW AT CEDAR DRAW NR FILER	80-07-07	1440	1.6	732	8.5	21.0	200	-	-	-	2440	10	90
		81-07-06	1535	1.5	-	-	-	-	-	-	-	1140	4.6	71

Table 3.--Hydrologic and water-quality data, Cedar Draw area--Continued

SITE NO.	NAME	DATE	TIME	Q	SC	pH	WT	TURB	DO	SAT	FC	SS	LOAD	%<
13093500	CEDAR DRAW NEAR FILER	79-11-08	1525	50	974	8.6	11.5	-	10.0	105	70	12	1.6	90
		79-12-20	1015	39	840	8.5	9.5	2.5	12.2	124	68	8	.84	91
		80-02-12	0945	30	993	8.3	7.0	4.3	10.9	105	200	23	1.9	81
		80-04-22	1430	73	576	8.4	15.5	44	9.2	106	520	96	19	97
		80-05-12	0835	192	516	8.5	10.5	46	9.2	94	780	236	122	89
		80-05-12	1520	185	535	8.4	15.0	40	8.8	100	590	205	102	93
		80-05-13	0915	226	506	8.4	11.5	37	9.2	96	6000	280	171	86
		80-06-27	1045	65	665	8.5	13.0	19	11.0	116	1400	43	7.5	99
		80-07-07	1315	63	733	8.3	21.0	40	9.1	115	<1300	89	15	91
		80-07-08	0800	64	716	8.2	15.0	13	9.2	103	1400	93	16	96
		80-08-15	0930	69	787	8.2	15.0	60	8.4	95	1200	120	22	98
		80-09-15	1415	234	560	8.5	17.0	37	8.4	99	440	165	104	97
		80-10-24	1130	182	592	8.2	7.0	.2	11.2	107	K 70	27	13	86
		80-12-08	1400	41	1239	8.5	8.0	1.4	12.2	116	61	17	1.9	67
		81-02-02	1430	30	950	8.8	9.0	6.1	12.0	117	-	20	1.6	97
		81-04-08	0850	24	960	8.3	5.5	1.5	15.9	143	56	3	.19	-
		81-05-11	1115	53	579	8.6	9.5	23	11.1	111	260	57	8.2	97
		81-05-12	1720	45	623	8.9	15.5	30	10.0	114	390	44	5.3	96
		81-06-16	0915	257	514	8.4	13.0	52	9.0	98	790	245	170	87
		81-07-06	1530	32	716	8.9	25.0	10	12.6	173	540	11	.95	95
		81-07-07	1020	36	778	8.4	14.0	1.1	10.0	110	960	15	1.5	86
		81-08-20	1330	53	810	8.4	20.0	64	9.1	101	1200	210	30	96
		81-10-01	1145	183	646	8.4	11.5	18	10.0	104	280	78	39	88
13093510	L F COULEE NR MOUTH NR FILER	80-05-12	1645	23	623	8.4	17.0	70	7.1	84	600	233	14	95
		80-07-08	0845	24	628	8.3	16.0	84	9.2	95	4000	226	15	97
		81-05-12	1015	28	623	8.4	10.0	230	9.9	99	1100	750	57	94
		81-07-07	1350	23	647	8.3	17.0	96	8.4	99	1800	143	8.9	96
13093520	I 10 COULEE NR FILER	80-07-08	1800	2.6	443	8.4	23.0	48	7.6	100	1100	230	1.6	96
		81-05-12	1100	6.4	478	8.5	9.5	150	10.1	100	290	432	7.5	93
		81-07-07	1515	1.6	422	9.0	20.0	64	8.3	110	1900	156	.67	95
13093530	CEDAR DRAW ABOVE MOUTH NEAR FILER	79-11-09	1045	70	867	8.6	7.5	-	10.6	99	54	-	-	-
		79-12-20	1415	55	874	8.8	9.0	42	10.5	102	50	5	1.2	82
		80-02-12	1145	37	936	8.6	5.5	2.7	11.4	101	44	16	1.6	67
		80-04-22	1545	96	512	8.2	16.0	52	8.9	102	470	137	35	97
		80-05-12	1025	284	504	8.3	11.5	57	9.8	102	600	-	-	-
		80-05-12	1700	277	556	8.6	15.5	48	8.3	93	490	255	191	92
		80-05-13	1335	318	536	8.4	15.0	56	8.7	97	1200	297	255	91
		80-06-27	1200	99	664	8.6	13.5	18	9.8	104	660	48	13	90
		80-07-07	1400	83	722	8.5	17.0	48	8.7	101	1100	72	16	98
		80-07-08	1000	92	686	8.6	16.0	56	9.7	109	1300	92	23	98
		80-08-15	1040	101	763	8.6	15.0	74	8.8	99	1000	257	70	93
		80-09-15	1600	280	597	8.6	17.0	41	9.9	103	330	270	204	71
		80-10-24	1415	262	626	8.6	9.0	1.0	10.8	104	100	39	28	93
		80-12-08	1600	58	918	8.6	5.5	1.3	11.1	99	460	8	1.3	92
		81-02-02	1600	43	975	8.8	5.0	2.9	11.7	102	-	12	1.4	92
		81-04-08	1115	30	956	8.6	6.0	1.6	14.0	126	K 4	2	.16	-

