UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SELECTED HYDROLOGIC DATA, YAMPA RIVER BASIN AND PARTS OF THE WHITE RIVER BASIN, NORTHWESTERN COLORADO AND SOUTH-CENTRAL WYOMING

By T. F. Giles and Robert E. Brogden

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Colorado Department of Natural Resources, the
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U.S. Environmental Protection Agency

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ILLUSTRATIONS

[Plates are in pocket]

TABLES

CONVERSION FACTORS

For those readers who may prefer to use metric units rather than English units, the conversion factors for the terms used in this report are listed below:

To convert English unit	*Multiply by*	*To obtain metric unit*
foot (ft)	0.3048	meter (m)
foot per day	.3048	meter per day (m/d)
cubic foot per second (ft^3/s)	.02832	cubic meter per second (m^3/s)
ton per acre-foot (ton/acre-ft)	7.353	metric tons per cubic hectometer (t/hm^3)

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ABSTRACT

This report contains selected hydrologic data from four energy-related projects conducted by the U.S. Geological Survey in the Yampa River basin and parts of the White River basin in northwestern Colorado and south-central Wyoming. Water-quality data during 1974 and 1975 and parts of 1976 for 129 ground-water sites and 119 surface-water sites are tabulated. For most samples, major cations, anions, and trace metals were analyzed. For the same time period, field measurements of specific conductance, temperature, and pH were made on 252 springs and wells. The chemical data are presented in the tables. These sampling sites, as well as the locations of 20 climatological stations, 18 snow-course sites, and 43 surface-water gaging stations, are shown on maps. Geologic units that contain coal deposits or supply much of the water used for stock and domestic purposes in the area also are shown on a map.

INTRODUCTION

The demand for information on water resources in the Yampa River basin in northwestern Colorado and south-central Wyoming has led to four projects conducted by the U.S. Geological Survey. The purpose of this report is to present the hydrologic data collected during 1974 and 1975 and parts of 1976 in order to aid in the development of surface and ground water in the basin.

Three of the four projects in northwestern Colorado are being conducted in cooperation with the Colorado Department of Natural Resources, the U.S. Bureau of Land Management, and the U.S. Environmental Protection Agency, respectively. The fourth project is funded almost entirely by the U.S. Geological Survey. Private companies developing coal leases on public lands in the area assisted the U.S. Geological Survey in collecting various types of hydrologic data. Energy Fuels, Inc., and Colowyo, Inc., gave permission to drill test holes on their leases, and Colowyo, Inc., provided test holes for completion as observation wells. Permission was obtained from Energy Fuels, Inc., to install surface-water gages on their holdings.

HYDROLOGIC DATA

Data were collected at 500 surface- and ground-water sites. Water samples were collected for analysis at many of these sites. These data are presented in tables and sampling sites are keyed by a map number shown on the plates. The surface-water analyses collected during the 1975 water year for these sites are presented in tables 1, 2, and 3 (back of the report). The locations of the surface-water sampling sites are shown on plate 1. Many of these surface-water sites are sampled on a quarterly basis.

Most of the water-quality data reported in tables 1, 2, and 3 were collected for studies of the Yampa River basin-assessment project. As part of a basinwide reconnaissance of streamflow-quality conditions during low flows, samples were collected during a 2-week period in August and September 1975, at 82 sites in the Yampa River basin for a wide range of water-quality analyses (Steele and others, 1976*a*, table 2). As part of an analysis of the waste-assimilative capacity of the Yampa River between Steamboat Springs and Hayden, Colo., data were collected over a 24-hour period during September 23-24, 1975, at 16 main-stem sites, 18 tributaries, and 6 point-discharge effluents (Steele and others, 1976*a*, table 3). These data have been utilized for calibrating two water-quality models in order to evaluate effects of alternative proposed treatment facilities and projected population increases in the Steamboat Springs area on selected stream-quality characteristics and to determine compliance with existing and proposed effluent- and stream-quality standards.

Of the 381 ground-water sampling sites, 129 sites were sampled and analyzed for major cations, ions, and trace metals. The results of these analyses are shown in table 4 (back of the report). Samples for the remaining 252 ground-water sites were analyzed in the field for pH, temperature, and specific conductance. These analyses are tabulated in table 5(back of the report). The locations of the 381 ground-water sampling sites are shown on plate 2. Water samples were not collected from some of the wells, but information on a depth to water and the geologic unit in which the well was completed is given in table 5.

Locations of climatological stations maintained by the U.S. Department of Commerce, or established and maintained by the U.S. Geological Survey, are shown on plate 1. Temperature and precipitation data may be obtained from the U.S. Department of Commerce, National Climatic Center, Federal Building, Asheville, N.C. 28801; or the U.S. Geological Survey, Water Resources Division, Box 25046, Mail Stop 415, Denver Federal Center, Lakewood, Colo. 80225. The locations of U.S. Soil Conservation Service snow-course stations also are shown on plate 1. Snow-course data may be obtained from the Snow Survey Unit, U.S. Soil Conservation Service, P. O. Box 17107, Denver, Colo. 80217.

The major geologic units that may be affected directly or indirectly by coal development are the Upper Cretaceous Williams Fork and Iles Formations of the Mesaverde Group, and the alluvium of the Yampa River and its principal tributaries (pl. 2). These geologic units contain the major, strippable coal deposits, and supply much of the water used for stock and domestic purposes.

Aquifer tests were conducted on several wells completed in the alluvium and the Mesaverde Group. All the aquifer tests were made using only the pumped well. The aquifers were assumed to be homogeneous and isotropic. Boundary conditions were not considered because of the short duration, 2 to 3 hours, of the tests. Data were analyzed using methods described by Ferris, Knowles, Brown, and Stallman (1962). The results of the tests are summarized below.

Site No. (plate 2)	Geologic unit	Location	Hydraulic conductivity, in feet per day
36	Alluvium----------	SB 4-86-14CDD	2.7
44	Alluvium----------	SB 4-86-10BAD	28.8
74	Alluvium----------	SB 5-86-12ABB	1.9
40	Iles Formation----------	SB 4-86-16CBA	.6
24	Williams Fork Formation--	SB 4-93-32DAB	.2
50	Williams Fork Formation--	SB 5-86-29CDD	[1].5
51	Williams Fork Formation--	SB 5-86-29CDD	[2].6
69	Williams Fork Formation--	SB 5-86-13ACC	.1

[1]From one 10-ft interval: 116-126 ft below land surface.
[2]From one 10-ft interval: 256-266 ft below land surface.

SYSTEM OF WELL NUMBERING

The local identifiers in tables 4 and 5 indicate the well locations as shown on plate 2. The numbers are based on the U.S. Bureau of Land Management system of land subdivision, and show the location of the well by quadrant, township, range, section, and position within the section. A graphic illustration of this method of well location is shown on figure 1. The first letter "S" preceding the location number means that the site is located in the area governed by the sixth principal meridian. The second letter indicates the quadrant in which the well is located. Four quadrants are formed by the intersection of the base line and the principal meridian--A indicates the northeast quadrant, B the northwest, C the southwest, and D the southeast. The first numeral indicates the township, the second the range, and the third the section in which the well is located. The letters following the section number locate the well within the section. The first letter denotes the quarter section, the second the quarter-quarter section,and the third the quarter-quarter-quarter section. The letters are assigned within the section in a counterclockwise direction, beginning with "A" in the northeast quarter. Letters are assigned within each quarter section and within each quarter-quarter section in the same manner. Where two or more wells are located within the smallest subdivision, consecutive numbers beginning with 1 are added in the order in which the wells were inventoried. The example shown in figure 1, well number SB 4-86-16CBA, indicates a well in the NE¼NE¼SW¼ of sec. 16, T. 4 N., R. 86 W. The "B" indicates the township is north of the baseline and that the range is west of the sixth principal meridian.

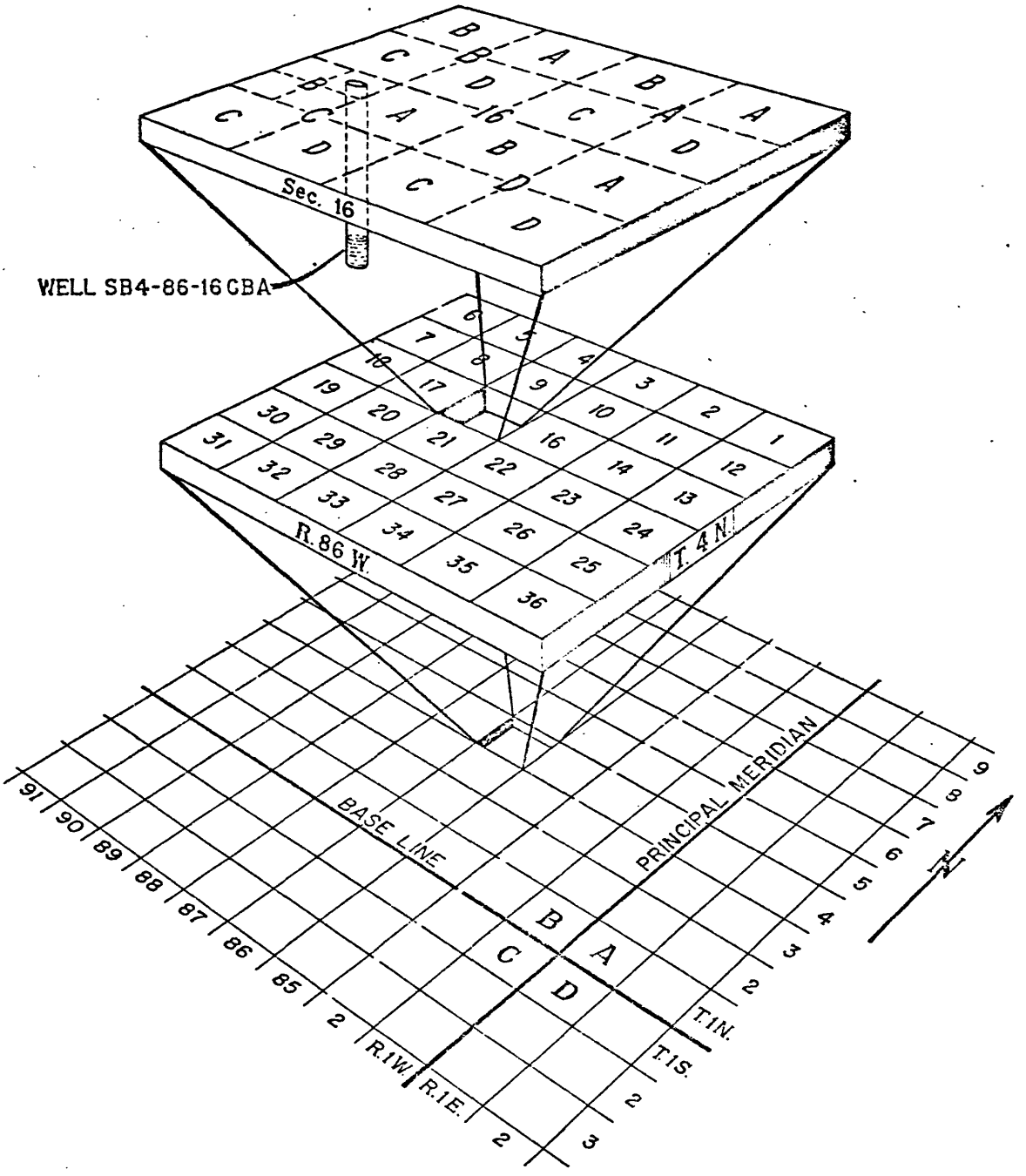

Figure 1.--System of numbering wells in Colorado and part of Wyoming.

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Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*

EXPLANATION OF HEADING INFORMATION

UNITS:

CFS	= CUBIC FEET PER SECOND
DEG C	= DEGREES CELSIUS
MG/L	= MILLIGRAMS PER LITER
MICROMHOS	= MICROMHOS PER CENTIMETER AT 25° CELSIUS
COL. PER 100 ML	= COLONIES PER 100 MILLILITERS

COUNTY:

081	= MOFFAT (CO)
103	= RIO BLANCO (CO)
107	= ROUTT (CO)
007	= CARBON (WY)
037	= SWEETWATER (WY)

B = RESULTS BASED ON NONIDEAL COLONY COUNT.
E = ESTIMATED.

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)
1	09304200	WHITE R AB COAL CR NR MEEKER CO	103	74-11-11	1500	345	5.0
			103	74-12-19	0910	361	.0
			103	75-03-17	1100	--	2.0
			103	75-04-14	1000	320	4.0
			103	75-05-08	1030	463	5.0
			103	75-05-20	1500	1640	10.0
			103	75-06-09	0945	4210	6.0
2	09304800	WHITE R BL MEEKER CO	103	74-11-15	1030	400	--
			103	74-12-19	1300	282	1.0
			103	75-01-10	1300	255	.5
			103	75-02-10	1300	--	.0
			103	75-03-03	1410	--	--
			103	75-03-17	1500	355	6.0
			103	75-04-14	1115	340	7.0
			103	75-05-06	1000	550	4.5
			103	75-05-21	1130	2200	8.0
			103	75-06-09	1035	3890	8.0
			103	75-07-02	1430	3268	14.0
			103	75-08-13	1045	520	16.0
			103	75-09-10	0950	390	13.0
3	09304500	WHITE R NR MEEKER CO	103	75-05-20	1645	2070	11.0
			103	75-06-09	0830	3950	--
4	09236000	BEAR R NR TOPONAS CO	045	75-08-28	1100	31	10.0
5	400612106524800	CHIMNEY CR AT TRAPPER CO	107	75-08-28	1415	5.3	12.5
6	400759106532500	PHILLIPS CR NR YAMPA CO	107	75-08-28	1600	17	14.5
7	09243000	TROUT CR NR PHIPPSBURG CO	103	75-08-27	1625	25	12.0
8	401048106544800	YAMPA R BL YAMPA CO	107	75-08-28	1740	61	14.5
9	09250000	MILK CR NR THORNBURGH CO	103	75-09-02	1030	.80	17.0
10	09249200	S FK WILLIAMS FK NR PAGODA CO	103	75-09-02	1445	.50	18.0
11	401348107520200	UNNAMED TRIB TO WILSON CR NR AXIAL CO	081	75-05-26	--	--	14.0
12	401348107530200	WILSON CR AB E FK WILSON CR NR AXIAL CO	081	74-11-25	1200	--	2.5
13	09238000	OAK CR NR OAK CR CO	107	75-08-27	1815	E6.0	12.0
14	401418106562200	YAMPA R AT PHIPPSBURG CO	107	75-08-26	1300	98	13.0
15	401459107470800	GOOD SPRING CR AB ELKHORN CR NR AXIAL CO	081	74-11-25	1100	--	1.0
			081	75-05-26	--	--	12.5
16	401530107262300	COAL CR AT MOUTH NR PAGODA CO	107	75-09-02	1605	.02	15.0
17	401542107481300	UNNAMED TRIB TO GOOD SPRING CR NR AXIAL CO	081	75-05-26	--	--	21.0
18	401544107471800	GOOD SPRING CR NR STREETER MINE AB AXIAL CO	081	75-05-26	--	--	13.0
19	401546107260700	CEDAR CR AT MOUTH NR PAGODA CO	107	75-09-03	1210	E.10	12.0
20	401601107395300	STINKING GL NR THORNBURGH CO	081	75-09-01	1230	.78	18.0

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	SUS-PENDED SEDI-MENT (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)	SUS-PENDED ORGANIC CARBON (C) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
74-11-11	8.4	12.1	390	--	--	--	--	--	--	--	--	.01
74-12-19	8.8	11.5	--	--	--	--	--	--	--	--	--	.19
75-03-17	--	9.8	400	--	--	--	--	--	--	--	--	.04
75-04-14	--	--	380	30	--	--	--	--	--	--	--	--
75-05-08	--	--	380	22	--	--	--	--	--	--	--	--
75-05-20	--	--	220	164	--	--	--	--	--	--	--	--
75-06-09	8.3	9.8	200	1880	--	--	--	--	--	--	--	.18
74-11-15	8.4	11.6	--	--	--	--	--	--	--	--	--	--
74-12-19	8.3	--	--	--	--	--	1.6	--	.10	--	.12	--
75-01-10	8.2	--	500	--	--	--	2.6	--	.22	--	.28	--
75-02-10	8.5	--	600	--	--	--	2.8	--	.19	--	.25	--
75-03-03	--	--	--	295	--	--	--	--	--	--	--	--
75-03-17	8.6	--	740	23	--	--	1.8	--	--	--	.17	--
75-04-14	8.5	9.8	680	40	--	--	3.3	--	.21	--	.25	--
75-05-06	8.3	8.8	550	44	--	--	3.3	--	.30	--	.30	--
75-05-21	--	--	220	470	--	--	--	--	--	--	--	--
75-06-09	7.1	9.0	290	303	--	--	6.3	--	.48	--	.48	--
75-07-02	8.3	--	300	--	--	--	8.6	--	.23	--	.30	--
75-08-13	8.1	6.9	600	27	4.2	1.1	6.9	--	.25	--	.25	--
75-09-10	8.5	9.1	625	--	1.3	--	4.5	--	.34	--	.34	--
75-05-20	--	--	240	192	--	--	--	--	--	--	--	--
75-06-09	--	--	--	910	--	--	--	--	--	--	--	--
75-06-28	8.2	7.8	100	--	2.0	.4	--	--	--	.16	.25	.01
75-08-28	8.[illegible]	8.1	560	31	5.3	.4	--	--	--	.21	.41	.02
75-08-28	8.6	9.0	400	--	--	--	--	--	--	--	--	--
75-08-27	8.3	7.7	110	--	9.1	--	--	--	--	.16	.16	.01
75-08-28	8.8	7.7	300	--	--	--	--	--	--	--	--	--
75-09-02	7.9	8.2	950	--	16	.3	--	--	--	.34	.40	.02
75-09-02	8.6	7.6	400	--	5.8	.3	--	--	--	.28	.25	.00
75-05-26	8.0	--	740	--	--	--	--	--	--	--	--	.70
74-11-25	8.3	--	1300	--	--	--	--	--	--	--	--	.27
75-08-27	8.5	7.6	280	--	9.5	--	--	--	--	.16	.23	.01
75-08-28	8.8	9.3	390	--	8.9	.5	--	--	--	.23	.25	.00
74-11-25	--	--	1430	--	--	--	--	--	--	--	--	1.0
75-05-26	8.3	--	1025	--	--	--	--	--	--	--	--	.64
75-09-02	8.2	6.8	1950	--	8.7	.4	--	--	--	.43	.41	.02
75-05-26	8.1	--	1300	--	--	--	--	--	--	--	--	2.0
75-05-26	--	--	1400	--	--	--	--	--	--	--	--	1.4
75-09-03	8.3	7.4	825	--	4.1	.2	--	--	--	.12	.43	.16
75-09-01	8.1	8.2	3600	--	8.3	.8	--	--	--	.62	.86	2.4

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	IMMF-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND 30 DAY (MG/L)
74-11-11	--	--	--	.02	--	--	--	--	--	--	--
74-12-19	--	--	--	.01	--	--	--	--	--	--	--
75-03-17	--	--	--	.04	--	--	--	--	--	--	--
75-04-14	--	--	--	--	--	--	--	--	--	--	--
75-05-08	--	--	--	--	--	--	--	--	--	--	--
75-05-20	--	--	--	--	--	--	--	--	--	--	--
75-06-09	--	--	--	.00	--	--	--	--	--	--	--
74-11-15	--	--	--	--	--	--	--	690	220	--	--
74-12-19	.14	.26	.02	--	--	.03	--	--	--	--	--
75-01-10	.20	.48	.06	--	--	.04	--	--	8130	--	--
75-02-10	.00	.25	.06	--	--	.00	--	--	62	--	--
75-03-03	--	--	--	--	--	--	--	--	--	--	--
75-03-17	.01	.18	--	--	--	.04	--	<1	<1	--	--
75-04-14	.02	.27	.04	--	--	.02	--	--	--	--	--
75-05-06	.01	.31	.00	--	--	.04	--	--	--	--	--
75-05-21	--	--	--	--	--	--	--	--	--	--	--
75-06-09	.16	.64	.00	--	--	.22	--	--	--	--	--
75-07-02	.05	.35	.07	--	--	.13	--	--	--	--	--
75-08-13	.01	.26	.00	--	--	.04	.03	81A00	200	--	--
75-09-10	.03	.37	.00	--	--	.05	.03	1300	--	1.0	--
75-05-20	--	--	--	--	--	--	--	--	--	--	--
75-06-09	--	--	--	--	--	--	--	--	--	--	--
75-08-28	.01	.26	--	--	.01	.07	--	--	--	--	--
75-08-28	.02	.43	--	.01	.02	.08	--	--	--	--	--
75-08-28	--	--	--	--	--	--	--	--	--	--	--
75-08-27	.01	.17	--	.01	.00	.01	--	--	--	--	--
75-08-28	--	--	--	--	--	--	--	--	--	--	--
75-09-02	.02	.42	--	.01	.00	.03	--	--	--	--	--
75-09-02	.01	.26	--	--	.00	.01	--	--	--	--	--
75-05-26	--	--	--	.02	--	.20	--	--	--	--	--
74-11-25	--	--	--	.00	.07	--	--	--	--	--	--
75-08-27	.01	.24	--	--	.00	.02	--	--	--	--	--
75-08-26	.00	.25	--	--	.00	.04	--	--	--	--	--
74-11-25	--	--	--	.00	.06	--	--	--	--	--	--
75-05-26	--	--	--	.02	--	.03	--	--	--	--	--
75-09-02	.02	.43	--	--	.00	.02	--	--	--	--	--
75-05-26	--	--	--	.02	--	.02	--	--	--	--	--
75-05-26	--	--	--	.04	--	.10	--	--	--	--	--
75-09-03	.16	.59	--	--	.01	.02	--	--	--	--	--
75-09-01	2.5	3.4	--	--	.00	.33	--	--	--	--	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)
21	401623107493400	TAYLOR CR AB MOUTH NR AXIAL CO	081	75-05-26	--	--	17.0
22	401725106575600	OAK CR AB OAK CR DR NR OAK CR CO	107	75-08-26	1610	E3.2	15.0
23	09250400	GOOD SPRING CR AT AXIAL CO	081	74-11-25	1200	--	.0
			081	75-05-26	--	--	9.0
			081	75-09-02	1230	1.3	17.5
24	401729106575400	OAK CR DR NR OAK CR CO	107	75-08-27	1100	E.75	11.5
25	401741106574600	OAK CR AB ROUTT CO	107	75-08-27	1315	3.9	13.0
26	09249000	E FK WILLIAMS FK NR PAGODA CO	107	75-09-03	0930	34	11.0
27	09250610	JUBB CR NR AXIAL CO	081	75-07-30	1115	.09	16.0
			081	75-08-31	1130	.13	14.0
			081	75-09-01	1345	.09	19.5
			081	75-09-17	1050	.07	13.0
28	09250510	TAYLOR CR AT MOUTH NR AXIAL CO	081	75-07-03	1120	.24	25.0
			081	75-08-31	1430	E.10	23.0
			081	75-09-01	1215	.03	18.5
			081	75-09-17	1300	.02	20.0
29	401851107475700	TAYLOR CR NR AXIAL CO	081	74-11-25	1200	--	2.0
30	09250600	WILSON CR NR AXIAL CO	081	75-05-26	1200	--	8.0
			081	75-07-03	1500	3.4	20.0
			081	75-08-31	1300	.63	16.0
			081	75-09-01	1200	.55	17.0
			081	75-09-17	1230	.53	15.5
31	401857107243500	S FK WILLIAMS FK AT MOUTH NR PAGODA CO	107	75-09-03	1320	.20	23.5
32	401913107204100	HAYDEN GL NR PAGODA CO	107	75-09-03	1100	E.13	9.0
33	402005107411900	STINKING GL AT ILES GROVE CO	081	75-09-01	0945	3.1	13.5
34	09244100	FISH CR NR MILNER CO	107	75-09-02	1400	1.6	18.0
			107	75-09-24	0925	--	9.0
35	09243800	FOIDEL CR NR OAK CR CO	107	75-09-03	1145	E.01	13.0
36	402152107301300	WILLIAMS FK BL JEFFWAY GL NR HAMILTON CO	081	75-09-03	1310	25	21.0
37	402154107[illegible]53100	MILK CR NR MOUTH NR AXIAL CO	081	75-09-01	1500	6.5	21.5
38	402221107365200	WILLIAMS FK BL MORAPOS CR AT HAMILTON CO	081	75-09-03	1615	26	19.5
[illegible]	09243700	MIDDLE CR NR OAK CR CO	107	75-09-02	1140	.04	18.0
[illegible]0	09243900	FOIDEL CR AT MOUTH NR OAK CR CO	107	75-09-02	1030	E.01	14.0
41	402330107082000	GRASSY CR AT GRASSY GAP CO	107	75-09-05	1600	E.01	17.5
42	09238300	N FK WALTON CR NR RABBIT EARS PASS CO	049	75-08-27	1425	.22	13.5
43	402356106500000	YAMPA R AB OAK CR NR STEAMBOAT SP CO	107	75-08-29	1155	107	12.5
44	402356106503000	OAK CR NR STEAMBOAT SP CO	107	75-08-29	1400	2.8	17.0
45	402416106580800	TROUT CR AB FOIDEL CR CO	107	75-08-30	1300	14	16.0
46	402456107413500	YAMPA R AB BELL ROCK GL NR HAMILTON CO	081	75-09-04	1430	E155	21.0
47	4025221071[illegible],100	SAGE CR NR MT HARRIS CO	107	75-09-04	1530	.42	17.0

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	SUS-PENDED SEDI-MENT (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)	SUS-PENDED ORGANIC CARBON (C) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
75-05-26	8.3	--	700	--	--	--	--	--	--	--	--	1.2
75-08-26	8.3	7.5	405	--	5.3	.3	--	--	--	.34	.81	.29
74-11-25	--	--	1560	--	--	--	--	--	--	--	--	.47
75-05-26	8.2	--	1200	--	--	--	--	--	--	--	--	.21
75-09-02	8.3	8.4	1450	--	14	.2	--	--	--	.34	.38	.01
75-08-27	7.5	--	3000	--	14	--	--	--	--	.81	.79	.00
75-08-27	8.1	7.5	800	13	20	.3	--	--	--	.34	.43	.51
75-09-03	8.4	8.8	210	--	2.5	.3	--	--	--	.12	.16	.01
75-07-30	8.5	--	1650	--	4.6	--	3.6	--	--	--	--	.02
75-08-31	8.3	9.0	1500	--	8.5	.2	--	--	--	.21	.34	.01
75-09-01	8.1	9.2	1650	--	--	--	--	--	--	--	--	.02
75-09-17	8.4	8.2	1850	--	--	--	--	--	--	--	--	.03
75-07-03	8.6	6.5	1000	80	7.3	--	7.7	--	--	--	--	.16
75-08-31	8.4	11.0	1100	--	7.3	.6	--	--	--	.21	.34	.03
75-09-01	8.2	7.8	1300	6	--	--	--	--	--	--	--	.06
75-09-17	8.4	--	1350	--	--	--	--	--	--	--	--	.01
74-11-25	--	--	1940	--	--	--	--	--	--	--	--	.59
75-05-26	8.1	--	860	--	--	--	--	--	--	--	--	.73
75-07-03	8.2	7.7	1620	474	9.1	.4	11	--	--	--	--	--
75-08-31	8.1	10.0	2000	--	6.5	.1	--	--	--	.16	.25	.28
75-09-01	8.0	11.2	2100	104	--	--	--	--	--	--	--	.34
75-09-17	8.2	11.4	2600	--	--	--	--	--	--	--	--	.39
75-09-03	8.2	6.0	625	--	4.2	.3	--	--	--	.25	.25	.01
75-09-03	8.2	8.0	1400	--	11	.2	--	--	--	.30	.62	.02
75-09-01	8.4	7.2	3200	--	4.5	--	--	--	--	.16	.34	.01
75-09-02	8.7	9.0	850	--	27	.3	--	--	--	.23	.30	.00
75-09-24	8.0	8.0	380	--	--	--	--	--	.34	--	.34	--
75-09-03	7.7	3.6	1650	--	13	1.9	--	--	--	.72	1.0	.01
75-09-03	8.4	7.5	300	--	3.1	.2	--	--	--	.16	.21	.01
75-09-01	8.1	8.4	2700	133	5.5	.4	--	--	--	.12	.32	.08
75-09-03	8.4	8.2	365	9	4.2	.2	--	--	--	.16	.30	.02
75-09-02	8.4	8.9	740	--	14	1.8	--	--	--	.37	.57	.00
75-09-02	7.7	6.0	880	--	7.2	1.8	--	--	--	.21	.43	.09
75-09-05	8.6	8.9	850	--	9.1	2.0	--	--	--	.82	.90	.00
75-08-27	7.6	7.7	<50	--	4.1	.2	--	--	--	.25	.21	.02
75-08-29	8.4	8.2	320	6	4.3	.4	--	--	--	.30	.43	.01
75-08-29	8.6	9.4	700	--	18	.4	--	--	--	.21	.47	.01
75-08-30	9.0	9.4	360	--	8.9	.3	--	--	--	.21	.16	.24
75-09-04	8.6	9.2	390	--	4.3	.5	--	--	--	.12	.25	.01
75-09-04	8.6	8.8	700	--	13	.4	--	--	--	.25	.30	.11

