

Colorado

WATER RESOURCES

BASIC-DATA RELEASE NO. 36



HYDROLOGEOLOGIC AND
WATER-QUALITY DATA
IN WESTERN JEFFERSON
COUNTY, COLORADO

1975

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IN WESTERN JEFFERSON COUNTY, COLORADO

Compiled by

Warren E. Hofstra and Dennis C. Hall
U.S. Geological Survey

Prepared by the

U.S. GEOLOGICAL SURVEY

in cooperation with the

COLORADO GEOLOGICAL SURVEY

and the

JEFFERSON COUNTY PLANNING COMMISSION

COLORADO DEPARTMENT OF NATURAL RESOURCES
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1975

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CONVERSION CONSTANTS FOR ENGLISH TO METRIC UNITS

Readers interested in using metric units may convert the English units used in this report, using the conversion factors that follow:

<i>English unit</i>	<i>Multiply by</i>	<i>To obtain metric unit</i>
inches (in)	25.4	millimetres (mm)
	.0254	metres (m)
feet (ft)	.3048	metres (m)
square feet (ft ²)	.0929	square metres (m ²)
acres	.004047	square kilometres (km ²)
acre-feet (acre-ft or AC-FT)	.001233	cubic hectometres (hm ³)
miles (mi)	1.609	kilometres (km)
square miles (mi ²)	2.590	square kilometres (km ²)
gallons per minute (gpm)	.06309	litres per second (l/s)
cubic feet per second (ft ³ /s or cfs)	.02832	cubic metres per second (m ³ /s)
ton (short)	.9072	tonne (t)

HYDROGEOLOGIC AND WATER-QUALITY DATA IN WESTERN JEFFERSON COUNTY, COLORADO

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U.S. Geological Survey

INTRODUCTION

The need for more information on the availability of water for domestic supply in the mountainous area in Jefferson County, Colo. (fig. 1), and the need for understanding of water-quality problems associated with sewage disposal was recognized by the Jefferson County Planning Commission, who, along with the Colorado Geological Survey, cooperated with the U.S. Geological Survey in a 2-year study of hydrogeologic and water-quality conditions. The study began in July 1972 and ended in June 1974.

The area covered by the study is roughly 300 square miles (780 km²) of mountainous Jefferson County extending from Clear Creek on the north to the Pike National Forest boundary on the south and from the east edge of the Front Range mountains to the western boundary of the county. The population of the mountainous part of the county was roughly 20,000 in 1974.

Purpose

The purpose of this report is to publish for public use the data collected during the hydrologic study of Jefferson County. Data in this report will be used in a Colorado Geological Survey Bulletin now in preparation.

Acknowledgments

The authors acknowledge the assistance of the many persons and colleagues involved in making this project a success. Agencies in addition to the cooperating agencies which were particularly helpful were the Jefferson County Department of Health, the Jefferson County School District R-1, and the Jefferson County Engineering Department. Lastly, we would like to express thanks to the residents of the project area who were so amiable and helpful.

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

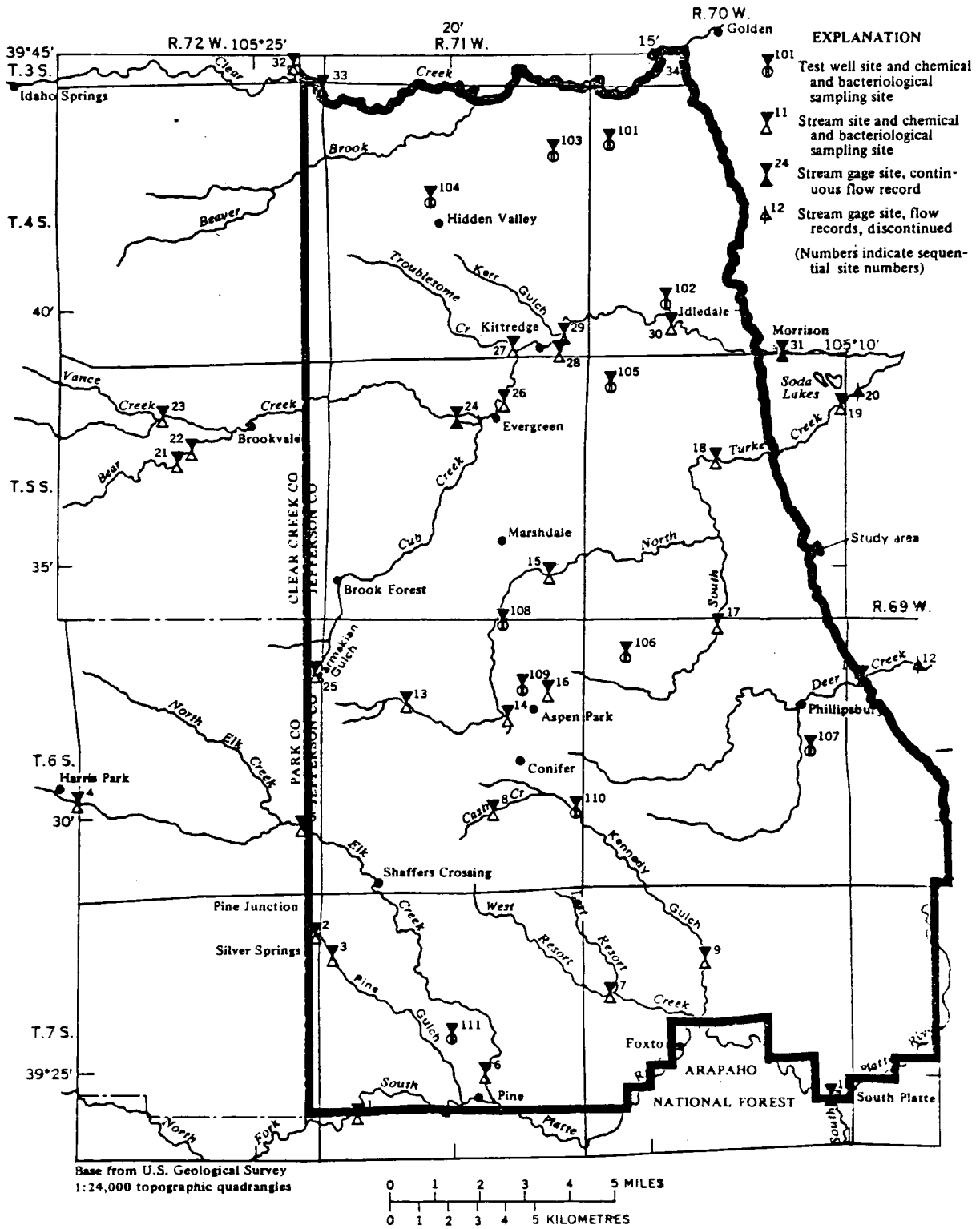


Figure 1.--Index map showing stream and test well sites where hydrologic and water-quality data were collected.

U.S. PUBLIC HEALTH SERVICE DRINKING-WATER STANDARDS

The following chemical standards were established by the U.S. Public Health Service (1962) and recommended for general acceptance for all public water supplies in the United States. These standards have been widely adopted and used as guidelines for private water supplies as well. These standards are equivalent to those subscribed to by the Colorado Department of Health and the Jefferson County Department of Health.

The following chemical substances should not be present in a water supply in excess of the listed concentrations where, in the judgment of the reporting agency and the certifying authority, other more suitable supplies are or can be made available:

Substance	Concentration, in mg/l
Alkyl benzene sulfonate (ABS)-----	0.5
Arsenic (As)-----	.01
Chloride ¹ (Cl)-----	250
Copper (Cu)-----	1
Carbon chloroform extract (CCE)-----	.2
Cyanide (CN)-----	.01
Iron ¹ (Fe)-----	.3
Manganese (Mn)-----	.05
Nitrate ¹ (NO ₃ as N)-----	10
Phenols-----	.001
Sulfate ¹ (SO ₄)-----	250
Total dissolved solids ¹ -----	500
Zinc (Zn)-----	5

¹Analyses for substances included in this report.

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

The presence of the following substances in excess of the concentrations listed shall constitute grounds for rejection of the supply:

Substance	Concentration, in mg/l
Arsenic (As)-----	0.05
Barium (Ba)-----	1.0
Cadmium (Cd)-----	.01
Chromium (hexavalent) (Cr ⁺⁶)-----	.05
Cyanide (CN)-----	.2
Lead (Pb)-----	.05
Selenium ¹ (Se)-----	.01
Silver (Ag)-----	.05

¹Analyses for substances included in this report.

The presence of more than twice the optimum concentration of fluoride¹ in natural waters constitutes grounds for rejection of the water supply. The optimum concentration of fluoride varies with air temperature. The annual average maximum daily air temperature at Evergreen for 1961-74 is 61.0°F (16°C) (U.S. Environmental Data Service, 1966-73; U.S. Weather Bureau, 1961-66). For this temperature the optimum concentration of fluoride is 1.0 mg/l.

Radioactivity present in the following amounts may be grounds for rejection of the water supply:

Radionuclide	Activity, in pCi/l
Radium-226-----	3
Strontium-90-----	10
Gross alpha ^{1,2} (emitters unidentified)-----	3
Gross beta ¹ (in absence of strontium-90 and radium-226)---	1,000

¹Analyses for substances included in this report.

²Unidentified alpha emitters are assumed to be radium-226. Limits have not yet been established for gross alpha radiation in drinking water in the absence of radium-226. One microgram natural uranium is roughly equivalent to 0.7 picocurie; however, in aqueous solutions the uranium isotope ratios may vary slightly altering this conversion factor (V. J. Janzer, oral commun., 1974).

The following coliform bacteria levels in single samples of a private water supply are considered by the Jefferson County Health Department (Colorado Dept. of Health, 1971) as being unsuitable for drinking water:

Bacterial test	Number of colonies, per 100 ml
Total coliform bacteria-----	2 or more
Fecal coliform bacteria-----	1 or more

HYDROLOGIC DATA

Hydrologic data were collected at 34 streamflow sites during this investigation. The sites are numbered sequentially in downstream order and these numbers identify the locations on figure 1. The permanent station numbers for the gaging stations correspond to numbers in the annual report, "Water Resources Data for Colorado, Part 1. Surface Water Records."

Streamflow data for the water years 1971 and 1972 at four sites (10, 24, 31, and 34) and historical data available for these four sites are compiled in tables 1-4. Summaries of monthly and yearly mean discharges for two discontinued streamflow stations (sites 12 and 20) are tabulated in tables 5 and 6. Bacteriological and chemical analyses of surface waters are given for 32 sites in table 7.

During this study, 31 springs and 727 wells were sampled. Comprehensive bacteriological and chemical analyses of samples collected from 38 wells and 1 spring are given in table 8. Selected bacteriological and chemical analyses of samples from most wells are given in table 9 and from all springs in table 10.

Eleven test wells were drilled by air-percussion during this study, are numbered 101-111, and are indicated on figure 1. These are 6 inches (150 mm) in diameter with steel casing cemented to a depth of 20 feet (6.1 m), except for well SC00707121DDAC, which is cased and cemented to 40 feet (12 m) below the surface. Only two of the wells, SC00607111DACA and SC00707121DDAC, are lined with 4-inch (100-mm) plastic liners.

Geologic logs and hydrologic test data for these wells are given in table 11 and bacteriological and chemical analyses are given in table 12.

WELL AND SPRING LOCATIONS

The well and spring locations used in the tables, based on the U.S. Bureau of Land Management system of land subdivision, locate the well or spring within a 10-acre (0.04-km²) tract. The locations are described proceeding from the largest to the smallest land subdivisions. This is in contrast to the legal description, which proceeds from the smallest to the largest land subdivision.

The largest subdivision is the survey. Colorado is governed by three surveys, the Sixth Principal Meridian Survey (S), the New Mexico Survey (N), and the Ute Survey (U) (fig. 2A). Costilla County was not included in any of the above official surveys. This report follows the convention of the Costilla County Assessor in which the northern part of the county is governed by the Sixth Principal Meridian Survey and the southern part of the county is governed by a local system called the Costilla Survey (C). The first letter of the well location designates the survey.

A survey is subdivided into four quadrants formed by the intersection of the baseline and the principal meridian. The second letter of the location designates the quadrant: A indicates the northeast quadrant, B the northwest, C the southwest, and D the southeast.

A quadrant is subdivided in the north-south direction every 6 miles by townships and is subdivided in the east-west direction every 6 miles by ranges (fig. 2B). The first three digits of the location designate the township and the next three digits designate the range.

The 36-square-mile (93-km²) area described by the township and range designation is subdivided into 1-square-mile (2.59-km²) areas called sections. The sections are numbered sequentially in the manner shown in figure 2B. The seventh and eighth digits of the location designate the section.

The section, which contains 640 acres (2.59 km²), is subdivided into quarter sections. The 160-acre (0.65-km²) area is designated by the first letter following the section: A indicates the northeast quarter, B the northwest, C the southwest, and D the southeast. The quarter section in some cases is subdivided into quarter-quarter sections. The 40-acre (0.16-km²) area is designated in the same manner by the second letter following the section. The quarter-quarter section is subdivided into quarter-quarter-quarter sections. The 10-acre (0.04-km²) area is designated in the same manner by the third letter following the section. The quarter-quarter-quarter section is subdivided into quarter-quarter-quarter-quarter sections. The 2.5-acre (0.01-km²) area is designated in the same manner by the fourth letter following the section.

If more than one well or spring is located within the 2.5-acre (0.01-km²) tract, they are numbered sequentially in the order in which they were originally visited. If this number is necessary, it will follow the four-letter designation.

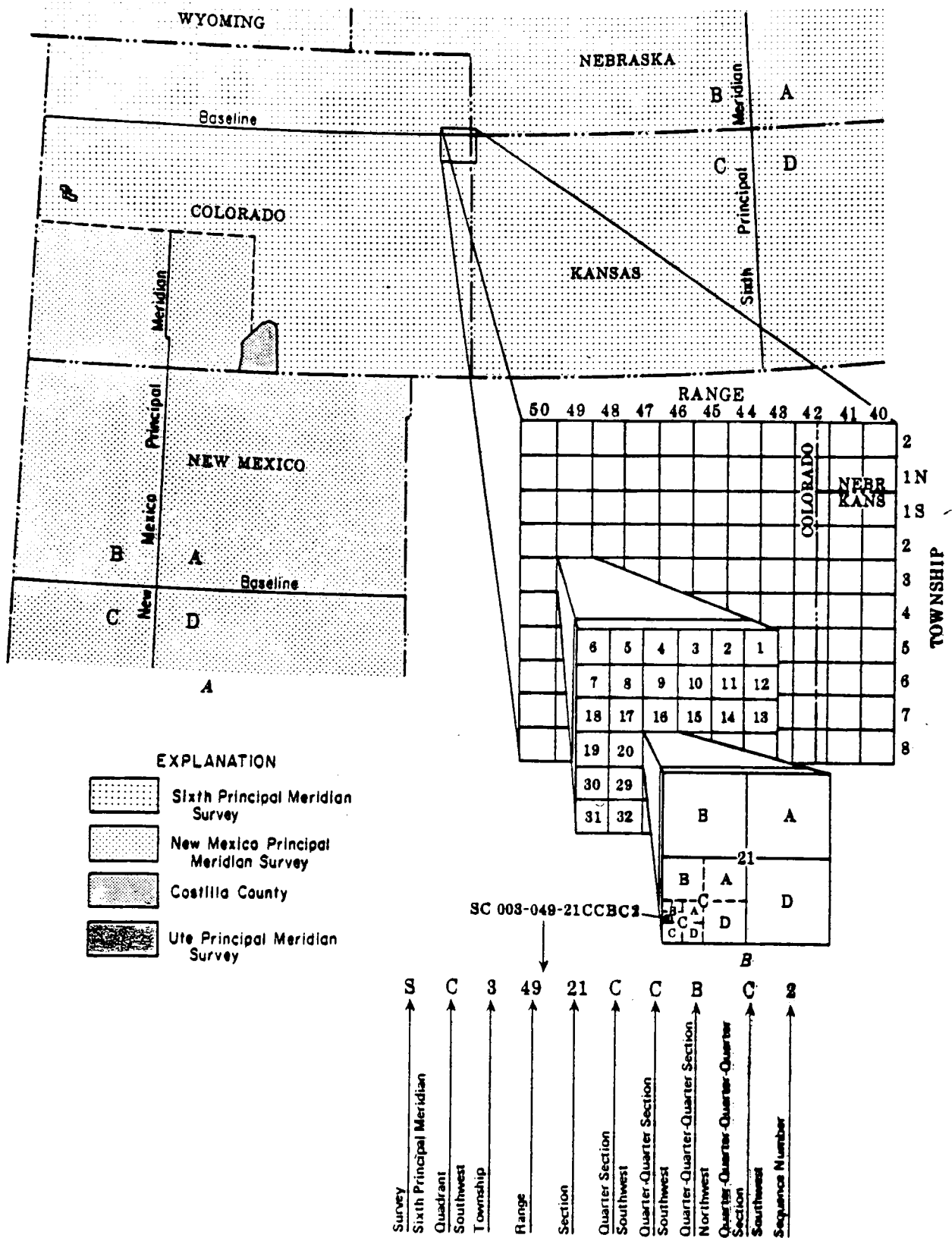


Figure 2.--System of numbering well and spring locations used in Colorado.

REFERENCES

- Colorado Department of Health, 1971, Laws and regulations applying to potable drinking water supply systems, January 1971: Colorado Dept. Health, Eng. and Sanitation Div., 8 p.
- U.S. Environmental Data Service, 1966-73, Climatological data, Colorado: U.S. Environmental Data Service ann. summ. [See also U.S. Weather Bureau.]
- U.S. Geological Survey, 1958, Compilation of records of surface waters of the United States through September 1950, Part 6-B, Missouri River basin below Sioux City, Iowa: U.S. Geol. Survey Water-Supply Paper 1310, 619 p.
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- _____, 1972, Water resources data for Colorado, Part 1, 1971, Surface water records: U.S. Geol. Survey, Water Resources Div., ann. rept., 405 p.
- _____, 1973, Water resources data for Colorado, Part 1, 1972, Surface water records: U.S. Geol. Survey, Water Resources Div., ann. rept., 391 p.
- U.S. Public Health Service, 1962, Drinking water standards: U.S. Public Health Service Pub. 956, 61 p.
- U.S. Weather Bureau, 1961-66, Climatological data, Colorado: U.S. Weather Bur. ann. summ. [See also U.S. Environmental Data Service.]

HYDROLOGIC DATA

TABLES 1-12

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

Table 1.--Streamflow data--water years 1971-72 for
(10) 06707000 North Fork South Platte River at South Platte, Colo.