Table 3.--Hydrologic and water-quality data, Cedar Draw area--Continued

SITE NO.	NAME	DATE	TIME	Q	SC	pH	WT	TURB	DO	SAT	FC	SS	LOAD	%<
13093530	CEDAR DRAW ABOVE MOUTH NEAR FILER	81-05-11	1630	88	602	8.7	13.0	68	9.4	101	250	152	36	98
		81-05-12	0930	98	637	8.4	8.5	60	-	-	250	137	36	97
		81-06-16	1120	301	534	8.4	14.0	57	9.4	102	K1100	242	197	89
		81-07-06	1330	81	694	8.7	20.0	10	9.3	116	570	24	5.2	87
		81-07-07	0920	87	711	8.7	14.0	26	9.0	98	3200	42	9.9	94
		81-08-20	1525	66	811	8.6	20.0	75	7.8	96	420	186	33	97
		81-10-01	1430	245	657	8.6	13.0	14	9.6	102	240	93	62	91

Table 3.--Hydrologic and water-quality data, Cedar Draw area--Continued

			TIME	Ca	Mg	Na	SAR	K	HCO3	CO3	SO4	Cl	F	Si
13093475	CEDAR DRAW BL LOW LINE CANAL NR FILER	79-11-09	0900	62	27	37	1	6.0	310	0	66	32	0.7	23
		80-04-22	1130	-	-	-	-	-	180	19	-	-	-	-
		80-05-12	1315	46	17	24	.8	4.3	190	24	49	19	.5	9.2
		80-06-27	0915	-	-	-	-	-	190	0	-	-	-	-
		80-07-08	1300	47	15	19	.6	4.0	170	12	43	24	.5	11
		80-08-15	0830	-	-	-	-	-	300	0	-	-	-	-
		80-09-16	1500	-	-	-	-	-	150	14	-	-	-	-
		80-10-24	1005	43	16	23	.8	4.9	200	0	44	23	.6	3.7
		81-04-07	1520	-	-	-	-	-	200	5	-	-	-	-
		81-05-11	0915	47	17	25	.8	4.2	150	29	45	24	.8	9.4
		81-06-15	1515	-	-	-	-	-	220	10	-	-	-	-
		81-07-07	1345	49	16	22	.7	3.8	190	5	550	19	.6	13
		81-08-20	1115	-	-	-	-	-	220	5	-	-	-	-
		81-10-01	1020	49	17	23	.8	4.1	200	7	48	22	.7	21
13093479	CEDAR DRAW AT CLOVER ROAD NEAR FILER	80-07-08	1540	-	-	-	-	-	320	7	-	-	-	-
		81-05-11	1445	-	-	-	-	-	250	11	-	-	-	-
		81-07-06	1330	-	-	-	-	-	210	22	-	-	-	-
13093481	UNNAMED DRAIN AT REST AREA NR FILER	80-07-08	1410	-	-	-	-	-	380	0	-	-	-	-
		81-05-11	1130	-	-	-	-	-	280	7	-	-	-	-
		81-07-06	1435	-	-	-	-	-	180	7	-	-	-	-
13093484	UNNAMED DRAIN NW SEC 7 NR FILER	80-07-08	1250	-	-	-	-	-	220	7	-	-	-	-
13093488	HYPOTHEEK SEEPAGE TUNNEL NR FILER	80-05-12	1700	-	-	-	-	-	400	0	-	-	-	-
		80-07-08	1910	-	-	-	-	-	370	0	-	-	-	-
		81-05-12	1320	-	-	-	-	-	420	0	-	-	-	-
		81-07-06	1545	-	-	-	-	-	370	0	-	-	-	-
13093492	VINING SEEPAGE TUNNEL NR FILER	80-07-08	1800	-	-	-	-	-	390	0	-	-	-	-
		81-07-06	1705	-	-	-	-	-	370	0	-	-	-	-
13093493	UNNAMED DRAIN NE SEC 1 NR FILER	80-07-08	1650	-	-	-	-	-	500	0	-	-	-	-
		81-07-07	1030	-	-	-	-	-	300	5	-	-	-	-
13093494	CEDAR DRAW AT OLD HWY 30 NR FILER	80-07-08	1530	-	-	-	-	-	330	4	-	-	-	-
		81-05-11	1615	-	-	-	-	-	300	2	-	-	-	-
		81-07-07	0915	-	-	-	-	-	300	0	-	-	-	-
13093495	INFLOW TO CEDAR DRAW BELOW OLD HWY 30	81-05-11	1730	-	-	-	-	-	310	1	-	-	-	-
13093496	UNNAMED DRAIN IN SW SEC 36 SITE 4B	80-07-08	1400	-	-	-	-	-	300	16	-	-	-	-
13093497	E COULEE AT MOUTH NR FILER	80-05-13	0830	-	-	-	-	-	290	7	-	-	-	-
		80-07-08	1040	-	-	-	-	-	330	0	-	-	-	-
		81-05-12	0845	-	-	-	-	-	290	2	-	-	-	-
		81-07-07	1115	-	-	-	-	-	310	2	-	-	-	-
13093499	INFLOW AT CEDAR DRAW NR FILER	80-07-07	1440	-	-	-	-	-	330	14	-	-	-	-
		81-07-06	1535	-	-	-	-	-	-	-	-	-	-	-