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	BIOCHEMICAL OXYGEN DEMAND 30 DAY (MG/L)
75-05-26	--	--	--	.01	--	.08	--	--	--	--	--
75-08-26	.32	1.1	--	--	.13	.21	--	--	--	--	--
74-11-25	--	--	--	.01	.05	--	--	--	--	--	--
75-05-26	--	--	--	.02	--	.10	--	--	--	--	--
75-09-02	.01	.39	--	--	.00	.02	--	--	--	--	--
75-08-27	.00	.79	--	--	.02	.03	--	--	--	--	--
75-08-27	.51	.94	--	.06	.09	.22	--	--	--	--	--
75-09-03	.01	.17	--	.00	.01	.03	--	--	--	--	--
75-07-30	--	--	--	.01	--	--	--	--	--	--	--
75-08-31	.01	.35	--	--	.00	.02	--	--	--	--	--
75-09-01	--	--	--	.08	--	--	--	--	--	--	--
75-09-17	--	--	--	.00	--	--	--	--	--	--	--
75-07-03	--	--	--	.00	--	--	--	--	--	--	--
75-08-31	.03	.37	--	--	.00	.03	--	--	--	--	--
75-09-01	--	--	--	.00	--	--	--	--	--	--	--
75-09-17	--	--	--	.00	--	--	--	--	--	--	--
74-11-25	--	--	--	.00	.08	--	--	--	--	--	--
75-05-26	--	--	--	.02	--	.60	--	--	--	--	--
75-07-03	--	--	--	--	--	--	--	--	--	--	--
75-08-31	.30	.55	--	--	.00	.02	--	--	--	--	--
75-09-01	--	--	--	.03	--	--	--	--	--	--	--
75-09-17	--	--	--	.00	--	--	--	--	--	--	--
75-09-03	.02	.27	--	.00	.01	.03	--	--	--	--	--
75-09-03	.02	.64	--	--	.02	.04	--	--	--	--	--
75-09-01	.02	.36	--	--	.04	.13	--	--	--	--	--
75-09-02	.01	.31	--	.00	.00	.02	--	--	--	--	--
75-09-24	.02	.36	.00	--	--	.04	.01	--	--	--	--
75-09-03	.01	1.0	--	--	.12	.46	--	--	--	--	--
75-09-03	.01	.22	--	--	.00	.02	--	--	--	--	--
75-09-01	.08	.40	--	.01	.00	.06	--	--	--	--	--
75-09-03	.02	.32	--	.00	.01	.06	--	--	--	--	--
75-09-02	.02	.59	--	--	.01	.09	--	--	--	--	--
75-09-02	.08	.51	--	--	.02	.09	--	--	--	--	--
75-09-05	.00	.90	--	--	.08	.19	--	--	--	--	--
75-08-27	.02	.23	--	.00	.02	.00	--	--	--	--	--
75-08-29	.01	.44	--	.01	.01	.05	--	--	--	--	--
75-08-29	.02	.49	--	--	.02	.08	--	--	--	--	--
75-08-30	.25	.41	--	--	.00	.02	--	--	--	--	--
75-09-04	.01	.26	--	--	.00	.02	--	--	--	--	--
75-09-04	.11	.41	--	--	.00	.00	--	--	--	--	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)
48	402530106585700	FISH CR AT MOUTH NR MILNER CO	107	75-08-30	1115	.88	13.5
49	402536106582700	TROUT CR BL FOIDEL CR NR MILNER CO	107	75-08-29	1630	12	21.5
50	402544106493600	YAMPA R BL OAK CR NR STEAMBOAT SP CO	107	75-09-23	1207	98	9.0
			107	75-09-23	1505	--	11.5
			107	75-09-23	1800	--	12.0
			107	75-09-23	2105	--	11.5
			107	75-09-24	0005	--	10.5
			107	75-09-24	0315	--	9.0
			107	75-09-24	0610	--	7.0
			107	75-09-24	0840	--	--
			107	75-09-24	0900	--	6.5
			107	75-09-24	1200	--	--
51	09249750	WILLIAMS FK AT MOUTH NR HAMILTON CO	081	75-06-26	1600	569	12.0
			081	75-07-25	1430	20	22.5
			081	75-08-27	1045	43	15.0
			081	75-09-04	0920	30	15.0
			081	75-09-30	1500	35	14.0
52	402627107390700	YAMPA R AB WILLIAMS FK NR HAMILTON CO	081	75-09-04	1045	125	17.0
53	09244300	GRASSY CR NR MT HARRIS CO	107	75-09-05	1055	E.10	9.0
54	402650107541900	YAMPA R AT GOVERNMENT BRIDGE CO	081	75-08-26	1900	370	20.5
55	402700106485400	WALTON CR NR MOUTH AT US 40 BRIDGE CO	107	75-09-23	1235	1.2	12.5
			107	75-09-23	1525	--	17.0
			107	75-09-23	1530	--	--
			107	75-09-23	1820	--	16.5
			107	75-09-23	2130	--	13.5
			107	75-09-24	0025	--	11.0
			107	75-09-24	0335	--	9.0
			107	75-09-24	0625	--	7.0
			107	75-09-24	0915	--	7.0
56	09260050	YAMPA R AT DEERLODGE CO	081	75-08-26	1105	494	17.5
57	402737106493700	YAMPA R BL WALTON CR CO	107	75-09-23	1250	--	11.0
			107	75-09-23	1545	--	12.5
			107	75-09-23	1550	--	--
			107	75-09-23	1840	--	12.0
			107	75-09-23	1905	--	--
			107	75-09-23	2145	--	--
			107	75-09-23	2150	--	10.5
			107	75-09-24	0035	--	--
			107	75-09-24	0040	--	10.0
			107	75-09-24	0350	--	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	SUS-PENDED SEDI-MENT (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)	SUS-PENDED ORGANIC CARBON (C) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
75-08-30	8.5	9.4	850	28	10	.9	--	--	--	.21	.67	.01
75-08-29	9.4	8.9	340	0	10	.4	--	--	--	.30	.45	.06
75-09-23	8.6	9.6	260	--	--	--	--	--	.19	--	.19	--
75-09-23	8.7	9.8	280	--	--	--	--	--	--	--	--	--
75-09-23	8.8	7.8	280	--	--	--	--	--	--	--	--	--
75-09-23	8.7	7.0	285	--	--	--	--	--	--	--	--	--
75-09-24	8.6	7.6	290	--	--	--	--	--	--	--	--	--
75-09-24	8.5	9.2	280	--	--	--	--	--	--	--	--	--
75-09-24	8.4	9.0	280	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--	--
75-09-24	8.5	8.0	280	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--	--
75-06-26	8.5	--	220	180	--	--	--	.00	.76	--	.96	--
75-07-25	8.4	10.4	340	19	--	--	--	--	.30	--	.30	--
75-08-27	8.0	8.0	379	8	--	--	--	--	.21	--	.21	--
75-09-04	8.1	8.3	420	--	4.2	.5	--	--	--	.09	.16	.01
75-09-30	8.7	8.0	540	--	--	--	4.3	--	.41	--	.46	--
75-09-04	8.5	8.2	360	--	4.2	.4	--	--	--	.16	.25	.01
75-09-05	8.1	5.9	1600	--	14	--	--	--	--	.67	1.2	.10
75-06-26	8.9	8.0	350	--	18	.3	--	--	--	.25	.28	.01
75-09-23	8.2	9.6	75	--	--	--	--	--	.15	--	.15	--
75-09-23	8.6	9.4	72	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	8.9	7.8	72	--	--	--	--	--	--	--	--	--
75-09-23	8.5	7.1	<50	--	--	--	--	--	--	--	--	--
75-09-24	8.0	7.2	75	--	--	--	--	--	--	--	--	--
75-09-24	7.8	9.0	75	--	--	--	--	--	--	--	--	--
75-09-24	7.8	8.2	75	--	--	--	--	--	--	--	--	--
75-09-24	7.9	7.5	75	--	--	--	--	--	--	--	--	--
75-06-26	8.4	7.6	460	--	7.0	--	--	--	--	.25	.25	.00
75-09-23	8.6	9.2	270	--	--	--	--	--	.23	--	.23	--
75-09-23	8.7	9.5	275	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	8.8	7.8	275	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	8.6	7.2	275	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--	--
75-09-24	8.5	7.4	280	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	BIOCHEMICAL OXYGEN DEMAND 30 DAY (MG/L)
75-08-30	.01	.68	--	.00	.00	.05	--	--	--	--	--
75-08-29	.07	.52	--	.01	.00	.03	--	--	--	--	--
75-09-23	.01	.20	.00	--	--	.04	.02	--	--	.8	2.2
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	60	31	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	1.4	2.8
75-06-26	.05	1.0	.20	--	--	.14	--	--	--	--	--
75-07-25	.02	.32	.00	--	--	.01	--	--	--	--	--
75-08-27	.01	.22	.00	--	--	.01	--	--	--	--	--
75-09-04	.01	.17	--	--	.02	.02	--	--	--	--	--
75-09-30	.00	.46	.05	--	--	.03	--	--	--	--	--
75-09-04	.01	.26	--	--	.00	.02	--	--	--	--	--
75-09-05	.10	1.3	--	--	.01	.19	--	--	--	--	--
75-08-26	.00	.28	--	.00	.01	.00	--	--	--	--	--
75-09-23	.00	.15	.00	--	--	.02	.01	--	--	.4	.5
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	6	2	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-08-26	.01	.26	--	--	.02	.01	--	--	--	--	--
75-09-23	.01	.24	.00	--	--	.04	.04	--	--	.7	2.0
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	10	10	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	18	16	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)
57	402737106493700	YAMPA R BL WALTON CR CO	107	75-09-24	0630	--	7.5
			107	75-09-24	0635	--	--
			107	75-09-24	0920	--	8.0
			107	75-09-24	1005	--	--
			107	75-09-24	1145	--	8.5
58	402753106494500	SEWAGE DISPOSAL POND AT MT WERNER CO	107	75-09-23	0950	--	--
			107	75-09-23	1210	1.6	16.5
			107	75-09-23	1410	--	12.0
			107	75-09-23	1710	--	23.0
			107	75-09-23	2010	.80	20.0
			107	75-09-23	2310	--	12.0
			107	75-09-24	0100	--	16.0
			107	75-09-24	0405	--	7.0
			107	75-09-24	0705	--	9.0
			107	75-09-24	1005	1.5	11.0
59	402759106493100	FISH CR NR MOUTH AT STEAMBOAT SP CO	107	75-09-24	1600	--	18.0
			107	75-09-23	1315	1.6	12.0
			107	75-09-23	1525	--	--
			107	75-09-23	1610	--	14.0
			107	75-09-23	1855	--	11.5
			107	75-09-23	2205	--	9.0
			107	75-09-24	0050	--	7.5
			107	75-09-24	0400	--	6.0
			107	75-09-24	0645	--	4.0
			107	75-09-24	0930	--	5.0
60	402816107003800	TROUT CR NR MILNER CO	107	75-09-23	1200	--	--
			107	75-09-23	1350	--	12.6
			107	75-09-23	1535	--	16.0
			107	75-09-23	1930	--	14.5
			107	75-09-23	2250	--	11.8
			107	75-09-24	0120	--	10.0
			107	75-09-24	0405	--	8.0
			107	75-09-24	0725	--	6.0
			107	75-09-24	1015	15	8.0
61	402832107080200	WOLF CR NR HAYDEN CO	107	75-09-02	1810	.08	14.0
			107	75-09-23	1335	E.10	9.0
			107	75-09-23	1550	--	11.0
			107	75-09-23	1830	--	10.0
			107	75-09-23	2125	--	8.0
			107	75-09-24	0040	--	6.6

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	SUSPENDED SEDIMENT (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)	SUSPENDED ORGANIC CARBON (C) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)
75-09-24	8.3	8.0	280	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--	--
75-09-24	8.3	6.9	280	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--	--
75-09-24	8.6	8.6	280	--	--	--	--	--	.22	--	.22	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	8.2	>15.0	--	--	--	--	--	--	--	--	--	--
75-09-23	7.7	16.0	420	--	--	--	--	--	19	--	37	--
75-09-23	8.4	17.0	310	--	--	--	--	--	--	--	--	--
75-09-23	8.3	17.6	350	--	--	--	--	--	--	--	--	--
75-09-23	7.5	10.0	380	--	--	--	--	--	--	--	--	--
75-09-24	7.6	10.6	360	--	--	--	--	--	--	--	--	--
75-09-24	7.6	7.6	400	--	--	--	--	--	4.0	--	20	--
75-09-24	7.3	5.8	380	--	--	--	--	--	--	--	--	--
75-09-24	7.8	14.2	390	--	--	--	--	--	--	--	--	--
75-09-24	8.7	>15.0	--	--	--	--	--	--	--	--	--	--
75-09-23	8.3	8.6	50	--	--	--	--	--	.14	--	.14	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	8.3	8.0	<50	--	--	--	--	--	--	--	--	--
75-09-23	7.9	7.4	<50	--	--	--	--	--	--	--	--	--
75-09-23	7.8	7.4	<50	--	--	--	--	--	--	--	--	--
75-09-24	7.8	8.0	<50	--	--	--	--	--	--	--	--	--
75-09-24	7.8	9.2	<50	--	--	--	--	--	--	--	--	--
75-09-24	7.9	8.4	<50	--	--	--	--	--	--	--	--	--
75-09-24	8.0	7.8	<50	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	9.0	9.2	260	--	--	--	--	--	.19	--	.19	--
75-09-23	8.8	8.8	340	--	--	--	--	--	--	--	--	--
75-09-23	7.7	7.7	340	--	--	--	--	--	--	--	--	--
75-09-23	7.9	6.8	350	--	--	--	--	--	--	--	--	--
75-09-24	7.7	7.6	360	--	--	--	--	--	--	--	--	--
75-09-24	10.3	7.6	360	--	--	--	--	--	--	--	--	--
75-09-24	--	7.9	350	--	--	--	--	--	--	--	--	--
75-09-24	--	9.0	350	--	--	--	--	--	--	--	--	--
75-09-02	8.3	7.7	1300	--	5.5	.1	--	--	--	.34	.41	.20
75-09-23	8.0	8.9	1480	--	--	--	--	--	.37	--	.37	--
75-09-23	7.9	8.1	1500	--	--	--	--	--	--	--	--	--
75-09-23	7.9	8.0	1550	--	--	--	--	--	--	--	--	--
75-09-23	7.9	7.7	1500	--	--	--	--	--	--	--	--	--
75-09-24	7.6	7.7	1250	--	--	--	--	--	--	--	--	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	BIOCHEMICAL OXYGEN DEMAND 30 DAY (MG/L)
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	150	50	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	32	24	--	--
75-09-24	.02	.24	.00	--	--	.04	.02	--	--	--	--
75-09-23	--	--	--	--	--	--	--	2200000	280000	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	.04	37	18	--	--	8.7	7.2	--	--	53	128
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	.06	20	16	--	--	9.6	7.4	--	--	55	148
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-23	.00	.14	.00	--	--	.00	.01	--	--	.4	.6
75-09-23	--	--	--	--	--	--	--	16	1	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	30	12	--	--
75-09-23	.01	.20	.00	--	--	.02	.02	--	--	1.0	2.0
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-02	.21	.62	--	--	.01	.03	--	--	--	--	--
75-09-23	.13	.50	.00	--	--	.01	.01	--	--	.7	1.2
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)
61	402832107080200	WOLF CR HAYDEN CO	107	75-09-24	0325	--	6.0
			107	75-09-24	0630	--	5.2
			107	75-09-24	0920	--	5.0
62	402840107004200	YAMPA R AT MILNER CO	107	75-09-23	1000	--	--
			107	75-09-23	1340	--	11.4
			107	75-09-23	1625	--	14.5
			107	75-09-23	1945	--	13.2
			107	75-09-23	2255	--	12.0
			107	75-09-24	0130	--	11.0
			107	75-09-24	0430	--	9.0
			107	75-09-24	0730	--	7.5
			107	75-09-24	1030	153	9.0
63	402854107020500	YAMPA R BL TROUT CR AT MILNER CO	107	75-09-02	1600	209	19.5
			107	75-09-23	0945	--	--
			107	75-09-23	1242	--	11.0
			107	75-09-23	1515	--	14.0
			107	75-09-23	1800	--	15.0
			107	75-09-23	2100	--	13.5
			107	75-09-24	0015	--	11.5
			107	75-09-24	0300	--	11.0
			107	75-09-24	0600	--	9.0
			107	75-09-24	0858	--	8.2
			107	75-09-24	1000	179	8.8
64	402857106494000	SPRING CR NR MOUTH AT STEAMBOAT SP CO	107	75-09-23	1325	.48	11.0
			107	75-09-23	1425	--	13.0
			107	75-09-23	1520	--	--
			107	75-09-23	1910	--	10.5
			107	75-09-23	2225	--	8.0
			107	75-09-24	0100	--	6.5
			107	75-09-24	0415	--	5.0
			107	75-09-24	0655	--	4.5
			107	75-09-24	0938	--	5.0
65	09239500	YAMPA R AT STEAMBOAT SP CO	107	75-06-25	1330	2010	9.0
			107	75-08-25	1045	153	17.0
			107	75-09-23	1335	--	12.0
			107	75-09-23	1635	111	13.5
			107	75-09-23	1930	--	12.0
			107	75-09-23	2245	--	10.5
			107	75-09-24	0115	--	9.5
			107	75-09-24	0425	--	8.0

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	SUS-PENDED SEDI-MENT (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)	SUS-PENDED ORGANIC CARBON (C) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
75-09-24	7.7	7.8	1300	--	--	--	--	--	--	--	--	--
75-09-24	7.9	8.1	1450	--	--	--	--	--	--	--	--	--
75-09-24	7.9	8.7	1450	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	.57	--	.57	--
75-09-23	9.0	9.5	208	--	--	--	--	--	.33	--	.33	--
75-09-23	9.0	9.3	285	--	--	--	--	--	.30	--	.30	--
75-09-23	8.0	8.0	275	--	--	--	--	--	.41	--	.41	--
75-09-23	8.2	6.8	270	--	--	--	--	--	.38	--	.38	--
75-09-24	8.1	7.2	290	--	--	--	--	--	.27	--	.27	--
75-09-24	--	7.6	280	--	--	--	--	--	.38	--	.38	--
75-09-24	--	7.7	290	--	--	--	--	--	.13	--	.13	--
75-09-24	--	9.1	290	--	--	--	--	--	--	.47	.50	.01
75-09-02	9.0	8.2	280	--	5.7	.2	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	.23	--	.23	--
75-09-23	8.7	9.7	260	--	--	--	--	--	--	--	--	--
75-09-23	8.7	9.4	220	--	--	--	--	--	--	--	--	--
75-09-23	8.0	9.1	300	--	--	--	--	--	--	--	--	--
75-09-23	8.2	7.8	320	--	--	--	--	--	--	--	--	--
75-09-24	8.1	6.8	280	--	--	--	--	--	--	--	--	--
75-09-24	8.1	6.6	290	--	--	--	--	--	--	--	--	--
75-09-24	8.0	7.0	310	--	--	--	--	--	.48	--	.48	--
75-09-24	7.8	7.4	310	--	--	--	--	--	--	--	--	--
75-09-24	7.9	8.8	310	--	--	--	--	--	.08	--	.08	--
75-09-23	7.8	8.4	50	--	--	--	--	--	--	--	--	--
75-09-23	8.0	7.8	<50	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	7.8	7.6	<50	--	--	--	--	--	--	--	--	--
75-09-23	7.6	7.8	<50	--	--	--	--	--	--	--	--	--
75-09-24	7.8	8.5	<50	--	--	--	--	--	--	--	--	--
75-09-24	7.7	9.4	<50	--	--	--	--	--	--	--	--	--
75-09-24	7.7	8.5	<50	--	--	--	--	--	--	--	--	--
75-09-24	7.7	8.2	<50	--	--	--	--	--	--	--	--	--
75-06-25	--	--	90	29	--	--	--	--	--	.25	.34	.00
75-08-25	8.6	9.9	340	9	8.7	.3	--	--	.65	--	.72	--
75-09-23	9.0	9.2	280	--	--	--	--	--	--	--	--	--
75-09-23	9.0	8.5	260	--	--	--	--	--	.25	--	.28	--
75-09-23	8.7	7.2	275	--	--	--	--	--	.54	--	.57	--
75-09-23	8.5	9.3	280	--	--	--	--	--	.38	--	.38	--
75-09-24	8.4	8.0	280	--	--	--	--	--	.27	--	.28	--
75-09-24	8.4	8.8	288	--	--	--	--	--	.34	--	.34	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	BIOCHEMICAL OXYGEN DEMAND 30 DAY (MG/L)
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	60	28	--	--
75-09-23	.01	.58	.00	--	--	.05	.03	--	--	1.2	2.8
75-09-23	.06	.39	.00	--	--	.07	.07	--	--	1.2	1.8
75-09-23	.01	.31	.00	--	--	.06	.04	--	--	1.5	7.6
75-09-23	.01	.42	.00	--	--	.11	.06	--	--	3.8	5.6
75-09-24	.04	.42	.00	--	--	.07	.01	--	--	1.6	7.0
75-09-24	.02	.29	.00	--	--	.08	.01	--	--	23	45
75-09-24	.01	.39	.00	--	--	.08	.04	--	--	5.6	9.8
75-09-24	.01	.14	.00	--	--	.02	.02	--	--	4.6	5.7
75-09-02	.01	.51	--	--	.02	.05	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	200	80	--	--
75-09-23	.01	.24	.00	--	--	.03	.01	--	--	1.0	1.6
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	.01	.49	.00	--	--	.07	.02	--	--	3.8	4.7
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-23	.00	.08	.00	--	--	.00	.01	--	--	.8	2.4
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	33	9	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-06-25	--	--	--	--	--	--	--	--	--	--	--
75-06-25	.00	.34	--	.01	.08	.07	--	--	--	--	--
75-09-23	.02	.74	.07	--	--	.19	.12	--	--	1.8	4.6
75-09-23	.02	.30	.03	--	--	.15	.11	--	--	4.8	10
75-09-23	.02	.59	.03	--	--	.12	.08	--	--	3.6	4.8
75-09-23	.02	.40	.00	--	--	.08	.06	--	--	2.8	4.6
75-09-24	.02	.30	.01	--	--	.07	.04	--	--	1.7	4.6
75-09-24	.01	.35	.00	--	--	.06	.03	--	--	1.6	10

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

INDEX NUMBER ON PLATE	STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)
65	09239500	YAMPA R AT STEAMBOAT SP CO	107	75-09-24	0705	--	6.5
			107	75-09-24	0915	--	--
			107	75-09-24	0945	--	8.0
			107	75-09-24	1145	--	--
66	402902106580000	YAMPA R AT ELK R JUNCTION NR MILNER CO	107	75-09-23	1030	--	--
			107	75-09-23	1300	--	11.3
			107	75-09-23	1525	--	14.0
			107	75-09-23	1640	--	14.5
			107	75-09-23	2145	--	13.0
			107	75-09-24	0030	--	11.0
67	402902107043600	YAMPA R AB TOW CR OIL FIELD CO	107	75-09-24	0330	--	10.0
			107	75-09-24	0640	--	7.0
			107	75-09-24	0915	108	8.0
			107	75-09-23	0930	--	--
			107	75-09-23	1315	--	13.0
68	402903106584100	W FK ELK R NR MOUTH AT US 40 BRIDGE CO	107	75-09-23	1530	--	14.0
			107	75-09-23	1620	--	14.0
			107	75-09-23	2110	--	13.0
			107	75-09-24	0025	--	11.8
			107	75-09-24	0315	--	10.5
			107	75-09-24	0615	--	9.0
			107	75-09-24	0905	181	8.0
			107	75-09-23	1230	--	--
			107	75-09-23	1305	--	12.6
			107	75-09-23	1610	--	15.7
69	09247600	YAMPA R BL CRAIG CO	107	75-09-23	1915	--	13.0
			107	75-09-23	2235	--	10.8
			107	75-09-24	0105	--	10.0
			107	75-09-24	0345	--	8.5
			107	75-09-24	0710	9.2	7.0
			107	75-09-24	0945	--	8.0
			081	75-06-26	1300	6000	11.5
			081	75-07-25	1145	1220	18.0
			081	75-08-27	0930	265	16.0
			081	75-09-04	1300	E125	19.0
70	402913106580400	ELK R NR MOUTH AT US 40 BRIDGE CO	081	75-09-30	1345	156	13.0
			107	75-09-23	1245	--	11.1
			107	75-09-23	1555	--	14.6
			107	75-09-23	1905	--	14.0
			107	75-09-23	2130	--	13.0

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	SUS-PENDED SEDI-MENT (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)	SUS-PENDED ORGANIC CARBON (C) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
75-09-24	8.3	8.2	280	--	--	--	--	--	.30	--	.30	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--	--
75-09-24	8.6	8.3	280	--	--	--	--	--	.38	--	.38	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	8.7	10.7	365	--	--	--	--	--	.91	--	.91	--
75-09-23	9.0	10.7	360	--	--	--	--	--	.47	--	.47	--
75-09-23	8.2	9.1	350	--	--	--	--	--	.37	--	.37	--
75-09-23	8.1	6.9	340	--	--	--	--	--	.44	--	.44	--
75-09-24	7.9	7.0	320	--	--	--	--	--	.51	--	.51	--
75-09-24	7.8	7.0	350	--	--	--	--	--	.50	--	.50	--
75-09-24	--	7.6	360	--	--	--	--	--	.33	--	.34	--
75-09-24	--	8.9	370	--	--	--	--	--	.34	--	.34	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	8.5	10.2	280	--	--	--	--	--	.21	--	.21	--
75-09-23	8.4	10.2	270	--	--	--	--	--	--	--	--	--
75-09-23	8.4	9.4	300	--	--	--	--	--	--	--	--	--
75-09-23	8.6	7.6	310	--	--	--	--	--	--	--	--	--
75-09-24	8.2	7.1	300	--	--	--	--	--	--	--	--	--
75-09-24	8.2	7.2	300	--	--	--	--	--	--	--	--	--
75-09-24	8.1	7.3	310	--	--	--	--	--	--	--	--	--
75-09-24	7.9	9.1	310	--	--	--	--	--	.17	--	.17	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	8.8	10.2	162	--	--	--	--	--	.17	--	.17	--
75-09-23	8.4	7.6	200	--	--	--	--	--	--	--	--	--
75-09-23	7.5	7.4	220	--	--	--	--	--	--	--	--	--
75-09-23	7.5	6.4	225	--	--	--	--	--	--	--	--	--
75-09-24	7.0	6.7	210	--	--	--	--	--	--	--	--	--
75-09-24	6.9	7.0	220	--	--	--	--	--	--	--	--	--
75-09-24	--	7.7	220	--	--	--	--	--	--	--	--	--
75-09-24	--	9.0	220	--	--	--	--	--	--	--	--	--
75-06-26	7.9	--	100	104	--	--	--	--	1.0	--	1.1	--
75-07-25	7.6	10.6	190	31	--	--	--	--	.35	--	.38	--
75-08-27	7.9	8.2	320	--	--	--	--	--	.34	--	.34	--
75-09-04	8.3	8.4	370	--	6.2	.5	--	--	--	.19	.21	.01
75-09-30	8.8	9.2	420	--	--	--	5.8	--	.42	--	.46	--
75-09-23	8.9	9.0	114	--	--	--	--	--	.21	--	.21	--
75-09-23	8.5	7.6	160	--	--	--	--	--	--	--	--	--
75-09-23	8.0	8.2	150	--	--	--	--	--	--	--	--	--
75-09-23	7.7	7.6	140	--	--	--	--	--	--	--	--	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND 30 DAY (MG/L)
75-09-24	.01	.31	.00	--	--	.05	.03	--	--	4.2	5.1
75-09-24	--	--	--	--	--	--	--	820	74	--	--
75-09-24	.01	.39	.00	--	--	.09	.05	--	--	2.6	4.4
75-09-24	--	--	--	--	--	--	--	--	--	2.7	4.6
75-09-23	--	--	--	--	--	--	--	76	60	--	--
75-09-23	.00	.91	.00	--	--	.08	.04	--	--	1.4	1.9
75-09-23	.01	.48	.00	--	--	.08	.05	--	--	4.4	7.2
75-09-23	.01	.38	.00	--	--	.09	.06	--	--	2.7	4.8
75-09-23	.08	.52	.00	--	--	.14	.12	--	--	2.2	9.8
75-09-24	.01	.52	.00	--	--	.13	.09	--	--	2.0	3.8
75-09-24	.02	.52	.00	--	--	.16	.08	--	--	3.9	5.8
75-09-24	.02	.36	.01	--	--	.10	.02	--	--	1.6	5.5
75-09-24	.02	.36	.00	--	--	.10	.05	--	--	5.2	11
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	.01	.22	.00	--	--	.03	.02	--	--	1.1	2.4
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	.01	.18	.00	--	--	.06	.02	--	--	5.2	19
75-09-23	--	--	--	--	--	--	--	96	52	--	--
75-09-23	.00	.17	.00	--	--	.02	.02	--	--	1.0	2.0
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-06-26	.04	1.1	.09	--	--	.05	--	--	--	--	--
75-07-25	.00	.38	.03	--	--	.01	--	--	--	--	--
75-08-27	.01	.35	.00	--	--	.04	--	--	--	--	--
75-09-04	.01	.22	--	--	.01	.02	--	--	--	--	--
75-09-30	.00	.46	.04	--	--	.07	--	--	--	--	--
75-09-23	.01	.22	.00	--	--	.01	.01	180	3	1.0	2.3
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)
70	402913106580400	ELK R NR MOUTH AT US 40 BRIDGE CO	107	75-09-24	0100	--	10.5
			107	75-09-24	0345	--	9.5
			107	75-09-24	0700	--	5.5
			107	75-09-24	0935	62	7.0
71	09244410	YAMPA R BL DIVERSION NR HAYDEN CO	107	75-06-09	1645	7190	8.5
			107	75-06-25	1500	4220	10.0
			107	75-07-25	0745	1260	15.0
			107	75-08-27	0730	262	14.5
			107	75-09-04	1010	110	14.0
			107	75-09-23	1100	--	--
			107	75-09-23	1343	132	11.5
			107	75-09-23	1610	--	13.0
			107	75-09-23	1850	--	13.0
			107	75-09-23	2135	--	12.0
			107	75-09-24	0100	--	11.3
			107	75-09-24	0355	--	10.0
			107	75-09-24	0640	--	9.0
			107	75-09-24	0925	--	9.0
			107	75-09-29	1230	125	10.5
72	402918107094400	SAGE CR NR HAYDEN CO	107	75-09-04	1200	2.7	18.0
			107	75-09-23	1120	--	--
			107	75-09-23	1355	1.7	17.0
			107	75-09-23	1615	--	19.5
			107	75-09-23	1905	--	17.0
			107	75-09-23	2140	--	7.0
			107	75-09-24	0117	--	15.0
			107	75-09-24	0415	--	14.0
			107	75-09-24	0702	--	14.0
			107	75-09-24	0937	--	14.8
73	402920106501900	SODA CR NR MOUTH AT STEAMBOAT SP CO	107	75-09-23	1310	--	8.5
			107	75-09-23	1330	--	--
			107	75-09-23	1635	--	11.5
			107	75-09-23	1910	--	11.0
			107	75-09-23	2155	--	9.5
			107	75-09-24	0100	--	7.5
			107	75-09-24	0405	--	6.0
			107	75-09-24	0710	--	4.5
			107	75-09-24	0955	1.6	5.5
74	09244400	YAMPA R NR HAYDEN CO	107	75-06-25	1500	4500	10.0
75	402930107174200	YAMPA R BL HAYDEN CO	107	75-09-06	1500	133	20.0