LOCATION.--Lat 39°24'32", long 105°10'31", Jefferson County, on left bank 0.2 mi (0.3 km) west of South Platte and 0.3 mi (0.5 km) upstream from mouth.

DRAINAGE AREA.--479 mi² (1,241 km²).

PERIOD OF RECORD.--June 1909 to September 1910, April 1913 to current year.

GAGE.--Water-stage recorder. Datum of gage is 6,090.55 ft (1,856.400 m) above mean sea level, adjustment of 1912.

AVERAGE DISCHARGE.--60 years, 154 ft³/s (4.361 m³/s), 111,600 acre-ft/yr (138 hm³/yr), adjusted for inflow from Harold O. Roberts Tunnel since 1964.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	189	120	120	85	80	40	95	163	318	344	163	178
2	182	103	90	80	75	40	74	182	344	313	172	134
3	178	105	95	70	70	45	80	210	362	295	362	122
4	169	77	85	60	65	50	78	264	372	272	376	120
5	165	84	85	55	60	55	64	272	340	254	420	120
6	163	130	90	50	55	45	60	234	322	246	400	112
7	163	116	80	55	50	50	86	222	354	268	390	107
8	153	116	100	65	60	55	84	238	376	322	385	142
9	156	95	110	75	70	55	77	234	445	367	380	139
10	169	110	110	75	75	55	97	234	415	395	405	118
11	166	110	80	75	80	60	112	230	380	372	390	107
12	169	101	65	70	70	65	125	222	376	358	400	101
13	169	114	45	70	70	75	137	234	340	405	410	99
14	166	90	40	65	75	80	139	277	362	410	400	93
15	147	85	45	70	70	55	144	277	385	358	385	91
16	156	115	50	75	70	60	134	286	400	331	395	93
17	153	120	55	80	65	65	139	340	420	318	380	110
18	134	115	65	80	70	55	142	300	425	340	385	114
19	130	110	80	75	70	45	139	259	390	480	425	114
20	134	100	75	75	60	55	122	242	415	450	435	127
21	134	110	75	70	50	80	107	238	420	372	420	132
22	134	120	75	65	35	96	132	272	425	385	395	125
23	127	110	75	65	45	115	130	304	405	430	385	127
24	127	120	80	65	45	110	137	268	410	380	380	122
25	125	130	80	70	50	99	156	264	410	318	385	120
26	122	135	80	75	48	112	186	277	390	277	380	120
27	112	120	80	75	42	163	163	318	376	264	405	118
28	99	115	80	70	42	144	153	358	358	268	415	118
29	118	115	75	75	-----	110	153	410	340	259	415	112
30	122	125	80	75	-----	107	156	390	340	259	395	116
31	118	-----	85	80	-----	118	-----	322	-----	175	304	-----
TOTAL	4,549	3,316	2,430	2,190	1,717	2,359	3,601	8,341	11,415	10,285	11,737	3,549
MEAN	147	111	78.4	70.6	61.3	76.1	120	269	381	332	379	118
MAX	189	135	120	85	80	163	186	410	445	480	435	178
MIN	99	77	40	50	35	40	60	163	318	175	163	91
AC-FT	9,020	6,580	4,820	4,340	3,410	4,680	7,140	16,540	22,640	20,400	23,280	7,040
CAL YR 1970	TOTAL	101,243	MEAN	277	MAX	1,090	MIN	40	AC-FT	200,800		
WTR YR 1971	TOTAL	65,489	MEAN	179	MAX	480	MIN	35	AC-FT	129,900		

Table 1.--Streamflow data--water years 1971-72 for
(10) 08707000 North Fork South Platte River at South Platte, Colo.--Continued

EXTREMES.--Water year 1971: Maximum discharge, 534 ft³/s (15.1 m³/s) July 20 (gage height, 3.57 ft or 1.088 m); minimum daily, 35 ft³/s (0.99 m³/s) Feb. 22.

Water year 1972: Maximum discharge, 726 ft³/s (20.6 m³/s) June 7 (gage height, 3.79 ft or 1.155 m); minimum daily, 25 ft³/s (0.71 m³/s) Jan. 4.

Period of record: Maximum discharge, 2,050 ft³/s (58.1 m³/s) June 13, 1949 (gage height, 6.30 ft or 1.920 m); minimum observed, 4.0 ft³/s (0.11 m³/s) Dec. 8, 1932 (discharge measurement).

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	110	45	55	45	60	55	88	460	520	465	372
2	118	120	45	55	40	50	55	80	475	500	460	322
3	107	100	40	40	30	55	55	80	450	460	465	160
4	107	105	40	25	30	60	60	88	475	380	480	137
5	105	103	40	45	35	55	65	105	534	370	430	125
6	103	100	45	55	40	60	70	134	630	372	290	116
7	101	95	45	60	45	65	75	130	636	415	277	114
8	99	100	40	60	45	65	75	127	540	395	430	112
9	97	90	50	60	45	65	75	137	512	405	460	110
10	95	90	55	55	50	65	80	139	570	460	455	116
11	95	95	55	50	50	65	86	134	529	512	450	116
12	93	95	55	50	50	65	93	130	502	507	430	110
13	93	90	60	50	45	65	91	127	507	496	425	105
14	93	75	50	45	50	65	82	125	480	496	430	99
15	91	70	50	45	55	60	80	130	445	502	460	97
16	93	80	45	50	50	70	75	150	450	496	496	91
17	93	70	40	55	50	75	80	160	455	485	490	88
18	99	55	50	60	50	75	84	169	435	480	480	84
19	86	40	60	60	55	75	84	186	415	465	435	84
20	86	45	60	55	55	70	77	196	395	480	326	91
21	93	65	60	50	55	65	70	242	372	490	313	88
22	91	80	60	50	60	65	70	259	410	480	313	86
23	93	65	65	50	65	65	70	218	450	465	308	80
24	86	50	65	50	65	60	75	206	440	470	318	80
25	84	50	65	45	60	60	80	210	425	470	172	80
26	86	55	65	45	50	65	97	246	415	475	178	80
27	86	55	60	45	55	65	78	290	400	490	178	78
28	84	50	50	50	55	60	78	300	390	465	172	77
29	75	40	50	55	60	55	84	358	440	455	178	77
30	70	40	50	45	-----	45	91	405	485	445	189	77
31	80	-----	50	40	-----	55	-----	470	-----	445	196	-----
TOTAL	2,907	2,278	1,610	1,555	1,440	1,945	2,290	5,819	14,122	14,346	11,149	3,454
MEAN	93.8	75.9	51.9	50.2	49.7	62.7	76.3	188	471	463	360	115
MAX	125	120	65	60	65	75	97	470	636	520	496	372
MIN	70	40	40	25	30	45	55	80	372	370	172	77
AC-FT	5,770	4,520	3,190	3,080	2,860	3,860	4,540	11,540	28,010	28,460	22,110	6,850
CAL YR	1971	TOTAL 61,989	MEAN 170	MAX 480	MIN 35	AC-FT 123,000						
WTR YR	1972	TOTAL 62,915	MEAN 172	MAX 636	MIN 25	AC-FT 124,800						

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

Table 2.--Streamflow data--water years 1971-72 for
(24) Bear Creek above Evergreen Reservoir, Colo. (Miscellaneous site)

LOCATION.--Lat 39°37'58", long 105°19'59", Jefferson County, on right bank 0.6 mi (1.0 km) upstream from Evergreen Dam and 0.8 mi (1.3 km) west of Evergreen.

DRAINAGE AREA.--110 mi² (280 km²), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 7,075 ft (2,156 m) from topographic map.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	30	19	18	18	19	20	38	70	73	49	34
2	43	31	19	18	18	19	19	50	83	66	47	39
3	42	32	28	18	18	19	19	55	86	62	47	33
4	42	34	23	18	18	19	18	65	83	60	43	43
5	41	35	23	18	18	19	16	81	80	58	43	37
6	39	34	22	18	18	19	16	80	77	57	41	36
7	38	26	22	18	18	19	22	74	77	56	39	35
8	36	24	23	18	18	19	21	75	80	65	38	56
9	38	20	23	18	18	19	21	68	101	62	37	44
10	42	22	18	18	18	19	25	70	94	57	39	38
11	38	21	13	18	18	19	28	73	87	50	38	36
12	38	20	12	18	18	19	31	69	87	40	36	36
13	38	21	12	18	18	19	34	75	86	35	39	35
14	37	20	16	18	18	19	33	82	87	37	36	32
15	32	30	19	18	18	19	32	80	88	40	34	30
16	35	48	18	18	18	19	33	84	91	38	35	31
17	33	35	18	18	18	19	36	94	90	33	33	38
18	31	28	18	18	18	19	30	87	91	40	32	40
19	31	23	18	18	18	19	28	80	88	90	38	39
20	31	27	18	18	18	19	30	76	91	90	39	45
21	32	27	18	18	18	19	29	72	88	65	36	47
22	30	23	18	18	18	19	31	75	89	82	31	42
23	30	22	18	18	18	19	32	83	90	83	30	43
24	28	29	18	18	18	19	33	74	80	69	30	43
25	27	28	18	18	18	19	35	70	79	62	30	43
26	27	27	18	18	18	19	39	80	74	61	30	44
27	26	20	18	18	18	19	37	82	71	58	33	43
28	27	21	18	18	18	19	36	91	64	54	39	40
29	30	23	18	18	18	19	36	100	64	56	39	38
30	30	27	18	18	18	19	38	91	68	54	50	37
31	30		18	18	18	19		71		51	41	
TOTAL	1,068	808	580	558	504	589	858	2,345	2,484	1,804	1,172	1,171
MEAN	34.5	26.9	18.7	18	18	19	28.6	75.6	82.8	58.2	37.8	39.0
MAX	46	48	28	18	18	19	39	100	101	90	50	56
MIN	26	20	12	18	18	19	16	38	64	33	30	30
AC-FT	2,120	1,600	1,150	1,110	1,000	1,170	1,700	4,650	4,930	3,580	2,320	2,320

Table 2.--Streamflow data--water years 1971-72 for
(24) Bear Creek above Evergreen Reservoir, Colo. (Miscellaneous site)--Continued

EXTREMES.--Water year 1971: Maximum discharge, 101 ft³/s (2.86 m³/s) June 9 (gage height, 2.64 ft or 0.805 m); minimum daily, not determined.

Water year 1972: Maximum discharge, 100 ft³/s or 2.8 m³/s (estimated) June 6; minimum daily, not determined.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	22	12	10	11	15	18	15	34	43	34	36
2	34	22	12	10	11	15	18	15	35	46	25	36
3	34	22	12	10	11	15	18	15	36	43	28	36
4	34	22	12	10	11	15	18	15	38	45	32	36
5	34	22	12	10	11	15	18	16	53	44	29	36
6	30	22	12	10	11	15	18	28	105	41	25	36
7	30	22	12	10	11	15	18	23	104	40	24	36
8	31	22	12	10	11	15	18	27	80	38	24	36
9	31	22	12	10	11	15	18	30	79	37	28	36
10	30	22	12	10	11	15	18	30	93	37	25	36
11	29	22	12	10	11	15	18	30	84	36	22	36
12	29	22	12	10	11	15	18	26	80	36	20	36
13	29	22	12	10	11	15	18	25	80	32	19	36
14	28	22	12	10	11	15	18	24	74	30	18	36
15	25	22	12	10	11	15	18	26	67	30	20	36
16	25	22	12	10	11	15	18	30	64	35	24	36
17	25	22	12	10	11	15	18	30	74	34	32	36
18	23	22	12	10	11	15	18	33	69	38	27	36
19	18	22	12	10	11	15	18	34	62	32	25	36
20	20	22	12	10	11	15	18	35	62	30	23	36
21	25	22	12	10	11	15	12	40	59	30	21	36
22	24	22	12	10	11	15	12	39	56	33	21	36
23	21	22	12	10	11	15	12	31	54	31	21	36
24	23	22	12	10	11	15	12	28	50	32	39	36
25	22	22	12	10	11	15	12	28	50	32	39	36
26	22	22	12	10	11	15	13	31	46	30	30	36
27	22	22	12	10	11	15	13	33	45	30	29	36
28	20	22	12	10	11	15	14	36	43	30	37	36
29	15	22	12	10	11	15	16	40	44	29	32	36
30	19	22	12	10	11	15	18	35	45	27	31	36
31	25		12	10		15		34		40	25	
TOTAL	813	660	372	310	319	465	494	883	1,865	1,089	822	1,080
MEAN	26.2	22	12	10	11	15	16.5	28.5	62.2	35.1	26.5	36
MAX	37	22	12	10	11	15	18	40	105	46	37	36
MIN	15	22	12	10	11	15	12	15	34	27	18	36
AC-FT	1,610	1,310	738	615	633	922	980	1,751	3,700	2,160	1,630	2,140

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

Table 3.--Streamflow data--water years 1971-72 for
(31) 06710500 Bear Creek at Morrison, Colo.

LOCATION.--Lat 39°39'11", long 105°11'43", Jefferson County, on left bank at Morrison, 180 ft (55 m) upstream from bridge on U.S. Highway 285 and 0.2 mi (0.3 km) upstream from Mount Vernon Creek.

DRAINAGE AREA.--164 mi² (425 km²).

PERIOD OF RECORD.--September 1887 to September 1891, May 1895 to December 1901, February 1902 (gage heights only), October 1919 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,780.43 ft (1,761.875 m) above mean sea level.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	38	20	17	24	15	35	120	94	68	38	32
2	48	28	20	16	22	17	30	134	103	59	40	27
3	46	30	30	16	20	20	30	142	113	56	48	24
4	45	22	22	15	22	22	30	154	103	52	46	37
5	45	30	24	15	23	20	25	158	92	49	46	32
6	43	44	22	14	16	18	24	145	88	46	46	29
7	44	42	23	16	16	19	35	126	90	45	44	28
8	40	40	25	17	17	22	34	131	88	51	42	52
9	40	26	27	19	19	20	33	118	98	61	40	43
10	48	30	28	20	19	20	38	126	101	56	41	34
11	43	32	16	17	21	20	42	128	96	46	40	33
12	43	28	15	17	20	22	49	126	88	40	37	31
13	45	35	15	18	19	27	53	140	88	35	41	30
14	44	30	18	19	20	30	52	126	84	36	40	29
15	37	21	21	20	19	23	51	131	86	41	33	24
16	43	32	23	19	19	22	52	128	86	40	33	26
17	42	33	21	25	17	25	55	137	94	34	30	36
18	40	28	24	25	19	26	52	126	92	42	30	38
19	41	30	17	24	18	22	61	113	86	108	42	36
20	41	24	18	22	16	29	68	101	84	106	43	45
21	43	30	19	22	14	42	64	94	82	74	37	45
22	41	28	22	22	12	43	76	96	86	91	31	38
23	40	21	23	22	13	50	84	106	88	113	28	41
24	38	30	24	21	14	67	92	106	84	88	24	43
25	36	34	26	19	15	46	108	92	80	76	24	43
26	37	33	22	18	15	48	142	90	74	71	22	42
27	29	24	27	18	14	66	137	94	69	55	26	42
28	29	25	24	19	14	55	134	131	61	49	35	44
29	36	27	22	19	-----	42	120	148	61	45	33	41
30	40	34	20	19	-----	41	123	151	64	45	52	37
31	35	-----	18	22	-----	44	-----	113	-----	40	44	-----
TOTAL	1,273	909	676	592	497	983	1,929	3,831	2,603	1,818	1,156	1,082
MEAN	41.1	30.3	21.8	19.1	17.8	31.7	64.3	124	86.8	58.6	37.3	36.1
MAX	51	44	30	25	24	67	142	158	113	113	52	52
MIN	29	21	15	14	12	15	24	90	61	34	22	24
AC-FT	2,520	1,800	1,340	1,170	986	1,950	3,830	7,600	5,160	3,610	2,290	2,150
CAL YR 1970	TOTAL 31,401	MEAN 86.0	MAX 455	MIN 15	AC-FT 62,280							
WTR YR 1971	TOTAL 17,349	MEAN 47.5	MAX 158	MIN 12	AC-FT 34,410							

Table 3.--Streamflow data--water years 1971-72 for
(31) 06710500 Bear Creek at Morrison, Colo.--Continued

AVERAGE DISCHARGE.--57 years (1890-91, 1896-97, 1898-99, 1900-01, 1919-72), 53.3 ft³/s (1.509 m³/s), 38,620 acre-ft/yr (47.6 hm³/yr).

EXTREMES.--Water year 1971: Maximum discharge, 174 ft³/s (4.93 m³/s) May 30 (gage height, 5.40 ft or 1.646 m); minimum daily, 12 ft³/s (0.34 m³/s) Feb. 22.

Water year 1972: Maximum discharge, 227 ft³/s (6.43 m³/s) Aug. 3 (gage height, 5.52 ft or 1.682 m); minimum daily, 6.0 ft³/s (0.17 m³/s) Jan. 4.

Period of record: Maximum discharge, 8,600 ft³/s or 240 m³/s (estimated) July 24, 1896; minimum daily, 0.8 ft³/s (0.023 m³/s) Nov. 26, 1939, result of freezeup.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	37	20	12	11	18	16	27	37	42	52	80
2	37	32	19	11	9.0	15	17	20	38	40	25	86
3	35	24	16	9.0	10	19	17	21	37	43	38	59
4	35	34	15	6.0	12	16	16	21	44	48	44	55
5	34	24	16	8.0	15	15	18	22	63	48	33	48
6	33	24	17	10	14	20	22	65	116	42	25	43
7	33	26	13	13	13	22	21	52	113	38	22	40
8	34	30	9.0	12	14	17	21	48	82	36	21	40
9	34	23	10	12	14	19	21	49	76	33	24	38
10	33	27	12	14	12	19	20	48	88	33	19	46
11	32	28	13	14	10	22	24	48	86	32	20	48
12	32	27	12	13	12	22	24	43	82	31	17	46
13	31	26	14	11	13	21	23	36	82	26	16	43
14	30	19	12	9.0	12	19	23	34	76	24	16	40
15	29	19	13	10	11	18	22	33	69	24	16	36
16	30	28	14	12	12	19	22	36	69	29	28	34
17	30	24	14	14	12	19	22	36	80	28	38	30
18	32	16	15	14	14	20	22	40	74	34	31	30
19	22	18	16	14	15	19	24	42	66	29	28	30
20	23	22	13	16	16	18	24	43	64	28	25	32
21	27	25	13	16	16	16	20	48	62	38	22	30
22	27	25	15	16	15	18	20	46	59	27	22	31
23	24	21	18	18	16	19	19	36	59	24	22	30
24	23	23	18	15	16	18	19	32	55	24	45	30
25	22	23	19	12	16	16	19	34	51	25	35	30
26	22	24	19	10	13	18	26	36	48	25	33	30
27	24	27	17	9.0	15	19	24	40	45	26	32	30
28	25	24	15	10	16	17	26	42	43	24	40	28
29	19	21	13	10	18	14	30	45	42	20	35	27
30	23	20	11	10	-----	16	31	38	44	18	34	27
31	28	-----	12	11	-----	17	-----	37	-----	29	28	-----
TOTAL	901	741	453.0	371.0	392.0	565	653	1,198	1,950	968	890	1,194
MEAN	29.1	24.7	14.6	12.0	13.5	18.2	21.8	38.6	65.0	31.2	28.7	39.8
MAX	38	37	20	18	18	22	31	65	116	48	52	86
MIN	19	16	9.0	6.0	9.0	14	16	20	37	18	16	27
AC-FT	1,790	1,470	899	736	778	1,120	1,300	2,380	3,870	1,920	1,770	2,370
CAL YR 1971	TOTAL	16,586.0	MEAN	45.4	MAX	158	MIN	9.0	AC-FT	32,900		
WTR YR 1972	TOTAL	10,276.0	MEAN	28.1	MAX	116	MIN	6.0	AC-FT	20,380		

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

Table 4.--Streamflow data--water years 1971-72 for
(34) 06719500 Clear Creek near Golden, Colo.