Table 3.--Hydrologic and water-quality data, Cedar Draw area--Continued

			TIME	Ca	Mg	Na	SAR	K	HCO3	CO3	SO4	Cl	F	Si
13093500	CEDAR DRAW NEAR FILER	79-11-08	1525	76	37	75	2	5.1	330	24	140	47	.9	52
		79-12-20	1015	-	-	-	-	-	270	17	-	-	-	-
		80-02-12	0945	86	42	87	2	13	380	0	150	57	.8	50
		80-04-22	1430	-	-	-	-	-	200	14	-	-	-	-
		80-05-12	0835	52	20	31	.9	4.7	220	12	54	26	.6	15
		80-05-12	1520	-	-	-	-	-	250	10	-	-	-	-
		80-05-13	0915	-	-	-	-	-	210	17	-	-	-	-
		80-06-27	1045	-	-	-	-	-	270	10	-	-	-	-
		80-07-07	1315	-	-	-	-	-	310	2	-	-	-	-
		80-07-08	0800	67	28	50	1	4.8	310	0	93	35	.9	33
		80-08-15	0930	-	-	-	-	-	350	0	-	-	-	-
		80-09-15	1415	-	-	-	-	-	220	19	-	-	-	-
		80-10-24	1130	54	22	40	1	5.1	260	0	76	30	.7	19
		80-12-08	1400	-	-	-	-	-	400	29	-	-	-	-
		81-02-02	1430	81	40	89	2	4.6	300	31	160	54	.8	54
		81-04-08	0850	-	-	-	-	-	350	0	-	-	-	-
		81-05-11	1115	55	22	36	1	4.6	230	12	70	32	.8	18
		81-05-12	1720	-	-	-	-	-	210	29	-	-	-	-
		81-06-16	0915	-	-	-	-	-	230	2	-	-	-	-
		81-07-06	1530	67	27	51	1	5.4	240	26	110	39	.7	35
		81-07-07	1020	-	-	-	-	-	300	5	-	-	-	-
		81-08-20	1330	-	-	-	-	-	340	5	-	-	-	-
		81-10-01	1145	59	24	40	1	4.3	250	2	74	30	.8	30
13093510	L F COULEE NR MOUTH NR FILER	80-05-12	1645	-	-	-	-	-	300	7	-	-	-	-
		80-07-08	0845	-	-	-	-	-	290	0	-	-	-	-
		81-05-12	1015	-	-	-	-	-	310	2	-	-	-	-
		81-07-07	1350	-	-	-	-	-	310	0	-	-	-	-
13093520	I 10 COULEE NR FILER	80-07-08	1800	-	-	-	-	-	210	5	-	-	-	-
		81-05-12	1100	-	-	-	-	-	220	17	-	-	-	-
		81-07-07	1515	-	-	-	-	-	190	13	-	-	-	-
13093530	CEDAR DRAW ABOVE MOUTH NEAR FILER	79-11-09	1045	76	36	81	2	5.3	320	29	140	47	.9	51
		79-12-20	1415	-	-	-	-	-	230	36	-	-	-	-
		80-02-12	1145	85	40	90	2	5.0	340	32	140	51	.8	50
		80-04-22	1545	-	-	-	-	-	240	0	-	-	-	-
		80-05-12	1025	-	-	-	-	-	260	0	-	-	-	-
		80-05-12	1700	-	-	-	-	-	210	17	-	-	-	-
		80-05-13	1335	52	21	33	.1	4.6	210	19	55	26	.6	16
		80-06-27	1200	-	-	-	-	-	250	17	-	-	-	-
		80-07-07	1400	-	-	-	-	-	310	12	-	-	-	-
		80-07-08	1000	67	26	49	1	5.3	290	10	88	33	1.0	32
		80-08-15	1040	-	-	-	-	-	310	19	-	-	-	-
		80-09-15	1600	-	-	-	-	-	260	14	-	-	-	-
		80-10-24	1415	54	23	43	1	5.2	220	22	75	32	.7	20
		80-12-08	1600	-	-	-	-	-	290	46	-	-	-	-
		81-02-02	1600	75	38	82	2	4.6	340	26	150	52	.8	27
		81-04-08	1115	-	-	-	-	-	340	17	-	-	-	-

Table 3.--Hydrologic and water-quality data, Cedar Draw area--Continued

			TIME	Ca	Mg	Na	SAR	K	HCO3	CO3	SO4	Cl	F	Si
13093530	CEDAR DRAW ABOVE MOUTH NEAR FILER	81-05-11	1630	55	23	43	1	5.2	260	19	75	33	0.8	21
		81-05-12	0930	-	-	-	-	-	240	10	-	-	-	-
		81-06-16	1120	-	-	-	-	-	240	2	-	-	-	-
		81-07-06	1330	65	26	50	1	5.3	250	19	110	36	.7	32
		81-07-07	0920	-	-	-	-	-	320	12	-	-	-	-
		81-08-20	1525	-	-	-	-	-	330	12	-	-	-	-
		81-10-01	1430	58	24	39	1	4.4	260	10	82	32	.8	31