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	SUS-PENDED SEDI-MENT (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)	SUS-PENDED ORGANIC CARBON (C) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
75-09-24	7.5	7.2	160	--	--	--	--	--	--	--	--	--
75-09-24	7.2	7.0	160	--	--	--	--	--	--	--	--	--
75-09-24	--	7.8	160	--	--	--	--	--	--	--	--	--
75-09-24	--	8.4	160	--	--	--	--	--	--	--	--	--
75-06-09	--	--	80	105	--							
75-06-25	8.0	--	70	--	--	--	--	--	.34	--	.36	--
75-07-25	--	8.4	150	13	--	--	--	--	.35	--	.38	--
75-08-27	8.4	6.8	300	8	--	--	--	--	.41	--	.41	--
75-09-04	8.3	7.7	320	--	5.2	.3	--	--	--	.16	.21	.00
75-09-24	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	8.2	9.0	320	--	--	--	--	--	.21	--	.21	--
75-09-23	8.4	9.5	300	--	--	--	--	--	--	--	--	--
75-09-23	8.5	9.0	320	--	--	--	--	--	--	--	--	--
75-09-23	8.5	8.0	320	--	--	--	--	--	--	--	--	--
75-09-24	8.0	7.4	320	--	--	--	--	--	--	--	--	--
75-09-24	8.0	7.6	320	--	--	--	--	--	--	--	--	--
75-09-24	7.9	7.5	330	--	--	--	--	--	.34	--	.34	--
75-09-24	8.0	8.0	350	--	--	--	3.2	--	.32	--	.34	--
75-09-29	8.6	6.8	380	--	--	.7	--	--	--	.21	.30	.00
75-09-04	2.1	7.5	6000	--	4.8							
75-09-23	--	--	--	--	--	--	--	--	1.5	--	1.5	--
75-09-23	8.3	7.3	1650	--	--	--	--	--	1.0	--	1.0	--
75-09-23	7.7	6.8	1100	--	--	--	--	--	.84	--	.84	--
75-09-23	7.7	7.1	950	--	--	--	--	--	1.3	--	1.3	--
75-09-23	6.0	7.0	1300	--	--							
75-09-24	7.6	7.2	530	--	--	--	--	--	.64	--	.64	--
75-09-24	7.5	7.3	1200	--	--	--	--	--	.99	--	1.0	--
75-09-24	--	7.4	1050	--	--	--	--	--	.90	--	.90	--
75-09-24	7.8	7.3	1050	--	--	--	--	--	.58	--	.58	--
75-09-23	7.4	--	195	--	--	--	--	--	.14	--	.14	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	6.6	9.1	180	--	--	--	--	--	--	--	--	--
75-09-23	6.4	8.0	200	--	--	--	--	--	--	--	--	--
75-09-23	6.4	8.2	200	--	--	--	--	--	--	--	--	--
75-09-24	7.1	8.6	220	--	--	--	--	--	--	--	--	--
75-09-24	7.1	8.7	200	--	--	--	--	--	--	--	--	--
75-09-24	6.5	9.0	200	--	--	--	--	--	--	--	--	--
75-09-24	7.3	10.8	200	--	--	--	--	--	--	--	--	--
75-06-25	8.0	--	70	--	--	--	--	--	.34	--	.36	--
75-09-06	8.6	9.2	360	--	8.1	.4	--	--	--	.25	.25	.01

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	BIOCHEMICAL OXYGEN DEMAND 30 DAY (MG/L)
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-06-09	--	--	--	--	--	--	--	--	--	--	--
75-06-25	.02	.30	.02	--	--	.05	--	--	--	--	--
75-07-25	.00	.38	.03	--	--	.02	--	--	--	--	--
75-08-27	.01	.42	.00	--	--	.03	--	--	--	--	--
75-09-04	.01	.22	--	.01	.03	.03	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	10	--	--
75-09-23	.01	.22	.00	--	--	.03	.03	--	--	1.0	1.6
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	.02	.36	.00	--	--	.04	.01	--	--	1.2	4.7
75-09-29	.01	.35	.02	--	--	.05	--	--	--	6.6	--
75-09-04	.05	.35	--	--	.17	.18	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	0	0	--	--
75-09-23	.14	1.6	.00	--	--	.89	.46	--	--	1.9	--
75-09-23	.06	1.1	.00	--	--	.49	.22	--	--	2.2	9.4
75-09-23	.05	.89	.00	--	--	.34	.10	--	--	1.4	4.4
75-09-23	.08	1.4	.00	--	--	.68	.29	--	--	4.8	--
75-09-24	.08	.72	.00	--	--	.51	.23	--	--	6.0	14
75-09-24	.10	1.1	.01	--	--	.60	.27	--	--	9.7	43
75-09-24	.03	.93	.00	--	--	.43	.21	--	--	8.8	38
75-09-24	.06	.64	.00	--	--	.44	.19	--	--	1.5	--
75-09-23	.04	.18	.00	--	--	.02	.01	--	--	.6	.9
75-09-23	--	--	--	--	--	--	--	90	34	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-06-25	.02	.38	.02	--	--	.05	--	--	--	--	--
75-09-06	.01	.26	--	.01	.05	.05	--	--	--	--	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)
75	402930107174200	YAMPA R BL HAYDEN CO	107	75-09-23	1230	--	15.5
			107	75-09-23	1600	--	15.0
			107	75-09-23	1625	--	14.5
			107	75-09-23	1815	--	13.5
			107	75-09-23	1830	--	14.0
			107	75-09-23	2115	--	12.5
			107	75-09-23	2145	--	13.0
			107	75-09-23	2400	--	11.5
			107	75-09-24	0300	--	11.0
			107	75-09-24	0600	--	10.0
76	402932106564900	YAMPA R AB ELK R NR MILNER CO	107	75-09-24	0900	190	10.5
			107	75-09-24	1145	--	12.5
			107	75-08-25	1715	145	17.5
			107	75-09-23	1045	--	--
			107	75-09-23	1200	--	10.0
			107	75-09-23	1500	--	13.0
			107	75-09-23	1810	--	14.0
			107	75-09-23	2110	--	13.0
			107	75-09-23	2400	--	12.0
			107	75-09-24	0300	--	10.0
77	402934106503400	YAMPA R AB SEWAGE PLT BL STEAMBOAT SP CO	107	75-09-24	0610	--	7.5
			107	75-09-24	0900	104	8.0
			107	75-09-24	1130	--	9.0
			107	75-09-23	1335	97	12.0
			107	75-09-23	1650	--	13.5
			107	75-09-23	1925	--	12.0
			107	75-09-23	2215	--	10.0
			107	75-09-24	0125	--	9.0
			107	75-09-24	0425	--	7.5
			107	75-09-24	0725	--	7.0
78	402939107160100	DRY CR AB SEWAGE PLT AT HAYDEN CO	107	75-09-24	0935	--	--
			107	75-09-24	1020	--	8.0
			107	75-09-24	1210	--	--
			107	75-09-23	1400	--	12.0
			107	75-09-24	0015	--	11.5
79	402944106495900	BUTCHERKNIFE CR NR MOUTH AT STEAMBOAT SP CO	107	75-09-24	0330	--	10.0
			107	75-09-24	0630	--	9.0
			107	75-09-24	0930	--	8.5
			107	75-09-23	1230	.74	6.0
			107	75-09-23	1310	--	8.5

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	SUSPENDED SEDIMENT (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)	SUSPENDED ORGANIC CARBON (C) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)
75-09-23	8.8	10.6	363	--	--	--	--	--	.37	--	.38	--
75-09-23	8.7	11.5	355	--	--	--	--	--	.38	--	.38	--
75-09-23	8.2	9.2	405	--	--	--	--	--	--	--	--	--
75-09-23	8.4	10.4	360	--	--	--	--	--	.39	--	.39	--
75-09-23	7.7	8.0	410	--	--	--	--	--	--	--	--	--
75-09-23	7.6	9.1	350	--	--	--	--	--	.29	--	.29	--
75-09-23	7.0	7.3	405	--	--	--	--	--	--	--	--	--
75-09-23	7.4	8.8	352	--	--	--	--	--	.38	--	.38	--
75-09-24	7.6	7.2	365	--	--	--	--	--	.14	--	.14	--
75-09-24	--	7.0	355	--	--	--	--	--	.30	--	.30	--
75-09-24	8.2	8.4	355	--	--	--	--	--	.32	--	.32	--
75-09-24	8.4	9.8	370	--	--	--	--	--	.25	--	.25	--
75-08-25	8.8	9.0	340	--	6.9	--	--	--	--	.21	.32	.00
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	9.1	10.7	350	--	--	--	--	--	.52	--	.52	--
75-09-23	9.0	10.6	270	--	--	--	--	--	.71	--	.71	--
75-09-23	9.1	9.2	350	--	--	--	--	--	.34	--	.34	--
75-09-23	8.5	7.3	330	--	--	--	--	--	.78	--	.79	--
75-09-23	8.4	6.8	380	--	--	--	--	--	.31	--	.31	--
75-09-24	8.2	7.0	360	--	--	--	--	--	1.4	--	1.4	--
75-09-24	--	7.2	380	--	--	--	--	--	.64	--	.64	--
75-09-24	--	9.1	380	--	--	--	--	--	.46	--	.46	--
75-09-24	--	9.1	380	--	--	--	--	--	.56	--	.56	--
75-09-23	7.9	10.2	375	--	--	--	--	--	.83	--	.86	--
75-09-23	7.8	9.3	375	--	--	--	--	--	.67	--	.67	--
75-09-23	7.2	7.9	370	--	--	--	--	--	.34	--	.34	--
75-09-23	7.1	8.0	375	--	--	--	--	--	.56	--	.59	--
75-09-24	7.9	8.8	360	--	--	--	--	--	.30	--	.30	--
75-09-24	7.8	8.4	370	--	--	--	--	--	.38	--	.38	--
75-09-24	7.2	10.2	350	--	--	--	--	--	.38	--	.38	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--	--
75-09-24	8.1	10.0	370	--	--	--	--	--	.38	--	.38	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	8.3	9.5	410	--	--	--	--	--	--	--	--	--
75-09-24	7.2	7.4	398	--	--	--	--	--	--	--	--	--
75-09-24	7.3	7.2	405	--	--	--	--	--	--	--	--	--
75-09-24	7.9	7.6	382	--	--	--	--	--	--	--	--	--
75-09-24	7.9	8.2	415	--	--	--	--	--	--	--	--	--
75-09-23	8.0	9.6	105	--	--	--	--	--	.55	--	.55	--
75-09-23	7.3	--	195	--	--	--	--	--	.14	--	.14	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	BIO-CHEMI-CAL OXYGEN DEMAND 5 DAY (MG/L)	BIO-CHEMI-CAL OXYGEN DEMAND 30 DAY (MG/L)
75-09-23	.01	.39	.01	--	--	.07	.06	--	--	.8	3.6
75-09-23	.01	.39	.00	--	--	.04	.01	--	--	.5	.8
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	.01	.40	.00	--	--	.04	.01	--	--	1.1	2.2
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	.01	.30	.00	--	--	.04	.01	--	--	1.8	2.4
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	.01	.39	.00	--	--	.04	.01	--	--	1.1	1.6
75-09-24	.01	.15	.00	--	--	.04	.01	--	--	1.1	--
75-09-24	.01	.31	.00	--	--	.04	.01	--	--	1.3	--
75-09-24	.01	.33	.00	--	--	.04	.01	--	--	1.3	--
75-09-24	.01	.26	.00	--	--	.06	.02	--	--	1.1	--
75-08-25	.01	.33	--	--	.09	.07	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	92	60	--	--
75-09-23	.01	.53	.00	--	--	.07	.04	--	--	1.6	2.2
75-09-23	.02	.73	.00	--	--	.09	.05	--	--	3.8	5.2
75-09-23	.02	.36	.00	--	--	.10	.08	--	--	2.0	3.0
75-09-23	.01	.80	.01	--	--	.16	.14	--	--	2.5	5.0
75-09-23	.01	.32	.00	--	--	.14	.09	--	--	2.9	6.8
75-09-24	.02	1.4	.03	--	--	.17	.12	--	--	1.8	3.4
75-09-24	.02	.66	.00	--	--	.11	.08	--	--	2.4	7.3
75-09-24	.02	.48	.00	--	--	.10	.05	--	--	1.8	3.0
75-09-24	.01	.57	.00	--	--	.10	.07	--	--	3.2	6.5
75-09-23	.01	.87	.03	--	--	.16	.11	--	--	1.4	2.0
75-09-23	.01	.68	.00	--	--	.14	.09	--	--	3.3	6.5
75-09-23	.01	.35	.00	--	--	.11	.07	--	--	2.1	6.2
75-09-23	.02	.61	.03	--	--	.08	.05	--	--	2.0	5.0
75-09-24	.01	.31	.00	--	--	.06	.04	--	--	1.8	5.9
75-09-24	.03	.41	.00	--	--	.06	.06	--	--	4.0	5.3
75-09-24	.02	.40	.00	--	--	.05	.01	--	--	1.4	3.4
75-09-24	--	--	--	--	--	--	--	1000	86	--	--
75-09-24	.00	.38	.00	--	--	.05	.02	--	--	1.4	3.4
75-09-24	--	--	--	--	--	--	--	--	--	1.5	5.7
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-23	.02	.57	.00	--	--	.05	.03	--	--	.9	1.6
75-09-23	.04	.18	.00	--	--	.02	.01	--	--	--	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)
79	402944106495900	BUTCHERKNIFE CR NR MOUTH AT STEAMBOAT SP CO	107	75-09-23	1330	--	--
			107	75-09-23	1620	--	10.5
			107	75-09-23	1850	--	11.0
			107	75-09-23	2130	--	9.5
			107	75-09-24	0040	--	7.5
			107	75-09-24	0345	--	6.0
			107	75-09-24	0650	--	4.5
			107	75-09-24	0940	--	4.0
80	09247500	YAMPA R AT CRAIG CO	081	75-09-05	1135	E125	17.0
81	09246550	YAMPA R BL ELKHEAD CR NR CRAIG CO	081	75-06-26	0920	5900	9.5
			081	75-07-25	1015	1000	20.0
			081	75-08-27	1100	E260	17.0
			081	75-09-04	170	123	20.0
			081	75-09-29	140	--	14.0
82	402952107161500	EFFLUENT FR SEWAGE PLT AT HAYDEN CO	107	75-09-23	1345	--	13.0
			107	75-09-23	1645	--	12.0
			107	75-09-23	1930	--	12.0
			107	75-09-23	2200	--	12.0
			107	75-09-24	0100	--	11.0
			107	75-09-24	0345	--	10.5
			107	75-09-24	0645	--	10.5
			107	75-09-24	0930	.50	10.5
83	402952107161600	DRY CR BL SEWAGE PLT AT HAYDEN CO	107	75-09-23	1215	--	--
			107	75-09-23	1315	--	11.0
			107	75-09-24	0030	--	12.0
			107	75-09-24	0300	18	--
84	402958106515200	YAMPA R BL SEWAGE PLT BL STEAMBOAT SP CO	107	75-09-23	1400	99	14.0
			107	75-09-23	1710	--	14.5
			107	75-09-23	1945	--	12.0
			107	75-09-23	2235	--	10.0
			107	75-09-24	0200	--	8.5
			107	75-09-24	0450	--	7.5
			107	75-09-24	0800	--	7.0
			107	75-09-24	0940	--	--
			107	75-09-24	1040	--	9.0
85	403000106515700	EFFLUENT FR SEWAGE PLT AT STEAMBOAT SP CO	107	75-07-24	0745	--	--
			107	75-09-23	1010	--	--
			107	75-09-23	1445	1.7	14.0
			107	75-09-23	1743	--	17.0
			107	75-09-23	2030	--	15.0

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	SUSPENDED SEDIMENT (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)	SUSPENDED ORGANIC CARBON (C) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	7.0	8.5	100	--	--	--	--	--	--	--	--	--
75-09-23	7.0	8.6	100	--	--	--	--	--	--	--	--	--
75-09-23	6.9	9.0	100	--	--	--	--	--	--	--	--	--
75-09-24	8.1	9.1	100	--	--	--	--	--	--	--	--	--
75-09-24	8.0	10.2	100	--	--	--	--	--	--	--	--	--
75-09-24	7.2	9.5	100	--	--	--	--	--	--	--	--	--
75-09-24	8.2	11.1	100	--	--	--	--	--	--	--	--	--
75-09-05	8.4	8.0	370	3	5.6	--	--	--	--	.21	.34	.00
75-06-26	7.8	--	90	--	--	--	--	--	.41	--	.43	--
75-07-25	7.5	10.2	170	E12	--	--	--	--	.31	--	.34	--
75-08-27	8.5	7.6	340	E5	--	--	--	--	.34	--	.34	--
75-09-04	8.5	8.5	360	--	5.3	.4	--	--	--	.16	.25	.01
75-09-29	8.7	7.2	400	--	--	--	3.7	--	.34	--	.37	--
75-09-23	7.5	.4	655	--	--	--	--	--	2.0	--	13	--
75-09-23	7.4	.2	800	--	--	--	--	--	--	--	--	--
75-09-23	7.0	.2	810	--	--	--	--	--	--	--	--	--
75-09-23	6.8	.1	790	--	--	--	--	--	--	--	--	--
75-09-24	7.2	.1	790	--	--	--	--	--	1.0	--	11	--
75-09-24	7.3	.1	800	--	--	--	--	--	--	--	--	--
75-09-24	7.1	.1	790	--	--	--	--	--	--	--	--	--
75-09-24	7.4	.1	825	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	.67	--	.89	--
75-09-23	8.2	9.4	430	--	--	--	--	--	.62	--	.93	--
75-09-24	7.2	7.1	420	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	1.4	--	2.8	--
75-09-23	8.7	9.4	375	--	--	--	--	--	1.8	--	3.3	--
75-09-23	8.2	10.2	370	--	--	--	--	--	1.4	--	3.1	--
75-09-23	7.6	7.9	370	--	--	--	--	--	1.5	--	3.3	--
75-09-23	7.3	7.8	380	--	--	--	--	--	1.3	--	3.4	--
75-09-24	8.0	11.1	380	--	--	--	--	--	1.2	--	3.1	--
75-09-24	7.7	13.2	380	--	--	--	--	--	1.4	--	3.4	--
75-09-24	7.2	9.6	380	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	1.7	--	3.5	--
75-09-24	8.3	11.2	360	--	--	--	--	--	1.4	--	0.2	--
75-07-24	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	5.0	--	13	--
75-09-23	8.5	16.0	380	--	--	--	--	--	6.2	--	14	--
75-09-23	8.7	11.4	320	--	--	--	--	--	6.6	--	14	--
75-09-23	8.0	5.0	360	--	--	--	--	--				

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	IMMF-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND 30 DAY (MG/L)
75-09-23	--	--	--	--	--	--	--	3200	0	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-05	.01	.35	--	.00	.00	.01	--	--	--	--	--
75-06-26	.03	.46	.02	--	--	.07	--	--	--	--	--
75-07-25	.00	.34	.03	--	--	.00	--	--	--	--	--
75-08-27	.01	.35	.00	--	--	.02	--	--	--	--	--
75-09-04	.01	.26	--	--	.01	.01	--	--	--	--	--
75-09-29	.03	.40	.03	--	--	.04	--	--	--	1.6	--
75-09-23	.05	13	11	--	--	4.2	3.2	--	--	3.8	29
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	.04	11	10	--	--	3.9	3.4	53000	4400	4.2	5.8
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	210	178	--	--
75-09-23	.03	.92	.22	--	--	.19	.14	--	--	2.4	10
75-09-24	.04	.97	.31	--	--	.23	.16	--	--	1.5	3.7
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-23	.11	2.9	1.4	--	--	.85	.62	--	--	3.6	19
75-09-23	.14	3.4	1.5	--	--	.92	.71	--	--	5.4	13
75-09-23	.15	3.3	1.7	--	--	.99	.73	--	--	7.2	22
75-09-23	.14	3.4	1.8	--	--	.92	.68	--	--	4.6	19
75-09-24	.09	3.5	2.1	--	--	.98	.69	--	--	4.1	15
75-09-24	.09	3.2	1.9	--	--	.89	.65	--	--	5.2	19
75-09-24	.09	3.5	2.0	--	--	.94	.66	--	--	3.2	9.2
75-09-24	--	--	--	--	--	--	--	4900	460	--	--
75-09-24	.17	3.7	1.8	--	--	.99	.74	--	--	3.3	12
75-07-24	.39	9.6	7.8	--	--	3.5	2.8	--	--	--	--
75-09-23	--	--	--	--	--	--	--	21000	1000	--	--
75-09-23	.43	13	8.0	--	--	3.9	2.8	--	--	7.4	18
75-09-23	.41	14	7.8	--	--	3.9	2.7	--	--	--	--
75-09-23	.39	14	8.4	--	--	3.7	2.8	--	--	16	32

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)
85	403000106515700	EFFLUENT FR SEWAGE PLT AT STEAMBOAT SP CO	107	75-09-23	2330	--	10.0
			107	75-09-24	0145	--	18.0
			107	75-09-24	0445	--	11.0
			107	75-09-24	0745	--	11.0
			107	75-09-24	1045	--	10.0
86	403002106545500	YAMPA R BL SEWAGE PLT 2 AT STEAMBOAT SP CO	107	75-09-23	1115	--	--
			107	75-09-23	1530	--	13.0
			107	75-09-23	1400	--	14.0
			107	75-09-23	2040	--	13.0
			107	75-09-23	2330	--	11.0
87	403004106544700	EFFLUENT FR SEWAGE PLT 2 AT STEAMBOAT SP CO	107	75-09-24	0315	--	8.5
			107	75-09-24	0600	--	7.5
			107	75-09-24	0855	--	7.0
			107	75-09-24	1140	94	9.0
			107	75-09-23	0915	--	12.0
88	403006107154800	YAMPA R AT HAYDEN CO	107	75-09-23	1040	--	--
			107	75-09-23	1540	--	--
			107	75-09-23	1630	--	22.0
			107	75-09-23	1840	--	16.0
			107	75-09-23	2115	--	12.0
			107	75-09-23	--	--	--
			107	75-09-24	0315	.12	20.0
			107	75-09-24	0615	--	12.0
			107	75-09-24	0915	--	8.0
			107	75-09-24	0950	--	12.0
			107	75-09-24	1140	--	12.0
			107	75-09-24	1215	--	10.7
			107	75-09-05	1415	112	17.5
			107	75-09-23	1330	--	--
			107	75-09-23	1415	--	14.0
89	09251000	YAMPA R NR MAYBELL CO	107	75-09-23	1730	169	15.0
			107	75-09-23	2000	--	14.0
			107	75-09-23	2230	--	12.5
			107	75-09-24	0130	--	11.5
			107	75-09-24	0400	--	10.5
			107	75-09-24	0700	--	9.0
			107	75-09-24	1000	--	10.5
			081	74-12-09	1115	124	1.5
			081	75-01-22	1300	320	.5
			081	75-02-11	1330	302	1.0

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	SUS-PENDED SEDI-MENT (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)	SUS-PENDED ORGANIC CARBON (C) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
75-09-23	7.6	8.6	400	--	--	--	--	--	4.9	--	13	--
75-09-24	7.6	8.4	300	--	--	--	--	--	5.2	--	13	--
75-09-24	7.2	7.8	380	--	--	--	--	--	4.3	--	12	--
75-09-24	7.3	6.9	380	--	--	--	--	--	1.4	--	9.2	--
75-09-24	7.3	8.2	410	--	--	--	--	--	5.9	--	14	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	8.9	11.4	360	--	--	--	--	--	.38	--	.38	--
75-09-23	8.4	10.4	360	--	--	--	--	--	.41	--	.41	--
75-09-23	8.3	7.8	370	--	--	--	--	--	4.6	--	4.7	--
75-09-23	7.5	7.2	380	--	--	--	--	--	.59	--	.59	--
75-09-24	8.1	9.6	380	--	--	--	--	--	.60	--	.63	--
75-09-24	7.8	8.0	380	--	--	--	--	--	.42	--	.42	--
75-09-24	8.0	9.4	370	--	--	--	--	--	.40	--	.40	--
75-09-24	8.2	9.9	360	--	--	--	--	--	.39	--	.39	--
75-09-23	7.5	.6	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	7.2	4.2	700	--	--	--	--	--	--	--	--	--
75-09-23	7.2	4.7	750	--	--	--	--	--	5.1	--	5.2	--
75-09-23	7.5	4.2	850	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-24	7.5	5.6	850	--	--	--	--	--	--	--	--	--
75-09-24	7.1	5.5	750	--	--	--	--	--	--	--	--	--
75-09-24	7.4	6.2	900	--	--	--	--	--	--	--	--	--
75-09-24	7.6	1.0	--	--	--	--	--	--	--	--	--	--
75-09-24	7.5	1.0	--	--	--	--	--	--	4.4	--	4.4	--
75-09-24	7.4	4.8	825	--	--	--	--	--	--	--	--	--
75-09-05	8.4	8.4	340	--	9.5	--	--	--	--	.38	.30	.00
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	8.2	9.9	335	--	--	--	--	--	.28	--	.28	--
75-09-23	8.4	9.3	350	--	--	--	--	--	--	--	--	--
75-09-23	7.7	8.4	335	--	--	--	--	--	--	--	--	--
75-09-23	7.4	8.0	330	--	--	--	--	--	--	--	--	--
75-09-24	7.4	7.8	330	--	--	--	--	--	.33	--	.33	--
75-09-24	7.7	7.7	335	--	--	--	--	--	--	--	--	--
75-09-24	7.6	7.6	325	--	--	--	--	--	--	--	--	--
75-09-24	8.1	8.6	340	--	--	--	--	--	--	--	--	--
74-12-09	8.9	--	640	--	--	--	4.5	--	--	--	.52	--
75-01-22	9.1	9.7	640	--	--	--	--	--	--	--	.56	--
75-02-11	7.3	9.4	600	--	--	--	5.9	--	--	--	.44	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	IMMF-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND 30 DAY (MG/L)
75-09-23	.42	13	8.1	--	--	3.9	2.8	--	--	12	32
75-09-24	.39	13	7.8	--	--	3.6	2.8	--	--	12	43
75-09-24	.38	12	7.7	--	--	3.4	2.7	--	--	12	29
75-09-24	.39	9.6	7.8	--	--	3.5	2.8	--	--	12	27
75-09-24	.34	14	8.1	--	--	3.9	2.8	--	--	16	39
75-09-23	--	--	--	--	--	--	--	330	130	--	--
75-09-23	.01	.39	.00	--	--	.09	.05	--	--	1.4	2.0
75-09-23	.02	.43	.00	--	--	.12	.09	--	--	1.9	4.6
75-09-23	.01	4.7	.08	--	--	.24	.02	--	--	2.7	7.6
75-09-23	.02	.61	.00	--	--	.16	.10	--	--	2.2	4.9
75-09-24	.02	.65	.03	--	--	.13	.10	--	--	1.8	5.0
75-09-24	.02	.44	.00	--	--	.11	.07	--	--	1.6	13
75-09-24	.05	.45	.00	--	--	.10	.06	--	--	1.4	3.7
75-09-24	.01	.40	.00	--	--	.09	.05	--	--	1.3	2.5
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	1100000	58000	--	--
75-09-23	--	--	--	--	--	--	--	--	--	14	25
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	4.7	9.9	.08	--	--	10	8.6	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	45	127
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	4.5	8.9	.00	--	--	11	9.1	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-05	.00	.30	--	--	.01	.02	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	.01	.29	.00	--	--	.02	.00	--	--	2.4	3.8
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	.01	.34	.00	--	--	.03	.00	--	--	3.6	4.9
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
74-12-09	.03	.55	--	--	--	.07	--	--	--	--	--
75-01-22	.47	1.0	--	--	--	.05	--	20	81	--	--
75-02-11	.52	.96	--	--	--	.05	--	20	<1	--	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)
89	09251000	YAMPA R NR MAYBELL CO	081	75-03-17	1330	479	.5
			081	75-05-13	1100	4150	13.0
			081	75-06-10	1045	11000	10.0
			081	75-08-12	1145	470	21.0
			081	75-08-26	1715	340	21.0
90	403014106523300	EFFLUENT FR SEWAGE PLT AT KOA CAMP CO	081	75-09-16	1030	224	15.0
			107	75-09-23	1000	--	--
			107	75-09-23	1020	--	10.0
			107	75-09-23	1525	--	17.0
			107	75-09-23	1800	--	15.0
			107	75-09-23	2045	--	11.0
			107	75-09-23	2345	--	8.0
			107	75-09-23	--	--	--
			107	75-09-24	0215	--	8.0
			107	75-09-24	0515	--	12.0
91	403017106524900	EFFLUENT FR SEWAGE PLT AT SLEEPY BEAR TP CO	107	75-09-24	0815	--	8.0
			107	75-09-24	1015	--	10.0
			107	75-09-24	1115	.01	10.0
			107	75-09-23	0950	.03	14.0
			107	75-09-23	1030	--	--
			107	75-09-23	1530	--	16.0
			107	75-09-23	1825	--	14.0
			107	75-09-23	2100	--	12.0
			107	75-09-23	2400	.01	8.0
			107	75-09-23	--	--	--
92	403017106525800	YAMPA R BL KOA CAMP NR STEAMBOAT SP CO	107	75-09-24	0245	--	9.0
			107	75-09-24	0545	--	13.0
			107	75-09-24	0845	--	9.0
			107	75-09-24	1050	.02	14.0
			107	75-09-24	1145	--	11.5
			107	75-09-23	1430	--	--
			107	75-09-23	1500	--	13.5
			107	75-09-23	1550	--	--
			107	75-09-23	1730	104	14.0
			107	75-09-23	1920	--	--
			107	75-09-23	2015	--	12.0
			107	75-09-23	2200	--	--
			107	75-09-23	2305	--	10.0
			107	75-09-24	0045	--	--
			107	75-09-24	0245	--	8.5