LOCATION.--Lat 39°45'02", long 105°14'54", Jefferson County, on left bank 0.2 mi (0.3 km) upstream from headgate of Church ditch, 0.7 mi (1.1 km) downstream from headgate of Welch ditch, 1.0 mi (1.6 km) west of Golden, and 12.5 mi (20.1 km) downstream from North Clear Creek.

DRAINAGE AREA.--399 mi² (1,033 km²).

PERIOD OF RECORD.--October 1908 to December 1909, June 1911 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,735.27 ft (1,748.110 m) above mean sea level (State Highway Department bench mark).

AVERAGE DISCHARGE.--62 years, 228 ft³/s (6.457 m³/s), 165,200 acre-ft/yr (204 hm³/yr), adjusted for inflow from August P. Gumlick Tunnel and Berthoud Pass ditch 1940-58.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	154	112	102	70	72	65	77	224	614	1,000	315	179
2	150	109	95	60	72	50	69	261	666	951	304	167
3	147	109	112	50	69	55	82	327	764	911	293	175
4	145	105	100	40	58	80	80	410	835	888	278	175
5	143	118	105	35	59	70	72	415	737	842	271	172
6	145	119	100	30	32	65	72	382	718	813	251	170
7	145	114	98	40	35	61	80	343	813	778	244	163
8	137	112	100	50	40	62	78	319	927	764	238	226
9	133	109	98	70	50	63	75	296	872	771	232	177
10	147	114	98	85	80	63	86	289	835	730	235	158
11	147	112	88	80	90	64	96	275	850	692	221	147
12	145	112	80	70	77	65	116	258	919	672	227	139
13	147	121	64	74	78	69	131	278	911	666	232	135
14	143	119	61	65	78	64	141	331	1,020	652	224	131
15	135	110	80	75	75	61	154	347	1,120	633	212	129
16	137	133	65	80	78	68	154	373	1,230	608	210	129
17	133	123	75	85	77	66	167	456	1,320	590	199	145
18	127	121	85	90	77	58	184	410	1,430	614	199	152
19	129	119	55	80	75	52	205	382	1,440	652	202	150
20	127	109	45	80	71	70	182	347	1,460	633	199	152
21	127	116	55	75	66	74	175	335	1,520	566	184	158
22	127	118	65	65	53	74	194	368	1,530	584	175	154
23	118	109	80	55	59	78	179	400	1,440	560	167	150
24	119	118	60	50	75	78	182	360	1,500	538	170	152
25	116	118	55	55	77	75	199	355	1,510	483	175	152
26	116	118	65	65	65	82	251	382	1,470	450	163	150
27	109	114	70	75	60	98	215	450	1,420	425	187	139
28	102	107	85	71	55	95	210	522	1,340	400	184	125
29	105	105	83	71	-----	75	205	646	1,240	378	207	119
30	114	114	85	75	-----	77	207	646	1,100	360	194	119
31	116	-----	80	77	-----	75	-----	596	-----	335	187	-----
TOTAL	4,085	3,437	2,489	2,043	1,853	2,152	4,318	11,783	33,551	19,939	6,779	4,587
MEAN	132	115	80.3	65.9	66.2	69.4	144	380	1,118	643	219	153
MAX	154	133	112	90	90	98	251	646	1,530	1,000	315	224
MIN	102	105	45	30	32	50	69	224	614	335	163	119
AC-FT	8,100	6,820	4,940	4,050	3,680	4,270	8,560	23,370	66,550	39,550	13,450	9,100
CAL YR 1970	TOTAL	106,619	MEAN	292	MAX	1,560	MIN	45	AC-FT	211,500		
WTR YR 1971	TOTAL	97,016	MEAN	266	MAX	1,530	MIN	30	AC-FT	192,400		

Table 4.--Streamflow data--water years 1971-72 for
(34) 06719500 Clear Creek near Golden, Colo.--Continued

EXTREMES.--Water year 1971: Maximum discharge, 1,730 ft³/s (49.0 m³/s) June 22 (gage height, 5.33 ft or 1.625 m); minimum daily, 30 ft³/s (0.85 m³/s) Jan. 6.

Water year 1972: Maximum discharge, 1,910 ft³/s (54.1 m³/s) June 5 (gage height, 5.40 ft or 1.646 m); minimum daily, 35 ft³/s (0.99 m³/s) Feb. 11, 26.

Period of record: Maximum discharge, 5,890 ft³/s (167 m³/s) Sept. 9, 1933 (gage height, 11.57 ft or 3.527 m, present datum, from floodmarks), from rating curve extended above 2,200 ft³/s (62 m³/s) on basis of slope-area measurement of peak flow; minimum daily recorded, 10 ft³/s (0.28 m³/s) Mar. 4, 1966.

Maximum discharge since at least 1867, 8,700 ft³/s (246 m³/s) Aug. 1, 1888, from reports of State Engineer of Colorado for station 5.5 mi (8.8 km) upstream.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	93	75	52	41	51	48	80	685	483	163	167
2	119	88	62	55	37	38	52	85	764	445	152	182
3	116	86	45	45	38	54	53	86	813	425	156	150
4	119	93	58	40	40	46	50	93	785	405	152	150
5	118	91	70	45	42	46	51	105	984	378	141	135
6	116	86	85	58	42	53	53	129	1,200	355	135	129
7	112	91	81	58	42	53	59	114	1,300	355	131	127
8	112	93	65	58	42	48	61	114	1,160	327	127	125
9	112	90	70	58	42	50	61	116	1,110	319	133	121
10	110	90	70	56	38	52	66	116	1,130	308	127	152
11	109	90	70	54	35	56	75	119	1,070	300	123	141
12	105	90	70	52	38	56	82	116	1,040	289	121	135
13	105	91	70	50	40	56	78	114	1,010	275	118	123
14	105	86	60	45	36	56	78	112	951	264	112	125
15	103	88	60	40	37	51	72	116	880	264	114	110
16	102	91	58	40	42	50	71	135	842	258	131	105
17	103	88	60	45	44	51	72	154	813	251	179	96
18	103	77	62	47	45	52	78	167	792	251	139	95
19	96	59	62	47	44	54	80	184	743	238	131	95
20	100	82	55	47	44	52	77	205	743	238	131	98
21	105	86	58	48	44	50	74	308	698	254	121	90
22	105	85	60	50	45	53	75	308	666	215	118	85
23	100	82	65	48	46	57	74	244	652	202	114	83
24	100	85	60	45	44	53	77	241	652	197	131	85
25	98	82	60	43	42	50	83	268	614	197	131	83
26	96	78	60	41	35	51	93	319	602	197	135	75
27	98	82	55	42	43	50	86	420	560	210	137	74
28	98	75	50	45	51	46	85	430	544	189	141	72
29	83	72	52	42	54	42	85	538	532	179	139	74
30	85	65	52	44	-----	51	90	544	516	163	116	72
31	89	-----	52	45	-----	48	-----	640	-----	156	116	-----
TOTAL	3,241	2,535	1,932	1,485	1,213	1,576	2,139	6,720	24,851	8,587	4,115	3,354
MEAN	105	84.5	62.3	47.9	41.8	50.8	71.3	217	828	277	133	112
MAX	119	93	85	58	54	57	93	640	1,300	483	179	182
MIN	83	59	45	40	35	38	48	80	516	156	112	72
AC-FT	6,430	5,030	3,830	2,950	2,410	3,130	4,240	13,330	49,290	17,030	8,160	6,650
CAL YR 1971	TOTAL	94,713	MEAN	259	MAX	1,530	MIN	30	AC-FT	187,900		
WTR YR 1972	TOTAL	61,748	MEAN	169	MAX	1,300	MIN	35	AC-FT	122,500		

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

Table 5.--*Monthly and yearly mean discharge for
(12) 06708500 Deer Creek near Littleton, Colo.
(Gaging station discontinued in 1946)*

LOCATION.--Lat 39°32'56", long 105°07'59", Jefferson County, on left bank 15 ft (5 m) downstream from bridge at Deer Creek Park, 3.5 mi (5.6 km) downstream from South Fork Deer Creek, and 7.5 mi (12.1 km) southwest of Littleton.

DRAINAGE AREA.--26.2 mi² (67.9 km²) (revised).

GAGE.--Staff gage. Datum of gage is 5,683.21 ft (1,732.242 m) above mean sea level, datum of 1929.

EXTREMES.--1942-46: Maximum discharge observed, 162 ft³/s (4.59 m³/s) May 9, 1944 (gage height, 2.90 ft or 0.884 m), from rating curve extended above 120 ft³/s (3.4 m³/s); no flow at times during 1943-46.

MONTHLY AND YEARLY MEAN DISCHARGE, IN CUBIC FEET PER SECOND

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1942	---	---	---	---	---	---	---	---	---	2.80	.99	.39	---
1943	2.40	1.90	.90	.90	.82	1.81	3.38	10.4	5.91	.87	.30	.01	2.47
1944	0	.10	.15	.08	.20	1.11	29.0	75.5	4.51	.95	.39	.01	9.39
1945	0	.05	.09	.09	.34	.76	3.26	5.53	3.51	1.43	2.50	.47	1.51
1946	.77	.61	.15	.12	.51	2.22	3.29	3.65	.98	.13	0	.53	1.08

Table 6.--Monthly and yearly mean discharge for
(20) 06711000 Turkey Creek near Morrison, Colo.
(Gaging station discontinued in 1953)

LOCATION.--Lat 39°38'09", long 105°10'05", Jefferson County, on left bank at downstream side of former county bridge, 2 mi (3 km) upstream from mouth, and 2 mi (3 km) southeast of Morrison.

DRAINAGE AREA.--50.1 mi² (129.8 km²).

PERIOD OF RECORD.--June 1942 to September 1946, March 1947 to September 1953.

GAGE.--Water-stage recorder. Datum of gage is 5,717.54 ft (1,742.706 m) above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to Mar. 8, 1947, staff gage at same site and datum.

AVERAGE DISCHARGE.--10 years (1942-46, 1947-53), 4.25 ft³/s (0.120 m³/s), 3,080 acre-ft/yr (3.80 hm³/yr).

EXTREMES.--1942-53: Maximum discharge, 1,200 ft³/s (34.0 m³/s) Aug. 24, 1946 (gage height, 5.79 ft or 1.765 m, from flood-mark), from rating curve extended above 180 ft³/s (5.1 m³/s) on basis of contracted-opening-measurement of peak flow; no flow at times.

Maximum discharge since at least 1942, 2,730 ft³/s (77.3 m³/s) May 7, 1969, by slope-area measurement of peak flow.

MONTHLY AND YEARLY MEAN DISCHARGE, IN CUBIC FEET PER SECOND

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	The year
1942	---	---	---	---	---	---	---	---	---	1.44	2.63	1.28	---
1943	3.96	2.15	.91	1.29	1.14	1.34	2.13	4.25	1.97	1.07	.15	.40	1.74
1944	.30	.34	.61	.36	.77	.90	26.8	94.8	3.53	.37	.37	.28	10.9
1945	.27	.37	.78	.51	.67	.79	.78	1.38	.83	.80	.68	.46	.70
1946	.78	.90	.42	.20	.64	.76	1.60	3.68	1.53	.36	3.74	.83	1.29
1947	---	---	---	---	---	3.91	3.68	41.6	40.8	4.76	1.11	.75	---
1948	1.49	.73	.51	.66	1.40	12.9	46.4	54.0	1.31	.67	.36	.24	10.1
1949	.18	.56	.41	.45	.41	.75	1.02	20.5	81.8	.97	.30	.45	8.92
1950	.69	1.65	.50	.66	.89	.83	2.21	1.20	1.30	.88	.22	.27	.94
1951	.25	.51	.75	.52	.48	1.16	1.34	4.65	1.20	.61	.31	.19	1.00
1952	.33	.63	.66	.48	.32	1.28	5.20	44.1	8.90	.36	.23	.20	5.27
1953	.17	.14	.60	.90	.78	1.18	3.02	7.75	3.44	1.12	.52	.13	1.65

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

Table 7.--Bacteriological and chemical

Date	Time	Discharge (cfs)	Dissolved silica (SiO ₂) (mg/l)	Dissolved aluminum (Al) (µg/l)	Dissolved iron (Fe) (µg/l)	Dissolved manganese (Mn) (µg/l)	Dissolved calcium (Ca) (mg/l)	Dissolved magnesium (Mg) (mg/l)	Dissolved sodium (Na) (mg/l)	Dissolved potassium (K) (mg/l)	Bicarbonate (HCO ₃) (mg/l)	Carbonate (CO ₃) (mg/l)	Alkalinity as CaCO ₃ (mg/l)	Dissolved sulfate (SO ₄) (mg/l)	Dissolved chloride (Cl) (mg/l)	Dissolved fluoride (F) (mg/l)	Dissolved nitrite plus nitrate (N) (mg/l)	Total phosphorus (P) (mg/l)	Dissolved ortho-phosphorus (P) (mg/l)
(1) NORTH FORK SOUTH PLATTE RIVER																			
11-17-72	0900	—	13	—	80	40	10	2.4	3.6	0.9	26	0	21	23	1.2	0.3	0.12	—	0.00
5-10-73	0915	—	14	—	590	40	11	2.7	5.2	1.7	41	0	34	16	4.2	.5	.13	—	.02
8-7-73	1100	—	11	80	90	40	7.8	1.9	3.0	.7	29	0	23	12	1.3	.5	.00	0.01	.00
10-18-73	1030	—	12	50	130	38	9.5	2.4	3.2	1.0	30	0	25	19	1.2	.3	.03	.02	.03
(2) PINE GULCH NEAR PINE																			
6-15-73	1145	—	23	—	70	30	31	6.0	11	2.1	122	0	100	15	10	.9	.05	—	.03
(3) PINE GULCH NEAR SILVER																			
6-15-73	1300	—	23	—	12000	2700	88	15	21	10	359	0	294	20	26	1.0	.00	—	.01
(4) ELK CREEK NEAR HARRIS																			
11-21-72	1200	—	14	—	330	40	8.0	1.5	3.9	1.2	36	0	30	5.8	1.0	1.0	.04	—	.01
5-11-73	0930	—	12	—	280	60	7.5	1.2	2.3	1.3	30	0	25	5.7	1.6	.8	.05	—	.01
8-8-73	1100	—	14	40	290	50	7.1	1.3	3.0	1.0	34	0	28	4.0	1.1	.9	.00	.01	.00
10-23-73	1100	—	13	20	270	20	7.8	1.5	3.9	1.3	32	0	26	4.2	.2	1.2	.03	.03	.04
(5) ELK CREEK ABOVE SHAFFERS																			
11-21-72	0900	—	14	—	260	30	8.1	1.5	3.3	1.1	34	0	28	5.7	1.6	1.3	.02	—	.01
5-11-73	1145	—	13	—	300	60	6.0	1.2	3.3	1.4	18	0	15	7.8	2.4	1.3	.12	—	.01
8-8-73	1230	—	14	30	340	40	7.4	1.3	3.2	.9	34	0	27	4.3	.8	1.1	.00	.02	.00
10-23-73	1200	—	14	30	270	0	7.3	1.6	3.9	1.2	33	0	27	4.3	.2	1.3	.02	.15	.04
(6) ELK CREEK ABOVE PINE,																			
11-16-72	1045	—	14	—	200	20	13	2.4	4.6	1.1	50	0	41	7.3	2.0	1.6	.12	—	.00
5-10-73	1015	—	13	—	400	80	12	1.7	5.0	2.2	27	0	22	13	4.3	1.3	.31	—	.01
8-7-73	1230	—	15	40	270	20	13	2.1	4.2	1.1	50	0	41	6.4	2.1	1.3	.04	.00	.00
10-18-73	1100	—	14	10	210	50	13	2.7	4.4	1.4	54	0	44	7.9	2.7	1.4	.07	.05	.04
(7) WEST RESORT CREEK NEAR																			
11-21-72	1445	—	21	—	20	0	35	7.6	8.2	3.0	139	0	114	16	3.3	3.1	.08	—	.01
5-10-73	1315	—	17	—	380	20	17	4.3	6.3	2.6	67	0	55	17	4.7	.7	.56	—	.03
8-7-73	1400	—	22	20	20	20	38	8.4	8.6	3.2	150	0	123	19	3.8	1.9	.21	.02	.01
10-18-73	1230	—	21	10	50	25	38	8.4	8.1	3.1	153	0	126	18	3.7	2.2	.14	.06	.06
(8) CASTO CREEK NEAR CONIFER,																			
11-22-72	1345	—	14	—	160	330	21	6.0	9.6	.9	80	0	66	7.7	17	.3	.09	—	.01
5-11-73	1315	—	13	—	280	30	7.6	1.9	5.0	1.2	22	0	18	8.8	9.0	.0	.39	—	.02
8-8-73	1345	—	16	70	670	200	19	5.1	8.1	.9	86	0	71	5.8	8.8	.5	.02	.04	.03
10-23-73	1300	—	13	20	180	140	19	5.5	9.8	1.3	75	0	62	8.4	16	.3	.01	.25	.04
(9) KENNEDY GULCH NEAR FOXTON,																			
11-17-72	1330	—	16	—	40	10	30	10	9.7	1.2	146	0	120	14	7.5	.5	.07	—	.35
5-10-73	1145	—	16	—	510	60	14	3.1	5.7	1.6	43	0	35	13	5.8	.4	.43	—	.03
8-7-73	1630	—	19	10	40	10	31	10	8.6	1.7	151	0	124	15	3.7	.5	.00	.02	.01
10-18-73	1500	—	17	0	70	0	32	10	8.8	1.7	154	0	126	16	4.6	.6	.02	.05	.05
(10) 06707000 NORTH FORK SOUTH																			
11-17-72	1515	78	13	—	100	10	12	2.6	4.2	.9	35	0	29	20	1.3	.7	.09	—	.00
5-10-73	1445	844	15	—	450	40	13	2.8	5.0	2.0	38	0	31	15	3.0	1.1	.34	—	.02
8-7-73	1530	254	11	60	120	10	9.6	2.0	3.2	.9	36	0	30	12	1.6	.6	.00	.00	.01
10-18-73	1345	88	13	40	110	25	12	2.9	4.1	1.2	42	0	34	16	2.0	.8	.05	.06	.04
(11) DEER CREEK BELOW PHILLIPSBURG,																			
11-9-72	1300	—	14	—	60	40	36	9.3	17	2.3	149	0	122	16	20	.4	.20	—	.01
5-14-73	1445	—	15	—	320	30	9.0	2.1	4.5	1.3	30	0	25	11	4.0	.1	.25	—	.04
8-8-73	1500	—	17	30	70	10	35	8.3	11	2.3	148	0	121	18	5.9	.5	.00	.03	.02
10-11-73	1400	—	15	20	30	33	34	8.4	13	2.3	145	1	121	19	8.9	.3	.01	.05	.05
(13) NORTH TURKEY CREEK NEAR BROOK																			
11-16-72	1030	—	12	—	650	120	6.6	1.5	3.2	.5	31	0	25	5.3	2.1	.9	.03	—	.01
5-8-73	1215	—	11	—	160	30	7.2	1.0	2.9	.8	16	0	13	5.4	2.4	.8	.10	—	.00
8-9-73	1230	—	13	80	820	110	6.7	1.5	3.2	.7	35	0	29	3.0	1.0	.9	.30	.05	.00
10-10-73	1445	—	13	30	680	140	6.6	1.5	3.7	.9	30	0	25	3.0	1.1	1.1	.02	.05	.04
(14) NORTH TURKEY CREEK NEAR																			
10-31-72	1400	—	13	—	610	120	12	3.3	5.6	.9	38	0	48	2.9	4.3	.6	.03	—	.03
5-8-73	1045	—	13	—	260	60	8.0	1.3	5.4	.9	26	0	21	3.4	6.3	.3	.35	—	.02
8-9-73	1330	—	13	70	470	130	12	3.0	5.3	1.1	57	0	46	4.6	3.7	.5	.30	.01	.01
10-10-73	1530	—	14	70	350	150	12	3.5	5.5	1.2	57	0	47	4.6	5.7	.6	.02	.11	.04

analyses of surface waters.