Table 3.--Hydrologic and water-quality data, Cedar Draw area--Continued

SITE NO.	NAME	DATE	TIME	NO3	NO2	NH4	+ORG	P	ORTHO	As	B	Cr	Cu	Fe	Pb	Mn	Hg	Zn
13093475	CEDAR DRAW BL LOW LINE CANAL NR FILER	79-11-09	0900	1.5	0.02	0.04	0.70	0.06	0.04	-	-	-	-	-	-	-	-	-
		80-04-22	1130	< .01	< .01	.02	1.2	.25	.01	-	-	-	-	-	-	-	-	-
		80-05-12	1315	.02	.01	.02	.43	.18	.01	3	140	5	6	1500	42	90	0.3	30
		80-06-27	0915	< .01	.01	.04	.51	.10	.01	-	-	-	-	-	-	-	-	-
		80-07-08	1300	.12	.02	.05	.94	.10	.01	-	-	-	-	-	-	-	-	-
		80-08-15	0830	2.4	.03	.01	.94	.34	.05	-	-	-	-	-	-	-	-	-
		80-09-16	1500	2.8	.03	.03	.49	.12	< .01	-	-	-	-	-	-	-	-	-
		80-10-24	1005	.08	.01	.02	.54	.05	.01	-	-	-	-	-	-	-	-	-
		81-04-07	1520	1.1	.06	.10	2.1	.28	.04	-	-	-	-	-	-	-	-	-
		81-05-11	0915	.03	.01	.11	1.3	.16	< .03	4	370	5	5	1400	9	70	.6	10
		81-06-15	1515	< .01	.01	.09	.96	.09	.01	-	-	-	-	-	-	-	-	-
		81-07-07	1345	.52	.02	.12	1.2	.14	.07	5	210	6	5	1100	2	110	.2	20
		81-08-20	1115	.44	.03	.18	1.2	.09	.06	-	-	-	-	-	-	-	-	-
		81-10-01	1020	.21	.03	.16	.71	.10	.03	-	-	-	-	-	-	-	-	-
13093478	CEDAR DRAW AT CLOVER ROAD NEAR FILER	80-07-08	1540	.42	.02	.07	.83	.22	< .02	-	-	-	-	-	-	-	-	-
		81-05-11	1445	.04	.01	.10	.80	.12	.03	-	-	-	-	-	-	-	-	-
		81-07-06	1330	.28	.03	.15	.90	.20	< .20	-	-	-	-	-	-	-	-	-
13093481	UNNAMED DRAIN AT REST AREA NR FILER	80-07-08	1410	.72	.02	.03	2.9	1.4	< .01	-	-	-	-	-	-	-	-	-
		81-05-11	1130	.10	.03	.16	2.0	.31	< .01	-	-	-	-	-	-	-	-	-
		81-07-06	1435	.24	.02	.17	1.1	.16	.08	-	-	-	-	-	-	-	-	-
13093484	UNNAMED DRAIN NW SEC 7 NR FILER	80-07-08	1250	.89	.11	.13	1.0	.15	.05	-	-	-	-	-	-	-	-	-