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	SUS-PENDED SEDI-MENT (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)	SUS-PENDED ORGANIC CARBON (C) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
75-03-17	8.8	9.0	720	--	--	--	--	--	--	--	.54	--
75-05-13	7.5	--	320	588	--	--	--	--	--	--	1.2	--
75-06-10	8.3	8.1	144	361	--	--	15	--	--	--	.54	--
75-08-12	--	8.6	400	12	--	--	--	--	--	--	--	--
75-08-26	8.8	8.2	325	7	31	.2	--	--	--	.30	.25	.00
75-09-16	8.1	6.8	600	2	--	--	--	--	--	--	.57	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	8.2	6.8	--	--	--	--	--	--	--	--	--	--
75-09-23	8.1	12.4	660	--	--	--	--	--	4.3	--	4.5	--
75-09-23	8.8	8.4	610	--	--	--	--	--	--	--	--	--
75-09-23	8.2	7.4	160	--	--	--	--	--	--	--	--	--
75-09-23	8.1	6.8	800	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-24	7.5	6.8	750	--	--	--	--	--	--	--	--	--
75-09-24	7.3	5.6	700	--	--	--	--	--	--	--	--	--
75-09-24	7.6	6.6	800	--	--	--	--	--	--	--	--	--
75-09-24	8.1	6.4	--	--	--	--	--	--	--	--	--	--
75-09-24	7.4	7.6	800	--	--	--	--	--	--	--	--	--
75-09-23	7.5	2.1	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	7.5	1.2	850	--	--	--	--	--	7.3	--	12	--
75-09-23	7.5	1.0	1100	--	--	--	--	--	--	--	--	--
75-09-23	7.3	1.0	1100	--	--	--	--	--	--	--	--	--
75-09-23	7.5	2.6	1200	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-24	7.7	2.6	1150	--	--	--	--	--	--	--	--	--
75-09-24	7.2	3.5	1000	--	--	--	--	--	--	--	--	--
75-09-24	7.4	3.1	1125	--	--	--	--	--	--	--	--	--
75-09-24	7.9	2.9	--	--	--	--	--	--	--	--	--	--
75-09-24	7.2	4.4	1000	--	--	--	--	--	.30	--	2.7	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	8.9	11.6	370	--	--	--	--	--	.43	--	.43	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	8.4	9.6	370	--	--	--	--	--	.52	--	.52	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	7.4	7.8	370	--	--	--	--	--	.67	--	.67	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--	--
75-09-23	7.2	7.4	375	--	--	--	--	--	.52	--	.55	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--	--
75-09-24	8.0	7.6	370	--	--	--	--	--	.31	--	.38	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND 30 DAY (MG/L)
75-03-17	.63	1.2	--	--	--	.09	--	--	--	--	--
75-05-13	.[illegible]	1.6	--	--	--	.45	--	880	--	--	--
75-06-10	.14	.68	--	--	--	.13	--	--	170	--	--
75-08-12	--	--	--	--	--	--	--	875	25	--	--
75-08-26	.01	.26	--	--	.00	.00	--	--	--	--	--
75-09-16	.02	.59	--	--	--	.02	--	B1200	B13	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	24	29	.16	--	--	11	14	--	--	10	20
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	11	19
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	270000	20000	--	--
75-09-23	2.4	14	4.7	--	--	28	11	--	--	71	112
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	29	56
75-09-23	--	--	--	--	--	--	--	--	--		
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	4.7	7.4	2.4	--	--	B.7	3.6	--	--	--	--
75-09-23	--	--	--	--	--	--	--	240	BB	--	--
75-09-23	.03	.46	.00	--	--	.18	.13	--	--	2.1	3.2
75-09-23	--	--	--	--	--	--	--	420	94	--	--
75-09-23	.04	.56	.00	--	--	.18	.14	--	--	2.4	9.0
75-09-23	--	--	--	--	--	--	--	380	180	--	--
75-09-23	.05	.72	.00	--	--	.18	.07	--	--	2.8	7.[illegible]
75-09-23	--	--	--	--	--	--	--	1200	370	--	[illegible]
75-09-23	.05	.60	.03	--	--	.16	.10	--	--	2.2	[illegible]
75-09-24	--	--	--	--	--	--	--	B30	220	--	--
75-09-24	.04	.42	.07	--	--	.10	.11	--	--	2.9	B.4

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)
92	403017106525800	YAMPA R BL KOA CAMP NR STEAMBOAT SP CO	107	75-09-24	0525	--	7.0
			107	75-09-24	0825	--	6.5
			107	75-09-24	0950	--	--
			107	75-09-24	1110	--	9.0
93	403038107321800	FORTIFICATION CR BL CRAIG CO	081	75-09-05	1030	E1.2	14.0
94	403051107124500	YAMPA R BL MORGAN CR NR HAYDEN CO	107	75-09-23	1500	148	14.0
			107	75-09-23	1745	--	14.5
			107	75-09-23	2030	--	13.5
			107	75-09-23	2315	--	12.0
			107	75-09-24	0200	--	11.0
			107	75-09-24	0400	--	10.0
			107	75-09-24	0800	--	9.0
			107	75-09-24	1050	--	--
			107	75-09-24	1100	--	10.5
95	09242500	ELK R NR TRULL CO	107	75-08-27	1715	126	15.5
96	09246500	ELKHEAD CR NR CRAIG CO	081	75-09-05	1305	E.10	19.5
97	09260000	L SNAKE R NR LILY CO	081	74-12-09	1300	90	.5
			081	75-01-22	1130	--	.5
			081	75-02-12	1330	--	.0
			081	75-03-17	1300	275	3.0
			081	75-05-12	1400	10	11.0
			081	75-06-12	1230	2770	11.0
			081	75-06-12	1245	2770	--
			081	75-08-13	1100	72	19.0
			081	75-08-26	1545	58	25.5
			081	75-08-27	1330	92	--
			081	75-09-17	1230	66	14.0
98	403251107314200	FORTIFICATION CR AB CRAIG CO	081	75-09-05	0920	1.2	11.0
99	403530107191300	ELKHEAD CR AB ELKHEAD RESERVOIR CO	107	75-09-06	1245	1.7	17.5
100	09245000	ELKHEAD CR NR ELKHEAD CO	107	75-06-11	1045	283	17.0
			107	75-09-06	1110	2.0	11.0
			107	75-06-25	1100	1640	5.5
101	09241000	ELK R AT CLARK CO	107	75-08-27	1200	110	11.0
			107	75-08-27	1015	97	9.0
102	404506106492800	ELK R BL S FK AT HINMAN PEAK CO	107	75-09-03	1415	1.7	15.5
103	404610106545600	BEAVER CR NR HAHNS PEAK CO	107	75-09-03	1625	E.01	18.0
			107	75-09-03	1720	.06	14.5
104	404756106555100	WAYS GL AT HAHNS PEAK CO	107	75-08-25	1720	E.40	10.0
105	404845106571400	DEEP CR AT HAHNS PEAK CO	107	75-08-25	1620	E.20	13.0
106	405200106575800	INDEPENDENCE CR NR COLUMBINE CO	081	75-06-10	1030	28	22.0
107	405340106543400	KING SOLOMON CR TRIB NR COLUMBINE CO					
108	09258000	WILLOW CR NR DIXON WY					

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	SUS-PENDED SEDI-MENT (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)	SUS-PENDED ORGANIC CARBON (C) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
75-09-24	7.4	8.6	380	--	--	--	--	--	.48	--	.50	--
75-09-24	8.2	10.8	360	--	--	--	--	--	.42	--	.42	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--	--
75-09-24	8.5	11.2	370	--	--	--	--	--	.41	--	.41	--
75-09-05	8.0	6.3	1150	30	14	--	--	--	--	.43	.34	.01
75-09-23	8.4	9.7	340	--	--	--	--	--	.21	--	.21	--
75-09-23	8.2	9.4	342	--	--	--	--	--	--	--	--	--
75-09-23	7.5	8.3	330	--	--	--	--	--	--	--	--	--
75-09-23	7.3	7.8	315	--	--	--	--	--	--	--	--	--
75-09-24	7.3	7.5	320	--	--	--	--	--	.36	--	.36	--
75-09-24	7.7	7.6	320	--	--	--	--	--	--	--	--	--
75-09-24	7.5	7.3	330	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--	--
75-09-24	7.9	8.2	358	--	--	--	--	--	--	--	--	--
75-08-27	8.4	7.7	100	3	3.8	--	--	--	--	.12	.21	.01
75-09-05	8.1	7.1	600	--	7.6	.6	--	--	--	.34	.43	.00
74-12-09	8.4	10.9	740	--	--	--	--	--	--	--	--	.05
75-01-22	8.2	--	655	--	--	--	--	--	--	--	.42	--
75-02-12	7.6	--	540	--	--	--	4.3	--	--	--	.30	--
75-03-17	--	--	550	--	--	--	--	--	--	--	.84	--
75-05-12	7.5	--	435	2680	--	--	--	--	--	--	1.4	--
75-06-12	8.3	--	175	2080	--	--	7.0	--	--	--	.60	--
75-06-12	--	--	--	2080	--	--	--	--	--	--	--	--
75-08-13	8.1	7.3	675	207	--	--	--	--	--	--	.25	--
75-08-26	8.6	6.8	860	55	8.4	.3	--	--	--	.30	.30	.01
75-08-27	--	--	--	--	--	--	--	--	--	--	--	--
75-09-17	--	8.2	1190	4560	--	--	11	--	--	--	2.6	--
75-09-05	7.9	8.9	1150	--	7.1	--	--	--	--	.25	.25	.23
75-09-06	8.4	4.7	400	--	16	.7	--	--	--	.34	.34	.00
75-06-11	--	--	180	134	--	--	--	--	--	--	--	--
75-09-06	8.3	8.8	245	--	8.5	.6	--	--	--	.34	.52	.00
75-06-25	--	--	150	27	--	--	--	--	--	--	--	--
75-08-27	8.0	8.1	65	--	12	.1	--	--	--	.08	.08	.00
75-06-27	7.2	8.8	50	--	2.0	--	--	--	--	.12	.10	.02
75-09-03	8.0	7.1	140	--	10	--	--	--	--	.19	.34	.01
75-09-03	7.5	6.9	280	--	5.8	.2	--	--	--	.21	.30	.01
75-09-03	8.2	8.4	225	--	3.2	.2	--	--	--	.21	.16	.01
75-08-25	8.1	7.5	215	--	9.2	.2	--	--	--	.21	.21	.01
75-08-25	7.9	7.7	92	--	6.0	.4	--	--	--	.16	.21	.01
75-06-10	--	--	110	191	--	--	--	--	--	--	--	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	IMMF-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND 30 DAY (MG/L)
75-09-24	.04	.54	.02	--	--	.12	.08	1800	160	1.8	6.8
75-09-24	.04	.46	.00	--	--	.10	.06	3500	92	1.6	12
75-09-24	--	--	--	--	--	--	--	2600	90	--	--
75-09-24	.04	.45	.00	--	--	.11	.06	--	--	1.5	7.8
75-09-05	.01	.35	--	.00	.00	.02	--	--	--	--	--
75-09-23	.01	.22	.00	--	--	.02	.01	--	--	2.7	4.4
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-23	--	--	--	--	--	--	--	--	--	--	--
75-09-24	.01	.37	.00	--	--	.04	.01	--	--	2.3	3.6
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-09-24	--	--	--	--	--	--	--	--	--	--	--
75-08-27	.02	.23	--	.01	.01	.00	--	--	--	--	--
75-09-05	.02	.45	--	.00	.02	.03	--	--	--	--	--
74-12-09	--	--	--	.01	--	--	--	--	--	--	--
75-01-22	.14	.56	--	--	--	.04	--	A15	<1	--	--
75-02-12	.14	.44	--	--	--	.02	--	A10	B1	--	--
75-03-17	.09	.93	--	--	--	.48	--	--	--	--	--
75-05-12	.09	1.5	--	--	--	.56	--	--	B60	--	--
75-06-12	.03	.63	--	--	--	.20	--	--	--	--	--
75-06-12	--	--	--	--	--	--	--	--	--	--	--
75-08-13	.01	.26	--	--	--	.02	--	A10	<1	--	--
75-08-26	.01	.31	--	--	.00	.04	--	--	--	--	--
75-08-27	--	--	--	--	--	--	--	--	--	--	--
75-09-17	.40	3.0	--	--	--	2.7	--	B2000	350	--	--
75-09-05	.23	.48	--	--	.01	.01	--	--	--	--	--
75-09-06	.01	.35	--	--	.02	.02	--	--	--	--	--
75-06-11	--	--	--	--	--	--	--	--	--	--	--
75-09-06	.00	.52	--	.01	.01	.02	--	--	--	--	--
75-06-25	--	--	--	--	--	--	--	--	--	--	--
75-08-27	.01	.09	--	.00	.01	.03	--	--	--	--	--
75-08-27	.02	.12	--	--	.01	.03	--	--	--	--	--
75-09-03	.01	.35	--	--	.02	.04	--	--	--	--	--
75-09-03	.01	.31	--	--	.01	.03	--	--	--	--	--
75-09-03	.01	.17	--	--	.01	.03	--	--	--	--	--
75-08-25	.02	.23	--	--	.06	.04	--	--	--	--	--
75-08-25	.01	.22	--	--	.05	.08	--	--	--	--	--
75-06-10	--	--	--	--	--	--	--	--	--	--	--

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)
108	09258000	WILLOW CR NR DIXON WY	081	75-08-28	1525	2.6	17.5
109	09255000	SLATER FK NR SLATER CO	081	75-06-10	1400	406	--
			081	75-08-29	1730	11	18.5
110	405855106543500	WHISKEY CR AB WHISKEY PARK NR COLUMBINE CO	107	75-08-25	1500	E.20	9.5
111	405937107462500	L SNAKE R AB THORNBURGH GL NR BAGGS WY	081	75-08-29	1330	E15	18.5
112	09253000	L SNAKE R NR SLATER CO	107	75-06-10	1600	1350	12.0
			107	75-08-30	1800	25	19.5
113	09259700	L SNAKE R NR BAGGS WY	037	75-04-22	1100	438	6.0
			037	75-05-28	1500	3190	6.0
			037	75-06-24	1130	2300	10.5
			037	75-08-29	1115	1.4	15.5
			037	75-09-16	0945	4.5	15.0
114	09253500	BATTLE CR AT SLATER CO	007	75-08-30	1630	12	19.5
115	09256500	SAVERY CR AT SAVERY WY	007	75-08-29	1600	6.7	20.0
116	09257000	L SNAKE R NR DIXON WY	007	75-04-22	0930	438	6.0
			007	75-05-28	1500	3190	6.0
			007	75-06-17	1630	3100	7.5
			007	75-06-24	1130	2300	10.5
			007	75-07-15	1530	498	19.5
			007	75-08-05	1200	.46	20.0
			007	75-08-28	1700	E2.5	19.5
			007	75-09-16	0945	4.5	15.0
117	09256000	SAVERY CR NR SAVERY WY	007	75-08-30	1515	E13	20.0
118	09255500	SAVERY CR AT UPPER STATION NR SAVERY WY	007	75-08-30	1230	18	16.0
119	412613107452100	MUDDY CR BL SULPHUR WY	007	75-08-28	1135	2.2	15.0

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	SUSPENDED SEDIMENT (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)	SUSPENDED ORGANIC CARBON (C) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)
75-08-28	8.3	7.9	135	--	8.5	.3	--	--	--	.25	.30	.00
75-06-10	--	--	--	256	--	--	--	--	--	--	--	--
75-08-29	8.9	8.8	285	--	6.2	.2	--	--	--	.34	.28	.01
75-08-25	7.6	8.0	75	--	22	.2	--	--	--	.16	.12	.00
75-08-29	8.4	8.9	615	--	33	.2	--	--	--	.38	.47	.02
75-06-10	--	--	120	156	--	--	--	--	--	--	--	--
75-08-30	9.8	8.0	180	2	9.0	.2	--	--	--	.21	.21	.01
75-04-22	--	--	--	--	--	--	--	--	--	--	--	--
75-05-28	--	--	--	--	--	--	--	--	--	--	--	--
75-06-24	--	--	--	--	--	--	--	--	--	--	--	--
75-08-29	8.5	8.8	845	--	12	.2	--	--	--	.30	.38	.01
75-09-16	--	--	--	--	--	--	--	--	--	--	--	--
75-06-30	8.4	7.2	135	--	8.5	.2	--	--	--	.15	.22	.01
75-08-29	8.7	8.6	410	--	6.8	.2	--	--	--	.08	.30	.01
75-04-22	--	--	--	294	--	--	--	--	--	--	--	--
75-05-28	--	--	--	225	--	--	--	--	--	--	--	--
75-06-17	--	--	--	151	--	--	--	--	--	--	--	--
75-06-24	--	--	--	114	--	--	--	--	--	--	--	--
75-07-15	--	--	--	93	--	--	--	--	--	--	--	--
75-08-05	--	--	--	12	--	--	--	--	--	--	--	--
75-08-28	8.4	8.6	440	--	8.8	.2	--	--	--	.23	.30	.00
75-09-16	--	--	--	8	--	--	--	--	--	--	--	--
75-08-30	8.6	7.8	370	--	5.6	.2	--	--	--	.12	.16	.01
75-08-30	8.5	8.6	390	--	11	.3	--	--	--	.21	.19	.01
75-08-28	8.6	9.2	850	--	8.4	.2	--	--	--	.30	.30	.00

Table 1.--*Laboratory analyses of nutrients and bacteria and selected physical data for streams*--Continued

DATE OF SAMPLE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND 30 DAY (MG/L)
75-08-28	.01	.31	--	.01	.05	.08	--	--	--	--	--
75-06-10	--	--	--	--	--	--	--	--	--	--	--
75-08-29	.01	.29	--	.00	.00	.02	--	--	--	--	--
75-08-25	.00	.12	--	--	.02	.02	--	--	--	--	--
75-08-29	.02	.49	--	--	.00	.02	--	--	--	--	--
75-06-10	--	--	--	--	--	--	--	--	--	--	--
75-08-30	.01	.22	--	.01	.01	.02	--	--	--	--	--
75-04-22	--	--	--	--	--	.04	--	--	--	--	--
75-05-28	--	--	--	--	--	.05	--	--	--	--	--
75-06-24	--	--	--	--	--	.02	--	--	--	--	--
75-08-29	.02	.40	--	--	.00	.02	--	--	--	--	--
75-09-16	--	--	--	--	--	.03	--	--	--	--	--
75-08-30	.01	.23	--	--	.00	.01	--	--	--	--	--
75-08-29	.01	.31	--	.00	.00	.02	--	--	--	--	--
75-04-22	--	--	--	--	--	--	--	--	--	--	--
75-05-28	--	--	--	--	--	--	--	--	--	--	--
75-06-17	--	--	--	--	--	--	--	--	--	--	--
75-06-24	--	--	--	--	--	--	--	--	--	--	--
75-07-15	--	--	--	--	--	--	--	--	--	--	--
75-08-05	--	--	--	--	--	--	--	--	--	--	--
75-08-28	.01	.31	--	.00	.00	.02	--	--	--	--	--
75-09-16	--	--	--	--	--	--	--	--	--	--	--
75-08-30	.01	.17	--	--	.00	.02	--	--	--	--	--
75-08-30	.02	.21	--	.04	.03	.06	--	--	--	--	--
75-08-28	.01	.31	--	--	.00	.02	--	--	--	--	--

Table 2.--*Laboratory analyses of common chemical constituents for streams*

EXPLANATION OF HEADING INFORMATION

UNITS:

MG/L	= MILLIGRAMS PER LITER
UG/L	= MICROGRAMS PER LITER
MICROMHOS	= MICROMHOS PER CENTIMETER AT 25° CELSIUS

Table 2.--*Laboratory analyses of common chemical constituents for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)
1	09304200	WHITE R AB COAL CR NR MEEKER CO	74-11-11	16	380	0	55
			74-12-19	17	10	10	60
			75-03-17	16	20	10	62
			75-06-09	10	100	0	33
2	09304800	WHITE R BL MEEKER CO	74-12-19	15	--	--	66
			75-03-17	15	--	--	75
			75-06-09	10	--	--	39
			75-08-13	16	60	--	73
			75-09-10	16	50	20	80
5	400612106524800	CHIMNEY CR AT TRAPPER CO	75-08-28	18	30	30	76
7	09243000	TROUT CR NR PHIPPSBURG CO	75-08-27	15	30	0	13
9	09250000	MILK CR NR THORNBURGH CO	75-09-02	11	0	80	110
11	401348107520200	UNNAMED TRIB TO WILSON CR NR AXIAL CO	75-05-26	11	40	40	63
12	401348107530200	WILSON CR AB E FK WILSON CR NR AXIAL CO	74-11-25	14	10	140	93
15	401459107470800	GOOD SPRING CR AB ELKHORN CR NR AXIAL CO	74-11-25	11	20	130	120
			75-05-26	11	30	30	95
17	401542107481300	UNNAMED TRIB TO GOOD SPRING CR NR AXIAL CO	75-05-26	16	20	0	88
18	401544107471800	GOOD SPRING CR NR STREETER MINE AB AXIAL CO	75-05-26	15	40	70	110
21	401623107493400	TAYLOR CR AB MOUTH NR AXIAL CO	75-05-26	13	30	10	76
23	09250400	GOOD SPRING CR AT AXIAL CO	74-11-25	11	390	180	130
			75-05-26	10	50	30	100
25	401741106574600	OAK CR AB ROUTT CO	75-08-27	13	40	220	90
26	09249000	E FK WILLIAMS FK NR PAGODA CO	75-09-03	13	20	0	26
27	09250610	JUBB CR NR AXIAL CO	75-07-30	14	90	0	85
			75-09-01	12	40	10	80
			75-09-17	14	70	10	84
28	09250510	TAYLOR CR AT MOUTH NR AXIAL CO	75-07-03	6.8	10	0	65
			75-09-01	8.1	20	20	62
			75-09-17	9.6	50	0	57
29	401851107475700	TAYLOR CR NR AXIAL CO	74-11-25	14	20	150	110
30	09250600	WILSON CR NR AXIAL CO	75-05-26	11	40	30	70
			75-07-03	--	50	30	84
			75-09-01	14	30	60	110
			75-09-17	14	30	60	120
31	401857107243500	S FK WILLIAMS FK AT MOUTH NR PAGODA CO	75-09-03	9.7	10	40	59
34	09244100	FISH CR NR MILNER CO	75-09-02	9.1	20	20	75
37	402154107453100	MILK CR NR MOUTH NR AXIAL CO	75-09-01	17	0	10	72
38	402221107365200	WILLIAMS FK BL MORAPOS CR AT HAMILTON CO	75-09-03	10	20	20	37
42	09238300	N FK WALTON CR NR RABBIT EARS PASS CO	75-08-27	9.5	180	0	2.8
43	402356106500000	YAMPA R AB OAK CR NR STREAMBOAT SP CO	75-08-29	16	30	30	36

Table 2.--*Laboratory analyses of common chemical constituents for streams*--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)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)
74-11-11	11	4.2	1.1	123	6	79	2.0	.1	--	236	180	390
74-12-19	11	4.2	1.8	135	0	85	3.2	.1	--	250	200	--
75-03-17	11	6.1	1.1	139	0	91	2.4	.2	--	259	200	400
75-06-09	6.3	2.7	1.1	104	0	23	1.7	.1	--	130	110	200
74-12-19	16	30	1.3	159	0	120	33	--	--	360	230	--
75-03-17	24	39	2.0	174	0	180	38	--	--	459	290	740
75-06-09	8.7	7.7	1.3	116	0	38	5.7	--	--	168	130	290
75-09-13	21	32	2.0	211	0	130	26	.3	--	404	270	600
75-09-10	24	36	2.3	217	0	150	32	.2	50	448	300	625
75-08-28	22	14	3.2	196	0	140	2.2	.2	--	372	280	560
75-08-27	4.2	2.0	.5	65	0	1.8	.8	.1	--	70	50	110
75-09-02	56	33	4.1	352	0	250	7.4	.3	--	646	510	950
75-05-26	31	54	4.7	235	0	100	71	.3	--	454	290	740
74-11-25	50	130	5.4	426	--	180	110	.3	--	794	440	1300
74-11-25	120	50	10	464	--	430	12	.4	--	987	790	1430
75-05-26	86	30	8.6	404	0	300	9.4	.4	--	743	590	1025
75-05-26	99	66	4.4	507	0	260	43	.3	--	836	630	1300
75-05-26	110	53	12	516	--	390	25	.5	--	976	730	1400
75-05-26	49	12	3.8	311	0	130	12	.3	--	455	330	700
74-11-25	140	62	11	525	--	460	15	.4	--	1090	900	1560
75-05-26	83	40	9.8	386	0	350	12	.5	--	797	590	1200
75-08-27	36	32	3.5	243	0	250	2.0	.2	--	549	370	800
75-09-03	7.0	3.7	.8	117	2	5.7	.8	.1	--	117	94	210
75-07-30	130	69	6.1	518	0	390	33	.3	140	983	750	1650
75-09-01	150	82	6.4	515	0	500	35	.3	0	1120	820	1650
75-09-17	150	76	7.4	524	0	510	35	.3	130	1140	830	1850
75-07-03	69	26	4.8	312	0	210	17	.4	70	554	450	1000
75-09-01	98	69	7.1	400	0	310	27	.5	4	779	560	1300
75-09-17	110	68	8.1	359	35	380	24	.4	80	869	600	1350
74-11-25	110	170	9.9	530	--	400	160	.5	--	1240	730	1940
75-05-26	43	70	5.7	287	0	150	82	.4	--	577	350	860
75-07-03	64	110	7.2	366	0	230	120	--	140	--	470	1620
75-09-01	120	170	9.7	480	0	490	160	.5	0	1310	770	2100
75-09-17	140	180	10	498	0	550	190	.5	200	1450	880	2600
75-09-03	37	24	3.0	282	0	100	3.6	.2	--	376	300	625
75-09-02	63	25	3.5	370	0	160	4.2	.3	--	523	450	850
75-09-01	100	450	12	910	0	700	79	.9	--	1880	590	2700
75-09-03	19	13	1.9	167	3	55	3.2	.1	--	225	170	365
75-08-27	1.0	1.8	.2	15	0	2.7	.5	.1	--	26	11	450
75-08-29	15	7.0	1.6	160	0	30	1.5	.1	--	186	150	320

Table 2.--*Laboratory analyses of common chemical constituents for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)
48	402530106585700	FISH CR AT MOUTH NR MILNER CO	75-08-30	1.4	10	50	69
49	402536106582700	TROUT CR BL FOIDEL CR NR MILNER CO	75-08-29	12	40	10	39
51	09249750	WILLIAMS FK AT MOUTH NR HAMILTON CO	75-06-26	10	50	--	28
			75-07-25	13	130	--	38
			75-08-27	9.6	40	--	38
			75-09-30	9.5	40	10	50
54	402650107541900	YAMPA R AT GOVERNMENT BRIDGE CO	75-08-26	3.3	40	0	32
65	09239500	YAMPA R AT STEAMBOAT SP CO	75-08-25	15	70	30	36
69	09247600	YAMPA R BL CRAIG CO	75-06-26	7.1	100	--	13
			75-07-25	7.4	100	--	19
			75-08-27	4.6	50	--	30
			75-09-30	4.4	40	10	38
71	09244410	YAMPA R BL DIVERSION NR HAYDEN CO	75-06-25	6.6	150	--	8.2
			75-07-25	7.7	170	--	17
			75-08-27	7.3	60	--	27
			75-09-04	7.3	60	20	30
			75-09-29	8.9	50	30	32
74	09244400	YAMPA R NR HAYDEN CO	75-06-25	6.6	150	--	8.2
75	402930107174200	YAMPA R BL HAYDEN CO	75-09-06	6.0	10	20	33
80	09247500	YAMPA R AT CRAIG CO	75-09-05	4.0	10	10	33
81	09246550	YAMPA R BL ELKHEAD CR NR CRAIG CO	75-06-26	7.1	110	--	9.3
			75-07-25	7.6	100	--	18
			75-08-27	6.2	70	--	30
			75-09-29	5.8	30	10	37
89	09251000	YAMPA R NR MAYBELL CO	74-12-09	7.9	110	30	58
			75-01-22	14	--	--	50
			75-02-11	14	40	0	45
			75-03-17	8.4	--	--	50
			75-05-13	9.6	--	--	31
			75-06-10	8.4	140	0	15
			75-09-16	4.8	30	0	46
93	403038107321800	FORTIFICATION CR BL CRAIG CO	75-09-05	7.4	20	170	87
95	09242500	ELK R NR TRULL COLO	75-08-27	6.9	40	10	14
96	09246500	ELKHEAD CR NR CRAIG CO	75-09-05	8.2	10	10	52
97	09260000	L SNAKE R NR LILY CO	74-12-09	20	130	40	72
			75-01-22	21	--	--	60
			75-02-12	18	50	10	51
			75-03-17	13	--	--	41
			75-05-12	15	--	--	45
			75-06-12	12	100	0	18

Table 2.--*Laboratory analyses of common chemical constituents for streams*--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)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)
75-08-30	50	43	3.8	312	4	200	5.3	.4	--	531	380	850
75-08-29	17	7.8	1.5	99	17	75	1.3	.1	--	220	170	340
75-06-26	8.8	5.6	.9	97	0	19	1.0	.1	40	121	110	220
75-07-25	15	9.8	1.5	159	0	40	2.4	.1	20	168	160	340
75-08-27	19	16	2.0	178	0	55	3.5	.1	20	231	170	379
75-09-30	30	22	3.2	212	10	100	4.5	.1	40	334	250	540
75-08-26	15	24	2.2	122	12	77	6.1	.2	--	232	140	350
75-08-25	12	11	1.8	148	0	34	3.8	.2	--	187	140	340
75-06-26	3.2	11	2.6	46	0	11	11	.1	30	82	46	100
75-07-25	6.4	8.7	1.0	74	0	22	2.8	.2	20	104	74	190
75-08-27	11	18	1.8	130	0	48	5.6	.2	30	183	120	320
75-09-30	15	28	4.1	131	16	76	12	.2	190	259	160	420
75-06-25	2.0	2.9	2.8	33	0	7.1	2.6	.1	20	49	29	70
75-[illegible]25	4.6	6.4	.9	64	0	13	2.3	.2	20	86	61	150
75-[illegible]27	9.1	14	--	118	0	31	--	.2	30	--	100	300
75-09-04	10	17	2.1	134	0	33	7.2	.2	--	173	120	320
75-09-29	11	21	2.2	143	0	40	8.9	.2	50	195	130	380
75-06-25	2.0	2.9	2.8	33	0	7.1	2.6	.1	20	49	29	70
75-09-06	13	20	2.5	144	2	46	8.9	.2	--	203	140	360
75-09-05	12	22	2.3	145	0	55	7.8	.2	--	208	130	370
75-06-26	3.1	5.8	1.1	39	0	8.9	3.2	.1	30	58	36	90
75-07-25	5.2	7.1	1.1	70	0	20	2.5	.2	30	96	66	170
75-08-27	11	16	9.3	126	0	46	13	.3	40	194	120	340
75-09-29	13	24	3.1	157	0	61	9.4	.2	50	231	150	400
74-12-09	29	60	3.6	255	0	140	24	.2	--	449	260	640
75-01-22	24	51	3.1	223	0	130	22	.3	--	404	220	640
75-02-11	25	50	3.9	211	0	130	19	.2	--	391	220	600
75-03-17	37	67	3.3	181	7	210	25	.0	--	497	250	720
75-05-13	10	17	2.7	122	0	55	4.8	.2	--	190	120	320
75-06-10	5.4	6.5	7.8	60	0	18	8.3	.1	--	99	60	144
75-09-16	21	58	7.3	206	0	120	21	.3	--	380	200	600
75-09-05	26	170	3.6	332	0	350	43	.5	--	851	320	1150
75-08-27	2.8	3.0	.9	52	0	10	1.3	.2	--	65	47	100
75-09-05	19	49	2.8	232	0	110	11	.3	--	367	210	600
74-12-09	22	77	3.3	290	0	140	24	.3	--	502	270	740
75-01-22	17	58	2.9	250	0	110	19	.3	--	411	220	655
75-02-12	15	44	3.3	215	0	75	12	.3	--	325	190	540
75-03-17	13	67	2.6	168	0	110	26	.6	--	356	160	550
75-05-12	14	33	2.1	152	0	91	7.4	.3	--	283	170	435
75-06-12	4.5	10	.7	79	0	18	2.4	.1	--	105	63	175