Date	Dissolved solids (sum of constituents) (mg/l)	Hardness (Ca, Mg) (mg/l)	Noncarbonate hardness (mg/l)	Specific conductance (umhos/cm at 25°C)	pH (units)	Temperature (deg C)	Immediate coliform (colonies per 100 ml)	Fecal coliform (colonies per 100 ml)	Methylene blue active substance (MBAS) (mg/l)	Dissolved selenium (Se) (ug/l)	Dissolved gross alpha as U-Nat. (ug/l)	Suspended gross alpha as U-Nat. (ug/l)	Dissolved gross beta as Sr-90/Y-90 (pCi/l)	Dissolved gross beta as Ce-137 (pCi/l)	Suspended gross beta as Sr-90/Y-90 (pCi/l)	Suspended gross beta as Ce-137 (pCi/l)
ABOVE PINE, COLO. (Miscellaneous site)																
11-17-72	68	35	14	99	6.9	2.0	280	84	—	1	—	—	—	—	—	—
5-10-73	77	39	5	107	7.2	4.5	47	20	—	13	—	—	—	—	—	—
8-7-73	53	27	4	69	8.3	13.0	740	35	0.05	5	—	—	—	—	—	—
10-18-73	64	34	9	93	7.5	5.0	90	7	—	—	—	—	—	—	—	—
JUNCTION, COLO. (Miscellaneous site)																
6-15-73	160	100	2	246	6.8	14.5	150	5	—	1	—	—	—	—	—	—
SPRINGS, COLO. (Miscellaneous site)																
6-15-73	396	280	0	684	6.6	15.0	6900	28	—	6	—	—	—	—	—	—
PARK, COLO. (Miscellaneous site)																
11-21-72	55	26	0	71	7.4	4.5	41	0	—	1	—	—	—	—	—	—
5-11-73	48	24	0	56	6.4	4.5	54	0	—	10	—	—	—	—	—	—
8-8-73	50	23	0	64	8.3	13.5	80	13	.06	6	—	—	—	—	—	—
10-23-73	49	26	0	68	7.9	7.0	7	0	—	4	—	—	—	—	—	—
CROSSING, COLO. (Miscellaneous site)																
11-21-72	54	26	0	72	7.3	3.5	100	1	—	1	—	—	—	—	—	—
5-11-73	46	20	5	58	6.4	6.0	65	10	—	9	—	—	—	—	—	—
8-8-73	50	24	0	65	8.1	14.5	100	20	.02	5	—	—	—	—	—	—
10-23-73	51	25	0	71	7.5	6.0	10	3	—	2	—	—	—	—	—	—
COLO. (Miscellaneous site)																
11-16-72	71	42	1	107	7.1	5.0	30	1	—	0	—	—	—	—	—	—
5-10-73	68	37	15	95	6.9	4.5	470	440	—	8	—	—	—	—	—	—
8-7-73	70	41	0	98	8.1	14.0	250	34	.08	3	—	—	—	—	—	—
10-18-73	75	44	0	113	7.8	4.5	140	2	—	4	—	—	—	—	—	—
FOXTON, COLO. (Miscellaneous site)																
11-21-72	166	120	5	266	7.4	5.5	25	0	—	1	—	—	—	—	—	—
5-10-73	106	60	5	157	8.0	9.5	300	7	—	7	—	—	—	—	—	—
8-7-73	180	130	6	286	7.6	14.0	230	16	.06	3	—	—	—	—	—	—
10-18-73	179	130	4	294	7.7	10.0	40	0	—	2	—	—	—	—	—	—
COLO. (Miscellaneous site)																
11-22-72	117	77	12	198	7.3	2.5	300	0	—	1	—	—	—	—	—	—
5-11-73	59	27	9	79	7.4	5.5	170	20	—	4	—	—	—	—	—	—
8-8-73	108	68	0	171	7.9	15.0	70	0	.05	2	—	—	—	—	—	—
10-23-73	111	70	9	200	7.4	7.0	0	0	—	4	—	—	—	—	—	—
COLO. (Miscellaneous site)																
11-17-72	162	120	0	270	7.3	4.5	23	0	—	1	—	—	—	—	—	—
5-10-73	83	48	12	114	7.6	8.0	100	36	—	7	—	—	—	—	—	—
8-7-73	164	120	0	267	7.4	15.5	280	49	.09	2	—	—	—	—	—	—
10-18-73	167	120	0	278	8.2	10.5	63	0	—	4	—	—	—	—	—	—
PLATTE RIVER AT SOUTH PLATTE, COLO.																
11-17-72	72	41	12	108	7.0	1.5	16	1	—	0	—	—	—	—	—	—
5-10-73	78	44	13	120	6.9	10.0	400	30	—	8	—	—	—	—	—	—
8-7-73	59	32	3	83	8.0	17.5	27	12	.07	6	2.5	2.6	2.0	2.5	1.6	1.9
10-18-73	73	42	7	112	7.6	9.0	7	0	—	2	—	—	—	—	—	—
COLO. (Miscellaneous site)																
11-9-72	189	130	6	326	7.2	4.5	820	46	—	3	—	—	—	—	—	—
5-14-73	63	31	7	84	6.6	7.0	96	5	—	10	—	—	—	—	—	—
8-8-73	171	120	0	277	8.0	22.0	360	9	.07	5	13	1.2	4.1	5.2	.8	.9
10-11-73	174	120	0	296	8.4	7.0	400	4	—	3	—	—	—	—	—	—
FOREST, COLO. (Miscellaneous site)																
11-16-72	48	23	0	61	7.2	5.0	72	0	—	2	—	—	—	—	—	—
5-8-73	40	22	9	47	7.7	1.0	40	0	—	2	—	—	—	—	—	—
8-9-73	48	23	0	60	7.8	13.5	7	3	.00	5	—	—	—	—	—	—
10-10-73	47	23	0	59	7.1	3.0	50	4	—	2	—	—	—	—	—	—
CONIFER, COLO. (Miscellaneous site)																
10-31-72	76	44	0	139	7.6	.0	80	44	—	0	—	—	—	—	—	—
5-8-73	60	27	6	82	7.1	2.5	9600	43	—	7	—	—	—	—	—	—
8-9-73	72	42	0	106	7.7	14.5	140	61	.00	4	—	—	—	—	—	—
10-10-73	77	44	0	118	7.5	3.0	90	8	—	3	—	—	—	—	—	—

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

Table 7.--Bacteriological and chemical

Date	Time	Discharge (cfs)	Dissolved silica (SiO ₂) (mg/l)	Dissolved aluminum (Al) (µg/l)	Dissolved iron (Fe) (µg/l)	Dissolved manganese (Mn) (µg/l)	Dissolved calcium (Ca) (mg/l)	Dissolved magnesium (Mg) (mg/l)	Dissolved sodium (Na) (mg/l)	Dissolved potassium (K) (mg/l)	Bicarbonate (HCO ₃) (mg/l)	Carbonate (CO ₃) (mg/l)	Alkalinity as CaCO ₃ (mg/l)	Dissolved sulfate (SO ₄) (mg/l)	Dissolved chloride (Cl) (mg/l)	Dissolved fluoride (F) (mg/l)	Dissolved nitrite plus nitrate (N) (mg/l)	Total phosphorus (P) (mg/l)	Dissolved ortho-phosphorus (P) (mg/l)
(29) BEAR CREEK AT KERR GULCH, BELOW																			
11-9-72	1500	00	12	00	150	20	11	2.3	5.7	1.1	46	0	38	9.6	4.6	0.4	0.24	—	0.18
5-3-73	1045	—	15	—	210	30	13	2.9	7.0	1.5	43	0	35	14	7.1	.3	.47	—	.04
8-6-73	1430	—	12	20	150	10	7.7	1.5	3.8	1.0	32	0	26	6.9	1.9	.2	.08	.13	.06
10-10-73	1330	—	12	40	140	25	11	2.2	5.9	1.4	45	0	37	6.5	3.0	.4	.17	.21	.17
(30) BEAR CREEK BELOW																			
10-17-72	1330	—	9.4	—	160	20	8.1	1.6	3.8	1.1	34	0	28	6.4	2.0	.3	.04	—	.09
5-3-73	1245	—	15	—	210	30	15	3.3	7.0	1.6	50	0	41	15	7.1	.3	.52	—	.04
8-6-73	1530	—	12	30	130	10	12	1.8	4.2	1.1	38	0	31	7.3	2.6	.2	.09	.08	.04
10-10-73	1245	—	12	10	90	17	13	3.0	6.1	1.4	55	0	45	10	3.1	.4	.19	.11	.10
(31) 06710500 BEAR CREEK																			
10-27-72	1500	29	8.4	—	140	20	8.2	1.8	4.2	1.3	36	0	30	8.8	2.5	.3	.12	—	.12
5-3-73	1400	174	15	—	180	20	15	3.5	7.0	1.4	50	0	41	16	6.2	.2	.48	—	.03
8-6-73	1630	69	12	40	120	10	10	1.8	4.1	1.2	38	0	31	7.4	2.4	.2	.04	.13	.03
10-10-73	1130	58	11	30	90	17	14	3.2	6.4	1.4	58	0	48	8.6	3.5	.2	.24	.14	.12
(32) CLEAR CREEK NEAR IDAHO																			
10-20-72	1515	—	9.7	—	—	—	22	5.7	12	2.6	65	0	53	61	2.5	.8	.17	—	.02
(33) CLEAR CREEK BELOW NORTH CLEAR CREEK,																			
10-26-72	1000	—	11	—	—	—	26	6.3	15	3.5	72	0	59	65	4.9	1.0	.29	—	.00
11-16-72	0815	—	11	—	50	1300	30	6.4	17	3.8	77	0	63	73	6.3	1.1	.43	—	.01
5-2-73	1030	—	13	—	30	2600	32	9.1	16	3.4	52	0	43	110	7.7	.8	.45	—	.01
8-10-73	1030	—	8.1	60	50	730	15	3.6	6.9	1.7	46	0	38	31	2.3	.6	.11	.01	.00
10-9-73	1200	—	9.8	90	70	1500	22	5.6	12	3.4	52	0	43	58	3.5	.5	.10	.09	.03
(34) 06719500 CLEAR CREEK																			
10-20-72	1330	61	10	—	—	—	24	6.2	12	2.8	69	0	57	67	3.0	.8	.15	—	.02
11-29-72	0830	—	12	—	30	1300	31	7.9	16	3.4	72	0	59	82	4.8	.9	.46	—	.01
5-2-73	0845	127	14	—	50	1700	29	7.9	13	2.8	64	0	53	78	8.1	.7	.50	—	.01
8-10-73	0900	244	8.1	80	60	670	15	3.8	7.1	1.7	48	0	39	32	2.5	.5	.10	.01	.00
10-9-73	1100	88	10	80	40	1400	23	6.1	13	2.5	59	0	48	58	4.3	.7	.23	.09	.03

analyses of surface waters--Continued

Date	Dissolved solids (sum of constituents (mg/l))	Hardness (Ca, Mg) (mg/l)	Noncarbonate hardness (mg/l)	Specific conductance (micro/cm at 25°C)	pH (units)	Temperature (deg C)	Immediate coliform (colonies per 100 ml)	Fecal coliform (colonies per 100 ml)	Methylene blue active substance (MBAS) (mg/l)	Dissolved selenium (Se) (µg/l)	Dissolved gross alpha as U-Nat. (µg/l)	Suspended gross alpha as U-Nat. (µg/l)	Dissolved gross beta as Sr-90/Y-90 (pci/l)	Dissolved gross beta as Cs-137 (pci/l)	Suspended gross beta as Sr-90/Y-90 (pci/l)	Suspended gross beta as Cs-137 (pci/l)
KITTREDGE, COLO. (Miscellaneous site)																
11- 9-72	71	37	0	108	7.7	6.5	540	—	—	1	—	—	—	—	—	—
5- 3-73	84	44	9	126	7.4	4.0	620	40	—	3	—	—	—	—	—	—
8- 6-73	52	25	0	70	7.4	17.0	3200	63	0.12	5	—	—	—	—	—	—
10-10-73	66	37	0	103	7.0	6.0	2100	57	—	1	—	—	—	—	—	—
IDLEDALE, COLO. (Miscellaneous site)																
10-27-72	50	27	0	78	7.2	6.0	96	7	—	0	—	—	—	—	—	—
5- 3-73	92	51	10	139	7.6	7.0	440	56	—	6	—	—	—	—	—	—
8- 6-73	61	37	6	82	7.5	17.5	870	40	.11	8	—	—	—	—	—	—
10-10-73	77	45	0	121	7.7	5.5	210	10	—	3	—	—	—	—	—	—
AT MORRISON, COLO.																
10-27-72	54	28	0	88	7.3	5.5	61	5	—	0	—	—	—	—	—	—
5- 3-73	91	52	11	138	7.6	9.0	140	40	—	4	—	—	—	—	—	—
8- 6-73	58	32	1	85	7.5	18.5	460	39	.09	5	2.7	1.5	1.9	2.4	0.9	1.0
10-10-73	78	48	1	128	7.4	5.5	210	5	—	4	—	—	—	—	—	—
SPRINGS, COLO. (Miscellaneous site)																
10-20-72	149	78	25	232	8.1	9.0	580	20	—	0	—	—	—	—	—	—
NEAR HIDDEN VALLEY, COLO. (Miscellaneous site)																
10-26-72	169	91	32	276	7.9	4.5	290	21	—	0	—	—	—	—	—	—
11-16-72	190	100	38	299	7.4	.0	—	—	—	1	—	—	—	—	—	—
5- 2-73	222	120	75	332	7.3	3.0	4	2	—	0	—	—	—	—	—	—
8-10-73	93	52	15	151	7.7	11.5	31	5	.10	2	—	—	—	—	—	—
10- 9-73	143	78	35	235	7.7	7.0	750	11	—	3	—	—	—	—	—	—
NEAR GOLDEN, COLO.																
10-20-72	160	85	29	260	8.0	11.0	54	3	—	1	—	—	—	—	—	—
11-29-72	197	110	51	296	7.3	.0	—	—	—	0	—	—	—	—	—	—
5- 2-73	189	110	52	301	7.4	2.5	240	6	—	9	—	—	—	—	—	—
8-10-73	96	53	14	155	7.9	12.5	118	2	.05	5	3.3	1.9	2.6	3.2	1.5	1.7
10- 9-73	149	83	34	245	7.6	8.0	610	65	—	2	—	—	—	—	—	—