13093488	HYPOTHEEK SEEPAGE TUNNEL NR FILER	80-05-12	1700	2.7	.10	2.7	8.9	1.3	.97	-	-	-	-	-	-	-	-	-
		80-07-08	1910	4.0	.01	< .01	1.5	.41	< .32	-	-	-	-	-	-	-	-	-
		81-05-12	1320	2.8	.21	2.4	3.9	2.0	.95	-	-	-	-	-	-	-	-	-
		81-07-06	1545	3.1	.11	.75	1.8	.49	.45	-	-	-	-	-	-	-	-	-
13093492	VINING SEEPAGE TUNNEL NR FILER	80-07-08	1800	4.4	.01	.01	1.5	.03	< .01	-	-	-	-	-	-	-	-	-
		81-07-06	1705	4.5	.01	.05	.95	.04	< .04	-	-	-	-	-	-	-	-	-
13093493	UNNAMED DRAIN NE SEC 1 NR FILER	80-07-08	1650	3.8	.02	.01	1.8	4.1	.16	-	-	-	-	-	-	-	-	-
		81-07-07	1030	2.6	.04	.21	1.3	.25	.14	-	-	-	-	-	-	-	-	-
13093494	CEDAR DRAW AT OLD HWY 30 NR FILER	80-07-08	1530	2.4	.02	.01	1.0	.47	.12	-	-	-	-	-	-	-	-	-
		81-05-11	1615	.49	.04	.14	.39	.19	< .01	-	-	-	-	-	-	-	-	-
		81-07-07	0915	1.4	.06	.12	.93	.23	.21	-	-	-	-	-	-	-	-	-
13093495	INFLOW TO CEDAR DRAW BELOW OLD HWY 30	81-05-11	1730	2.3	.06	.15	2.4	.63	.09	-	-	-	-	-	-	-	-	-
13093496	UNNAMED DRAIN IN SW SEC 36 SITE 48	80-07-08	1400	2.7	.03	.01	1.3	1.5	.07	-	-	-	-	-	-	-	-	-
13093497	E COULEE AT MOUTH NR FILER	80-05-13	0830	1.7	.02	.09	1.5	.24	.05	-	-	-	-	-	-	-	-	-
		80-07-08	1040	2.7	.04	.01	1.2	.20	< .01	-	-	-	-	-	-	-	-	-
		81-05-12	0845	1.7	.04	.17	1.6	.34	.07	-	-	-	-	-	-	-	-	-
		81-07-07	1115	2.2	.05	.21	1.3	.20	.11	-	-	-	-	-	-	-	-	-
13093499	INFLOW AT CEDAR DRAW NR FILER	80-07-07	1440	2.9	.01	.01	2.1	1.7	.05	-	-	-	-	-	-	-	-	-
		81-07-06	1535	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3.--Hydrologic and water-quality data, Cedar Draw area--Continued