Table 2.--*Laboratory analyses of common chemical constituents for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)
97	09260000	L SNAKE R NR LILY CO	14	--	--	55
			15	--	150	34
100	09245000	ELKHEAD CR NR ELKHEAD CO	5.3	10	0	29
101	09241000	ELK R AT CLARK CO	6.8	70	1	9.0
108	09258000	WILLOW CR NR DIXON WY	17	100		18
109	09255000	SLATER FK NR SLATER CO	7.7	40	10	33
112	09253000	L SNAKE R NR SLATER CO	9.5	40	0	18
113	09259700	L SNAKE R NR BAGGS WY	16	--	--	50
			13	--	--	20
			11	--	--	13
			9.8	--	--	44
115	09256500	SAVERY CR AT SAVERY WY	17	30	20	53
116	09257000	L SNAKE R NR DIXON WY	8.9	30	20	45
118	09255500	SAVERY CR AT UPPER STATION NR SAVERY WY	25	20	40	61

Table 2.--*Laboratory analyses of common chemical constituents for streams--Continued*

DATE OF SAMPLE	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	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 BORON (B) (UG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
75-08-13	17	75	4.9	220	0	160	25	.3	--	460	210	675
75-09-17	9.6	220	6.2	254	0	280	77	.7	--	772	120	1190
75-09-06	8.3	9.6	1.8	128	0	15	1.5	.1	--	134	110	245
75-08-27	1.5	1.8	.8	35	0	5.5	.2	.1	--	43	29	65
75-08-28	5.2	4.8	1.4	86	0	4.6	1.1	.1	--	95	66	135
75-08-29	13	11	2.3	157	6	11	3.1	.2	--	165	140	285
75-08-30	4.1	11	1.5	45	20	12	3.8	.2	--	102	62	160
75-04-22	15	24	2.1	180	0	86	5.5	.3	--	245	190	--
75-05-28	4.6	5.4	.9	73	0	16	1.8	.1	--	98	69	--
75-06-24	3.1	4.3	1.2	53	0	8.2	2.5	.1	--	69	46	--
75-09-16	16	77	3.5	220	0	140	20	.4	--	422	190	--
75-08-29	12	16	3.6	202	2	43	3.8	.3	--	250	180	410
75-08-28	16	25	3.4	230	0	43	4.7	.4	--	260	190	440
75-08-30	6.8	5.4	3.7	192	0	30	2.7	.2	--	230	180	390

Table 3.--*Laboratory analyses of trace metals for streams*

EXPLANATION OF HEADING INFORMATION

UNITS:

UG/L = MICROGRAMS PER LITER
UG/G = MICROGRAMS PER GRAM

Table 3.--*Laboratory analyses of trace metals for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	DATE OF SAMPLE	DIS-SOLVED ALUM-INUM (AL) (UG/L)	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL ANTI-MONY IN BOTTOM MA-TERIAL (UG/G)	DIS-SOLVED ARSENIC (AS) (UG/L)
2	09304800	WHITE R BL MEEKER CO	75-09-10	0	450	--	2
4	09236000	BEAR R NR TOPONAS CO	75-08-28	--	--	--	--
5	400612106524800	CHIMNEY CR AT TRAPPER CO	75-08-28	--	--	--	--
6	400759106532500	PHILLIPS CR NR YAMPA CO	75-08-28	--	--	--	--
7	09243000	TROUT CR NR PHIPPSBURG CO	75-08-27	--	--	--	--
8	401048106544800	YAMPA R BL YAMPA CO	75-08-28	--	--	--	--
9	09250000	MILK CR NR THORNBURGH CO	75-09-02	--	--	7	--
10	09249200	S FK WILLIAMS FK NR PAGODA CO	75-09-02	--	--	6	--
11	401348107520200	UNNAMED TRIB TO WILSON CR NR AXIAL CO	75-05-26	--	--	--	1
12	401348107530200	WILSON CR AB E FK WILSON CR NR AXIAL CO	74-11-25	--	--	--	3
13	09238000	OAK CR NR OAK CR CO	75-08-27	--	--	3	--
14	401418106562200	YAMPA R AT PHIPPSBURG CO	75-08-26	--	--	--	--
15	401459107470800	GOOD SPRING CR AB ELKHORN CR NR AXIAL CO	74-11-25	--	--	--	3
			75-05-26	--	--	--	1
16	401530107262300	COAL CR AT MOUTH NR PAGODA CO	75-09-02	--	--	3	--
17	401542107481300	UNNAMED TRIB TO GOOD SPRING CR NR AXIAL CO	75-05-26	--	--	--	1
18	401544107471800	GOOD SPRING CR NR STREETER MINE AB AXIAL CO	75-05-26	--	--	--	1
19	401546107260700	CEDAR CR AT MOUTH NR PAGODA CO	75-09-03	--	--	4	--
20	401601107395300	STINKING GL NR THORNBURGH CO	75-09-01	--	--	11	--
21	401623107493400	TAYLOR CR AB MOUTH NR AXIAL CO	75-05-26	--	--	--	1
22	401725106575600	OAK CR AB OAK CR DR NR OAK CR CO	75-08-26	--	--	3	--
23	09250400	GOOD SPRING CR AT AXIAL CO	74-11-25	--	--	--	3
			75-05-26	--	--	--	1
			75-09-02	--	--	3	--
24	401729106575400	OAK CR DR NR OAK CR CO	75-08-27	--	--	2	--
25	401741106574600	OAK CR AB ROUTT CO	75-08-27	--	--	3	--
26	09249000	E FK WILLIAMS FK NR PAGODA CO	75-09-03	--	--	7	--
27	09250610	JUBB CR NR AXIAL CO	75-07-30	50	540	--	1
			75-08-31	--	--	5	--
28	09250510	TAYLOR CR AT MOUTH NR AXIAL CO	75-07-03	10	230	--	0
			75-08-31	--	--	6	--
29	401851107475700	TAYLOR CR NR AXIAL CO	74-11-25	--	--	--	3
30	09250600	WILSON CR NR AXIAL CO	75-05-26	--	--	--	1
			75-07-03	10	5000	--	1
			75-08-31	--	--	6	--
31	401857107243500	S FK WILLIAMS FK AT MOUTH NR PAGODA CO	75-09-03	--	--	5	--
32	401913107204100	HAYDEN GL NR PAGODA CO	75-09-03	--	--	6	--
33	402005107411900	STINKING GL AT ILES GROVE CO	75-09-01	--	--	5	--
34	09244100	FISH CR NR MILNER CO	75-09-02	--	--	2	--
35	09243800	FOIDEL CR NR OAK CR CO	75-09-03	--	--	3	--

Table 3.--*Laboratory analyses of trace metals for streams*--Continued

DATE OF SAMPLE	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DISSOLVED BORON (B) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	DISSOLVED COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)
75-09-10	2	--	50	0	<10	10	10	--	0	<50	1	10
75-08-28	--	--	--	0	<10	--	--	--	0	<50	0	<10
75-08-28	--	--	--	0	<10	--	--	--	0	<50	3	<10
75-08-28	--	--	--	0	<10	--	--	--	0	<50	1	<10
75-08-27	--	--	--	0	<10	--	--	--	0	<50	1	<10
75-08-28	--	--	--	0	<10	--	--	--	0	<50	1	10
75-09-02	--	7	--	0	<10	--	--	5	0	<50	1	<10
75-09-02	--	12	--	0	<10	--	--	6	0	<50	1	<10
75-05-26	--	--	--	1	--	--	--	--	0	--	5	--
74-11-25	--	--	--	1	--	<10	--	--	--	--	1	--
75-08-27	--	6	--	0	<10	--	--	50	0	<50	0	<10
75-08-26	--	--	--	0	<10	--	--	--	1	<50	2	<10
74-11-25	--	--	--	0	--	<10	--	--	--	--	1	--
75-05-26	--	--	--	0	--	--	--	--	0	--	2	--
75-09-02	--	7	--	0	<10	--	--	13	1	<50	2	<10
75-05-26	--	--	--	0	--	--	--	--	0	--	0	--
75-05-26	--	--	--	0	--	--	--	--	1	--	1	--
75-09-03	--	8	--	0	<10	--	--	9	0	<50	3	<10
75-09-01	--	11	--	0	10	--	--	29	0	<50	3	20
75-05-26	--	--	--	0	--	--	--	--	0	--	1	--
75-08-26	--	8	--	0	<10	--	--	5	0	<50	2	<10
74-11-25	--	--	--	1	--	<10	--	--	--	--	2	--
75-05-26	--	--	--	0	--	--	--	--	1	--	1	--
75-09-02	--	8	--	0	<10	--	--	4	0	<50	1	<10
75-07-27	--	65	--	0	10	--	--	20	5	50	0	10
75-08-27	--	17	--	0	<10	--	--	24	0	<50	3	<10
75-09-03	--	8	--	0	<10	--	--	10	0	<50	1	<10
75-07-30	1	--	140	1	<10	0	10	--	0	<50	5	<10
75-08-31	--	10	--	0	<10	--	--	4	0	<50	1	<10
75-07-03	1	--	70	0	<10	0	0	--	2	<50	0	<10
75-08-31	--	11	--	0	<10	--	--	6	0	<50	2	<10
74-11-25	--	--	--	1	--	<10	--	--	--	--	1	--
75-05-26	--	--	--	0	--	--	--	--	0	--	0	--
75-07-03	6	--	140	0	10	0	10	--	0	<50	3	40
75-08-31	--	10	--	0	<10	--	--	6	0	<50	1	<10
75-09-03	--	6	--	0	<10	--	--	5	0	<50	1	<10
75-09-03	--	11	--	0	<10	--	--	38	0	50	1	<10
75-09-01	--	9	--	0	<10	--	--	8	1	<50	3	<10
75-09-02	--	5	--	0	<10	--	--	4	0	<50	1	<10
75-09-03	--	10	--	0	<10	--	--	10	2	<50	2	<10

Table 3.--*Laboratory analyses of trace metals for streams*--Continued

DATE OF SAMPLE	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DISSOLVED IRON (FE) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	DISSOLVED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	DISSOLVED LITHIUM (LI) (UG/L)	TOTAL LITHIUM (LI) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)
75-09-10	--	50	410	--	1	<100	--	10	10	20	50	.0
75-08-28	--	40	190	--	0	<100	--	--	--	0	20	.0
75-08-28	--	30	1300	--	0	<100	--	--	--	30	50	.0
75-08-28	--	20	570	--	0	<100	--	--	--	20	40	.0
75-08-27	--	30	50	--	0	<100	--	--	--	0	0	.0
75-08-28	--	60	670	--	0	<100	--	--	--	10	40	.0
75-09-02	6	0	560	6200	0	<100	50	--	--	80	90	.0
75-09-02	8	10	30	8500	0	<100	100	--	--	0	0	.0
75-05-26	--	40	--	--	1	--	--	--	--	40	--	.0
74-11-25	--	10	--	--	2	--	--	--	--	140	--	.1
75-08-27	6	160	500	10000	0	<100	100	--	--	20	20	.1
75-08-26	--	20	760	--	0	<100	--	--	--	20	50	.0
74-11-25	--	20	--	--	1	--	--	--	--	130	--	<.1
75-05-26	--	30	--	--	2	--	--	--	--	30	--	.0
75-09-02	15	10	110	8600	0	<100	250	--	--	0	30	.0
75-05-26	--	20	--	--	0	--	--	--	--	0	--	.0
75-05-26	--	40	--	--	0	--	--	--	--	70	--	.0
75-09-03	9	20	250	9100	0	<100	100	--	--	0	0	.0
75-09-01	9	10	7400	12000	0	100	150	--	--	30	150	.0
75-05-26	--	30	--	--	1	--	--	--	--	10	--	.2
75-08-26	10	40	590	6800	0	<100	200	--	--	30	40	.0
74-11-25	--	390	--	--	1	--	--	--	--	180	--	<.1
75-05-26	--	50	--	--	2	--	--	--	--	30	--	.1
75-09-02	4	10	190	4000	0	<100	150	--	--	10	20	.0
75-08-27	6	6500	14000	180000	0	<100	200	--	--	1800	1700	.0
75-08-27	20	40	1400	21000	0	<100	300	--	--	220	240	.0
75-09-03	8	20	150	10000	0	<100	50	--	--	0	0	.0
75-07-30	--	90	680	--	0	100	--	80	80	0	40	.0
75-08-31	11	10	110	4500	0	<100	150	--	--	0	20	.0
75-07-03	--	10	270	--	0	<100	--	30	30	0	20	.0
75-08-31	17	0	120	5800	0	<100	200	--	--	0	0	.0
74-11-25	--	20	--	--	4	--	--	--	--	150	--	<.1
75-05-26	--	40	--	--	2	--	--	--	--	30	--	.0
75-07-03	--	50	7400	--	0	<100	--	40	40	30	360	.0
75-08-31	12	0	40	6300	0	<100	150	--	--	40	50	.0
75-09-03	8	10	440	11000	0	<100	100	--	--	60	60	.0
75-09-03	8	20	250	7600	0	<100	150	--	--	50	80	.0
75-09-01	15	70	2500	11000	0	<100	200	--	--	10	60	.0
75-09-02	3	20	130	4700	0	<100	100	--	--	20	30	.0
75-09-03	19	20	2000	16000	0	<100	150	--	--	1200	1800	.0

Table 3.--*Laboratory analyses of trace metals for streams*--Continued

DATE OF SAMPLE	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DISSOLVED MOLYBDENUM (MO) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	DISSOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DISSOLVED STRONTIUM (SR) (UG/L)	DISSOLVED VANADIUM (V) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)
75-09-10	.0	--	1	1	0	<50	--	1	1	860	.9	0	7
75-08-28	.0	--	--	--	2	<50	--	0	0	--	.9	0	10
75-08-28	.0	--	--	--	4	<50	--	2	3	--	1.8	10	10
75-08-28	.0	--	--	--	0	<50	--	1	1	--	2.8	20	10
75-08-27	.0	--	--	--	0	<50	--	0	0	--	1.2	10	20
75-08-28	.0	--	--	--	0	<50	--	0	1	--	2.2	0	0
75-09-02	.0	.0	--	--	3	<50	5	2	2	--	.2	0	40
75-09-02	.0	.0	--	--	5	<50	15	0	0	--	.6	0	10
75-05-26	--	--	0	--	1	--	--	2	--	--	.0	0	--
74-11-25	--	--	2	--	1	--	--	1	--	--	.0	10	--
75-08-27	.1	.0	--	--	0	<50	12	0	0	--	1.4	10	20
75-08-26	.1	--	--	--	0	<50	--	0	1	--	2.0	0	20
74-11-25	--	--	3	--	0	--	--	5	--	--	.6	10	--
75-05-26	--	--	1	--	2	--	--	4	--	--	.0	0	--
75-09-02	.0	.0	--	--	4	<50	12	1	1	--	.7	0	10
75-05-26	--	--	0	--	0	--	--	5	--	--	.0	0	--
75-05-26	--	--	1	--	0	--	--	5	--	--	.2	10	--
75-09-02	.0	.0	--	--	1	<50	12	0	0	--	.0	0	0
75-09-01	.0	.0	--	--	3	<50	12	67	71	--	.2	10	50
75-05-26	--	--	0	--	0	--	--	3	--	--	.0	0	--
75-08-26	.1	.0	--	--	2	<50	5	0	0	--	1.6	0	30
74-11-25	--	--	--	--	0	--	--	2	--	--	10	10	--
75-05-26	--	--	1	--	1	--	--	3	--	--	.0	10	--
75-09-02	.0	.0	--	--	3	50	5	2	2	--	1.6	0	10
75-08-27	.0	.0	--	--	16	<50	45	0	0	--	.0	0	20
75-08-27	.1	.0	--	--	2	<50	15	0	0	--	1.2	10	20
75-09-03	.0	.0	--	--	1	<50	8	0	0	--	.6	0	20
75-07-30	.0	--	0	0	1	<50	--	1	1	--	2.2	0	10
75-08-31	.0	.0	--	--	1	<50	12	1	1	--	1.8	0	20
75-07-03	.1	--	3	3	3	<50	--	2	2	--	1.2	40	10
75-08-31	.0	.0	--	--	1	<50	12	1	1	--	1.1	10	20
74-11-25	--	--	2	--	1	--	--	7	--	--	1.5	10	--
75-05-26	--	--	1	--	0	--	--	3	--	--	.1	0	--
75-07-03	.0	--	0	1	1	<50	--	3	4	--	2.4	10	40
75-08-31	.0	.0	--	--	1	<50	12	9	10	--	1.5	10	10
75-09-03	.0	.0	--	--	2	<50	12	0	0	--	.0	0	10
75-09-03	.0	.0	--	--	3	50	5	0	0	--	.1	0	10
75-09-01	.0	.0	--	--	0	<50	17	0	0	--	4.2	10	40
75-09-02	.1	.0	--	--	4	<50	5	1	1	--	.2	0	20
75-09-03	.2	.0	--	--	3	<50	12	0	0	--	.9	10	20

Table 3.--*Laboratory analyses of trace metals for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	DATE OF SAMPLE	DIS-SOLVED ALUM-INUM (AL) (UG/L)	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL ANTI-MONY IN BOTTOM MA-TERIAL (UG/G)	DIS-SOLVED ARSENIC (AS) (UG/L)
36	402152107301300	WILLIAMS FK BL JEFFWAY GL NR HAMILTON CO	75-09-03	--	--	6	--
37	402154107453100	MILK CR NR MOUTH NR AXIAL CO	75-09-01	--	--	4	--
38	402221107365200	WILLIAMS FK BL MORAPOS CR AT HAMILTON CO	75-09-03	--	--	5	--
39	09243700	MIDDLE CR NR OAK CR CO	75-09-02	--	--	3	--
40	09243900	FOIDEL CR AT MOUTH NR OAK CR CO	75-09-02	--	--	3	--
41	402330107082000	GRASSY CR AT GRASSY GAP CO	75-09-05	--	--	2	--
42	09238300	N FK WALTON CR NR RABBIT EARS PASS CO	75-08-27	--	--	--	--
43	402356106500000	YAMPA R AB OAK CR NR STEAMBOAT SP CO	75-08-29	--	--	--	--
44	402356106503000	OAK CR NR STEAMBOAT SP CO	75-08-29	--	--	--	--
45	402416106580800	TROUT CR AB FOIDEL CR CO	75-08-30	--	--	--	--
46	402456107413500	YAMPA R AB BELL ROCK GL NR HAMILTON CO	75-09-04	--	--	5	--
47	402522107134100	SAGE CR NR MT HARRIS CO	75-09-04	--	--	3	--
48	402530106585700	FISH CR AT MOUTH NR MILNER CO	75-08-30	--	--	2	--
49	402536106582700	TROUT CR BL FOIDEL CR NR MILNER CO	75-08-29	--	--	--	--
51	09249750	WILLIAMS FK AT MOUTH NR HAMILTON CO	75-09-04	--	--	5	--
			75-09-30	10	90	--	0
52	402627107390700	YAMPA R AB WILLIAMS FK NR HAMILTON CO	75-09-04	--	--	5	--
53	09244300	GRASSY CR NR MT HARRIS CO	75-09-05	--	--	2	--
54	402650107541900	YAMPA R AT GOVERNMENT BRIDGE CO	75-08-26	--	--	--	--
56	09260050	YAMPA R AT DEERLODGE CO	75-08-26	--	--	--	--
61	402832107080200	WOLF CR NR HAYDEN CO	75-09-02	--	--	--	--
63	402854107020500	YAMPA R BL TROUT CR AT MILNER CO	75-09-02	--	--	--	--
65	09239500	YAMPA R AT STEAMBOAT SP CO	75-08-25	--	--	--	--
69	09247600	YAMPA R BL CRAIG CO	75-09-04	--	--	3	--
			75-09-30	20	140	--	1
71	09244410	YAMPA R BL DIVERSION NR HAYDEN CO	75-09-04	--	--	--	--
			75-09-29	20	120	--	4
72	402918107094400	SAGE CR NR HAYDEN CO	75-09-04	--	--	5	--
75	402930107174200	YAMPA R BL HAYDEN CO	75-09-06	--	--	3	--
76	402932106564900	YAMPA R AB ELK R NR MILNER CO	75-08-25	--	--	--	--
80	09247500	YAMPA R AT CRAIG CO	75-09-05	--	--	3	--
81	09246550	YAMPA R BL ELKHEAD CR NR CRAIG CO	75-09-04	--	--	2	--
			75-09-29	20	100	--	0
88	403006107154800	YAMPA R AT HAYDEN CO	75-09-05	--	--	--	--
89	09251000	YAMPA R NR MAYBELL CO	74-12-09	--	--	--	0
			75-02-11	--	--	--	0
			75-06-10	--	--	--	1
			75-08-26	--	--	--	--
			75-09-16	--	--	--	2
93	403038107321800	FORTIFICATION CR BL CRAIG CO	75-09-05	--	--	4	--

Table 3.--*Laboratory analyses of trace metals for streams*--Continued

DATE OF SAMPLE	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DISSOLVED BORON (B) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	DISSOLVED COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)
75-09-03	--	7	--	0	<10	--	--	11	0	<50	1	<10
75-09-01	--	6	--	0	<10	--	--	3	0	<50	2	<10
75-09-03	--	6	--	0	<10	--	--	5	0	<50	1	<10
75-09-02	--	11	--	0	<10	--	--	8	0	<50	2	<10
75-09-02	--	8	--	0	<10	--	--	13	0	<50	2	<10
75-09-05	--	11	--	0	<10	--	--	10	0	<50	1	10
75-08-27	--	--	--	0	<10	--	--	--	0	<50	2	<10
75-08-29	--	--	--	0	<10	--	--	--	0	<50	1	<10
75-08-29	--	--	--	0	<10	--	--	--	0	<50	2	<10
75-08-30	--	--	--	0	<10	--	--	--	0	<50	1	<10
75-09-[illegible]	--	3	--	0	<10	--	--	5	0	100	1	10
75-09-06	--	12	--	0	<10	20	--	27	0	<50	1	<10
75-08-30	--	6	--	0	<10	--	--	5	0	<50	2	<10
75-08-29	--	--	--	0	<10	--	--	--	0	<50	1	<10
75-09-04	--	6	--	0	<10	--	--	17	0	<50	1	<10
75-09-30	2	--	40	1	0	20	20	--	--	--	4	0
75-09-04	--	6	--	0	<10	--	--	75	0	<50	1	<10
75-09-05	--	11	--	0	<10	--	--	12	0	<50	1	20
75-08-26	--	--	--	0	<10	--	--	--	0	<50	1	<10
75-08-26	--	--	--	0	<10	--	--	--	0	<50	2	<10
75-09-02	--	--	--	0	<10	--	--	--	0	<50	1	<10
75-09-02	--	--	--	0	<10	--	--	--	0	<50	1	<10
75-08-25	--	--	--	0	<10	--	--	--	0	<50	5	<10
75-09-04	--	2	--	0	<10	--	--	41	0	<50	1	<10
75-09-30	1	--	190	0	0	10	10	--	--	--	2	0
75-09-04	--	--	--	0	<10	--	--	--	0	<50	1	<10
75-09-29	2	--	50	1	0	10	10	--	--	--	5	0
75-09-04	--	17	--	0	<10	50	--	21	0	<50	550	510
75-09-06	--	5	--	0	<10	--	10	7	0	<50	1	10
75-08-25	--	--	--	0	<10	--	--	--	0	<50	3	<10
75-09-05	--	3	--	0	<10	--	--	80	0	<50	1	<10
75-09-04	--	3	--	0	<10	--	--	7	0	<50	1	<10
75-09-29	1	--	50	1	<10	10	10	--	--	--	3	<10
75-09-05	--	--	--	0	<10	40	--	--	0	<50	1	10
74-12-09	2	--	--	0	<10	<10	<10	--	0	<50	12	10
75-02-11	1	--	--	2	10	0	0	--	0	<50	8	360
75-06-10	4	--	--	1	--	10	--	--	20	--	5	--
75-08-26	--	--	--	0	<10	--	--	--	0	<50	2	<10
75-09-16	1	--	--	0	<10	0	10	--	0	<50	2	10
75-09-05	--	6	--	0	<10	--	--	7	0	<50	1	<10

Table 3.--*Laboratory analyses of trace metals for streams*--Continued

DATE OF SAMPLE	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DISSOLVED IRON (FE) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	DISSOLVED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	DISSOLVED LITHIUM (LI) (UG/L)	TOTAL LITHIUM (LI) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)
75-09-03	10	20	240	11000	1	<100	150	--	--	20	30	.1
75-09-01	3	0	1200	3600	0	<100	50	--	--	10	50	.0
75-09-03	6	20	230	8600	1	<100	150	--	--	20	30	.0
75-09-02	9	20	2300	12000	0	<100	50	--	--	230	550	.0
75-09-02	11	0	1600	15000	0	<100	100	--	--	130	170	.1
75-09-05	20	10	2100	14000	0	<100	250	--	--	40	70	.0
75-08-27	--	180	310	--	0	<100	--	--	--	0	0	.0
75-08-29	--	30	360	--	0	<100	--	--	--	30	50	.0
75-08-29	--	10	450	--	0	<100	--	--	--	60	80	.0
75-08-30	--	50	190	--	0	<100	--	--	--	10	20	.0
75-09-04	5	30	50	5200	2	<100	50	--	--	10	30	.0
75-09-04	11	90	210	7600	2	<100	200	--	--	20	40	.0
75-08-30	6	10	370	7800	0	<100	200	--	--	50	130	.0
75-08-29	--	40	190	--	0	<100	--	--	--	10	20	.0
75-09-04	5	20	230	6200	0	<100	50	--	--	10	30	.0
75-09-30	--	40	120	--	1	0	--	10	10	10	30	.0
75-09-04	9	20	90	9400	1	<100	50	--	--	10	40	.0
75-09-05	19	10	4800	13000	0	<100	200	--	--	350	570	.0
75-08-26	--	40	220	--	0	<100	--	--	--	0	0	.0
75-08-26	--	10	250	--	0	<100	--	--	--	0	20	.0
75-09-02	--	10	130	--	1	<100	--	--	--	40	60	.0
75-09-02	--	30	160	--	0	<100	--	--	--	10	30	.0
75-08-25	--	70	310	--	0	<100	--	--	--	30	50	.0
75-09-04	5	30	70	5700	2	<100	50	--	--	10	40	.0
75-09-30	--	40	150	--	1	0	--	20	10	10	50	.0
75-09-04	--	60	70	--	1	<100	--	--	--	20	40	.0
75-09-29	--	50	200	--	30	<100	--	30	20	30	30	.0
75-09-04	260	2300	2500	7700	14	<100	200	--	--	270	320	.0
75-09-06	12	10	90	7900	0	<100	100	--	--	20	30	.0
75-08-25	--	50	210	--	0	<100	--	--	--	20	30	.0
75-09-05	7	10	90	6700	1	<100	50	--	--	10	50	.0
75-09-04	5	30	70	6800	2	<100	50	--	--	20	50	.1
75-09-29	--	30	200	--	0	0	--	20	20	10	20	.0
75-09-05	--	10	140	--	1	<100	--	--	--	10	30	.1
74-12-09	--	110	340	--	1	<100	--	--	--	30	20	<.1
75-02-11	--	40	510	--	1	<100	--	--	--	0	20	.0
75-06-10	--	140	--	--	23	--	--	--	--	0	--	.0
75-08-26	--	10	150	--	0	<100	--	--	--	0	20	.0
75-09-16	--	30	110	--	4	<100	--	--	--	0	20	.0
75-09-05	1	20	150	7800	2	<100	350	--	--	170	230	.1

Table 3.--*Laboratory analyses of trace metals for streams*--Continued

DATE OF SAMPLE	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DISSOLVED MOLYBDENUM (MO) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	DISSOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DISSOLVED STRONTIUM (SR) (UG/L)	DISSOLVED VANADIUM (V) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)
75-09-03	.1	.0	--	--	2	<50	17	0	0	--	.8	0	10
75-09-01	.0	.0	--	--	0	50	8	3	3	--	2.6	10	30
75-09-03	.0	.0	--	--	2	50	15	0	0	--	.8	0	10
75-09-02	.0	.0	--	--	2	<50	8	0	0	--	.7	10	20
75-09-02	.1	.0	--	--	0	<50	12.	0	0	--	.6	0	20
75-09-03	.0	.0	--	--	1	<50	12	0	0	--	4.3	0	20
75-08-[illegible]	.1	--	--	--	0	<50	--	0	0	--	1.6	10	20
75-08-[illegible]	.0	--	--	--	1	<50	--	0	0	--	1.3	10	10
75-08-29	.0	--	--	--	1	<50	--	0	0	--	1.2	0	10
75-08-30	.0	--	--	--	2	<50	--	0	0	--	.8	10	10
75-09-04	.1	.0	--	--	3	<50	5	0	0	--	.2	0	10
75-09-04	.0	.0	--	--	3	<50	12	0	0	--	.1	20	10
75-08-30	.0	.0	--	--	4	<50	8	0	0	--	.6	0	10
75-08-29	.0	--	--	--	1	<50	--	0	0	--	1.2	0	10
75-09-04	.0	.0	--	--	3	<50	8	0	0	--	.6	0	10
75-09-30	.0	--	1	1	3	<50	--	0	0	--	.8	10	10
75-09-04	.0	.0	--	--	3	<50	8	0	0	--	.4	0	10
75-09-05	.0	.0	--	--	5	<50	8	0	1	--	.9	10	40
75-08-26	.0	--	--	--	0	<50	--	0	0	--	1.2	0	40
75-08-26	.0	--	--	--	0	<50	--	0	1	--	1.2	0	10
75-09-02	.0	--	--	--	2	<50	--	0	1	--	.3	0	40
75-09-02	.1	--	--	--	2	<50	--	0	0	--	.2	0	10
75-08-25	.0	--	--	--	0	<50	--	0	0	--	2.1	0	10
75-09-04	.0	.0	--	--	3	<50	5	0	0	--	.2	10	10
75-09-30	.0	--	1	1	1	<50	--	0	0	--	.5	10	10
75-09-04	.0	--	--	--	2	<50	--	0	0	--	.5	10	10
75-09-29	.0	--	1	2	2	<50	--	0	1	--	.8	10	10
75-09-04	.1	.1	--	--	7	<50	12.	2	2	--	7.9	--	--
75-09-06	.1	.0	--	--	0	<50	15	0	0	--	1.2	10	10
75-08-25	.0	--	--	--	0	<50	--	0	0	--	2.1	0	10
75-09-05	.0	.0	--	--	3	<50	10	0	0	-	.7	0	7
75-09-04	.1	.0	--	--	3	<50	5	0	0	-	.1	10	10
75-09-29	.0	--	1	2	2	<50	--	1	1	.	.6	10	10
75-09-05	.1	--	--	--	3	<50	--	0	0	--	.3	0	7
74-12-09	<.1	--	--	--	--	--	--	1	1	--	--	30	60
75-02-11	.0	--	--	--	--	--	--	1	1	--	--	30	40
75-06-10	--	--	--	--	--	--	--	0	0	--	--	10	--
75-08-26	.0	--	--	--	0	<50	--	0	0	--	1.2	0	20
75-09-16	.0	--	--	--	--	--	--	0	0	--	--	0	20
75-09-05	.1	.0	--	--	3	<50	8	1	1	--	.8	0	10