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

Table 8.--Bacteriological and chemical analyses of well and spring waters

GEOLOGIC UNIT:				400PCMB--PRECAMBRIAN BEDROCK 111VLFL--QUATERNARY VALLEY-FILL DEPOSITS 111FLDP--QUATERNARY FLOOD-PLAIN DEPOSITS								DEPTH TO WELL: FEET BELOW LAND SURFACE	
LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEOLOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DIS-SOLVED SILICA (STO2) (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAGNESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)		
SC00407007D	73-09-07	1200	400PCMB	165	23	30	20	10	29	6.0	8.8		
SC00407009B	73-09-07	1015	400PCMB	403	21	30	50	40	44	13	11		
SC00407017C	73-09-07	1030	111FLDP	52	17	20	30	0	43	12	9.0		
SC00407031B	73-09-07	1200	400PCMB	182	18	20	20	30	66	7.1	40		
SC00407107B	73-09-07	1500	111FLDP	50	21	--	5700	2100	41	8.5	17		
SC00407109A	73-09-12	1000	400PCMB	409	13	10	10	50	38	14	10		
SC00407113D	73-09-11	1030	400PCMB	200	19	40	30	30	37	7.8	12		
SC00407120A	73-09-07	1400	400PCMB	110	27	--	40	10	33	4.8	9.2		
SC00407127A	73-09-12	1130	400PCMB	65	18	10	10	0	39	8.2	12		
SC00507007D	73-09-12	1345	400PCMB	75	20	20	30	0	94	24	13		
SC00507020C	73-09-18	1000	400PCMB	170	22	10	30	20	53	12	14		
SC00507023C	73-09-14	0930	400PCMB	110	20	10	30	0	35	8.7	9.3		
SC00507033D	73-09-12	1500	400PCMB	60	16	20	20	0	57	15	9.3		
SC00507102B	72-12-18	1315	400PCMB	130	14	--	70	30	76	8.6	300		
SC00507106C	73-09-18	1145	111FLDP	36	15	10	290	0	8.3	1.6	8.2		
SC00507116C	73-09-14	1300	400PCMB	131	16	10	30	0	95	18	18		
SC00507123C	73-09-14	1430	400PCMB	160	18	10	20	0	35	5.3	11		
SC00507125A	73-02-26	1130	400PCMB	180	23	--	20	--	30	5.8	10		
SC00507129D	73-09-14	1130	111FLDP	53	23	40	60	10	24	8.2	16		
SC00607009B	73-09-20	1030	400PCMB	125	19	20	50	10	55	9.0	21		
SC00607013D	73-09-20	1245	400PCMB	60	21	500	310	10	7.0	2.4	3.8		
SC00607024C	73-09-20	1400	111FLDP	160	21	10	50	0	26	6.7	12		
SC00607031A	73-09-25	1045	400PCMB	40	15	0	20	10	46	19	8.9		
SC00607035B	73-09-20	1530	400PCMB	430	17	10	20	120	50	7.7	8.9		
SC00607103A	73-09-18	1330	400PCMB	190	18	10	60	0	34	6.2	10		
SC00607106D	73-09-25	1300	400PCMB	150	19	20	50	20	12	9.5	7.0		
SC00607115A	73-09-18	1430	400PCMB	198	15	10	40	40	27	5.6	5.8		
SC00607124D	73-05-22	1000	400PCMB	100	22	--	9	30	31	4.9	11		
SC00607125B	73-08-03	1600	400PCMB	--	15	--	40	0	36	17	6.5		
SC00607132B	73-09-25	1515	400PCMB	172	23	0	20	0	33	6.4	8.2		
SC00706907D	73-09-26	1145	400PCMB	40	28	50	50	10	21	5.3	9.1		
SC00707011A	73-10-29	1045	400PCMB	60	15	30	8600	150	5.6	1.1	5.2		
SC00707016C ¹	73-11-13	1045	111VLFL	0	18	10	10	0	17	2.1	4.5		
SC00707018A	73-11-12	1215	400PCMB	62	14	--	10	0	27	5.2	7.6		
SC00707025D	73-10-29	1400	111FLDP	10	11	20	110	140	31	7.4	9.0		
SC00707103B	73-11-15	1015	400PCMB	121	14	0	20	10	53	11	8.5		
SC00707115D	73-11-15	1145	400PCMB	90	11	10	40	30	37	7.5	4.7		
SC00707127D	73-09-26	1445	111FLDP	202	18	10	50	13	74	9.3	46		
SC00707213D	73-11-13	1415	400PCMB	128	17	10	20	0	39	9.3	11		

Table 8.--Bacteriological and chemical analyses of well and spring waters--Continued

LOCAL IDENTIFIER	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
SC00407007D	2.2	108	0	89	17	5.3	.1	1.9	.84	.04	153
SC00407009B	5.6	123	0	101	15	24	.1	12	.03	.03	248
SC00407017C	1.9	186	0	153	22	5.7	.2	.72	.01	.03	206
SC00407031B	2.8	140	0	115	110	40	2.3	.02	.01	.03	355
SC00407107B	.0	183	0	150	12	14	.3	.01	--	.04	212
SC00407109A	7.8	186	0	153	24	6.5	.2	.61	--	.02	208
SC00407113D	4.3	142	0	116	14	11	.3	3.0	--	.03	189
SC00407120A	.0	126	0	103	17	1.9	.3	.97	--	.05	160
SC00407127A	3.3	162	0	133	20	3.6	.8	1.1	--	.03	190
SC00507007D	2.3	275	0	226	25	41	.5	18	--	.03	435
SC00507020C	2.3	237	0	194	14	3.6	.5	.02	.01	.05	239
SC00507023C	3.8	159	0	130	9.6	4.7	.0	2.8	.03	.05	182
SC00507033D	4.0	248	0	203	9.4	4.2	.2	.55	.02	.04	240
SC00507102B	3.1	183	0	150	500	140	8.4	.38	--	.00	1140
SC00507106C	1.1	42	0	34	5.7	3.8	.1	.07	.02	.04	65
SC00507116C	1.6	199	0	163	19	120	.6	1.1	.03	.04	391
SC00507123C	.8	157	0	129	4.5	2.6	.5	.31	.05	.04	157
SC00507125A	1.1	139	0	114	14	3.6	.4	2.0	--	.02	165
SC00507129D	1.4	133	0	109	14	3.8	.4	.10	.03	.05	157
SC00607009B	1.9	174	0	143	22	33	1.1	3.4	.05	.04	263
SC00607013D	1.7	38	0	31	10	2.4	.3	.14	.05	.06	69
SC00607024C	2.1	129	0	106	12	6.7	.3	.10	.03	.05	151
SC00607031A	1.6	212	0	174	44	1.1	.4	.14	.06	.02	241
SC00607035B	2.2	210	0	172	8.1	8.0	1.2	.03	.03	.04	207
SC00607103A	1.3	148	0	121	6.6	3.4	.1	.57	.01	.03	155
SC00607106D	.5	98	0	80	7.0	.9	.6	.11	.05	.03	105
SC00607115A	.7	115	0	94	5.2	4.2	.7	.06	.02	.03	121
SC00607124D	2.6	135	0	111	9.6	1.6	.8	.41	--	.02	152
SC00607125B	1.2	198	0	162	9.6	1.9	.2	.17	.04	.01	186
SC00607132B	.5	147	0	121	8.0	.9	.6	.37	.04	.06	155
SC00706907D	2.4	73	0	60	20	3.3	.3	2.1	.05	.07	135
SC00707011A	.9	34	0	28	5.2	.7	.2	.03	.16	.05	60
SC00707016C	3.7	44	0	36	21	1.3	3.0	.03	.01	.04	93
SC00707018A	4.3	97	0	80	20	3.0	2.8	.61	.01	.03	135
SC00707025D	2.5	96	0	79	42	4.3	.7	.11	.04	.03	156
SC00707103B	1.5	221	0	181	8.7	3.2	.8	.80	.02	.03	213
SC00707115D	6.5	98	0	80	36	15	2.7	.47	.01	.02	171
SC00707127D	1.7	149	0	122	110	26	4.1	11	.06	.05	411
SC00707213D	3.0	158	0	130	20	7.3	.4	2.9	.01	.03	198

Table 8.--Bacteriological and chemical analyses of well and spring waters--Continued

LOCAL IDENTIFIER	HARDNESS (CA, MG) (MG/L)	NON CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SELENIUM (SE) (UG/L)
SC00407007D	97	9	252	7.2	0	0	.16	2
SC00407009B	160	63	426	7.5	0	0	.25	2
SC00407017C	160	4	338	7.5	4	0	.13	1
SC00407031B	190	79	577	7.7	0	0	.11	1
SC00407107B	140	0	354	6.9	0	0	.18	4
SC00407109A	150	0	354	7.4	0	0	.11	0
SC00407113D	120	8	312	7.2	120	0	.11	4
SC00407120A	100	0	249	7.4	0	0	.11	5
SC00407127A	130	0	306	7.4	0	0	.11	4
SC00507007D	330	110	744	7.3	0	0	.25	2
SC00507020C	180	0	381	7.6	0	0	.00	1
SC00507023C	120	0	291	6.9	0	0	.04	6
SC00507033D	200	1	428	7.6	0	0	.03	3
SC00507102B	230	75	1780	7.6	0	0	--	0
SC00507106C	27	0	89	7.3	0	0	.00	6
SC00507116C	310	150	737	7.4	0	0	.11	4
SC00507123C	110	0	247	7.5	0	0	.04	4
SC00507125A	99	0	266	7.2	1	0	--	7
SC00507129D	94	0	249	7.3	0	0	.06	3
SC00607009B	170	32	443	7.0	3	0	.10	4
SC00607013D	27	0	84	6.1	0	0	.00	8
SC00607024C	93	0	239	7.2	0	0	.00	0
SC00607031A	190	19	408	7.8	0	0	.00	2
SC00607035B	160	0	354	7.3	0	0	.00	4
SC00607103A	110	0	248	7.7	0	0	.00	1
SC00607106D	69	0	165	7.6	0	0	.00	2
SC00607115A	90	0	199	7.2	0	0	.00	1
SC00607124D	98	0	240	7.4	0	0	--	--
SC00607125B	160	0	321	7.2	--	--	.00	4
SC00607132B	110	0	246	7.6	0	0	.00	6
SC00706907D	74	14	204	6.4	16	0	.07	3
SC00707011A	19	0	72	6.6	7	0	.04	3
SC00707016C ¹	51	15	140	7.8	3	0	.03	2
SC00707018A	89	9	226	7.2	0	0	.03	3
SC00707025D	110	29	264	7.1	4	0	.04	5
SC00707103B	180	0	370	7.4	0	0	.03	2
SC00707115D	120	43	298	7.3	0	0	.05	4
SC00707127D	220	100	659	7.2	0	0	.17	2
SC00707213D	140	6	337	7.4	0	0	.08	2

¹SPRING.

Table 9.--Selected bacteriological and chemical analyses of well waters

GEOLOGIC UNIT: 400PCMB--PRECAMBRIAN BEDROCK
 111VLFL--QUATERNARY VALLEY-FILL DEPOSITS
 111FLDP--QUATERNARY FLOOD-PLAIN DEPOSITS

LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEOLOGIC UNIT	DIS-SOLVED PO-TAS-SIUM (MG/L)	DIS-SOLVED CHLO-RIDE (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (MG/L)	TOTAL PHOS-PHORUS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)
SC0040 7005C	73-05-08	1550	400PCMB	1.6	2.7	.24	.02	113	12	2
SC0040 7005D	73-05-15	0845	400PCMB	2.4	2.6	.21	.01	166	0	0
SC0040 7005D	73-05-15	1010	400PCMB	4.1	45	23	.00	459	3	0
SC0040 7006D	73-04-24	1400	400PCMB	2.6	13	2.9	.01	339	0	0
SC0040 7007A	73-05-08	1440	111FLDP	1.7	8.4	1.8	.04	353	2	0
SC0040 7007B	73-04-18	1530	400PCMB	1.9	24	1.3	.03	371	0	0
SC0040 7007B	73-04-18	1420	111FLDP	1.1	21	4.3	.00	359	6	0
SC00407007B	73-08-23	1615	400PCMB	2.5	14	11	.01	481	--	--
SC0040 7007B	73-04-18	1320	400PCMB	3.5	13	.44	.00	573	0	0
SC0040 7007C	73-04-18	1045	400PCMB	4.5	54	14	.03	679	0	0
SC0040 7007C	73-04-18	1145	400PCMB	2.5	14	5.6	.00	415	0	0
SC0040 7007C	73-05-11	1400	400PCMB	3.7	56	12	.01	580	0	0
SC0040 7007C	73-05-10	1530	400PCMB	1.2	8.8	.08	.22	206	0	0
SC0040 7007C	73-04-17	1045	111FLDP	1.0	17	.48	.00	309	0	0
SC0040 7007D ¹	73-04-24	1140	400PCMB	1.9	13	4.0	.00	255	1	0
SC0040 7008A	73-09-07	1200	400PCMB	2.2	5.3	1.9	.84	252	0	0
SC0040 7008A	73-05-21	1410	111VLFL	2.4	17	.02	.00	291	3	0
SC0040 7008A	73-05-21	1550	400PCMB	.5	2.9	.89	.00	149	1	0
SC0040 7008A	73-05-22	0900	400PCMB	1.8	14	4.9	.00	216	0	0
SC0040 7008B	73-04-30	1445	111FLDP	.9	6.7	1.8	.00	139	0	0
SC0040 7008B	73-04-30	1350	111FLDP	1.4	17	4.8	.01	214	0	0
SC0040 7009B ¹	73-05-15	1500	400PCMB	5.6	33	16	.00	546	0	0
SC0040 7009B	73-09-07	1015	400PCMB	5.6	24	12	.03	426	0	0
SC0040 7009B	73-05-15	1600	400PCMB	3.2	6.5	1.6	.00	279	0	0
SC0040 7017C ¹	72-10-17	1530	111FLDP	1.4	3.3	.63	.00	348	0	0
SC0040 7017D	73-09-07	1030	111FLDP	1.9	5.7	.72	.01	338	4	0
SC0040 7017D	72-10-17	1415	400PCMB	2.6	14	5.9	.01	517	8	0
SC0040 7017D	72-10-20	1220	111VLFL	1.9	2.6	2.2	.02	334	0	0
SC0040 7018A	73-04-24	1530	400PCMB	1.9	22	10	.01	466	0	0
SC0040 7018B	73-05-10	1450	111VLFL	2.0	9.8	8.8	.03	387	0	0
SC0040 7018B	73-05-09	1220	111FLDP	2.3	78	14	.13	522	6	0
SC0040 7019A	72-10-18	1545	111VLFL	2.8	13	5.0	.02	349	0	0
SC0040 7019B	72-10-20	0830	400PCMB	3.8	1.0	.00	.01	230	0	0
SC0040 7019C	72-10-20	1020	400PCMB	3.1	1.9	.04	.01	298	0	0
SC0040 7020B	72-10-19	0845	400PCMB	4.1	8.5	1.3	.02	310	0	0
SC0040 7020B	72-10-18	1400	400PCMB	2.0	2.4	1.7	.01	236	0	0
SC0040 7028B	72-10-24	1430	111VLFL	1.7	1.2	1.8	.02	280	26	0
SC0040 7029A	72-10-25	0945	111VLFL	3.6	8.8	3.5	.02	384	1	0
SC0040 7029A	72-10-24	1540	111VLFL	2.3	2.4	.10	.03	328	3	4
SC0040 7031B ¹	72-10-31	0940	400PCMB	2.6	33	.21	.02	536	0	0

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENT- I- FIER	DATE OF SAMPLE	TIME	GEO- LOGIC UNIT	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)
SC00407031B	73-09-07	1200	400PCMB	2.8	40	.02	.01	577	0	0
SC00407032A	72-10-26	1410	111FLDP	2.0	5.4	.23	.08	311	19	0
SC00407032A	72-10-26	1300	111FLDP	2.7	7.0	1.5	.06	335	0	0
SC00407033B	72-10-26	1510	111FLDP	3.2	19	10	.02	690	1	0
SC00407107B	73-06-19	1000	400PCMB	2.0	4.9	.13	.02	415	0	0
SC00407107B ¹	73-06-19	0850	111FLDP	2.0	20	.04	.03	376	0	0
	73-09-07	1500	111FLDP	.0	14	.01	--	354	0	0
SC00407108C	73-04-05	1230	400PCMB	2.4	5.2	.49	.01	271	0	0
SC00407108C	73-04-05	1050	400PCMB	3.1	10	5.1	.00	352	0	0
SC00407108D	73-04-05	1300	400PCMB	4.2	5.0	.18	.22	317	0	0
SC00407109A	73-04-05	1600	400PCMB	7.3	4.7	.18	.00	403	0	0
SC00407109B	73-05-09	1010	400PCMB	3.3	69	16	.00	772	0	0
SC00407109B	73-04-09	1320	400PCMB	4.8	2.9	2.0	.00	390	0	0
SC00407109C	73-04-09	1440	400PCMB	2.2	2.8	.61	.00	307	0	0
SC00407109C	73-05-09	0910	400PCMB	5.9	4.1	1.3	.00	384	0	0
SC00407109D	73-04-09	1215	400PCMB	8.2	3.0	.04	.00	357	0	0
SC00407109D	73-04-05	1515	400PCMB	5.8	4.0	2.8	.00	327	0	0
SC00407110C	73-04-09	0850	400PCMB	6.6	16	4.7	.00	387	0	0
SC00407111A	73-04-17	1350	400PCMB	1.8	9.7	3.6	.07	184	3	0
SC00407111D	73-04-17	1215	400PCMB	1.8	35	9.2	.00	406	0	0
SC00407111D	73-04-12	1345	400PCMB	3.3	18	3.4	.00	364	0	0
SC00407112C	73-05-23	1110	111VLFL	1.9	13	4.9	.00	195	2	0
SC00407112C	73-08-24	1130	400PCMB	4.3	9.8	.04	.01	255	--	--
SC00407112D	73-05-23	0840	111VLFL	1.4	11	2.7	.00	244	0	0
SC00407112D	73-05-23	0955	111VLFL	1.5	4.1	3.4	.03	178	0	0
SC00407112D	73-05-09	1530	400PCMB	1.1	6.6	3.3	.03	176	5	1
SC00407112D	73-05-23	1300	400PCMB	1.3	11	.86	.00	275	0	0
SC00407113A	73-04-16	1330	111FLDP	1.6	4.0	.39	.02	190	10	0
SC00407113B	73-03-02	1315	400PCMB	1.4	32	17	.00	496	1	0
SC00407113B	73-04-17	0840	400PCMB	1.6	19	26	.01	538	1	0
SC00407113B	73-04-16	1050	400PCMB	2.5	5.6	3.5	.01	284	0	0
SC00407113D ¹	73-04-16	1420	400PCMB	4.4	20	14	.06	446	1	0
	73-09-11	1030	400PCMB	4.3	11	3.0	--	312	120	0
SC00407115A	73-04-12	1245	400PCMB	2.5	20	5.8	.00	365	0	0
SC00407115C	73-04-12	0930	111FLDP	4.1	26	1.0	.01	363	0	0
SC00407115C	73-04-11	1420	111FLDP	2.5	85	51	.01	1080	0	0
SC00407116A	73-04-05	1430	400PCMB	4.7	9.3	3.0	.00	354	0	0
SC00407116B	73-04-10	1520	400PCMB	3.0	3.3	.32	.00	323	0	0
SC00407116C	73-04-04	1220	400PCMB	1.8	6.6	1.5	.01	398	0	0
SC00407116D	73-08-22	1330	400PCMB	2.3	40	8.8	.00	539	--	--