SITE NO.	NAME	DATE	TIME	NO3	NO2	NH4	+ORG	P	ORTHO	As	B	Cr	Cu	Fe	Pb	Mn	Hg	Zn
13093500	CEDAR DRAW NEAR FILER	79-11-08	1525	4.1	0.08	0.02	0.80	0.05	0.05	-	-	-	-	-	-	-	-	-
		79-12-20	1015	3.1	.08	.06	1.5	.08	< .03	-	-	-	-	-	-	-	-	-
		80-02-12	0945	3.9	.07	.14	.86	.14	.08	-	-	-	-	-	-	-	-	-
		80-04-22	1430	.52	< .01	< .01	1.5	.27	.07	-	-	-	-	-	-	-	-	-
		80-05-12	0835	.51	.01	.13	1.3	.34	< .04	6	140	< 1	6	3800	6	150	< 0.1	50
		80-05-12	1520	.41	.02	.15	1.1	.09	< .05	-	-	-	-	-	-	-	-	-
		80-05-13	0915	.33	.01	.02	1.6	.32	< .01	-	-	-	-	-	-	-	-	-
		80-06-27	1045	1.6	.03	.03	.95	.19	.13	-	-	-	-	-	-	-	-	-
		80-07-07	1315	1.5	.01	< .01	.91	.29	< .01	-	-	-	-	-	-	-	-	-
		80-07-08	0800	2.1	.08	.03	1.1	.31	.08	12	150	8	11	2900	8	130	.1	50
		80-08-15	0930	2.9	.03	.05	.79	.35	.17	-	-	-	-	-	-	-	-	-
		80-09-15	1415	1.1	.01	.02	.60	.10	< .01	-	-	-	-	-	-	-	-	-
		80-10-24	1130	1.3	.01	.05	1.2	.11	.03	-	-	-	-	-	-	-	-	-
		80-12-08	1400	4.2	.05	.14	1.7	.03	< .02	-	-	-	-	-	-	-	-	-
		81-02-02	1430	3.6	.05	.11	1.0	.13	.11	-	-	-	-	-	-	-	-	-
		81-04-08	0850	3.8	.08	.05	.99	.11	.05	-	-	-	-	-	-	-	-	-
		81-05-11	1115	.66	< .01	.08	.89	.15	< .05	8	250	9	6	1600	10	70	.1	<10
		81-05-12	1720	.87	.03	.14	1.2	.26	.14	-	-	-	-	-	-	-	-	-
		81-06-16	0915	.48	.02	.13	1.3	.30	.02	-	-	-	-	-	-	-	-	-
		81-07-06	1530	1.6	.05	.11	1.2	.15	.13	15	270	7	7	410	6	20	.1	20
		81-07-07	1020	2.0	.05	.12	1.0	.16	.14	-	-	-	-	-	-	-	-	-
		81-08-20	1330	2.0	.04	.16	1.7	.31	.05	-	-	-	-	-	-	-	-	-
		81-10-01	1145	1.1	.03	.17	.95	.14	< .07	-	-	-	-	-	-	-	-	-
13093510	L F COULEE NR MOUTH NR FILER	80-05-12	1645	1.2	.03	.23	3.0	.26	.09	-	-	-	-	-	-	-	-	-
		80-07-08	0845	1.9	.03	.01	.86	.38	< .01	-	-	-	-	-	-	-	-	-
		81-05-12	1015	1.3	.03	.14	1.9	.51	.08	-	-	-	-	-	-	-	-	-
		81-07-07	1350	1.6	.03	.14	1.4	.40	.19	-	-	-	-	-	-	-	-	-