Table 3.--*Laboratory analyses of trace metals for streams*--Continued

INDEX NUMBER ON PLATE 1	STATION NUMBER	STATION NAME	DATE OF SAMPLE	DIS-SOLVED ALUM-INUM (AL) (UG/L)	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL ANTI-MONY IN BOTTOM MA-TERIAL (UG/G)	DIS-SOLVED ARSENIC (AS) (UG/L)
95	09242500	ELK R NR TRULL CO	75-08-27	--	--	--	--
96	09246500	ELKHEAD CR NR CRAIG CO	75-09-05	--	--	3	--
97	09260000	L SNAKE R NR LILY CO	75-02-12	--	--	--	1
			75-06-12	--	--	--	1
			75-08-26	--	--	--	--
			75-09-17	--	--	--	18
98	403251107314200	FORTIFICATION CR AB CRAIG CO	75-09-05	--	--	5	--
99	403530107191300	ELKHEAD CR AB ELKHEAD RESERVOIR CO	75-09-06	--	--	3	--
100	09245000	ELKHEAD CR NR ELKHEAD CO	75-09-06	--	--	3	--
101	09241000	ELK R AT CLARK CO	75-08-27	--	--	--	--
102	404506106492800	ELK R BL S FK AT HINMAN PEAK CO	75-08-27	--	--	--	--
103	404610106545600	BEAVER CR NR HAHNS PEAK CO	75-09-03	--	--	--	--
104	404756106555100	WAYS GL AT HAHNS PEAK CO	75-09-03	--	--	3	--
105	404845106571400	DEEP CR AT HAHNS PEAK CO	75-09-03	--	--	--	--
106	405200106575800	INDEPENDENCE CR NR COLUMBINE CO	75-08-25	--	--	--	--
107	405340106543400	KING SOLOMON CR TRIB NR COLUMBINE CO	75-08-25	--	--	--	--
108	09258000	WILLOW CR NR DIXON WY	75-08-28	--	--	--	--
109	09255000	SLATER FK NR SLATER CO	75-08-29	--	--	2	--
110	405855106543500	WHISKEY CR AB WHISKEY PARK NR COLUMBINE CO	75-08-25	--	--	--	--
111	405937107462500	L SNAKE R AB THORNBURGH GL NR BAGGS WY	75-08-29	--	--	6	--
112	09253000	L SNAKE R NR SLATER CO	75-08-30	--	--	0	--
113	09259700	L SNAKE R NR BAGGS WY	75-08-29	--	--	3	--
114	09253500	BATTLE CR AT SLATER CO	75-08-30	--	--	3	--
115	09256500	SAVERY CR AT SAVERY WY	75-08-29	--	--	--	--
116	09257000	L SNAKE R NR DIXON WY	75-08-28	--	--	--	--
117	09256000	SAVERY CR NR SAVERY WY	75-08-30	--	--	--	--
118	09255500	SAVERY CR AT UPPER STATION NR SAVERY WY	75-08-30	--	--	3	--
119	412613107452100	MUDDY CR BL SULPHUR WY	75-08-28	--	--	--	--

Table 3.--*Laboratory analyses of trace metals for streams*--Continued

DATE OF SAMPLE	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DISSOLVED BORON (B) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	DISSOLVED COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)
75-08-27	--	--	--	0	<10	--	--	--	0	<50	0	<10
75-09-05	--	6	--	0	<10	--	--	6	0	<50	1	10
75-02-12	0	--	--	1	10	0	0	--	0	<50	9	120
75-06-12	5	--	--	1	<10	0	10	--	0	<50	7	10
75-08-26	--	--	--	0	<10	--	--	--	1	<50	2	<10
75-09-17	26	--	--	0	<10	40	60	--	2	100	9	110
75-09-05	--	10	--	0	<10	--	--	4	0	50	1	<10
75-09-06	--	6	--	0	<10	--	--	18	0	--	2	--
75-09-06	--	6	--	0	<10	--	--	8	0	<50	1	10
75-08-27	--	--	--	0	<10	--	--	--	0	<50	0	<10
75-08-27	--	--	--	0	<10	--	--	--	0	<50	0	<10
75-09-03	--	--	--	0	<10	--	--	--	0	<50	1	<10
75-09-03	--	6	--	0	<10	--	--	7	0	<50	1	<10
75-09-03	--	--	--	0	<10	--	--	--	0	<50	1	<10
75-08-25	--	--	--	0	<10	--	--	--	0	<50	0	<10
75-08-25	--	--	--	0	<10	--	--	--	0	<50	0	<10
75-08-28	--	--	--	0	<10	--	--	--	1	<50	2	<10
75-08-29	--	2	--	0	<10	--	--	3	0	<50	1	<10
75-08-25	--	--	--	0	<10	--	--	--	0	<50	2	<10
75-08-29	--	6	--	0	<10	--	--	4	0	<50	2	<10
75-08-30	--	4	--	0	<10	--	--	4	0	<50	1	<10
75-08-29	--	4	--	0	<10	--	--	25	0	<50	2	<10
75-08-30	--	7	--	0	<10	--	--	14	0	<50	2	<10
75-08-29	--	--	--	0	<10	--	--	--	0	<50	1	<10
75-08-28	--	--	--	0	<10	--	--	--	0	<50	1	<10
75-08-30	--	--	--	0	<10	--	--	--	0	<50	1	<10
75-08-30	--	4	--	0	<10	--	--	7	0	<50	1	<10
75-08-28	--	--	--	0	<10	--	--	--	0	<50	2	<10

Table 3.--*Laboratory analyses of trace metals for streams*--Continued

DATE OF SAMPLE	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DISSOLVED IRON (FE) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	DISSOLVED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	DISSOLVED LITHIUM (LI) (UG/L)	TOTAL LITHIUM (LI) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)
75-08-27	--	40	120	--	0	<100	--	--	--	10	0	.0
75-09-05	9	10	180	9600	0	<100	50	--	--	10	100	.0
75-02-12	--	50	880	--	3	<100	--	--	--	10	30	.1
75-06-12	--	100	7100	--	2	<100	--	--	--	0	200	.0
75-08-26	--	10	1500	--	0	<100	--	--	--	0	50	.0
75-09-17	--	--	63000	--	4	100	--	--	--	150	340	.0
75-09-05	8	20	150	7300	0	<100	50	--	--	100	130	.0
75-09-06	9	30	390	9000	0	--	100	--	--	10	--	.0
75-09-06	7	10	70	6500	0	<100	150	--	--	0	0	.0
75-08-27	--	70	120	--	0	<100	--	--	--	0	0	.0
75-08-27	--	40	40	--	0	<100	--	--	--	0	0	.0
75-09-03	--	420	820	--	0	<100	--	--	--	30	30	.0
75-09-03	7	80	560	6300	0	<100	100	--	--	650	710	.0
75-09-03	--	60	340	--	1	<100	--	--	--	30	30	.1
75-08-25	--	140	360	--	0	<100	--	--	--	0	20	.0
75-08-25	--	110	520	--	0	<100	--	--	--	30	60	.0
75-08-28	--	100	590	--	0	<100	--	--	--	0	10	.0
75-08-29	3	40	160	5100	1	<100	50	--	--	10	40	.0
75-08-25	--	250	290	--	0	<100	--	--	--	0	0	.0
75-08-29	9	30	150	5100	0	<100	50	--	--	20	80	.0
75-08-30	6	40	30	4700	0	<100	50	--	--	0	10	.0
75-08-29	8	50	110	7200	0	<100	100	--	--	0	30	.0
75-08-30	22	20	50	5300	0	<100	100	--	--	0	0	.0
75-08-29	--	30	250	--	0	<100	--	--	--	20	30	.0
75-08-28	--	30	190	--	0	<100	--	--	--	20	70	.0
75-08-30	--	40	180	--	0	<100	--	--	--	20	30	.0
75-08-30	2	20	190	2200	0	<100	50	--	--	40	50	.0
75-08-28	--	10	560	--	0	<100	--	--	--	20	30	.0

Table 3.--*Laboratory analyses of trace metals for streams*--Continued

DATE OF SAMPLE	TOTAL MERCURY (MG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DISSOLVED MOLYBDENUM (MO) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	DISSOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DISSOLVED STRONTIUM (SR) (UG/L)	DISSOLVED VANADIUM (V) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)
75-08-27	.0	--	--	--	0	<50	--	0	0	--	.5	0	20
75-09-05	.0	.0	--	--	0	<50	8	1	1	--	1.0	10	10
75-02-12	.0	--	--	--	--	--	--	0	0	--	--	20	40
75-06-12	.0	--	--	--	--	--	--	0	0	--	--	30	70
75-08-26	.1	--	--	--	0	<50	--	0	0	--	2.0	10	20
75-09-17	.1	--	--	--	--	--	--	2	3	--	--	70	130
75-09-05	.0	.0	--	--	3	<50	8	2	3	--	.0	10	10
75-09-06	.0	.0	--	--	2	--	12	0	0	--	1.7	0	--
75-09-06	.0	.0	--	--	0	<50	15	0	0	--	.8	0	0
75-08-27	.0	--	--	--	0	<50	--	0	0	--	.5	10	10
75-08-27	.0	--	--	--	0	<50	--	0	0	--	.3	0	20
75-09-03	.0	--	--	--	1	<50	--	0	0	--	.3	0	0
75-09-03	.0	.0	--	--	3	<50	5	0	0	--	.3	0	20
75-09-03	.1	--	--	--	2	<50	--	0	0	--	.0	0	10
75-08-25	.0	--	--	--	1	<50	--	0	0	--	1.3	0	20
75-08-25	.0	--	--	--	0	<50	--	0	0	--	1.7	10	20
75-08-28	.0	--	--	--	4	<50	--	0	0	--	1.8	0	10
75-08-29	.0	.0	--	--	2	<50	8	0	0	--	1.2	0	10
75-08-25	.0	--	--	--	0	<50	--	0	0	--	1.9	10	20
75-08-29	.0	.0	--	--	2	<50	8	0	0	--	.4	0	20
75-08-30	.0	.0	--	--	0	<50	5	0	0	--	.9	0	0
75-08-29	.0	.0	--	--	2	<50	5	0	0	--	.4	10	10
75-08-30	.0	.0	--	--	0	<50	5	0	0	--	.2	0	20
75-08-29	.0	--	--	--	2	<50	--	1	1	--	.9	0	0
75-08-28	.0	--	--	--	2	50	--	0	0	--	.0	0	10
75-08-30	.0	--	--	--	1	<50	--	0	0	--	1.2	0	0
75-08-30	.0	.0	--	--	0	<50	5	0	0	--	2.2	10	20
75-08-28	.0	--	--	--	3	<50	--	1	2	--	.0	0	20

Table 4.--*Chemical and physical data for selected wells and springs*

EXPLANATION OF HEADING INFORMATION

COUNTY:

049	= GRAND (CO)
065	= LAKE (CO)
081	= MOFFAT (CO)
103	= RIO BLANCO (CO)
107	= ROUTT (CO)

GEOLOGIC UNIT:

111VLFL	= VALLEY-FILL DEPOSITS
120TRTR	= TERTIARY SYSTEM
122BRPK	= BROWNS PARK FORMATION
124EOCN	= EOCENE SERIES
124WSTC	= WASATCH FORMATION
125FRUN	= FORT UNION FORMATION
211CRCSU	= LANCE FORMATION
211LWIS	= LEWIS SHALE
211MNCS	= MANCOS SHALE
211MVRD-KI	= MESAVERDE GROUP, ILES FORMATION
211MVRD-KW	= MESAVERDE GROUP, WILLIAMS FORK FORMATION

F = FLOWING WELL.

Table 4.--*Chemical and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	LATITUDE-LONGITUDE LOCATION	LOCAL IDENTIFIER	COUNTY	DATE OF SAMPLE (YR-M-D)	TIME	SITE	GEOLOGIC UNIT	DEPTH TO WATER (FT)	WELL DEPTH (FT)
1	400004108105500	SC00109605ADA	103	75-08-05	1145	SP	----------	---	----
			103	76-04-28	1030	SP	----------	---	----
2	400017108112600	SC00109605BAA	103	75-08-05	1130	SP	----------	---	----
			103	76-04-28	1130	SP	----------	---	----
3	400115107572101	SB00109429AAC1	103	75-07-29	----	GW	111VLFL	---	----
4	400158107485501	SB00109327BAB1	103	75-06-18	----	GW	111VLFL	25	100
5	400221107552201	SB00109420DAC1	103	75-07-29	----	GW	211MVRD-KW	---	180
6	400427107424901	SB00109209BAD1	103	75-07-31	----	GW	211MNCS	---	80
7	400433106430000	SB00108305DCC	049	75-10-06	1200	SP	----------	---	----
			049	76-01-12	1100	SP	----------	---	----
			049	76-04-05	1030	SP	----------	---	----
8	400723107504901	SB00209320DCB1	103	75-06-04	----	GW	211MVRD-KW	F	1200
9	401114107493601	SB00309333ACD1	103	75-08-18	----	SP	211MVRD-KW	---	----
10	401225107493301	SB00309328ABA1	103	75-06-18	----	GW	211MVRD-KW	F	560
11	401305108012901	SB00309523BCA1	103	75-07-28	----	GW	211MVRD-KW	---	60
12	401332107481501	SB00309315DDB1	081	75-08-18	----	GW	211MVRD-KW	F	259
13	401340107030201	SB00308616CD81	107	75-07-10	----	GW	111VLFL	6	----
14	401402107524501	SB00309413AAC1	081	75-07-29	----	GW	211MVRD-KI	---	100
15	401415107522801	SB00309307CCC1	081	75-08-07	----	GW	111VLFL	---	----
16	401446107490901	SB00309310BCB	081	75-06-13	----	GW	211MVRD-KW	20	----
17	401446107515801	SB00309307ACB1	081	75-08-07	----	GW	211MVRD-KW	---	100
18	401453107500600	SB00309309BBD	081	75-11-11	1100	GW	211MVRD-KW	---	----
19	401457107490500	SB00309310BBB	081	75-11-11	1200	GW	211MVRD-KW	---	----
20	401500107431401	SB00309209BAD1	081	75-08-18	----	GW	211MVRD-KW	10	30
21	401503107363901	SB00309109ABA1	081	75-05-10	----	GW	211MNCS	7	----
22	401516107475000	SB00309303CDB	081	75-11-11	1300	GW	211MVRD-KW	13	60
23	401539107472601	SB00309302ACB	081	75-06-13	----	GW	211MVRD-KW	---	----
24	401619107502900	SB00409332DAB	081	75-09-18	1200	GW	211MVRD-KW	9	400
25	401646107571900	SB00409432AAB	107	75-10-15	1100	GW	211MVRD-KW	---	----
26	401710107562800	SB00409428DBB	107	75-10-15	0900	GW	211MVRD-KW	---	----
27	401717107570100	SB00409428C8C	107	75-10-15	0800	GW	211MVRD-KW	---	----
28	401729106575701	SB00408530ACD1	107	75-08-29	----	GW	211MVRD-KI	---	----
29	401751107045201	SB00408630ABA1	107	75-08-06	----	SP	111VLFL	---	----
30	401759107555400	SB00409422CBC	107	75-10-15	1200	GW	211MVRD-KW	---	----
31	401801107470301	SB00409323DAC	081	75-06-12	----	GW	211MNCS	13	17
32	401810107553200	SB00409422BDD	107	75-10-15	1000	GW	211MVRD-KW	---	----
33	401825108061201	SB00409624AAD1	081	75-07-26	----	GW	211MVRD-KW	---	180
34	401828107020601	SB00408622BCB1	107	75-08-06	----	SP	111VLFL	---	----
35	401842107032201	SB00408620AAA1	107	75-08-06	----	SP	111VLFL	---	----
36	401847107003700	SB00408614CDD	107	75-10-13	1100	GW	111VLFL	2	20

Table 4.--*Chemical and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	TEMPERATURE (DEG C)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
1	9.0	7.2	800	647	.88	380	0	403	73	47	97	1.5
	8.5	7.4	1000	673	.92	370	0	412	71	46	100	1.5
2	10.0	7.5	1000	793	1.08	430	0	486	81	54	130	2.9
	7.5	7.3	1075	713	.97	380	0	440	72	47	110	1.9
3	11.0	7.2	580	337	.46	230	34	146	51	25	31	1.4
4	14.5	7.5	790	481	.65	350	61	290	68	44	44	1.5
5	12.0	7.5	1400	890	1.21	370	0	527	65	51	180	2.9
6	9.0	8.0	560	313	.43	260	50	207	73	18	14	2.7
7	44.0	7.1	1800	1210	1.65	52	0	668	15	3.6	440	23
	44.0	6.9	1760	1220	1.66	51	0	660	15	3.2	450	23
	44.0	6.9	1900	1160	1.58	54	0	689	15	3.9	420	23
8	14.5	7.7	1090	677	.92	180	0	582	37	21	200	13
9	12.0	7.3	1600	1090	1.48	820	470	353	130	120	46	15
10	18.0	7.6	1080	676	.92	170	0	478	34	21	190	3.3
11	15.0	7.6	2300	1480	2.01	540	0	755	82	82	330	4.2
12	12.5	7.5	800	476	.65	180	0	446	24	30	120	6.0
13	9.0	7.9	700	289	.39	270	25	245	67	25	8.0	1.6
14	15.0	7.7	950	528	.72	350	93	257	74	40	51	4.6
15	15.0	7.5	2700	1930	2.62	1300	820	465	200	190	160	14
16	8.5	7.4	720	407	.55	270	0	358	63	28	57	3.4
17	15.0	7.5	2000	1310	1.78	960	480	481	170	130	86	10
18	5.0	7.5	1100	766	1.04	650	270	381	140	73	22	2.9
19	5.0	7.4	790	474	.64	420	35	384	110	35	15	2.1
20	14.0	7.3	1020	665	.90	550	220	332	94	77	20	5.5
21	14.5	7.2	870	556	.76	410	86	328	100	40	29	4.4
22	7.0	7.2	920	624	.85	530	56	470	120	55	31	2.8
23	12.5	7.5	1500	1020	1.39	730	310	422	110	110	74	12
24	11.0	7.2	2250	1250	1.70	640	42	545	110	88	190	12
25	16.0	7.3	1325	859	1.17	500	170	334	200	.8	80	7.0
26	13.0	8.4	1250	734	1.00	14	0	647	3.1	1.4	290	5.3
27	21.0	8.1	1200	729	.99	97	0	604	19	12	260	4.7
28	13.0	7.0	3400	2920	3.97	1800	1500	278	430	180	210	12
29	15.0	7.1	620	379	.52	320	77	239	77	30	11	2.6
30	--	--	1430	941	1.28	820	380	438	130	120	13	8.9
31	21.5	7.1	1750	1250	1.70	930	410	518	140	140	71	14
32	19.0	8.1	1200	736	1.00	99	0	621	23	10	260	4.8
33	12.0	7.3	2400	1740	2.37	500	0	775	63	83	440	6.4
34	12.0	7.1	1400	985	1.34	670	420	249	180	54	57	12
35	11.0	7.1	580	329	.45	270	68	200	66	25	9.3	3.8
36	9.0	9.7	525	334	.45	53	0	190	8.7	7.7	100	2.3

Table 4.--*Chemical and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	SODIUM ADSORPTION RATIO	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ANTIMONY (SB) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)
1	2.2	491	0	8.6	.4	150	17	1.9	.03	--	--	1
	2.3	502	0	7.7	.4	170	17	2.3	.05	--	--	1
2	2.7	592	0	12	.4	190	18	2.3	.03	--	--	1
	2.5	537	0	9.6	.5	180	16	2.0	.02	--	--	0
3	.9	239	0	12	.5	78	18	.41	.01	.01	--	0
4	1.0	354	0	16	.6	110	18	.83	.01	.01	--	0
5	4.1	642	0	6.1	.7	230	21	3.7	.00	.01	--	1
6	.4	252	0	2.8	.1	69	9.2	.05	.00	.02	--	1
7	26	815	0	140	9.4	140	31	.00	.01	--	--	5
	28	829	0	140	13	130	31	.13	.01	--	--	--
	25	840	0	120	12	120	33	.01	.03	--	--	--
8	6.5	710	0	3.8	.8	39	9.6	.01	.01	.00	--	0
9	.7	430	0	6.3	.7	510	30	3.5	.01	.06	--	1
10	6.3	583	0	2.7	1.3	120	16	.02	.02	.02	--	0
11	6.2	920	0	21	1.5	480	13	1.9	.00	.01	--	0
12	3.9	544	0	1.7	.5	13	12	.06	.00	.01	--	0
13	.2	299	0	2.4	.3	22	11	.89	.00	.00	--	0
14	1.2	313	0	50	.4	140	13	.14	.00	.01	--	0
15	1.9	567	0	85	.5	970	18	3.4	.00	.09	--	0
16	1.5	437	0	5.1	.3	21	13	.03	.01	1.1	--	0
17	1.2	586	0	11	.6	580	22	1.7	.00	.00	--	0
18	.4	464	0	21	.8	260	15	.60	.00	.01	--	--
19	.3	468	0	9.0	.2	52	16	.93	.00	.01	--	--
20	.4	405	0	20	.3	230	14	.23	.00	.44	--	0
21	.6	400	0	9.8	.2	120	21	7.6	.09	.18	--	0
22	.6	573	0	17	.4	94	16	1.2	.01	.00	--	--
23	1.2	514	0	47	.6	360	18	7.5	.05	.02	--	0
24	3.3	725	0	42	.8	430	15	.09	.01	7.7	--	5
25	1.6	407	0	3.4	.4	350	15	.31	.01	.00	--	--
26	34	789	0	1.7	1.7	32	9.5	.02	.10	.09	--	--
27	12	736	0	2.0	1.1	55	11	.13	.05	.03	--	--
28	2.1	339	0	2.5	.6	1900	10	.01	.01	.00	0	2
29	.3	291	0	2.8	.2	100	11	.09	.00	.03	--	0
30	.2	534	--	16	.5	360	17	2.7	.03	.00	--	--
31	1.0	632	0	17	.6	530	18	1.1	.01	.03	--	0
32	11	757	0	1.7	2.5	49	11	.06	.11	.08	--	--
33	8.6	945	0	37	.6	630	16	.08	.00	.08	--	0
34	1.0	303	0	21	.2	500	11	.08	.00	.06	--	0
35	.2	244	0	2.5	.2	88	13	.06	.07	.11	--	0
36	6.0	146	42	2.7	.4	76	22	.04	.03	.06	--	--

Table 4.--*Chemical and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	DIS-SOLVED CADMIUM (CD) (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 MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED MOLYBDENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED VANADIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
1	--	--	0	20	1	40	--	--	--	--	--	10
	0	--	0	20	3	0	.0	8	--	--	--	0
2	0	--	1	0	1	10	.0	9	--	--	--	10
	0	--	1	0	4	0	.0	9	--	--	--	0
3	0	0	4	0	0	0	.0	0	4	--	1.0	60
4	0	1	150	60	0	20	.0	3	0	--	1.0	60
5	0	0	2	0	0	40	.0	0	2	--	1.0	500
6	1	0	3	100	1	30	.0	1	4	--	.1	50
7	0	--	--	80	--	70	.0	--	--	--	--	10
	--	--	--	10	--	80	--	--	--	--	--	--
8	0	0	0	30	--	90	--	--	--	--	--	--
9	0	0	4	2200	0	80	.0	0	2	--	.0	8
10	0	0	0	20	2	10	.0	2	2	--	8.8	20
11	1	0	2	390	1	0	.0	0	0	--	.8	10
12	0	0	0	40	0	10	.0	2	4	--	.2	130
13	1	0	4	250	2	10	.0	0	0	--	.6	220
14	1	0	2	20	0	0	.0	0	0	--	.0	160
15	2	0	5	170	0	40	.0	0	5	--	.1	50
16	0	1	80	130	3	20	.0	0	2	--	.6	2600
				300	2	170	.0	0	3	--	.8	120
17	0	0	40	30	2	230	.0	0	3	--	.3	990
18	--	0	10	40	--	10	.1	1	6	--	.2	20
19	--	0	2	0	--	10	.0	0	5	--	.1	10
20	0	2	0	3500	0	200	.0	1	0	--	.6	30
21	1	0	450	90	0	10	.0	2	9	--	3.2	320
22	--	0	4	10	--	10	.2	0	8	--	.2	20
23	1	1	3800	150	2	0	.0	1	1	--	7.9	80
24	--	--	--	3100	--	820	--	2	--	--	.0	--
25	--	3	0	670	--	60	.0	0	2	--	.4	0
26	--	2	2	40	--	5	.0	0	2	--	.4	10
27	--	2	1	130	--	20	.1	0	2	--	.5	0
28	0	--	--	5000	0	1800	.0	1	28	--	.1	20
29	0	0	2	0	4	0	.1	0	0	--	.4	620
30	--	2	1	80	--	0	.4	1	4	--	3.0	0
31	4	1	2700	110	27	10	.0	2	3	--	6.4	300
32	--	2	1	80	--	5	.0	0	2	--	.3	10
33	1	0	1	1500	0	90	.0	1	3	--	.3	130
34	1	0	2	10	1	280	.1	0	3	--	.4	30
35	0	0	9	0	2	0	.1	0	0	--	.4	160
36	--	0	4	50	--	40	.0	4	2	--	27	3

Table 4.--*Chemical and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	LATITUDE-LONGITUDE LOCATION	LOCAL IDENTIFIER	COUNTY	DATE OF SAMPLE (YR-M-D)	TIME	SITE	GEOLOGIC UNIT	DEPTH TO WATER (FT)	WELL DEPTH (FT)
37	401854107474901	SB00409314CBD1	081	75-08-07	----	GW	111VLFL	---	70
38	401904107060800	SB00408713AAD	107	75-11-10	1500	GW	211MVRD-KW	F	200
39	401906107472901	SB00409314BDD1	081	75-08-07	----	GW	111VLFL	---	100
40	401912107031300	SB00408616CBA	107	75-10-13	1600	GW	211MVRD-KI	F	122
41	401950107103300	SB00408709CBC	107	75-09-02	1400	GW	211MNCS	22	26
42	402005107200101	SB00408912ABD1	107	75-08-16	----	SP	211MVRD-KI	---	----
43	402013107245201	SB00508931DDC1	107	75-07-23	----	GW	211MNCS	---	100
44	402015107015500	SB00408610BAD	107	75-10-03	1500	GW	111VLFL	3	100
45	402041107013301	SB00508634CAB1	107	75-08-06	----	GW	211MVRD-KW	---	200
46	402049107325001	SB00509136AAA1	081	75-05-06	----	GW	211MVRD-KI	126	205
47	402050106475500	SB00508433DB8	107	75-08-16	1300	GW	122BRPK	21	48
48	402056106590901	SB00508636BDD1	107	75-07-23	----	GW	211MVRD-KW	---	500
49	402112107050801	SB00508630CCC1	107	75-08-06	----	GW	211MVRD-KW	---	350
50	402114107034300	SB00508629CDD1	081	75-09-26	1030	GW	211MVRD-KW	4	116
51	402114107034301	SB00508629CDD2	081	75-09-26	1500	GW	211MVRD-KW	F	246
52	402118107033101	SB00508629DCC1	107	75-06-05	----	GW	211MVRD-KW	F	----
53	402120106535201	SB00508526CCC1	107	75-07-07	----	GW	111VLFL	---	----
54	402124107031801	SB00508629DBB1	107	75-08-08	----	GW	211MVRD-KW	---	----
55	402149107013801	SB00508627BCA1	107	75-08-08	----	SP	111VLFL	---	----
56	402156107015201	SB00508627BBC1	107	75-08-08	----	GW	111VLFL	---	40
57	402202107022101	SB00508628ABB1	107	75-08-08	----	GW	111VLFL	---	30
58	402204107022801	SB00508628BAA1	107	75-08-06	----	GW	211MVRD-KW	---	----
59	402205107013201	SB00508627BAB1	107	75-08-06	----	GW	111VLFL	---	14
60	402208108034301	SB00509521DBA	081	75-06-27	----	GW	111VLFL	13	40
61	402212107011801	SB00508622DCC1	107	75-08-06	----	GW	211MVRD-KW	---	70
62	402212108034301	SB00509521ADC1	081	75-07-26	----	GW	111VLFL	F	300
63	402213107024401	SB00508621CCA1	107	75-08-06	----	SP	111VLFL	---	----
64	402216107390801	SB00509119CAB	081	75-05-30	----	GW	211MVRD-KW	86	----
65	402221107005201	SB00508622DAD1	107	75-08-06	----	SP	111VLFL	---	----
66	402222107113001	SB00508719CDA1	107	75-07-11	----	GW	211MVRD-KW	---	90
67	402250107151801	SB00508822BBC1	107	75-06-04	----	GW	211MVRD-KW	F	235
68	402316107282401	SB00509015ADC1	081	75-08-16	----	SP	211MVRD-KW	---	----
69	402327106590000	SB00508613ACC	107	75-10-15	1800	GW	211MVRD-KW	3	237
70	402334106475900	SB00508415BDC	107	75-08-16	1100	SP	122BRPK	---	----
71	402336106574400	SB00508518ACA	107	75-08-16	1500	GW	211MVRD-KW	---	105
72	402338106503600	SB00508417BCB	107	75-08-15	1800	GW	122BRPK	69	237
73	402344107195001	SB00508912CCD1	107	75-08-15	----	SP	211MVRD-KW	---	----
74	402346106590000	SB00508613ABB	107	75-10-15	1100	GW	111VLFL	9	100
75	402347107351900	SB00509110DCD	081	75-09-05	1330	SP	211MVRD-KW	---	----
76	402358106535900	SB00508511CCC	107	75-08-15	1330	GW	122BRPK	69	237