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEO-LOGIC UNIT	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)
SC0040 7116D	73-04-04	1030	400PCMB	3.3	35	2.6	.00	489	2	0
SC0040 7117A	73-04-04	1430	400PCMB	3.5	1.7	.50	.03	215	0	0
SC0040 7117B	73-04-05	0945	400PCMB	.7	3.2	.03	.04	347	0	0
SC0040 7117C	73-06-14	1340	400PCMB	4.1	30	24	.03	742	0	0
SC0040 7117D	73-04-04	1330	400PCMB	1.2	2.2	.51	.00	253	0	0
SC0040 7117D	73-04-05	0830	400PCMB	.6	4.4	1.0	.03	219	0	0
SC0040 7117D	73-06-06	1315	111VLFL	3.2	34	2.1	.00	709	0	0
SC0040 7120A	73-06-06	1430	111VLFL	2.7	14	4.5	.00	414	1	0
SC0040 7120A ¹	73-06-06	1530	400PCMB	2.6	1.7	.75	.00	228	1	0
	73-09-07	1400	400PCMB	.0	1.9	.97	--	249	0	0
SC0040 7120B	73-06-13	1420	111FLDP	4.0	110	3.4	.03	744	27	0
SC0040 7120C	73-06-13	1540	400PCMB	3.5	17	2.7	.02	441	0	0
SC0040 7121A	73-05-22	1555	400PCMB	4.4	50	36	.02	808	1	0
SC0040 7122A	73-05-24	1430	400PCMB	1.3	3.3	.17	.00	253	0	0
SC0040 7122C	73-05-23	1430	400PCMB	1.1	3.4	.96	.02	257	0	0
SC0040 7122D	73-05-24	1305	111FLDP	1.3	4.2	.54	.01	293	0	0
SC0040 7123B	73-04-12	1100	111FLDP	2.2	5.0	.55	.01	329	0	0
SC0040 7124A	73-04-13	0945	400PCMB	1.6	11	1.8	.01	249	0	0
SC0040 7124B	73-04-12	1510	400PCMB	2.9	44	4.9	.01	437	0	0
SC0040 7125C	72-10-31	1130	111FLDP	2.3	6.9	.08	.01	358	0	0
SC0040 7126D	73-05-25	0910	111FLDP	2.6	61	39	.01	1340	0	0
SC0040 7127A	73-05-24	1130	111FLDP	3.0	5.9	.82	.00	398	0	0
SC0040 7127A ¹	73-05-24	1025	400PCMB	3.0	4.3	1.2	.00	311	0	0
	73-09-12	1130	400PCMB	3.3	3.6	1.1	--	306	0	0
SC0040 7127B	73-05-24	0900	400PCMB	3.3	3.6	1.4	.01	383	0	0
SC0040 7127B	73-05-23	1550	400PCMB	5.0	58	20	.00	716	0	0
SC0040 7127C	73-05-31	1245	111FLDP	2.3	12	6.7	.00	423	1	0
SC0040 7132A	73-06-05	1545	400PCMB	1.3	5.7	1.1	.00	362	2	0
SC0040 7134A	73-05-31	1135	400PCMB	2.3	7.0	1.5	.00	386	0	0
SC0040 7134A	73-05-31	1350	400PCMB	2.5	3.4	.49	.00	264	0	0
SC0040 7134C	73-06-04	1630	111FLDP	2.1	1.9	2.2	.00	394	0	0
SC0040 7134D	73-06-04	1530	111FLDP	3.1	8.1	1.0	.03	423	0	0
SC0040 7134D	73-06-04	1445	111FLDP	3.0	9.4	.47	.06	360	0	0
SC0040 7135A	73-05-25	1015	111FLDP	3.0	58	28	.00	803	0	0
SC0040 7135B	73-05-31	1035	400PCMB	2.4	7.6	3.7	.01	512	0	0
SC0040 7135C	73-05-31	0920	111FLDP	2.3	21	3.7	.00	562	0	0
SC0040 7135C	73-06-01	1015	111FLDP	2.8	15	.65	.06	444	0	0
SC0040 7135C	73-06-01	0900	111FLDP	2.8	20	2.4	.01	451	0	0
SC0040 7135C	73-05-31	1500	111FLDP	8.1	7.9	.55	.00	402	0	0
SC0040 7135C	73-06-11	0945	111FLDP	3.3	12	.88	.09	390	0	0

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENT- IFIER	DATE OF SAMPLE	TIME	GEO- LOGIC UNIT	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)
SC0040 7135D	73-05-29	1420	111FLDP	5.0	14	1.3	.00	438	1	0
SC0040 71350	73-05-30	0900	111VLFL	3.3	16	7.5	.00	595	0	0
SC0040 7136A	72-10-31	1340	111FLDP	2.9	3.1	.22	.00	122	1	0
SC0040 7136B	73-05-29	1330	111FLDP	3.0	61	.29	.00	446	1	0
SC0040 7136C	72-10-31	1605	400PCMB	3.8	37	11	.00	704	0	0
SC0040 7212D	73-06-15	1540	400PCMB	5.7	2.2	.00	.01	438	3	0
SC0040 7212D	73-06-15	1420	400PCMB	2.8	9.7	.08	.02	224	0	0
SC0040 7213B	73-06-14	1535	400PCMB	2.3	2.8	.47	.02	296	0	0
SC0040 7224D	73-06-18	1430	400PCMB	1.3	9.2	1.3	.03	173	1	0
SC0050 7005B	72-12-14	1515	400PCMB	1.2	4.0	1.7	.01	260	0	0
SC0050 7005C	72-12-15	1100	400PCMB	1.8	4.4	.08	.01	292	0	0
SC0050 7006C	72-11-15	0915	400PCMB	3.0	3.8	1.4	.01	377	0	0
SC0050 7006C	72-11-14	1015	400PCMB	4.4	43	11	.01	627	6	0
SC0050 7006D	72-12-14	1415	400PCMB	1.1	2.6	1.4	.01	229	0	0
SC0050 7006D	72-11-14	1530	400PCMB	1.3	28	4.3	.01	362	1	0
SC0050 7007A	72-11-14	0900	400PCMB	1.1	6.3	3.3	.01	299	1	0
SC0050 7007A	72-11-10	1100	400PCMB	1.7	34	8.8	.03	445	0	0
SC0050 7007B	72-11-14	1330	400PCMB	1.2	13	6.9	.04	302	21	0
SC0050 7007B	72-11-14	1115	400PCMB	.8	22	9.4	.01	447	0	0
SC0050 7007B	72-11-14	1000	400PCMB	1.6	2.2	.64	.00	303	2	0
SC0050 7007B	72-11-10	1545	400PCMB	1.6	11	7.9	.01	276	86	0
SC0050 7007D	72-11-10	1315	400PCMB	2.2	34	10	.02	671	0	0
SC0050 7007D	73-09-12	1345	400PCMB	2.3	41	18	--	744	0	0
SC0050 7007D	72-11-10	1415	400PCMB	1.2	15	2.0	.02	404	31	0
SC0050 7008A	72-12-15	1245	400PCMB	2.9	5.7	3.7	.01	383	0	0
SC0050 7008B	72-11-14	1430	400PCMB	3.5	3.0	.49	.03	346	0	0
SC0050 7008B	72-12-15	1400	400PCMB	1.5	2.1	.40	.01	255	1	0
SC0050 7008C	72-11-08	1530	111VLFL	1.6	12	4.6	.04	245	39	0
SC0050 7008C	72-11-08	1430	400PCMB	1.5	14	1.7	.03	425	4	0
SC0050 7015B	72-11-06	1430	400PCMB	2.6	2.1	.31	.02	210	24	0
SC0050 7015C	73-07-16	1530	111VLFL	1.9	2.2	3.0	.03	247	56	0
SC0050 7016A	73-07-16	1100	111VLFL	1.2	1.9	.42	.02	344	52	0
SC0050 7016A	72-11-06	1215	400PCMB	2.3	19	7.1	.00	399	0	0
SC0050 7016B	72-11-06	1045	400PCMB	2.6	38	11	.01	499	77	0
SC0050 7016C	72-11-06	0815	400PCMB	2.2	38	9.0	.03	523	1	0
SC0050 7016C	72-11-06	0945	400PCMB	2.5	43	16	.03	720	4	0
SC0050 7016D	73-07-05	1545	400PCMB	3.3	3.4	.22	.04	315	0	0
SC0050 7016D	72-11-06	1315	400PCMB	1.8	41	32	.02	674	1	0
SC0050 7017A	72-11-07	1300	111VLFL	2.0	32	.56	.04	404	1	0
SC0050 7017A	72-11-07	1500	400PCMB	1.2	2.4	.02	.01	272	0	0

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEOLOGIC UNIT	DIS-SOLVED POTASSIUM (MG/L)	DIS-SOLVED CHLORIDE (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (MG/L)	TOTAL PHOSPHORUS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)
SC0050 701 7A	72-11-07	0930	400PCMB	1.8	16	3.3	.04	604	0	0
SC0050 701 7A	72-11-07	1030	400PCMB	1.9	32	5.2	.02	630	4	0
SC0050 701 7A	72-11-07	0830	400PCMB	3.7	14	3.6	.02	536	0	0
SC0050 701 7B	72-11-08	1345	400PCMB	2.8	2.7	.86	.00	386	0	0
SC0050 701 7B	72-11-08	1045	400PCMB	3.3	24	1.3	.00	554	156	0
SC0050 701 8C	72-12-04	1400	400PCMB	2.2	20	3.3	.04	433	0	0
SC0050 701 8C	72-12-04	1300	400PCMB	1.3	2.1	.04	.02	184	0	0
SC0050 701 8D	72-12-04	1000	400PCMB	1.6	2.9	.00	.03	281	0	0
SC0050 701 8D	72-12-04	1515	400PCMB	1.1	1.4	.07	.00	279	0	0
SC0050 701 9B	72-12-04	1045	400PCMB	1.4	2.9	.04	.01	260	2	0
SC0050 701 9B	72-12-04	1200	400PCMB	2.2	15	2.6	.01	479	0	0
SC0050 702 0B	72-12-04	0845	400PCMB	1.8	3.2	.00	.05	264	0	0
SC0050 702 0B	72-11-30	1215	400PCMB	.9	7.8	1.0	.03	328	0	0
SC0050 702 0C ¹	72-11-30	1345	400PCMB	1.9	2.7	.04	.02	403	0	0
	73-09-18	1000	400PCMB	2.3	3.6	.02	.01	381	0	0
SC0050 702 0C	72-12-01	1445	400PCMB	1.4	1.9	.00	.01	307	0	0
SC0050 702 0C	72-12-01	1345	400PCMB	2.5	4.2	.93	.01	341	0	0
SC0050 702 0D	72-11-30	1100	400PCMB	1.8	2.0	.34	.01	204	0	0
SC0050 702 0D	72-11-30	1445	400PCMB	2.2	5.1	2.5	.01	308	62	0
SC0050 702 0D	72-11-30	1000	400PCMB	2.3	6.6	2.1	.01	305	0	0
SC0050 702 0D	72-11-30	0845	400PCMB	1.7	2.2	.02	.01	310	0	0
SC0050 702 1A	72-11-29	1145	400PCMB	5.6	49	1.9	.02	633	0	0
SC0050 702 1A	72-11-15	1215	111FLDP	1.8	11	.26	.01	246	2	0
SC0050 702 1A	72-11-15	1515	400PCMB	2.1	34	.71	.03	570	0	0
SC0050 702 1D	72-11-29	1300	400PCMB	7.9	18	1.6	.02	619	0	0
SC0050 702 1D	73-07-03	1015	400PCMB	4.6	2.4	.10	.03	307	1	0
SC0050 702 2C	72-11-15	1615	111FLDP	1.5	20	.71	.01	214	45	0
SC0050 702 2C	73-07-16	1430	111VLFL	1.7	4.7	.03	.04	147	0	0
SC0050 702 2C	72-11-15	1345	111FLDP	2.7	15	.48	.03	287	4	0
SC0050 702 2D	72-12-13	1100	400PCMB	1.8	2.2	.00	.02	208	0	0
SC0050 702 3C ¹	72-12-13	1000	400PCMB	3.5	5.9	3.9	.02	262	0	0
	73-09-14	0930	400PCMB	3.8	4.7	2.8	.03	291	0	0
SC0050 702 7B	72-12-12	1115	400PCMB	.9	7.4	1.3	.01	313	0	0
SC0050 702 7C	72-12-12	1230	400PCMB	5.8	2.6	.11	.08	293	0	0
SC0050 702 7C	72-12-13	1215	400PCMB	4.5	26	6.5	.05	445	4	0
SC0050 702 7C	72-12-13	1315	111VLFL	2.4	9.5	1.8	.03	431	4	0
SC0050 702 8A	72-11-29	1445	111FLDP	2.6	3.3	.40	.00	345	0	0
SC0050 702 8B	72-12-01	0830	111VLFL	1.5	3.0	.23	.04	157	1	0
SC0050 702 8B	72-12-01	0930	400PCMB	2.0	7.5	4.7	.02	398	0	0
SC0050 702 8B	72-11-29	1600	400PCMB	2.0	10	8.8	.05	311	0	0

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEOLOGIC UNIT	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)
SC0050 7029A	72-12-07	0845	400PCMB	2.8	14	7.5	.02	400	0	0
SC0050 7029A	72-12-07	0945	400PCMB	1.8	5.1	4.2	.03	327	0	0
SC0050 7029A	72-12-07	1045	400PCMB	1.4	4.4	7.4	.01	271	0	0
SC0050 7029A	72-12-07	1215	400PCMB	1.3	2.6	2.0	.00	304	0	0
SC0050 7029A	72-12-08	0900	400PCMB	5.6	1.8	.09	.07	270	0	0
SC0050 7029A	72-12-01	1115	111FLDP	2.5	5.8	.42	.02	470	0	0
SC0050 7029B	72-12-07	1315	400PCMB	1.5	5.3	3.1	.02	252	0	0
SC0050 7029B	72-12-07	1415	400PCMB	1.2	.8	.13	.04	214	0	0
SC0050 7029B	72-12-07	1515	400PCMB	2.4	1.9	.45	.02	256	8	0
SC0050 7029C	72-12-08	1015	400PCMB	.8	1.2	.40	.05	103	0	0
SC0050 7029C	72-12-08	1130	400PCMB	1.0	6.3	1.7	.04	254	0	0
SC0050 7030A	72-12-12	0900	400PCMB	1.4	11	8.6	.01	352	0	0
SC0050 7030A	72-12-08	1500	400PCMB	1.7	8.9	.96	.03	299	0	0
SC0050 7030D	73-02-23	0845	111FLDP	1.6	2.2	.22	.02	276	0	0
SC0050 7031A	72-12-08	1315	400PCMB	1.1	9.8	5.0	.02	330	1	0
SC0050 7031C	72-12-12	1000	400PCMB	.9	.7	.05	.03	150	2	0
SC0050 7031D	73-02-23	0945	400PCMB	.5	.9	.13	.00	189	0	0
SC0050 7033B	72-12-12	1345	400PCMB	1.9	1.8	.80	.17	122	2	0
SC0050 7033C	72-10-18	1500	400PCMB	2.6	3.7	.99	.11	261	0	0
SC0050 7033C	72-12-12	1430	400PCMB	2.6	2.0	1.1	.02	260	0	0
SC0050 7033C	73-07-05	1430	400PCMB	2.8	2.7	.08	--	308	6	0
SC0050 7033D ¹	72-12-14	1030	400PCMB	3.5	2.1	.51	.03	379	0	0
SC0050 7033D	73-09-12	1500	400PCMB	4.0	4.2	.55	.02	428	0	0
SC0050 7033D	72-12-12	1545	400PCMB	2.3	8.0	2.0	.01	290	0	0
SC0050 7034B	72-12-13	1415	111VLFL	2.4	40	.30	.21	346	124	0
SC0050 7034B	72-12-13	1515	400PCMB	3.2	4.2	.86	.01	476	0	0
SC0050 7034C	72-12-14	0845	111FLDP	3.0	64	14	.04	679	7	0
SC0050 7034C	72-12-14	1130	111VLFL	2.9	4.7	1.6	.01	383	0	0
SC0050 7101B	72-12-18	0945	400PCMB	3.2	10	2.0	.01	444	1	0
SC0050 7102A	73-05-29	1520	111FLDP	2.3	45	6.7	.00	675	0	0
SC0050 7102A	72-12-18	1215	111FLDP	1.6	25	.18	.02	313	0	0
SC0050 7102B	72-12-18	1430	111FLDP	1.4	51	1.8	.02	712	0	0
SC0050 7102C	72-12-18	1530	111FLDP	.7	11	.62	.02	190	11	0
SC0050 7102C	73-06-21	0915	400PCMB	5.1	42	.04	.02	2000	0	0
SC0050 7102D	73-06-21	1045	400PCMB	1.0	4.3	2.9	.02	299	0	0
SC0050 7102D	72-12-18	1045	400PCMB	1.1	1.9	.06	.04	195	0	0
SC0050 7104C	72-12-20	1400	400PCMB	2.0	9.7	2.5	.05	250	0	0
SC0050 7104C	72-12-19	1500	400PCMB	1.5	3.1	.14	.01	322	0	0
SC0050 7104D	72-12-19	1300	400PCMB	1.6	21	2.7	.01	443	0	0
SC0050 7104D	72-12-20	0900	400PCMB	1.6	2.5	.74	.01	270	0	0