13093520	I 10 COULEE NR FILER	80-07-08	1800	.24	.03	.11	1.4	.40	.04	-	-	-	-	-	-	-	-	-
		81-05-12	1100	.13	.02	.12	1.9	.36	< .01	-	-	-	-	-	-	-	-	-
		81-07-07	1515	.07	.03	.18	1.3	.32	.09	-	-	-	-	-	-	-	-	-
13093530	CEDAR DRAW ABOVE MOUTH NEAR FILER	79-11-09	1045	4.3	.08	.04	.65	.05	.05	-	-	-	-	-	-	-	-	-
		79-12-20	1415	1.2	.04	< .01	1.1	.07	< .01	-	-	-	-	-	-	-	-	-
		80-02-12	1145	4.2	.05	.07	1.1	.11	.06	-	-	-	-	-	-	-	-	-
		80-04-22	1545	.62	.03	.02	1.5	.30	< .04	-	-	-	-	-	-	-	-	-
		80-05-12	1025	.59	.01	.02	.72	.41	< .07	-	-	-	-	-	-	-	-	-
		80-05-12	1700	.66	.02	.10	.70	.38	< .05	-	-	-	-	-	-	-	-	-
		80-05-13	1335	.51	.01	.04	1.2	.35	< .03	6	110	2	5	3600	3	140	< .1	30
		80-06-27	1200	1.5	.03	.03	.53	.06	.11	-	-	-	-	-	-	-	-	-
		80-07-07	1400	2.0	.02	.02	1.1	.25	< .01	-	-	-	-	-	-	-	-	-
		80-07-08	1000	1.9	.04	< .01	1.0	.28	.07	10	180	7	27	3200	46	140	.1	40
		80-08-15	1040	2.7	.02	< .01	.88	.36	.07	-	-	-	-	-	-	-	-	-
		80-09-15	1600	1.7	.01	.01	.92	.24	< .01	-	-	-	-	-	-	-	-	-
		80-10-24	1415	1.4	.01	.04	.88	.08	.02	-	-	-	-	-	-	-	-	-
		80-12-08	1600	4.5	.04	.07	1.1	.08	.07	-	-	-	-	-	-	-	-	-
		81-02-02	1600	3.8	.03	.09	.98	.09	.07	-	-	-	-	-	-	-	-	-
		81-04-08	1115	3.8	.05	.06	1.4	.10	.04	-	-	-	-	-	-	-	-	-

Table 3.--Hydrologic and water-quality data, Cedar Draw area--Continued

SITE NO.	NAME	DATE	TIME	NO3	NO2	NH4	+ORG	P	ORTHO	As	B	Cr	Cu	Fe	Pb	Mn	Hg	Zn
13093530	CEDAR DRAW ABOVE MOUTH NEAR FILER	81-05-11	1630	0.97	<0.01	0.11	2.1	0.22	0.08	8	300	9	9	4200	8	150	0.1	20
		81-05-12	0930	1.1	< .01	.11	1.9	.33	< .11	-	-	-	-	-	-	-	-	-
		81-06-16	1120	.62	.01	.13	2.7	.21	.03	-	-	-	-	-	-	-	-	-
		81-07-06	1330	1.6	.04	.11	1.3	.18	.13	12	260	7	6	930	9	40	.1	30
		81-07-07	0920	1.8	.04	.09	1.2	.25	.15	-	-	-	-	-	-	-	-	-
		81-08-20	1525	2.1	.04	.09	1.3	.26	.07	-	-	-	-	-	-	-	-	-
		81-10-01	1430	1.3	.03	.15	1.0	.11	< .01	-	-	-	-	-	-	-	-	-