Table 4.--*Chemical and physical data for selected wells and springs--Continued*

INDEX NUMBER ON PLATE 2	TEMPERATURE (DEG C)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
37	18.0	7.5	1950	1220	1.66	820	350	473	99	140	100	8.2
38	9.0	7.4	1300	996	1.35	590	310	281	130	65	95	3.1
39	19.5	7.4	2600	1790	2.43	1300	720	545	110	240	160	11
40	9.0	8.7	900	522	.71	46	0	470	5.0	8.1	200	1.2
41	15.0	7.6	1240	919	1.25	710	370	340	120	100	34	2.9
42	10.0	7.2	1550	1060	1.44	780	530	248	150	99	33	6.7
43	11.0	7.4	630	338	.46	320	10	314	54	46	6.3	2.1
44	10.0	7.3	700	416	.57	330	0	353	82	30	34	5.4
45	14.0	7.3	850	664	.90	490	80	408	110	52	55	7.0
46	8.5	7.1	1120	738	1.00	620	120	504	140	66	21	2.1
47	14.0	7.0	355	256	.35	170	52	121	51	11	11	1.4
48	13.0	8.1	1350	786	1.07	12	0	583	3.1	1.1	310	2.8
49	11.0	7.3	630	357	.49	290	49	240	66	30	21	1.8
50	--	--	1200	856	1.16	13	0	556	3.3	1.1	330	1.9
51	--	--	1370	803	1.09	14	0	520	4.0	.9	310	1.9
52	19.0	8.2	1100	776	1.06	61	0	399	14	6.4	260	2.8
53	11.0	8.3	1020	629	.86	19	0	465	5.6	1.1	240	3.1
54	15.0	8.1	1450	943	1.28	26	0	410	7.6	1.6	330	2.4
55	11.0	7.1	350	192	.26	150	0	152	44	9.2	12	1.4
56	12.0	7.5	470	252	.34	200	14	189	53	17	13	.8
57	11.0	7.2	1250	772	1.05	190	0	363	47	17	210	2.5
58	15.0	7.4	420	245	.33	170	0	176	40	16	27	1.2
59	11.0	6.9	690	393	.53	290	42	247	81	21	33	1.7
60	11.0	7.0	2400	1840	2.50	1300	860	487	210	200	110	5.5
61	12.0	7.4	560	331	.45	240	39	203	67	18	24	.7
62	12.0	7.2	2000	1370	1.86	790	300	491	150	100	160	6.1
63	9.0	7.2	1400	956	1.30	660	280	379	170	57	73	2.9
64	11.5	7.3	1450	988	1.34	850	250	506	180	87	22	9.5
65	11.0	6.9	650	411	.56	310	72	235	82	25	21	1.7
66	10.0	7.2	1250	823	1.12	700	260	434	130	90	21	2.7
67	10.0	6.9	1500	720	.98	480	52	425	64	77	76	4.5
68	10.0	7.2	1350	865	1.18	660	300	376	140	88	34	6.0
69	9.0	8.0	1200	764	1.04	400	0	465	83	47	120	6.6
70	14.0	6.5	142	95	.13	50	0	53	15	3.0	7.0	1.6
71	12.0	7.3	505	334	.45	240	34	203	62	20	26	.8
72	15.0	7.5	1720	1070	1.46	89	0	134	35	.3	340	1.6
73	14.0	7.1	2100	1450	1.97	1100	600	482	170	160	87	5.4
74	9.0	8.2	2200	1660	2.26	850	480	374	200	85	230	7.1
75	10.0	7.4	1450	1020	1.39	800	440	365	170	92	32	6.7
76	10.0	7.3	520	354	.48	300	0	306	110	5.7	9.9	1.8

Table 4.--*Chemical and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	SODIUM AD-SORP-TION RATIO	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ANTI-MONY (SB) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)
37	1.5	577	0	49	.6	520	14	.03	.00	.01	--	0
38	1.7	343	0	5.0	.2	510	17	.06	.03	.02	--	--
39	2.0	665	0	170	.7	750	15	.53	.00	.00	--	0
40	13	573	0	7.6	.5	8.7	8.0	.00	.01	.02	--	--
41	.6	415	0	12	.3	420	10	3.5	.01	--	--	0
42	.5	302	0	23	.3	540	18	8.9	.10	.11	--	0
43	.2	383	0	2.7	.4	24	9.0	.93	.00	.02	--	0
44	.8	430	0	4.0	.2	34	13	.01	.00	.05	--	--
45	1.1	498	0	26	.3	120	8.1	8.8	.02	.04	--	0
46	.4	615	0	3.4	.2	170	25	.07	.03	.05	--	6
47	.4	147	0	13	.1	26	38	7.1	.06	--	--	0
48	39	711	0	6.3	2.4	100	8.7	.13	.00	.06	--	0
49	.5	292	0	8.3	.3	63	9.3	3.0	.00	.00	--	0
50	40	678	--	6.9	2.9	170	5.1	.02	.13	.33	--	--
51	36	634	--	4.2	1.7	160	7.4	.03	.04	.16	--	--
52	14	487	0	3.9	.7	240	7.5	.20	.03	.02	--	0
53	24	567	0	4.8	2.3	72	20	.02	.02	.08	--	160
54	28	500	0	3.9	.8	340	7.3	.61	.01	.03	--	0
55	.4	185	0	2.0	.1	19	13	.02	.00	.03	--	0
56	.4	230	0	3.4	.2	38	11	.02	.00	.02	--	0
57	6.7	443	0	12	.3	250	11	.80	.00	.02	--	0
58	.9	214	0	1.9	.1	39	13	.31	.01	.04	--	0
59	.8	301	0	14	.3	75	14	1.1	.00	.00	--	0
60	1.3	594	0	140	.9	860	14	2.1	.00	.02	--	1
61	.7	247	0	4.0	.7	38	18	8.8	.00	.01	--	0
62	2.5	549	0	17	.3	620	17	.05	.00	.01	--	0
63	1.2	462	0	6.6	.3	390	12	3.6	.01	.01	--	0
64	.3	727	0	7.0	.4	300	11	.28	.01	.01	--	0
65	.5	287	0	6.4	.3	50	12	16	.01	.01	--	0
66	.3	529	0	5.3	.5	290	18	.05	.00	.02	--	0
67	1.5	518	0	4.3	.1	220	14	.05	.01	.00	--	0
68	.6	458	0	12	.3	330	16	4.7	.10	.07	--	0
69	2.6	567	0	8.1	.4	210	8.1	.00	.00	.00	--	--
70	.4	65	0	1.7	.2	5.6	25	.92	.01	--	--	0
71	.7	248	0	3.0	.4	77	19	.80	.00	--	--	0
72	17	163	0	350	3.7	200	23	4.7	.00	--	--	5
73	1.2	588	0	44	.3	640	14	9.6	.01	.05	--	0
74	3.4	456	0	22	.3	880	7.7	.02	.00	.01	--	--
75	.5	445	0	26	.3	430	22	5.0	.05	--	--	1
76	.3	373	0	2.0	.2	5.1	32	.81	.06	--	--	2

Table 4.--*Chemical and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	DIS-SOLVED CADMIUM (CD) (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 MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED MOLYBDENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED VANADIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
37	0	0	0	3900	0	130	.0	1	0	--	.4	40
38	--	0	14	1200	--	60	.0	0	0	--	.0	60
39	0	0	410	10	3	20	.0	0	3	--	2.8	1000
40	--	0	0	20	--	10	.0	0	0	--	.0	10
41	--	--	--	10	--	0	--	--	--	--	--	--
42	0	0	80	60	1	0	.0	0	0	--	4.1	290
43	1	1	10	20	1	0	.0	1	3	--	.3	90
44	--	0	0	1300	--	70	.0	2	0	--	.6	20
45	0	0	3	0	2	700	.0	0	3	--	.4	470
46	1	33	1	4500	0	120	.0	1	0	--	.4	1600
47	--	--	--	50	--	0	--	--	--	--	--	--
48	0	1	0	10	0	0	.0	0	0	--	.4	830
49	0	0	3	0	1	30	.0	0	3	--	.1	70
50	--	--	--	190	--	10	--	9	--	--	2.9	--
51	--	--	--	210	--	30	--	3	--	--	.7	--
52	0	0	2	40	0	10	.0	0	2	--	.0	10
53	1	1	15	10	0	0	.0	4	1	--	.4	20
54	0	0	16	40	4	0	.1	0	0	--	.4	100
55	0	0	2	30	2	0	.1	0	3	--	.3	20
56	0	0	0	1600	2	310	.1	0	0	--	.4	50
57	0	0	3	10	2	60	.1	0	0	--	.0	40
58	1	0	35	10	0	20	.0	0	0	--	.3	130
59	0	0	5	20	0	60	.0	0	3	--	.2	20
60	2	1	3	80	3	90	.0	0	3	--	.4	100
61	0	0	5	0	1	20	.0	0	3	--	.4	30
62	1	1	1	2000	0	20	.0	0	3	--	.3	70
63	1	0	3	10	0	0	.0	0	0	--	.0	170
64	0	0	3	10	0	90	.0	0	2	--	.0	1000
65	0	0	8	0	2	10	.0	0	3	--	.4	60
66	1	1	1	3300	0	120	.0	0	2	--	.2	1200
67	0	0	0	2000	0	50	.1	0	1	--	.0	2200
68	0	0	7	20	0	0	.0	0	0	--	.8	50
69	--	0	0	1200	--	20	.0	0	3	--	.0	470
70	--	--	--	50	--	10	--	--	--	--	--	--
71	--	--	--	40	--	10	--	--	--	--	--	--
72	--	--	--	20	--	0	--	--	--	--	--	--
73	0	0	3	70	0	40	.0	0	0	--	.9	1600
74	--	0	0	160	--	300	.0	2	2	--	.1	130
75	--	--	--	0	--	0	--	--	--	--	--	--
76	--	--	--	20	--	0	--	--	--	--	--	--

Table 4.--*Chemical and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	LATITUDE-LONGITUDE LOCATION	LOCAL IDENTIFIER	COUNTY	DATE OF SAMPLE (YR-M-D)	TIME	SITE	GEOLOGIC UNIT	DEPTH TO WATER (FT)	WELL DEPTH (FT)
77	402414106585701	SB00508612DBB1	107	75-08-06	----	GW	211MVRD-KW	---	50
78	402423106552500	SB00508509ADC	107	75-08-19	1630	GW	122BRPK	10	150
79	402459107154901	SB00508804DBC1	107	75-08-29	----	GW	211MVRD-KW	---	80
80	402526107231601	SB00508904BBA1	107	75-07-15	----	GW	211MVRD-KW	11	----
81	402613107390801	SB00609131BBD	081	75-08-20	----	GW	211MVRD-KW	---	900
82	402627107115900	SB00608731BBB	107	75-09-02	1530	GW	211LWIS	---	----
83	402631106485700	SB00608433BAD	107	75-08-20	1000	GW	111VLFL	10	55
84	402633107080101	SB00608727DCA1	107	75-06-06	----	GW	111VLFL	F	10
85	402639106493600	SB00608429DDD	107	75-08-15	1630	GW	111VLFL	6	30
86	402643107153301	SB00608828DAD1	107	75-07-11	----	GW	211LWIS	---	160
87	402647106585000	SB00608625DBD	107	75-08-16	1600	GW	211MVRD-KI	---	12
88	402659107352801	SB00609127BDD1	081	75-08-28	----	GW	211MVRD-KW	---	1100
89	402709106591201	SB00608625DBD1	107	75-07-05	----	GW	211MVRD-KI	F	340
90	402709107252501	SB00608930BAB1	107	75-08-15	----	GW	211MVRD-KW	---	116
91	402734107301501	SB00609021CBC1	081	75-05-22	----	GW	211MVRD-KW	F	250
92	402738107011300	SB00608622DBC	107	75-09-02	1100	SP	211MVRD-KI	---	----
93	402802107571101	SB00609416CDA1	081	75-06-26	----	GW	111VLFL	---	----
94	402812107271401	SB00609014DCD1	081	75-08-15	----	GW	211LWIS	F	182
95	402814107321101	SB00609019BAB1	081	75-05-27	----	GW	211MVRD-KW	158	560
96	402852107125801	SB00608814ADA1	107	75-07-01	----	GW	211LWIS	---	35
97	402857107385101	SB00609118BAD1	081	75-06-17	----	GW	211LWIS	---	200
98	402916107061601	SB00608712DDA	081	75-07-02	----	GW	211MNCS	---	----
99	402918107333201	SB00609112CCA1	081	75-05-29	----	GW	211MVRD-KW	55	600
100	402931107311401	SB00609008BCD1	081	75-05-23	----	GW	111VLFL	4	18
101	402932107171801	SB00608808CAB1	107	75-08-27	----	GW	111VLFL	5	8
102	402955108023301	SB00609503DAB	081	75-06-26	----	GW	111VLFL	42	112
103	403012106542201	SB00608503CAD1	107	75-07-09	----	GW	111VLFL	---	18
104	403017106523701	SB00608501CBC1	107	75-08-28	----	GW	111VLFL	---	25
105	403025106575201	SB00608506CAA1	107	75-07-04	----	GW	111VLFL	1	----
106	403032107115701	SB00608801ADC1	107	75-07-02	----	GW	111VLFL	---	----
107	403035107304401	SB00609005ACB1	081	75-08-27	----	GW	111VLFL	---	43
108	403040107420801	SB00709234DBD1	081	75-06-25	----	GW	120TRTR	---	140
109	403112107075200	SB00708734DBA	107	75-08-21	1300	SP	211MVRD-KW	---	----
110	403129106570801	SB00708532BCB1	107	75-07-03	----	GW	211MNCS	---	220
111	403132107152501	SB00708827CBC1	107	75-07-01	----	GW	211LWIS	1	----
112	403218107162400	SB00708829BDB	107	75-09-03	1600	SP	211CRCSU	---	----
113	403235107243001	SB00708920CCC1	081	75-07-16	----	GW	124EOCN	---	320
114	403258106531300	SB00708523DBB	107	75-08-20	1700	GW	211MNCS	81	260
115	403303107185600	SB00708924ADD	107	75-09-04	1000	GW	211CRCSU	---	----
116	403334106510000	SB00708418DCD	065	75-07-29	----	GW	----------	---	----

Table 4.--*Chemical and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	TEMPERATURE (DEG C)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
77	11.0	7.3	1020	639	.87	320	0	348	69	35	110	2.3
78	11.0	8.5	185	176	.24	49	0	133	17	1.7	38	4.1
79	13.0	7.3	1500	1050	1.43	630	240	393	130	75	110	3.6
80	12.0	7.1	2080	1460	1.99	1100	760	315	200	140	71	6.2
81	15.0	7.3	800	519	.71	150	0	427	30	19	150	4.2
82	12.0	7.4	1110	720	.98	430	4	426	78	57	98	4.4
83	14.0	7.4	140	105	.14	61	0	75	17	4.5	6.4	1.7
84	20.5	7.5	1450	1050	1.43	820	360	457	200	77	31	4.1
85	17.0	6.8	220	127	.17	88	0	94	27	4.9	7.9	1.3
86	12.0	8.2	2000	1360	1.85	24	0	1190	4.3	3.1	570	2.2
87	14.0	7.4	660	471	.64	380	29	354	99	33	25	5.7
88	14.0	7.2	950	600	.82	330	0	372	84	28	93	2.5
89	13.0	7.4	900	541	.74	250	0	381	44	33	120	4.0
90	13.0	7.6	1500	892	1.21	52	0	490	11	6.0	320	2.7
91	12.0	8.6	860	550	.75	11	0	435	3.7	.4	220	1.3
92	10.5	8.8	1110	737	1.00	20	0	598	4.9	1.9	290	1.4
93	31.0	8.0	1850	1180	1.60	11	0	902	3.8	.3	490	3.1
94	16.0	8.2	1400	833	1.13	6	0	680	1.6	.6	340	1.6
95	18.0	7.8	1160	784	1.07	320	2	316	73	33	150	3.2
96	12.0	7.3	1200	743	1.01	450	200	255	99	50	86	3.5
97	10.5	8.1	6000	4230	5.75	68	0	1010	11	9.9	1500	4.4
98	9.0	7.1	800	501	.68	400	100	299	87	44	30	3.6
99	14.0	8.8	1190	653	.89	5	0	551	.9	.6	270	.9
100	11.5	7.6	3650	2750	3.74	950	250	700	100	170	580	5.4
101	13.0	7.2	1850	1140	1.55	550	25	522	71	90	210	1.9
102	15.0	7.3	600	409	.56	120	0	237	37	6.6	84	7.4
103	12.0	7.0	260	156	.21	110	25	86	34	6.3	9.3	1.6
104	12.0	7.5	420	244	.33	150	26	123	43	10	22	2.5
105	12.0	7.3	450	270	.37	220	29	191	55	20	13	2.8
106	11.0	6.9	400	255	.35	170	45	122	49	11	23	2.3
107	13.0	7.0	3900	2970	4.04	1100	710	395	210	140	560	9.1
108	11.0	7.6	400	260	.35	190	22	169	64	7.5	7.6	2.8
109	12.5	7.2	580	389	.53	310	140	163	82	25	11	3.5
110	12.0	8.7	3200	1820	2.48	10	0	1130	2.2	1.2	760	1.5
111	11.0	7.0	1300	904	1.23	630	270	360	160	57	63	4.1
112	9.0	8.0	800	501	.68	370	64	306	84	39	30	2.1
113	16.0	8.3	800	476	.65	12	0	306	3.8	.6	190	1.1
114	14.0	7.9	3800	2590	3.52	23	0	1800	5.7	2.1	1000	2.6
115	9.0	7.3	690	569	.77	350	0	378	87	33	70	2.6
116	64.0	7.6	830	552	.75	35	0	112	13	.4	160	9.0

Table 4.--*Chemical and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	SODIUM ADSORPTION RATIO	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ANTIMONY (SB) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)
77	2.7	424	0	11	.6	190	11	.02	.01	.00	--	0
78	2.4	162	0	2.3	.2	4.0	28	.05	.02	--	--	1
79	1.9	479	0	9.0	.2	470	14	.02	.01	.00	0	0
80	.9	384	0	18	.1	810	18	.71	.00	.02	--	1
81	5.3	520	0	3.0	1.2	40	15	.01	.01	.00	0	1
82	2.1	519	0	8.5	.3	190	7.8	4.6	.01	--	--	1
83	.4	91	0	2.0	.1	1.7	26	.11	.01	--	--	0
84	.5	557	0	21	.3	420	14	1.0	.04	.03	--	0
85	.4	115	0	.5	.1	8.1	18	.52	.04	--	--	0
86	51	1450	0	21	3.0	30	8.8	.04	.14	.22	--	0
87	.6	432	0	9.1	.4	64	19	.34	.00	--	--	0
88	2.2	454	0	5.7	.4	140	22	.05	.01	.00	0	1
89	3.3	464	0	6.7	.2	92	12	.02	.00	.02	--	1
90	19	598	0	6.5	1.1	240	10	.02	.06	.12	--	0
91	29	530	0	1.8	1.0	50	7.8	.52	.10	.14	--	0
92	28	465	130	3.0	.6	67	8.3	.04	.07	--	--	0
93	65	1100	0	90	3.7	9.5	33	.02	.02	.01	--	1
94	58	490	167	7.7	.7	61	10	.06	.29	.38	--	0
95	3.7	385	0	7.7	.1	310	15	.04	.00	.01	--	0
96	1.8	311	0	75	.4	190	19	15	.01	.05	--	0
97	79	1230	0	190	2.4	1900	6.8	.02	.05	.09	--	0
98	.7	364	0	6.0	.4	130	16	1.0	.01	.01	--	0
99	54	578	46	2.5	1.4	37	8.0	.02	.04	.01	--	0
100	8.2	853	0	58	.6	1400	18	.13	.04	.02	--	0
101	3.9	637	0	61	.7	370	16	.02	.01	.00	0	1
102	3.3	269	0	2.5	.6	75	53	.01	.12	.13	--	5
103	.4	105	0	6.3	.4	35	11	.06	.00	.03	--	0
104	.8	150	0	8.6	.3	66	17	.02	.01	.00	0	1
105	.4	233	0	2.5	.3	49	9.1	.81	.01	.01	--	0
106	.8	149	0	9.5	.2	72	12	.32	.01	.02	--	0
107	7.3	481	0	170	.5	1600	17	6.4	.10	.15	0	0
108	.2	206	0	6.5	.1	10	36	5.4	.02	.03	--	?
109	.3	149	0	3.4	.2	150	14	.03	.04	--	--	1
110	102	1080	148	350	4.8	12	7.3	.02	.00	.12	--	0
111	1.1	439	0	48	.4	290	10	12	.00	.01	--	?
112	.7	373	0	3.9	.2	55	10	21	.00	--	--	0
113	24	446	0	7.3	2.7	42	8.4	.02	.03	.03	--	0
114	91	2200	0	300	5.1	38	150	.08	.04	--	--	0
115	1.6	461	0	19	.3	110	11	1.9	.01	--	--	0
116	12	136	0	140	18	47	97	.00	.01	--	--	38

Table 4.--*Chemical and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	DIS-SOLVED CADMIUM (CD) (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 MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED MOLYBDENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED VANADIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
77	0	0	0	460	0	40	.0	0	3	--	.0	40
78	--	--	--	50	--	20	--	--	--	--	--	--
79	0	--	--	250	0	410	.0	0	1	--	.1	40
80	1	1	1	1200	1	70	.0	0	3	--	.0	810
81	0	--	--	200	1	0	.0	0	1	--	1.6	10
82	--	--	--	10	--	100	--	--	--	--	--	--
83	--	--	--	140	--	30	--	--	--	--	--	--
84	4	0	300	90	0	10	.0	0	0	0	.8	20
85	--	--	--	40	--	0	--	--	--	--	--	--
86	0	2	2	60	1	0	.0	0	3	--	.2	20
87	--	--	--	680	--	200	--	--	--	--	--	--
88	0	--	--	490	1	20	.0	0	0	--	.0	220
89	0	0	1	150	1	30	.0	0	3	0	.0	50
90	0	0	1	50	0	0	.0	0	0	--	.4	0
91	1	0	20	90	2	5	.0	1	0	--	.0	2
92	--	--	--	60	--	10	--	--	--	--	--	--
93	0	0	5	20	2	10	.0	0	1	--	.9	30
94	0	0	4	70	0	0	.0	0	0	--	.9	10
95	1	0	0	110	3	90	.1	0	0	--	.0	2200
96	2	0	190	30	4	10	.0	7	0	--	.0	60
97	0	1	4	120	2	10	.0	2	0	--	2.8	100
98	0	0	0	10	1	0	.0	0	0	--	.0	0
99	1	0	20	90	2	0	.0	1	0	--	.0	70
100	1	0	5	130	1	120	.0	11	3	--	.0	120
101	0	--	--	2500	0	620	.0	15	1	--	1.0	40
102	0	0	4	30	1	10	.0	1	2	--	2.1	310
103	1	1	40	40	1	70	.0	5	3	--	.6	60
104	1	--	--	40	1	540	.0	1	2	--	.4	60
105	2	0	8	30	1	0	.0	0	3	--	.6	90
106	0	0	0	1300	2	10	.1	0	0	--	.0	170
107	3	--	--	20	2	0	.1	7	2	--	2.8	30
108	1	1	23	50	2	0	.0	0	3	--	5.4	100
109	--	--	--	650	--	840	--	--	--	--	--	--
110	1	0	5	40	4	0	.0	1	0	--	9.6	10
111	2	1	8	130	2	20	.0	2	9	--	.8	1700
112	--	--	--	0	--	0	--	--	--	--	--	--
113	0	1	4	80	2	10	.0	0	3	--	.0	5
114	--	--	--	0	--	10	--	--	--	--	--	--
115	--	--	--	20	--	60	--	--	--	--	--	--
116	0	<4	1	50	<4	5	.0	28	<4	0	<4.0	0

Table 4.--*Chemical and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	LATITUDE-LONGITUDE LOCATION	LOCAL IDENTIFIER	COUNTY	DATE OF SAMPLE (YR-M-D)	TIME	SITE	GEOLOGIC UNIT	DEPTH TO WATER (FT)	WELL DEPTH (FT)
116	403334106510000	SB00708418DCD	065	75-10-07	0930	GW	----------	---	----
			065	76-01-13	1315	GW	----------	---	----
			065	76-04-06	1200	GW	----------	---	----
117	403412107052100	SB00708713AAA	107	75-08-21	1130	SP	211MNCS	---	----
118	403415107111100	SB00708718ABA	107	75-09-03	1100	SP	211LWIS	---	----
119	403516107042501	SB00708606DCD1	107	75-07-03	----	GW	211MNCS	---	235
120	403534107281700	SB00709003DAB	081	75-09-04	1630	GW	125FRUN	23	80
121	403551107124200	SB00708801BAC	107	75-09-02	1800	SP	211LWIS	---	----
122	403646107223700	SB00808933ABD	081	75-09-04	1500	GW	125FRUN	---	30
123	403754107002301	SB00808623CCD1	107	75-07-02	----	GW	111VLFL	6	20
124	403832107004800	SB00808622AAC	107	75-08-20	1430	SP	122BRPK	---	----
125	403835107161900	SB00808821BBA	107	75-09-03	1400	SP	211LWIS	---	----
126	403912106565000	SB00808517BDD	107	75-08-20	1330	GW	111VLFL	4	35
127	403949107235800	SB00808908DBB	081	75-09-04	1300	GW	125FRUN	32	40
128	404448107323500	SB00909112DDC	081	75-09-06	1300	SP	124WSTC	---	----
129	404815107062401	SB1008723ADD1	107	75-06-30	----	GW	211LWIS	4	20

Table 4.--*Chemical and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	TEMPERATURE (DEG C)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
116	64.0	6.5	890	518	.70	19	0	113	7.3	.2	160	8.1
	64.0	9.3	810	521	.71	20	0	114	7.7	.1	160	8.5
	64.0	7.8	1000	527	.72	20	0	114	7.7	.1	160	8.8
117	12.0	7.8	825	540	.73	450	170	284	81	60	22	3.0
118	16.0	7.5	480	301	.41	190	0	221	45	18	35	2.5
119	12.0	7.4	1350	857	1.17	340	0	587	65	43	200	3.8
120	14.5	7.8	675	440	.60	160	0	256	55	5.0	96	2.5
121	15.0	8.6	485	323	.44	170	0	193	41	17	42	3.4
122	14.0	6.5	1125	717	.98	390	320	75	100	34	61	4.1
123	11.0	6.8	600	371	.50	290	50	236	67	29	17	2.0
124	9.0	7.0	180	152	.21	91	0	98	30	3.9	5.2	2.7
125	12.5	8.0	455	272	.37	220	0	225	62	17	10	.5
126	14.0	6.1	135	82	.11	58	0	61	16	4.5	3.6	1.4
127	10.0	7.4	720	457	.62	310	11	295	88	21	43	.7
128	--	--	605	372	.51	150	0	294	36	14	90	9.4
129	7.0	6.3	110	80	.11	47	0	48	14	2.9	5.2	1.8

Table 4.--*Chemical and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	SODIUM AD-SORP-TION RATIO	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ANTI-MONY (SB) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)
116	16	138	0	130	14	49	80	.00	.02	--	--	85
	16	139	0	120	16	54	86	.01	.04	--	--	--
	16	139	0	130	17	45	89	.02	.05	--	--	--
117	.5	346	0	3.6	.2	190	9.6	.02	.00	--	--	0
118	1.1	269	0	2.5	.2	49	16	.08	.01	--	--	0
119	4.7	716	0	6.9	1.0	160	10	2.3	.00	.01	--	0
120	3.3	312	0	13	.3	99	14	.06	.01	--	--	0
121	1.4	235	0	2.8	.2	79	21	.13	.04	--	--	0
122	1.3	91	0	95	.3	180	32	37	.16	--	--	1
123	.4	288	0	8.4	.3	55	18	6.9	.00	.02	--	0
124	.2	119	0	1.7	.2	4.1	45	.12	.06	--	--	1
125	.3	274	0	1.9	.3	21	24	.07	.00	--	--	1
126	.2	74	0	1.5	.1	4.3	11	.01	.00	--	--	0
127	1.1	360	0	32	.3	63	22	2.1	.01	--	--	2
128	3.2	359	--	8.9	.5	32	2.0	.27	.04	--	--	8
129	.3	58	0	2.7	.1	5.6	16	.48	.12	.11	--	0

Table 4.--*Chemical and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	DIS-SOLVED CAD-MIUM (CD) (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 MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
116	0	--	--	60	--	10	.0	--	--	--	--	10
	--	--	--	0	--	0	--	--	--	--	--	--
	--	--	--	110	--	10	--	--	--	--	--	--
117	--	--	--	90	--	70	--	--	--	--	--	--
118	--	--	--	10	--	0	--	--	--	--	--	--
119	0	1	4	20	2	40	.0	11	1	--	.8	4500
120	--	--	--	600	--	200	--	--	--	--	--	--
121	--	--	--	10	--	10	--	--	--	--	--	--
122	--	--	--	830	--	40	--	--	--	--	--	--
123	1	0	3	40	2	0	.0	0	0	0	.2	1500
124	--	--	--	40	--	10	--	--	--	--	--	--
125	--	--	--	10	--	40	--	--	--	--	--	--
126	--	--	--	3100	--	40	--	--	--	--	--	--
127	--	--	--	30	--	0	--	--	--	--	--	--
128	--	--	--	230	--	260	--	--	--	--	--	--
129	8	0	10	180	8	10	.0	0	60	--	2.0	210

Table 5.--*Field analyses and physical data for selected wells and springs*

EXPLANATION OF HEADING INFORMATION

COUNTY:

081	= MOFFAT (CO)
103	= RIO BLANCO (CO)
107	= ROUTT (CO)

SITE:

GW	= WELL
SP	= SPRING

GEOLOGIC UNIT:

111VLFL	= VALLEY-FILL DEPOSITS
122BRPK	= BROWNS PARK FORMATION
124WSTC	= WASATCH FORMATION
125FRUN	= FORT UNION FORMATION
211CRCSU	= LANCE FORMATION
211MNCS	= MANCOS SHALE
211MVRD-KI	= MESAVERDE GROUP, ILES FORMATION
211MVRD-KW	= MESAVERDE GROUP, WILLIAMS FORK FORMATION