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEO-LOGIC UNIT	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)
SC0050 71040	73-06-22	1430	111FLDP	1.1	21	2.3	.03	573	0	0
SC0050 7105A	72-12-20	1100	400PCMB	1.5	4.0	.29	.03	273	9	0
SC0050 7105A	73-06-13	1400	400PCMB	.9	2.6	.70	.03	281	0	0
SC0050 7105A	72-12-26	0930	400PCMB	1.6	2.4	.20	.02	296	0	0
SC0050 7105B	73-06-13	1500	400PCMB	1.7	2.7	1.4	.03	260	0	0
SC0050 7105C	72-12-26	1215	400PCMB	1.8	1.5	.08	.04	84	2	0
SC0050 7105C	72-12-26	1045	400PCMB	1.3	6.9	1.2	.01	253	0	0
SC0050 7105D	72-12-20	1500	400PCMB	1.6	7.0	.00	.02	258	4	0
SC0050 7105D	72-12-20	1545	400PCMB	3.4	75	.00	.04	1140	0	0
SC0050 7106C	72-12-27	0845	400PCMB	3.1	2.6	1.7	.02	353	0	0
SC0050 7106C ¹	72-12-27	0945	111FLDP	1.0	5.3	.16	.11	83	0	0
	73-09-18	1145	111FLDP	1.1	3.8	.07	.02	89	0	0
SC0050 7106D	72-12-26	1315	111FLDP	.8	2.1	.27	.02	69	0	0
SC0050 7106D	72-12-26	1500	400PCMB	2.7	11	2.3	.02	406	0	0
SC0050 7107B	72-12-27	1600	400PCMB	2.1	1.1	.01	.02	254	0	0
SC0050 7107B	72-12-28	1000	400PCMB	1.4	4.0	.17	.06	344	0	0
SC0050 7108A	73-06-22	0945	400PCMB	2.9	2.7	.06	.24	171	0	0
SC0050 7108C	73-01-29	1515	400PCMB	2.5	8.9	3.1	.01	345	0	0
SC0050 7108C	73-01-29	1345	400PCMB	1.1	3.4	.01	.03	265	0	0
SC0050 7108C	73-06-13	1200	111VFL	2.3	8.4	.00	.05	278	4	0
SC0050 7109A	72-09-27	1320	111FLDP	1.4	14	2.5	.01	425	0	0
SC0050 7109B	72-12-20	1300	400PCMB	1.4	4.4	.17	.07	324	0	0
SC0050 7109B	72-09-27	1230	400PCMB	1.2	1.5	.61	.02	197	0	0
SC0050 7110B	73-06-25	1000	111FLDP	1.1	4.0	2.9	.02	232	0	0
SC0050 7111A	73-01-31	1000	400PCMB	1.0	1.4	.31	.01	250	0	0
SC0050 7111B	73-06-21	1300	400PCMB	8.6	9.3	.67	.03	398	68	0
SC0050 7111C	73-06-21	1400	400PCMB	1.3	8.8	2.3	.03	255	0	0
SC0050 7111D	73-06-12	1130	111FLDP	1.1	10	.00	.05	131	0	0
SC0050 7112C	73-01-31	1100	400PCMB	3.4	1.5	.20	.03	266	0	0
SC0050 7112C	73-01-31	1215	400PCMB	2.2	1.5	.25	.02	200	0	0
SC0050 7112D	73-01-31	0900	400PCMB	1.3	1.2	.56	.01	220	0	0
SC0050 7112D	73-01-30	1430	400PCMB	1.8	2.1	.02	.03	228	0	0
SC0050 7113A	73-01-30	1330	400PCMB	1.5	2.1	2.3	.01	248	0	0
SC0050 7113A	73-01-31	1315	400PCMB	1.4	1.0	.18	.02	303	0	0
SC0050 7113B	73-02-06	1015	400PCMB	1.2	16	.13	.07	155	0	0
SC0050 7113B	73-02-01	1200	400PCMB	1.7	5.6	.78	.03	271	0	0
SC0050 7113C	73-02-01	0930	400PCMB	1.3	2.4	.21	.03	233	0	0
SC0050 7113C	73-02-06	0900	400PCMB	.8	4.6	1.8	.02	166	0	0
SC0050 7113D	73-01-31	1400	400PCMB	3.1	4.9	.03	.01	354	0	0
SC0050 7113D	73-01-31	1500	400PCMB	1.4	7.7	.35	.03	270	0	0

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENT- I- FIER	DATE OF SAMPLE	TIME	GEO- LOGIC UNIT	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)
SC0050 7114C	73-02-13	0845	400PCMB	1.8	47	16	.00	564	0	0
SC0050 7114C	73-02-06	1315	400PCMB	1.4	4.1	.13	.02	279	0	0
SC0050 7114C	73-02-06	1230	400PCMB	1.4	5.7	1.7	.04	284	0	0
SC0050 7114D	73-02-06	1115	111FLDP	1.3	21	.01	.02	222	50	0
SC0050 7115A	73-06-11	1100	111VLFL	9.0	22	.01	.03	346	0	0
SC0050 7115B	73-02-22	0830	400PCMB	1.2	10	1.0	.00	285	0	0
SC0050 7115C	73-02-14	1015	111FLDP	1.2	6.5	.06	.00	228	0	0
SC0050 7116A	73-06-13	0930	111VLFL	1.6	14	.53	.03	363	0	0
SC0050 7116A	73-02-21	1330	400PCMB	1.0	18	7.2	.01	427	0	0
SC0050 7116A	73-02-21	1215	400PCMB	1.8	7.9	1.2	.00	402	0	0
SC0050 7116B	73-02-21	0945	400PCMB	2.0	25	10	.00	611	0	0
SC0050 7116B	73-02-21	1430	400PCMB	1.4	3.7	.01	.00	258	0	0
SC0050 7116C	73-02-21	0845	400PCMB	1.4	96	.78	.00	656	0	0
SC0050 7116C	73-09-14	1300	400PCMB	1.6	120	1.1	.03	737	0	0
SC0050 7116C	73-02-16	1300	400PCMB	1.2	2.3	.37	.00	286	0	0
SC0050 7116D	73-02-16	1445	400PCMB	1.3	3.3	.29	.00	378	0	0
SC0050 7116D	73-02-21	1100	400PCMB	1.4	2.7	.32	.00	397	0	0
SC0050 7116D	73-02-16	1345	400PCMB	.6	4.3	.99	.00	318	0	0
SC0050 7117A	73-06-12	1515	111VLFL	1.7	3.1	.03	.06	127	0	0
SC0050 7117A	73-01-30	1000	400PCMB	1.6	1.5	.00	.03	293	0	0
SC0050 7117B	73-01-30	0845	400PCMB	1.2	1.9	.21	.04	116	0	0
SC0050 7117C	73-01-19	1500	400PCMB	1.7	7.7	.06	.09	279	1	0
SC0050 7117C	73-01-19	1330	400PCMB	1.6	2.0	.38	.02	218	0	0
SC0050 7118A	73-01-29	1045	400PCMB	1.1	2.3	.00	.03	287	0	0
SC0050 7118A	73-01-29	1200	400PCMB	1.6	32	.53	.04	252	0	0
SC0050 7118C	72-12-28	1215	400PCMB	2.1	1.1	.61	.07	184	0	0
SC0050 7118C	72-12-28	1445	400PCMB	.8	5.3	.80	.02	174	0	0
SC0050 7118D	73-01-17	1100	400PCMB	1.2	8.3	1.3	.03	93	0	0
SC0050 7118D	73-01-19	1230	400PCMB	4.9	92	8.3	.03	900	0	0
SC0050 7119A	73-01-18	1030	400PCMB	1.1	1.1	.16	.03	173	132	0
SC0050 7119A	73-01-17	1230	400PCMB	.6	.6	.30	.05	141	0	0
SC0050 7119B	73-01-17	0845	400PCMB	1.8	5.1	.04	.01	228	0	0
SC0050 7119C	73-01-17	1445	400PCMB	1.2	3.5	.39	.02	188	2	0
SC0050 7119C	73-01-18	0915	400PCMB	1.9	1.0	.29	.02	128	0	0
SC0050 7119D	73-01-17	1345	400PCMB	1.1	1.1	.92	.04	84	0	0
SC0050 7120B	73-01-18	1300	400PCMB	.9	2.7	.59	.04	121	0	0
SC0050 7120B	73-01-18	1145	400PCMB	2.2	1.9	.00	.01	225	0	0
SC0050 7120C	73-01-19	1115	400PCMB	2.4	5.5	.92	.03	205	0	0
SC0050 7120C	73-01-19	1015	400PCMB	1.9	1.8	.06	.03	111	0	0
SC0050 7120D	73-01-19	0845	400PCMB	1.0	3.1	.94	.07	332	0	0

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEOLOGIC UNIT	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)
SC0050 7120D	73-01-18	1445	400PCMB	1.1	1.8	.02	.08	306	0	0
SC0050 7121A	73-02-22	0930	111FLDP	1.2	6.0	.01	.02	132	0	0
SC0050 7121A	73-06-07	1400	111FLDP	1.4	1.7	.00	.04	107	0	0
SC0050 7121B	73-02-16	1130	400PCMB	1.9	4.3	1.6	.01	136	0	0
SC0050 7121B	73-02-16	1015	400PCMB	1.2	3.1	2.2	.01	354	0	0
SC0050 7121C	73-02-16	0900	400PCMB	.9	2.3	.49	.00	286	0	0
SC0050 7121C	73-02-22	1500	400PCMB	.7	1.6	.35	.01	239	0	0
SC0050 7121D	73-02-22	1045	111FLDP	.9	6.0	.40	.00	137	0	0
SC0050 7121D	73-02-22	1130	400PCMB	1.1	2.2	.08	.00	214	0	0
SC0050 7122A	73-02-14	1230	400PCMB	1.2	41	11	.00	505	0	0
SC0050 7122A	73-02-14	1330	400PCMB	.5	4.9	.97	.00	224	0	0
SC0050 7122C	73-02-14	1445	400PCMB	1.0	3.7	.49	.00	317	0	0
SC0050 7122C	73-02-15	1315	111VLFL	1.2	.9	.38	.00	119	0	0
SC0050 7122D	73-02-15	1145	400PCMB	1.3	4.9	1.8	.01	304	0	0
SC0050 7122D	73-02-15	1045	400PCMB	.6	5.9	2.0	.00	237	0	0
SC0050 7123A	73-02-13	0945	400PCMB	2.4	31	1.9	.01	528	0	0
SC0050 7123B	73-02-13	1045	400PCMB	1.4	6.0	1.9	.00	222	0	0
SC0050 7123B	73-02-13	1215	400PCMB	1.2	1.6	.36	.00	167	0	0
SC0050 7123C	73-02-13	1315	400PCMB	.8	4.0	1.7	.00	236	0	0
SC0050 7123C	73-02-13	1415	400PCMB	1.3	3.5	.39	.01	241	0	0
SC0050 7123D	73-02-14	0830	400PCMB	1.3	3.0	1.2	.01	202	0	0
SC0050 7124B	73-02-01	1030	400PCMB	1.2	1.3	.01	.04	151	0	0
SC0050 7124B	73-02-26	1315	400PCMB	1.3	2.9	.01	.01	272	0	0
SC0050 7124C	73-02-26	0915	400PCMB	.7	1.5	.00	.02	259	0	0
SC0050 7124C	73-02-26	0845	400PCMB	1.2	3.1	.21	.01	304	0	0
SC0050 7124C	73-02-27	0830	400PCMB	1.6	1.2	.06	.00	256	0	0
SC0050 7125A	73-02-27	0945	400PCMB	1.0	3.0	.55	.00	241	0	0
SC0050 7125B	73-02-23	1200	400PCMB	1.3	.9	.18	.00	213	0	0
SC0050 7125C	73-02-23	1300	400PCMB	1.1	1.6	.52	.02	220	0	0
SC0050 7125C	73-02-27	1430	400PCMB	1.4	29	.21	.01	341	0	0
SC0050 7125D	73-02-23	1430	400PCMB	1.5	7.1	1.9	.01	325	0	0
SC0050 7125D	73-02-27	1045	400PCMB	2.0	3.1	.99	.00	291	0	0
SC0050 7126B	73-03-07	1145	400PCMB	1.2	2.1	.18	.02	189	0	0
SC0050 7126B	73-03-07	1030	400PCMB	1.2	20	2.4	.00	272	0	0
SC0050 7126B	73-03-07	0945	400PCMB	.9	1.7	.85	.00	247	0	0
SC0050 7126C	73-03-07	1500	111VLFL	1.1	4.1	1.5	.00	187	0	0
SC0050 7126C	73-03-08	0845	400PCMB	1.4	2.7	.77	.00	251	0	0
SC0050 7126D	73-03-07	0830	400PCMB	1.2	3.7	1.4	.00	188	0	0
SC0050 7126D	73-02-27	1530	400PCMB	1.1	21	4.7	.00	298	0	0
SC0050 7127A	73-03-07	1415	111FLDP	.7	8.1	.34	.00	235	0	0

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEOLOGIC UNIT	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)
SC00507127A	73-03-07	1315	400PCMB	1.5	1.4	.10	.02	298	0	0
SC00507128B	73-02-22	1315	400PCMB	1.6	6.3	3.9	.01	411	1	0
SC00507128B	73-06-02	0930	400PCMB	.7	1.4	.36	.01	256	0	0
SC00507128B	73-02-22	1415	400PCMB	1.6	2.7	.07	.01	299	0	0
SC00507128C	73-04-24	1415	400PCMB	1.0	1.5	.07	.01	340	0	0
SC00507128C	73-04-24	1315	400PCMB	1.1	12	6.1	.01	384	0	0
SC00507129A	73-04-30	0915	400PCMB	.3	1.5	.34	.01	137	0	0
SC00507129A	73-04-30	1030	111FLDP	1.0	4.3	.09	.04	109	116	0
SC00507129C	73-05-24	0945	111VLFL	1.4	3.1	.00	.08	118	1	1
SC00507129D	73-05-22	1000	400PCMB	.9	4.5	.01	.02	191	0	0
SC00507130B	73-09-14	1130	400PCMB	1.4	3.8	.10	.03	249	0	0
SC00507130B	73-05-31	1000	111FLDP	.8	2.0	.41	.04	57	0	0
SC00507130B	73-05-24	1300	400PCMB	.8	1.4	.50	.02	130	1	0
SC00507130B	73-05-24	1415	400PCMB	2.7	3.4	.53	.00	189	0	0
SC00507130C	73-06-02	1300	400PCMB	1.8	8.0	7.8	.00	406	0	0
SC00507130D	73-05-24	1515	400PCMB	1.9	1.4	.04	.00	121	0	0
SC00507131A	73-05-24	1100	400PCMB	.9	1.2	.00	.04	38	0	0
SC00507131B	73-06-01	0945	400PCMB	.8	2.2	.13	.00	201	4	0
SC00507131B	73-06-02	1515	400PCMB	1.4	2.6	.12	.02	298	1	0
SC00507131C	73-06-01	1100	400PCMB	1.4	1.9	.02	.09	124	0	0
SC00507131C	73-05-31	1415	400PCMB	1.0	6.3	.02	.02	57	0	0
SC00507133A	73-05-18	1415	400PCMB	1.7	3.3	.41	.00	228	0	0
SC00507133A	73-04-24	1150	111VLFL	.9	4.2	.21	.05	120	2	0
SC00507133C	73-05-18	1100	400PCMB	5.2	2.1	.17	.04	235	0	0
SC00507133C	73-05-18	1245	400PCMB	1.0	2.4	.23	.02	113	0	0
SC00507133D	73-03-09	1415	400PCMB	1.2	2.9	.21	.01	219	0	0
SC00507134A	73-03-08	1130	400PCMB	.7	2.1	.28	.00	190	0	0
SC00507134A	73-03-08	1315	400PCMB	.6	3.6	.46	.01	178	0	0
SC00507134C	73-03-09	1300	400PCMB	.9	2.0	.46	.01	194	0	0
SC00507134C	73-03-09	1130	400PCMB	.9	.7	.08	.00	173	0	0
SC00507134D	73-03-08	1430	400PCMB	1.2	2.6	.22	.00	219	0	0
SC00507134D	73-03-09	1030	400PCMB	1.2	1.9	.46	.00	227	0	0
SC00507135B	73-03-08	1000	400PCMB	1.2	2.3	.08	.00	245	0	0
SC00507135C	73-03-09	0930	111FLDP	.2	8.1	1.7	.02	185	16	0
SC00507135C	73-03-09	0830	400PCMB	1.6	7.1	1.4	.04	182	0	0
SC00507136A	73-02-27	1330	400PCMB	3.1	5.2	1.7	.00	325	0	0
SC00507136A	73-02-27	1145	400PCMB	1.0	.9	.23	.02	125	0	0
SC00507201D	72-12-27	1245	400PCMB	1.1	8.9	.03	.02	607	0	0
SC00507201D	72-12-27	1100	111FLDP	1.4	3.1	1.4	.07	148	1	0
SC00507213D	72-12-28	1315	400PCMB	.8	1.1	.04	.04	177	0	0

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEO-LOGIC UNIT	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)
SC0050 7224A	73-01-17	0945	400PCMB	.9	3.7	.00	.04	199	0	0
SC0050 7225A	73-06-02	1045	400PCMB	.8	.7	.21	.09	62	1	0
SC0050 7225D	73-06-02	1145	400PCMB	2.0	1.2	.33	.00	258	0	0
SC0050 7225D	73-06-07	1245	400PCMB	2.3	2.7	.44	.03	407	0	0
SC0050 7225D	73-06-07	0945	111VLFL	.8	2.4	.13	.03	179	2	0
SC0050 7225D	73-06-02	1415	400PCMB	.6	1.4	.23	.00	252	0	0
SC00606918C	73-05-05	1115	400PCMB	3.3	1.3	.23	.00	366	0	0
SC0060 7002C	72-10-02	1500	400PCMB	2.4	14	.18	.02	442	4	0
SC0060 7002D	72-09-29	1200	400PCMB	3.6	1.1	.20	.00	304	0	0
SC0060 7002D	72-09-29	1315	111VLFL	.5	3.0	.01	.00	408	0	0
SC0060 7003B	72-10-02	1600	400PCMB	1.9	18	1.4	.02	394	0	0
SC0060 7003B	72-10-03	0954	111FLDP	2.6	12	1.6	.01	368	0	0
SC0060 7003B	72-10-03	1100	111FLDP	1.8	13	.03	.01	349	1	0
SC0060 7003D	72-10-03	0845	111FLDP	2.0	5.3	.18	.02	460	0	0
SC0060 7004B	72-10-18	1430	400PCMB	1.0	4.1	2.6	.03	163	1	0
SC0060 7004B	72-10-18	1345	400PCMB	2.1	3.6	1.0	.03	329	124	0
SC0060 7004C	72-10-18	1315	400PCMB	1.2	8.6	.63	.01	358	0	0
SC0060 7004D	72-10-25	0900	400PCMB	5.7	32	13	.02	543	0	0
SC0060 7004D	72-10-04	1315	400PCMB	4.4	37	19	.01	725	6	0
SC0060 7005A	72-10-18	1130	400PCMB	.2	1.5	.04	.02	278	0	0
SC0060 7005B	72-10-18	1215	400PCMB	1.0	.8	.28	.03	103	176	0
SC0060 7005D	72-10-18	1030	400PCMB	1.5	4.4	.45	.02	286	0	0
SC0060 7005D	72-10-18	1000	400PCMB	1.7	8.6	5.2	.02	194	0	0
SC0060 7005D	72-10-18	0900	400PCMB	1.4	3.2	.46	.02	306	0	0
SC0060 7006C	73-07-05	1300	400PCMB	3.5	19	3.1	.26	318	440	46
SC0060 7006D	72-10-16	1500	400PCMB	1.5	8.6	4.8	.18	219	1	0
SC0060 7006D	72-10-16	1400	400PCMB	.7	.9	.42	.02	124	228	2
SC0060 7006D	72-10-16	1230	400PCMB	.6	.4	.33	.00	216	13	0
SC0060 700 7A	73-08-15	1430	400PCMB	1.3	11	2.7	.03	187	--	--
SC0060 700 7A	72-10-17	1100	400PCMB	1.6	15	.34	.01	229	0	0
SC0060 700 7A	72-10-12	1415	400PCMB	1.3	4.6	.38	.02	228	0	0
SC0060 700 7B	72-10-17	1300	400PCMB	1.3	14	1.8	.01	316	0	0
SC0060 700 8A	72-10-12	1100	400PCMB	.9	.7	.00	.03	155	0	0
SC0060 700 8B	72-10-17	1500	400PCMB	1.5	45	.26	.02	312	0	0
SC0060 700 8B	72-10-17	1430	400PCMB	1.0	20	15	.02	336	0	0
SC0060 700 8B	72-10-16	1045	400PCMB	.6	4.6	1.3	.02	135	0	0
SC0060 700 8B	72-10-12	1500	400PCMB	1.8	19	13	.16	417	1	0
SC0060 700 8C	72-10-12	1315	111VLFL	1.5	14	3.3	.02	204	0	0
SC0060 700 8D	72-10-12	1015	111FLDP	8.6	12	1.3	.39	203	160	0
SC0060 700 8D	72-10-12	1230	111FLDP	.9	9.8	.03	.02	190	0	0