Table 5.--*Field analyses and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	LATITUDE-LONGITUDE LOCATION	SEQ. NO.	LOCAL IDENTIFIER	COUNTY	DATE OF SAMPLE (YR-M-D)	SITE	GEOLOGIC UNIT	DEPTH TO WATER (FT)	WELL DEPTH (FT)	TEMPERATURE (DEG C)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)
1	4000111074907	01	SB00109303BAD1	103	75-07---	GW	111VLFL	---	----	10	7.9	700
2	4004241074958	01	SB00109309BDB1	103	75-06---	GW	211MNCS	7	53	--	---	----
3	4003551074838	01	SB00109310CDA	103	75-06---	GW	211MNCS	33	60	12	7.8	580
4	4003381075005	01	SB00109316BBD1	103	75-06---	GW	211MNCS	18	----	10	7.2	1800
5	4002021075645	01	SB00109330AAB1	103	75-07---	GW	111VLFL	2	----	--	7.9	500
6	4000181075201	01	SB00109331DCC1	103	--------	GW	111VLFL	---	15	--	7.9	750
7	4001071074909	01	SB00109334CCB1	103	--------	GW	111VLFL	---	45	13	8.0	800
8	4005191075838	01	SB00109406ABD1	103	75-07---	GW	124WSTC	---	165	14	7.6	3400
9	4003081075836	01	SB00109418DBA1	103	75-07---	GW	124WSTC	---	280	15	8.0	6500
10	4003161075845	01	SB00109418DBB1	103	75-07---	GW	111VLFL	8	20	15	7.5	1550
11	4002051075920	01	SB00109419CCC1	103	75-07---	GW	111VLFL	---	50	15	7.8	650
12	4002131075402	01	SB00109423DDB	103	75-07---	GW	111VLFL	---	21	12	8.0	1800
13	4001161075320	01	SB00109425CDD1	103	75-07---	GW	111VLFL	17	35	12	8.0	700
14	4001391075346	01	SB00109426ADD1	103	75-07---	GW	111VLFL	---	----	14	7.9	750
15	4001461075222	01	SB00109427ACB1	103	--------	GW	111VLFL	---	35	15	7.9	950
16	4001541075605	01	SB00109428AAD1	103	75-07---	GW	211MVRD-KI	---	96	13	6.6	6000
17	4001421075805	01	SB00109429BCD1	103	75-07---	GW	111VLFL	---	58	17	7.3	1200
18	4001241075730	01	SB00109429DBD1	103	--------	GW	211MVRD-KW	---	100	15	7.3	2400
19	4001131075821	01	SB00109430DDD1	103	75-07---	GW	111VLFL	---	18	10	7.2	2000
20	4000531075839	01	SB00109431ACA1	103	75-07---	GW	111VLFL	---	20	10	---	2900
21	4000361075803	01	SB00109432CBA1	103	75-07---	GW	211MVRD-KW	---	175	10	7.3	5000
22	4001091075621	01	SB00109433ABA1	103	75-07---	GW	111VLFL	---	120	10	6.9	1100
23	4000301075528	01	SB00109434CDA1	103	--------	GW	111VLFL	6	40	14	8.0	580
24	4008451074749	01	SB00209314BCA	103	75-05---	GW	211MVRD-KW	3	73	10	8.2	720
25	4008191075043	01	SB00209317DCA	103	75-06---	GW	211MVRD-KW	10	26	--	---	----
26	4008551075750	01	SB00209417BAA1	103	75-07---	GW	211MVRD-KW	---	100	9	7.8	3100
27	4006431075519	01	SB00209427DBB1	103	75-07---	GW	211MVRD-KW	---	----	10	7.3	3600
28	4010381080028	01	SB00209501BBB1	103	75-07---	GW	211MVRD-KW	---	40	9	7.4	5500
29	4009431075947	01	SB00209512ABD1	103	75-07---	GW	124WSTC	---	40	18	7.5	2400
30	4006471075926	01	SB00209525DAA1	103	75-07---	GW	124WSTC	---	140	15	8.4	3000
31	4015511065412	01	SB00308503ADB1	107	75-07---	GW	211MNCS	---	----	15	7.1	910
32	4015521070353	01	SB00308605ACB1	107	75-07---	GW	111VLFL	---	----	14	7.4	740
33	4015451073423	01	SB00309102ACD	081	75-06---	SP	211MNCS	---	----	14	7.2	550
34	4015001073634	01	SB00309103AAC	081	75-06---	GW	111VLFL	2	8	8	7.3	830
35	4014071073523	01	SB00309115AAC	081	75-06---	GW	111VLFL	---	8	14	7.2	650

Table 5.--*Field analyses and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	LATITUDE-LONGITUDE LOCATION	SEQ. NO.	LOCAL IDENTIFIER	COUNTY	DATE OF SAMPLE (YR-M-D)	SITE	GEOLOGIC UNIT	DEPTH TO WATER (FT)	WELL DEPTH (FT)	TEMPERATURE (DEG C)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)
36	4013511073629	01	SB00309116DAA	081	75-06---	GW	211MNCS	6	----	19	7.2	1670
37	4014171074546	01	SB00309209CDA	081	75-06---	GW	211MVRD-KW	---	60	--	---	----
38	4015331074721	01	SB00309302BDA	081	74-09---	GW	111VLFL	4	12	--	---	----
39	4015071074759	01	SB00309302CCC	081	74-09---	GW	211MVRD-KW	164	200	--	---	----
40	4015311075005	01	SB00309304BCD	081	74-08-13	GW	211MVRD-KW	78	----	--	---	----
41	4015071074935	01	SB00309304DCD	081	74-08-21	GW	211MVRD-KW	140	217	--	---	----
42	4015471075115	01	SB00309305CCA	081	74-09-27	GW	111VLFL	13	20	--	---	----
43	4014531075006	01	SB00309309BBD	081	74-11-12	GW	211MVRD-KW	28	96	--	---	----
44	4015161074919	01	SB00309309DAC	081	74-11-12	GW	211MVRD-KW	24	96	--	---	----
45	4014571074005	01	SB00309309DAD	081	74-10-03	GW	211MVRD-KW	26	80	--	---	----
46	4014441074832	01	SB00309310BDC	081	74-09-17	GW	211MVRD-KW	14	25	--	---	----
47	4015031074601	01	SB00309312AAB	081	75-06-18	GW	111VLFL	20	----	14	7.6	1750
48	4013081081358	01	SB00309520AAD1	103	--------	GW	124WSTC	---	----	17	7.0	1800
49	4012411080135	01	SB00309523CBC1	103	75-07---	GW	111VLFL	---	30	18	7.2	4000
50	4012091080111	01	SB00309526BAD1	103	75-07---	GW	211MVRD-KW	---	----	8	7.4	4200
51	4012061080300	01	SB00309528ADC1	103	--------	GW	124WSTC	---	150	12	8.6	2500
52	4011051080029	01	SB00309536CBB1	103	75-07---	GW	111VLFL	---	14	13	7.6	950
53	4018571065731	01	SB00408517CCB1	107	75-07---	GW	111VLFL	9	----	10	7.0	800
54	4016111065750	01	SB00408531DDC1	107	75-07---	GW	111VLFL	4	30	14	7.2	420
55	4019221070507	01	SB00408618BDA	107	75-09-29	GW	211MVRD-KW	70	180	--	---	----
56	4018371070545	01	SB00408719BBD	107	75-09-29	GW	211MVRD-KW	58	111	--	---	----
57	4017541070205	01	SB00408622CCC1	107	75-07---	GW	111VLFL	---	----	13	7.4	320
58	4019391070912	01	SB00408710CCD1	107	75-07---	GW	111VLFL	---	8	18	7.3	1800
59	4018261070704	01	SB00408724BCB	107	75-09-29	GW	211MVRD-KW	43	145	--	---	----
60	4018041070621	01	SB00408724DBD	107	75-09-29	GW	211MVRD-KW	225	263	--	---	----
61	4017351071042	01	SB00408729ADA1	107	75-07---	GW	211MNCS	0	8	14	7.6	1130
62	4017021071115	01	SB00408729CDD1	107	75-07---	GW	211MNCS	0	300	12	7.7	>8000
63	4019041072026	01	SB00408913BDC1	107	75-07-11	GW	111VLFL	5	----	--	7.0	800
64	4019131072143	01	SB00408914BBD1	107	75-07-11	GW	111VLFL	---	----	14	7.2	630
65	4019091072217	01	SB00408915ACA1	107	75-07-22	GW	111VLFL	---	20	10	7.1	1320
66	4019151072443	01	SB00408917ABC1	107	75-07-22	GW	111VLFL	---	20	16	7.0	700
67	4019411073259	01	SB00409007CAA	081	75-06-06	SP	211MVRD-KI	---	----	12	7.3	535
68	4018471073148	01	SB00409017CAD	081	75-06-09	GW	211MNCS	---	----	10	7.2	1160
69	4017291073127	01	SB00409029ABA	081	75-06-09	GW	211MVRD-KW	---	----	9	7.3	1140
70	4019531073847	01	SB00409107DDB	081	75-06-11	GW	111VLFL	8	49	10	7.3	1350

Table 5.--*Field analyses and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	LATITUDE-LONGITUDE LOCATION	SEQ. NO.	LOCAL IDENTIFIER	COUNTY	DATE OF SAMPLE (YR-M-D)	SITE	GEOLOGIC UNIT	DEPTH TO WATER (FT)	WELL DEPTH (FT)	TEMPERATURE (DEG C)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)
71	4019441073529	01	SB00409110DDB	081	75-05-04	GW	211MVRD-KI	10	----	--	---	----
72	4018551073514	01	SB00409115DAD	081	75-06-24	GW	211MVRD-KI	20	25	--	---	----
73	4018571073852	01	SB00409118DDB	081	75-06-11	GW	111VLFL	5	----	--	---	----
74	4019361074508	01	SB00409207DBC	081	75-06-24	GW	211MNCS	---	----	12	7.5	2650
75	4019431073924	01	SB00409212DCA	081	75-06-10	GW	211MNCS	---	150	--	---	----
76	4018291074405	01	SB00409220ABC	081	75-06-12	GW	211MNCS	59	63	12	7.1	990
77	4018381074116	01	SB00409223BBB	081	75-06-12	GW	211MVRD-KI	0	2931	13	7.5	1300
78	4017411074539	01	SB00409230BBC	D81	75-06-12	GW	111VLFL	1	30	14	7.4	1500
79	4019441074649	01	SB00409312CBC	081	75-06-24	GW	111VLFL	2	30	--	---	----
80	4018061074709	01	SB00409323DAB	081	75-06-12	GW	211MNCS	36	120	--	---	----
81	4017081074733	01	SB00409326CAD	081	75-06-13	GW	211MVRD-KI	21	27	14	8.1	1050
82	4019261075444	01	SB00409414AAA1	081	75-07-26	SP	211MVRD-KI	---	----	14	7.0	1325
83	4020121080426	01	SB00409517ADC	081	75-06-27	GW	211MVRD-KW	18	----	9	7.1	1500
84	4016401080551	01	SB00409531BAC	081	75-07-28	GW	211MVRD-KW	---	160	16	6.8	2100
85	4019121080729	01	SB00409614AAC1	081	75-07-26	GW	124WSTC	---	225	11	7.2	1350
86	4024381065720	01	SB00508508BBC1	107	75-07-05	GW	122BRPK	---	90	15	7.8	350
87	4021571065431	01	SB00508527ABC	107	75-07-05	GW	111VLFL	1	17	17	7.3	200
88	4021571065838	01	SB00508625AAC1	107	75-07-22	GW	111VLFL	---	20	8	7.4	600
89	4021281065839	01	SB00508625DDB1	107	75-07-23	GW	111VLFL	---	15	13	7.2	750
90	4022021071608	01	SB00508809CDB1	107	75-07-11	GW	111VLFL	15	15	13	7.1	1450
91	4022501071521	01	SB00508822BBB	107	75-06---	GW	211MVRD-KW	0	219	10	7.5	1090
92	4022081073152	01	SB00509019DAC	081	75-05-30	GW	111VLFL	---	50	12	7.5	1220
93	4022081073042	01	SB00509020DAC	081	75-06-09	GW	211MVRD-KI	---	480	--	---	----
94	4022041073045	01	SB00509020DAC1	081	75-06-09	GW	111VLFL	---	35	16	7.2	1440
95	4022031073046	01	SB00509020DAC2	081	75-06-09	GW	211MNCS	0	460	12	8.4	2800
96	4022011073046	01	SB00509020DDB	081	75-06-09	GW	111VLFL	21	30	12	7.4	1130
97	4021291072652	01	SB00509025BCD1	081	75-07-23	SP	211MVRD-KI	0	5	--	7.2	1400
98	4021461072946	01	SB00509028ABA1	081	75-07-23	GW	111VLFL	1	12	15	7.1	1475
99	4025181073818	01	SB00509106ADA	081	75-05-29	GW	211MVRD-KI	---	----	10	7.3	1260
100	4022441073854	01	SB00509119ABB	081	75-05-30	GW	211MVRD-KW	---	180	--	---	----
101	4022281073859	01	SB00509119BDA	081	75-05-30	GW	211MVRD-KI	---	320	11	7.2	1480
102	4022111073619	01	SB00509121DAC	081	75-05-30	GW	111VLFL	39	53	16	7.6	820
103	4022111073637	01	SB00509121DBC	081	75-06-10	GW	111VLFL	7	190	25	7.8	1750
104	4022111073635	01	SB00509121DBC	081	75-05-30	GW	211MNCS	1	250	10	8.0	1580
105	4022121073634	01	SB00509121DBC	081	75-05-30	GW	111VLFL	15	25	12	7.6	4800

Table 5.--*Field analyses and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	LATITUDE-LONGITUDE LOCATION	SEQ. NO.	LOCAL IDENTIFIER	COUNTY	DATE OF SAMPLE (YR-M-D)	SITE	GEOLOGIC UNIT	DEPTH TO WATER (FT)	WELL DEPTH (FT)	TEMPERATURE (DEG C)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)
106	4021231073653	01	SB00509128CAB	081	75-06-20	GW	111VLFL	---	12	16	8.6	1520
107	4021161073618	01	SB00509128DAC	081	75-06-10	GW	211MNCS	---	----	12	8.4	1550
108	4020191073853	01	SB00509131DBB	081	75-06-11	GW	211MNCS	61	500	11	---	5400
109	4020131073749	01	SB00509132CDA	081	75-06-10	GW	211MNCS	0	380	14	7.1	2100
110	4021471074139	01	SB00509223CCC	081	75-05-30	GW	211MVRD-KI	---	190	--	---	----
111	4020011074813	01	SB00509335CDC	081	75-06-24	GW	211MNCS	7	70	--	---	----
112	4022231075336	01	SB00509424ABC1	081	73-12-06	GW	211MNCS	0	1200	--	---	----
113	4024561080410	01	SB00509504BDB	081	75-06-27	GW	122BRPK	197	240	15	6.8	1270
114	4021361080416	01	SB00509528BAB	081	75-06-27	GW	111VLFL	22	----	10	7.1	2450
115	4015111080427	01	SB00509533CCB	081	75-06-27	GW	111VLFL	31	----	9	7.2	2075
116	4030251065401	01	SB00608503ADC1	107	75-07-08	GW	111VLFL	---	----	12	7.0	1250
117	4030041065500	01	SB00608503	107	75-07-08	GW	111VLFL	---	12	15	7.1	700
118	4030151065610	01	SB00608505DAD1	107	75-07-08	GW	111VLFL	---	20	11	7.1	570
119	4029141065821	01	SB00608507BCB1	107	75-07-04	GW	111VLFL	---	15	12	6.8	310
120	4029151065811	01	SB00608507CDB1	107	75-07-05	GW	111VLFL	---	40	8	7.1	195
121	4029231065740	01	SB00608507DBD1	107	75-07-05	GW	211MNCS	---	70	15	7.1	820
122	4029311065655	01	SB00608508CAB1	107	75-07-05	GW	111VLFL	3	12	13	7.0	320
123	4029291065507	01	SB00608509DAA1	107	75-07-08	GW	211MNCS	---	405	18	8.5	1900
124	4029071065503	01	SB00608509DDD1	107	75-07-08	GW	211MNCS	---	150	11	7.2	550
125	4029441065413	01	SB00608510ACA1	107	75-07-08	GW	211MNCS	---	120	11	7.2	650
126	4025351065823	01	SB00608531CCC1	107	75-07-05	GW	211MNCS	---	----	11	8.6	750
127	4029301070200	01	SB00608609DAB1	107	75-07-08	GW	211MVRD-KW	---	100	17	7.0	540
128	4029311070209	01	SB00608609DCD1	107	75-07-08	GW	111VLFL	---	----	12	7.1	1000
129	4029091070109	01	SB00608610DCC1	107	75-07-04	GW	111VLFL	---	----	13	7.3	700
130	4029101070021	01	SB00608611CDC1	107	75-07-05	GW	111VLFL	---	75	11	7.3	780
131	4029141065948	01	SB00608611DCD1	107	75-07-08	GW	111VLFL	9	50	11	7.3	900
132	4029081065842	01	SB00608613ABA1	107	75-07-08	GW	211MNCS	---	200	14	7.1	780
133	4028591070108	01	SB00608615ABC1	107	75-07-04	GW	211MVRD-KI	---	100	11	6.8	220
134	4029001070119	01	SB00608615BAA1	107	75-07-08	GW	111VLFL	---	----	14	7.1	900
135	4029001070408	01	SB00608618AAA1	107	75-07-08	GW	111VLFL	---	9	18	7.1	750
136	4028151070030	01	SB00608623BBA1	107	75-07-04	GW	211MVRD-KI	---	150	14	8.6	1000
137	4030351070754	01	SB00608703ACA1	107	75-07-02	GW	211MVRD-KW	---	----	10	7.0	1950
138	4030311071017	01	SB00608705BDD1	107	75-07-01	GW	111VLFL	1	5	17	7.2	950
139	4029541071035	01	SB00608708BBA1	107	75-07-02	GW	111VLFL	4	----	10	7.2	620
140	4029131070515	01	SB00608712DDD1	107	75-07-02	GW	111VLFL	6	----	15	7.2	1450

Table 5.--*Field analyses and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	LATITUDE-LONGITUDE LOCATION	SEQ. NO.	LOCAL IDENTIFIER	COUNTY	DATE OF SAMPLE (YR-M-D)	SITE	GEOLOGIC UNIT	DEPTH TO WATER (FT)	WELL DEPTH (FT)	TEMPERATURE (DEG C)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)
141	4028401071055	01	SB00608718DAA1	107	75-07-10	GW	211LWIS	28	----	12	7.3	850
142	4028041070952	01	SB00608720AAC1	107	75-07-08	GW	211LWIS	---	----	11	8.4	1400
143	4026411070902	01	SB00608728DCA1	107	75-07-07	GW	111VLFL	---	----	15	7.2	3000
144	4029591071311	01	SB00608802DDD1	107	75-07-02	GW	111VLFL	9	----	12	7.3	2000
145	4030471071507	01	SB00608803BAA1	107	75-07-01	GW	111VLFL	---	15	13	7.2	1600
146	4030141071547	01	SB00608804DBD1	107	75-06-30	GW	111VLFL	2	15	12	7.2	2400
147	4029291071817	01	SB00608807DBB1	107	75-07-12	GW	111VLFL	4	8	9	7.2	460
148	4029171071701	01	SB00608808DCB1	107	75-07-14	GW	111VLFL	---	----	10	7.3	1100
149	4029561071536	01	SB00608809BAA1	107	75-07-01	GW	111VLFL	---	12	18	7.2	450
150	4029491071352	01	SB00608811BAC1	107	75-07-01	GW	----------	9	20	19	7.0	2000
151	4029551071235	01	SB00608812BAA1	107	75-07-02	GW	111VLFL	16	----	--	---	----
152	4028571071226	01	SB00608813ABC1	107	75-07-10	GW	111VLFL	---	----	15	7.2	950
153	4028451071159	01	SB00608813ADD1	107	75-07-10	GW	211LWIS	15	35	9	7.3	1100
154	4028431071512	01	SB00608815BCD1	107	75-07-11	GW	211LWIS	15	----	15	7.2	3800
155	4028431071506	01	SB00608815BDC1	107	75-07-11	GW	211LWIS	12	----	--	7.2	3700
156	4029061071544	01	SB00608816ABA1	107	75-07-14	GW	211LWIS	---	----	--	7.4	820
157	4028571071742	01	SB00608817BBC1	107	75-07-14	GW	111VLFL	---	----	15	7.3	1225
158	4026141071250	01	SB00608836BDB1	107	75-07-10	GW	211LWIS	---	66	14	7.3	1750
159	4030411072306	01	SB00608904BAB1	107	75-07-16	GW	111VLFL	---	----	13	7.3	1870
160	4030031072242	01	SB00608904DCA1	107	75-07-12	GW	111VLFL	6	----	13	7.1	1700
161	4029591072227	01	SB00608904CDD1	107	75-07-16	GW	111VLFL	---	----	14	7.0	1650
162	4029311072030	01	SB00608911ACC1	107	75-07-12	GW	111VLFL	---	----	12	7.4	2000
163	4029481072038	01	SB00608911BAD1	107	75-07-12	GW	111VLFL	---	50	13	7.2	5000
164	4029381071852	01	SB00608912ADA1	107	75-07-12	GW	111VLFL	---	10	14	7.2	3100
165	4029061071854	01	SB00608912DDD1	107	75-07 14	GW	111VLFL	0	10	15	7.5	2700
166	4025351072344	01	SB00608932DDB	107	75-07-15	GW	211MVRD-KW	---	----	13	7.5	1750
167	4030241072648	01	SB00609001BCC1	107	75-07-14	GW	211CRCSU	---	50	12	7.6	3700
168	4030011072712	01	SB00609002DCD1	081	75-07-14	GW	211LWIS	---	167	15	7.5	2800
169	4030101072854	01	SB00609003CCA1	081	75-07-14	GW	111VLFL	---	11	20	7.4	890
170	4030271072959	01	SB00609004BAC	081	75-07-21	GW	111VLFL	5	----	13	7.3	750
171	4030451073056	01	SB00609005BAA	081	75-05-22	GW	111VLFL	41	70	12	7.1	2300
172	4030441073101	01	SB00609005BAC	081	75-05-22	GW	111VLFL	38	58	12	6.7	2300
173	4029071073229	01	SB00609007CCC	081	75-05-23	GW	211MVRD-KW	0	369	12	8.9	1000
174	4029311073140	01	SB00609007DAB	081	75-05-23	GW	111VLFL	29	500	9	7.9	2350
175	4020551073042	01	SB00609008ABA	081	75-05-23	GW	111VLFL	2	20	10	---	285

Table 5.--*Field analyses and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	LATITUDE-LONGITUDE LOCATION	SEQ. NO.	LOCAL IDENTIFIER	COUNTY	DATE OF SAMPLE (YR-M-D)	SITE	GEOLOGIC UNIT	DEPTH TO WATER (FT)	WELL DEPTH (FT)	TEMPERATURE (DEG C)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)
176	4028151072711	01	SB00609014DCD2	081	75-07-14	GW	211LWIS	0	876	15	8.7	1550
177	4029491072725	01	SB00609014ACB1	081	75-07-14	GW	211LWIS	0	900	19	8.7	1300
178	4028571073234	01	SB00609018BBC	081	75-05-27	GW	211MVRD-KW	9	23	17	7.3	2950
179	4027221073107	01	SB00609020CDC	081	75-05-27	GW	211MVRD-KW	0	600	11	8.9	1300
180	4028111072953	01	SB00609021BAB	081	75-05-22	GW	211MVRD-KW	27	40	11	7.5	810
181	4026581073055	01	SB00609029BDD	081	75-05-28	GW	211MVRD-KW	64	340	--	---	----
182	4030241073344	01	SB00609102DAA	081	73-09-18	GW	111VLFL	8	40	--	---	----
183	4030251073605	01	SB00609104ADD	081	75-06-16	GW	211LWIS	68	320	17	8.2	2100
184	4029291073818	01	SB00609107DAA	081	75-06-03	GW	211LWIS	11	----	--	---	----
185	4029161073817	01	SB00609107DDA	081	75-06-16	GW	211LWIS	---	----	--	---	----
186	4029421073731	01	SB00609108ACA	081	75-06-03	GW	211LWIS	---	200	10	7.4	2950
187	4029171073744	01	SB00609108CAA	081	75-06-03	GW	211MVRD-KW	2	----	--	---	----
188	4029171073557	01	SB00609110CBB	081	75-06-09	GW	----------	0	----	15	7.8	1420
189	4020141073329	01	SB00609112CCA	081	75-05-28	GW	211MVRD-KW	73	264	10	7.5	1750
190	4029141073328	01	SB00609112CCD	081	74-11-07	GW	211MVRD-KW	35	265	--	---	----
191	4029101073328	01	SB00609112CCD	081	75-05-28	GW	211MVRD-KW	120	----	12	8.9	990
192	4029111073325	01	SB00609112CDC	081	75-05-28	GW	211MVRD-KW	138	----	14	8.8	970
193	4020121073329	01	SB00609112CDD	081	75-05-28	GW	211MVRD-KW	50	60	14	7.5	1080
194	4027441073649	01	SB00609121CAB	081	75-05-29	GW	211LWIS	0	700	16	8.9	1120
195	4027431073647	01	SB00609121CAB	081	75-05-29	GW	211LWIS	19	120	--	---	----
196	4026491073820	01	SB00609130DAA	081	75-05-29	GW	211MVRD-KW	---	----	14	8.3	880
197	4026271073818	01	SB00609131AAD	081	75-05-29	GW	211MVRD-KW	27	100	10	7.4	525
198	4029331074451	01	SB00609208BAB	081	75-05-25	GW	211LWIS	15	----	9	7.4	2800
199	4028341073943	01	SB00609213AAB	081	75-06-16	GW	211LWIS	109	600	16	8.8	1900
200	4028321073947	01	SB00609213ABD	081	75-06-16	GW	211LWIS	---	255	--	---	----
201	4028241074010	01	SB00609213BDA	081	75-06-16	GW	211LWIS	4	20	18	7.4	6500
202	4025411074208	01	SB00609234ACD	081	75-06-16	GW	111VLFL	---	60	9	7.4	2550
203	4025431074232	01	SB00609234BDC	081	75-06-17	GW	111VLFL	12	20	9	7.6	7000
204	4026381075536	01	SB00609427ADB	081	75-06-26	GW	111VLFL	8	----	--	---	----
205	4029531080100	01	SB00609501CBC	081	75-06-26	GW	111VLFL	---	----	--	---	----
206	4030241080231	01	SB00609503AAB1	081	74-11-07	GW	122BRPK	29	83	--	---	----
207	4028431080358	01	SB00609509DCC	081	75-06-26	GW	122BRPK	---	135	18	8.4	1060
208	4026461080441	01	SB00609529AAD	081	75-06-27	GW	122BRPK	---	120	16	9.0	630
209	4026171080640	01	SB00609530CCB1	081	75-07-26	GW	122BRPK	---	----	16	7.5	440
210	4026031080532	01	SB00609532BBA1	081	75-07-26	GW	122BRPK	---	----	10	7.3	650

Table 5.--*Field analyses and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	LATITUDE-LONGITUDE LOCATION	SEQ. NO.	LOCAL IDENTIFIER	COUNTY	DATE OF SAMPLE (YR-M-D)	SITE	GEOLOGIC UNIT	DEPTH TO WATER (FT)	WELL DEPTH (FT)	TEMPERATURE (DEG C)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)
211	4025131080740	01	SB00609636CCD1	081	75-07-26	GW	122BRPK	---	----	12	7.5	430
212	4031251071157	01	SB007087318CB1	107	75-07-01	GW	111VLFL	---	25	11	7.2	750
213	4035371071629	01	SB00708B04BCC	107	75-06-30	GW	211CRCSU	0	15	13	7.2	800
214	4033181071725	01	SB00708829CCD1	107	75-06-30	GW	211CRCSU	---	----	10	7.3	700
215	4035041071827	01	SB00708912AAA1	081	75-06-30	GW	211CRCSU	---	----	12	7.3	1000
216	4033071072338	01	SB00708920ADB1	081	75-07-16	GW	211CRCSU	---	----	--	7.5	2130
217	4032451072358	01	SB00708920DBC	081	75-07-16	GW	111VLFL	---	----	13	8.1	1100
218	4034191073007	01	SB00709016BBA1	081	75-07-21	GW	111VLFL	18	33	14	7.1	1375
219	4033331073051	01	SB00709017CDD	081	75-07-21	GW	125FRUN	---	120	14	7.7	2800
220	4033001073158	01	SB00709019DBB1	081	75-07-21	GW	211CRCSU	---	135	15	8.0	1600
221	4033131073108	01	SB00709020BCB1	081	75-07-21	GW	111VLFL	---	22	15	7.3	1000
222	4032191072638	01	SB00709025BBD1	081	75-07-16	GW	125FRUN	---	----	14	7.6	1000
223	4031561072625	01	SB00709025CAC1	081	75-07-21	GW	111VLFL	---	----	14	7.4	1550
224	4031431072545	01	SB00709025DDD	081	75-07-16	GW	211CRCSU	---	90	15	7.6	580
225	4031481072728	01	SB00709026CDA1	081	75-07-21	GW	125FRUN	---	300	12	8.4	890
226	4031101072858	01	SB00709034CBA1	081	75-07-16	GW	111VLFL	---	----	13	8.4	1575
227	4031141072823	01	SB00709034DBA	081	75-07-21	GW	111VLFL	---	----	14	7.4	1600
228	4030391073300	01	SB00709124DCC1	081	75-07-21	GW	211CRCSU	---	240	13	7.9	1420
229	4032331073242	01	SB00709125AAA1	081	75-07-21	GW	211CRCSU	---	----	14	8.1	1500
230	4032201073451	01	SB00709126BCB1	081	75-07-21	GW	211CRCSU	---	----	19	7.5	3500
231	4031431073451	01	SB00709126CCC1	081	75-07-21	GW	211CRCSU	6	30	13	7.3	3000
232	4031231073731	01	SB00709132ADA	081	75-06-17	GW	211CRCSU	70	300	14	8.0	2200
233	4031181073741	01	SB00709132AOC	081	75-06-17	GW	211CRCSU	75	----	--	---	----
234	4031301073750	01	SB00709132BAO	081	75-06-17	GW	211CRCSU	15	230	16	8.0	3500
235	4031161073601	01	SB00709133DDD	081	75-06-17	GW	111VLFL	6	12	23	---	5500
236	4031351073446	01	SB00709135BBC1	081	75-07-21	GW	211CRCSU	---	110	15	8.1	5900
237	4030551073213	01	SB00709234ACC	081	75-06-26	GW	122BRPK	---	100	10	7.5	420
238	4030401074208	01	SB00709234DBD	081	74-11-07	GW	122BRPK	72	190	--	---	----
239	4030401074127	01	SB00709235CAC	081	75-06-27	GW	122BRPK	57	122	20	7.5	430
240	4030371074130	01	SB00709235CCA	081	75-06-25	GW	122BRPK	78	127	20	7.6	450
241	4030281074113	01	SB00709235CDD	081	75-06-25	GW	122BRPK	---	260	22	7.1	1430
242	4030291074103	01	SB00709235DCC	081	75-06-25	GW	122BRPK	103	208	13	7.2	650
243	4030341073932	01	SB00709236DDA	081	75-06-25	GW	211LWIS	26	60	--	---	----
244	4030311073935	01	SB00709236DDD	081	75-06-25	GW	211LWIS	52	120	12	7.4	>8000
245	4032211074751	01	SB00709323DCA	081	75-06-25	GW	122BRPK	6	----	15	7.9	935

Table 5.--*Field analyses and physical data for selected wells and springs*--Continued

INDEX NUMBER ON PLATE 2	LATITUDE-LONGITUDE LOCATION	SEQ. NO.	LOCAL IDENTIFIER	COUNTY	DATE OF SAMPLE (YR-M-D)	SITE	GEOLOGIC UNIT	DEPTH TO WATER (FT)	WELL DEPTH (FT)	TEMPERATURE (DEG C)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)
246	4031381075248	01	SB00709330CAB	081	75-06-25	GW	111VLFL	13	14	12	7.2	950
247	4031351075255	01	SB00709330CBD	081	75-06-29	GW	111VLFL	12	-- --	30	7.2	2400
248	4033591075721	01	SB00709409CDC	081	74-11-07	GW	122BRPK	---	200	--	---	----
249	4038211070135	01	SB00808622BCD1	107	75-07-03	GW	111VLFL	---	20	14	6.6	295
250	4037111070301	01	SB00808629DAD1	107	75-07-03	GW	111VLFL	5	17	10	6.5	280
251	4038201072000	01	SB00808923ADA1	081	75-06-30	GW	211CRCSU	7	12	14	7.0	580
252	4051581071224	01	SB01008836DCA1	107	75-07-22	SP	122BRPK	---	----	13	7.1	290