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEOLOGIC UNIT	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)
SC00607009A	72-10-04	1200	400PCMB	2.0	9.1	.65	.01	534	0	0
SC00607009A	72-10-04	1430	111FLDP	2.5	14	.11	.10	209	15	0
SC00607009A	72-10-05	0845	111VLFL	3.7	3.3	.01	.02	251	0	0
SC00607009B ¹	72-10-05	1000	400PCMB	1.3	30	2.7	.02	417	0	0
	73-09-20	1030	400PCMB	1.9	33	3.4	.05	443	3	0
SC00607009C	72-10-11	0930	111FLDP	1.0	7.9	.13	.01	261	0	0
SC00607009C	72-10-11	1030	111FLDP	.8	8.0	.05	.02	277	0	0
SC00607009D	72-10-12	0900	111VLFL	1.1	12	4.0	.02	173	11	0
SC00607010B	72-10-04	1030	400PCMB	3.5	3.0	.29	.01	418	0	0
SC00607010B	72-10-04	0930	400PCMB	2.5	3.7	.71	.01	349	0	0
SC00607011A	72-09-29	1420	400PCMB	2.0	2.5	.11	.01	350	0	0
SC00607011A	72-09-29	1500	400PCMB	4.9	51	7.9	.01	559	0	0
SC00607011B	72-10-25	1445	111VLFL	5.1	23	11	.12	661	35	0
SC00607011B	72-10-02	1410	111FLDP	3.3	13	2.8	.04	475	24	0
SC00607011B	72-10-25	1200	111FLDP	8.8	22	.04	.13	503	3	0
SC00607011C	72-10-25	1300	111FLDP	3.0	13	.00	.03	349	1	0
SC00607011C	72-10-25	1230	400PCMB	1.5	2.7	.21	.02	206	17	0
SC00607011D	73-07-16	1315	111FLDP	4.0	6.4	.02	.05	483	3	0
SC00607012D ¹	73-05-05	1530	400PCMB	2.3	1.9	.17	.00	390	0	0
	73-07-16	1230	400PCMB	2.2	2.0	.12	.03	369	0	0
SC00607013B	73-05-03	1600	400PCMB	1.3	2.7	.58	.05	216	0	0
SC00607013C	73-04-30	0850	111VLFL	1.5	17	6.6	.06	292	25	0
SC00607013C	73-04-30	0950	400PCMB	3.6	1.5	.01	.01	243	0	0
SC00607013C	73-08-14	1130	111VLFL	2.0	3.1	.16	.03	334	--	--
SC00607013D	73-05-03	1000	400PCMB	1.2	5.2	2.0	.02	135	0	0
SC00607013D ¹	73-05-05	1300	400PCMB	.9	1.9	.02	.05	69	0	0
	73-09-20	1245	400PCMB	1.7	2.4	.14	.05	84	0	0
SC00607013D	73-05-05	1200	400PCMB	.9	1.9	.02	.05	106	0	0
SC00607014A	72-10-25	1400	400PCMB	1.5	12	1.1	.01	517	0	0
SC00607014B	73-07-12	1145	111FLDP	1.3	2.7	.56	.07	470	2	0
SC00607014B	73-07-12	1300	111FLDP	2.2	2.6	.13	.07	566	0	0
SC00607014B	73-07-12	1400	111FLDP	1.0	4.3	.13	.05	316	576	32
SC00607016A	72-10-11	1300	400PCMB	1.5	1.3	.04	.02	194	0	0
SC00607016B	72-10-11	1445	400PCMB	1.6	2.0	.01	.01	277	6	4
SC00607016B	72-10-11	1400	400PCMB	1.0	1.9	.13	.02	189	0	0
SC00607017D	73-07-06	1200	111FLDP	.8	.9	.17	.05	146	2	0
SC00607017D	73-07-06	1345	400PCMB	2.2	13	9.1	.07	184	0	0
SC00607017D	73-07-06	1045	111FLDP	.5	1.8	.05	.07	53	256	0
SC00607019A	73-05-24	1300	400PCMB	1.3	2.2	.04	.00	136	0	0
SC00607019A	73-05-24	1100	111VLFL	1.0	2.9	.71	.03	175	25	0

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEOLOGIC UNIT	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)
SC0060 7019C	73-05-31	1415	400PCMB	.9	8.6	.18	.02	94	1	0
SC0060 7020B	73-05-31	1015	400PCMB	1.2	2.3	.03	.03	67	0	0
SC0060 7020B	73-05-31	1100	400PCMB	1.2	1.6	.16	.01	144	0	0
SC0060 7020B	73-05-31	1230	400PCMB	2.3	5.8	1.4	.04	193	14	1
SC0060 7021B	73-07-06	1445	111VLFL	1.3	2.4	.76	.08	103	0	0
SC0060 7021B	73-07-11	0945	111VLFL	.7	1.2	.17	.08	103	2	0
SC0060 7022B	73-07-11	1030	400PCMB	.2	1.3	.01	.03	54	0	0
SC0060 70230	73-04-30	1515	111VLFL	1.1	12	5.1	.01	258	3	0
SC0060 70230	73-07-11	1500	111FLDP	3.6	6.2	1.3	.05	374	0	0
SC0060 7024A	73-04-30	1315	111VLFL	1.4	2.3	.68	.03	224	0	0
SC0060 7024B	73-04-30	1040	111VLFL	.9	1.2	.04	.03	129	0	0
SC0060 7024B	73-04-30	1430	111VLFL	1.8	2.6	.01	.06	162	0	0
SC0060 7024B ¹	73-05-02	0850	400PCMB	1.2	6.5	.38	.02	262	0	0
SC0060 7024B	73-07-12	1015	400PCMB	1.3	4.1	.36	.04	275	0	0
SC0060 7024B	73-04-30	1145	111VLFL	.7	1.2	.03	.08	103	0	0
SC0060 7024C ¹	73-05-02	1000	111FLDP	1.1	3.4	.49	.04	129	0	0
SC0060 7024C	73-09-20	1400	111FLDP	2.1	6.7	.10	.03	239	0	0
SC0060 7024C	72-09-28	1100	400PCMB	2.7	28	1.1	.11	278	2	0
SC0060 7025A	73-05-02	1330	400PCMB	.9	4.5	.20	.08	72	2	0
SC0060 7025B	73-05-02	1115	111VLFL	.0	13	1.9	.01	219	0	0
SC0060 7025B	73-05-02	1530	111VLFL	1.1	1.5	.06	.07	77	0	0
SC0060 7025B	73-08-15	1500	111FLDP	4.3	2.3	.13	.04	178	0	0
SC0060 7025C	73-05-02	1445	111VLFL	.9	6.3	.22	.08	238	17	2
SC0060 7025C	73-08-16	1100	111VLFL	5.2	11	2.8	.03	262	20	0
SC0060 7026C	73-08-15	1215	400PCMB	.4	1.6	.46	.04	161	0	0
SC0060 7026C	73-08-15	1300	111VLFL	.8	2.1	.98	.04	187	14	0
SC0060 7027B	73-07-11	1315	400PCMB	.4	1.2	.00	.04	105	0	0
SC0060 7027C	73-07-25	1445	400PCMB	1.1	9.1	3.1	.00	246	152	0
SC0060 7027D	73-05-03	1430	400PCMB	.6	2.1	.46	.04	67	1	0
SC0060 7027D	73-04-25	1145	400PCMB	.9	8.4	.29	.01	258	0	0
SC0060 7028C	73-05-03	1215	400PCMB	2.0	3.7	2.3	.03	263	0	0
SC0060 7028C	73-05-03	1115	400PCMB	1.4	2.2	.03	.05	130	0	0
SC0060 7028D	73-05-03	1330	400PCMB	.8	2.7	.18	.02	163	0	0
SC0060 7028D	73-04-25	1345	400PCMB	1.6	1.4	.02	.01	267	0	0
SC0060 7028D	73-07-27	1100	400PCMB	1.0	2.5	1.0	.00	184	20	0
SC0060 7029A	73-06-05	1310	400PCMB	.9	1.3	.11	.01	84	0	0
SC0060 7029A	73-07-25	1330	400PCMB	1.5	2.1	1.2	.04	190	0	0
SC0060 7029B	73-06-05	1220	400PCMB	.5	5.6	2.0	.02	149	8	0
SC0060 7029B	73-06-05	1040	111VLFL	.9	1.6	.41	.01	237	0	0
SC0060 7029C	73-07-23	1400	400PCMB	1.1	1.3	.13	.04	168	1	0

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEOLOGIC UNIT	DIS-SOLVED POTASSIUM (K) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)
SC0060 7030A	73-06-05	0950	400PCMB	2.3	24	4.2	.07	232	0	0
SC0060 7030B	73-07-24	1000	400PCMB	1.0	2.0	.26	.00	155	0	0
SC0060 7030B	73-07-24	1100	400PCMB	1.0	1.2	.02	.03	278	0	0
SC0060 7030C	73-04-10	1450	400PCMB	1.3	5.3	.45	.00	299	3	0
SC0060 7031A ¹	73-04-10	1400	400PCMB	1.6	2.7	3.5	.00	417	0	0
	73-09-25	1045	400PCMB	1.6	1.1	.14	.06	408	0	0
SC0060 7031A	73-04-10	1100	400PCMB	1.3	2.3	.04	.56	278	0	0
SC0060 7031D	73-04-10	1230	400PCMB	1.2	1.3	.06	.00	295	0	0
SC0060 7032A	73-07-25	1000	400PCMB	2.5	6.3	2.4	.02	272	0	0
SC0060 7032A	73-07-24	1430	111VLFL	.6	2.5	.71	.02	94	1440	1
SC0060 7032C	73-04-10	0945	111VLFL	2.3	15	2.3	.29	282	4	0
SC0060 7033A	73-07-27	1400	400PCMB	.8	1.0	.16	.03	205	0	0
SC0060 7033A	73-07-27	1300	400PCMB	1.8	.9	.04	.03	280	0	0
SC0060 7033A	73-07-23	1530	400PCMB	.9	2.0	.88	.08	107	0	0
SC0060 7033B	73-07-24	1330	111VLFL	1.2	1.2	.26	.07	78	24	0
SC0060 7033B	73-07-24	1230	400PCMB	2.4	25	7.8	.06	278	2	0
SC0060 7034A	73-08-15	1030	400PCMB	.9	2.3	.89	.04	192	22	0
SC0060 7034B	73-07-27	1200	400PCMB	.7	.7	.12	.04	222	0	0
SC0060 7034C	72-11-18	1130	400PCMB	.7	2.6	.40	.03	92	0	0
SC0060 7035B ¹	73-07-27	1530	400PCMB	1.9	9.3	.07	.03	348	0	0
	73-09-20	1530	400PCMB	2.2	8.0	.03	.03	354	0	0
SC0060 7101A	73-07-05	1045	400PCMB	.9	1.6	.06	.05	115	0	0
SC0060 7101B	73-07-03	1545	400PCMB	.6	3.8	.01	.04	185	0	0
SC0060 7101D	73-07-05	1145	400PCMB	1.2	5.4	.89	.06	92	0	0
SC0060 7102B	73-06-22	1245	400PCMB	6.1	2.2	.05	.09	359	0	0
SC0060 7103A	73-06-19	1245	400PCMB	1.1	1.7	.59	.02	159	0	0
SC0060 7103A ¹	73-06-19	1100	400PCMB	1.6	2.9	.43	.04	225	0	0
	73-09-18	1330	400PCMB	1.3	3.4	.57	.01	248	0	0
SC0060 7103B	73-06-15	1500	111VLFL	7.5	20	.28	.03	249	1	0
SC0060 7103B	73-06-19	1000	400PCMB	2.9	1.9	.06	.03	253	0	0
SC0060 7103C	73-06-20	1215	400PCMB	.9	2.1	1.3	.02	233	0	0
SC0060 7103C	73-06-20	1315	111VLFL	1.0	1.9	.00	.06	64	0	0
SC0060 7103C	73-06-20	1415	400PCMB	.4	1.9	.13	.05	109	0	0
SC0060 7103D	73-06-19	1345	400PCMB	1.9	2.0	.43	.03	275	0	0
SC0060 7103D	73-06-20	1045	400PCMB	.7	1.6	.38	.03	207	0	0
SC0060 7103D	73-06-19	1445	400PCMB	.6	1.5	.34	.03	159	0	0
SC0060 7104B	73-05-18	1015	400PCMB	.9	3.7	.34	.00	100	0	0
SC0060 7106A	73-05-11	1240	400PCMB	.6	1.3	.02	.00	119	0	0
SC0060 7106A	73-05-11	1030	400PCMB	.5	1.7	.04	.02	36	0	0
SC0060 7106C	73-06-27	1300	111VLFL	.6	1.6	.04	.03	31	0	0

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEOLOGIC UNIT	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (F.C. PER 100 ML)
SC0060 71060 ¹	73-05-10	1400	400PCMB	.5	.7	.28	.01	158	0	0
	73-09-25	1300	400PCMB	.5	.9	.11	.05	165	0	0
SC0060 7107A	73-05-10	1440	400PCMB	.6	1.7	.09	.03	69	0	0
SC0060 7107A	73-05-14	1210	400PCMB	.4	1.5	.03	.00	218	0	0
SC0060 7108A	73-05-14	1415	400PCMB	.7	.7	.13	.04	34	0	0
SC0060 7108B	73-05-14	1000	400PCMB	1.1	.7	.10	.00	98	0	0
SC0060 7108B	73-05-10	1040	400PCMB	.8	.7	.16	.00	174	0	0
SC0060 7108B	73-05-14	1050	400PCMB	1.2	3.3	.64	.02	71	2	17
SC0060 7108D	73-05-14	1315	111VLFL	1.0	6.5	1.1	.01	77	27	0
SC0060 7108D	73-05-14	1450	111FLDP	.8	3.3	.64	.02	55	0	0
SC0060 7109D	73-06-26	1400	400PCMB	.3	1.7	.11	.06	94	0	0
SC0060 7111A	73-07-02	1100	400PCMB	1.3	3.6	.32	.03	136	0	0
SC0060 7111A	73-07-02	0945	400PCMB	1.0	16	1.1	.05	134	0	0
SC0060 7111B	73-06-25	1300	111FLDP	1.4	9.4	.03	.04	142	0	0
SC0060 7111C	73-06-28	1230	400PCMB	.8	1.9	.40	.03	231	0	0
SC0060 7111C	73-06-27	1545	400PCMB	1.3	1.6	.55	.01	260	0	0
SC0060 7111D	73-08-15	1315	400PCMB	1.1	1.6	1.3	.03	226	0	0
SC0060 7111D	73-06-28	1445	400PCMB	.8	6.7	.50	.02	253	0	0
SC0060 7111D	73-06-28	1330	111VLFL	1.5	13	.63	.03	161	13	0
SC0060 7112A	73-07-05	0945	111VLFL	.9	1.9	.02	.06	143	2	0
SC0060 7112B	73-07-02	1230	400PCMB	.8	2.0	.49	.09	208	0	0
SC0060 7112B	73-07-02	1330	400PCMB	1.0	5.6	1.5	.06	257	0	0
SC0060 7112C	73-07-03	1415	400PCMB	.9	1.8	.06	.04	104	0	0
SC0060 7112C	73-07-02	1445	111VLFL	4.6	14	1.9	.04	276	216	0
SC0060 7112C	73-07-03	1330	400PCMB	.8	3.7	.14	.04	186	1	0
SC0060 7112C	73-07-03	1115	400PCMB	.9	.8	.11	.04	91	0	0
SC0060 7113B	73-07-03	1230	400PCMB	2.4	1.1	.03	.04	149	0	0
SC0060 7114A	73-06-08	1030	400PCMB	.6	4.3	1.0	.04	113	2	0
SC0060 7114A	73-06-08	0920	400PCMB	1.0	1.7	.22	.03	160	0	0
SC0060 7114A	73-06-07	0950	111VLFL	1.1	20	1.4	.01	191	0	0
SC0060 7114A	73-06-08	1250	400PCMB	1.1	2.9	.69	.02	97	0	0
SC0060 7114B	73-05-16	1330	111VLFL	6.8	6.3	.32	1.3	262	0	0
SC0060 7114B	73-05-16	0900	400PCMB	.9	4.4	1.6	.02	260	0	0
SC0060 7114C	73-06-07	1050	400PCMB	1.8	14	14	.05	404	0	0
SC0060 7114D	73-06-08	1345	400PCMB	1.0	7.8	1.1	.04	145	0	0
SC0060 7115A	73-06-26	1030	400PCMB	.8	15	.29	.04	185	1	0
SC0060 7115A	73-05-15	1445	400PCMB	1.2	29	.98	.04	205	0	0
SC0060 7115A ¹	73-05-15	1400	400PCMB	.7	2.8	.06	.03	49	0	0
	73-09-18	1430	400PCMB	.7	4.2	.06	.02	199	0	0
SC0060 7115A	73-05-16	1040	400PCMB	.8	9.3	4.3	.00	273	1	0
SC0060 7115B	73-06-26	1145	400PCMB	.5	2.6	.24	.04	336	0	0

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEOLOGIC UNIT	DIS-SOLVED PO-TAS-SIUM (MG/L)	DIS-SOLVED CHLO-RIDE (MG/L)	DIS-SOLVED NITRITE NITRATE (MG/L)	TOTAL PHOS-PHORUS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)
SC0060 7115C	73-05-15	1100	400PCMB	1.2	3.1	1.0	.04	111	1	0
SC0060 7115C	73-05-15	1010	111FLDP	1.7	32	7.6	.01	264	0	0
SC0060 7115C	73-05-16	1420	400PCMB	1.1	5.3	.10	.08	53	0	0
SC0060 7116A	73-06-26	1615	111FLDP	2.2	3.0	.05	.04	146	152	0
SC0060 7116B	73-06-26	1515	111FLDP	.9	.8	.00	.04	257	0	0
SC0060 71210	73-05-18	1320	400PCMB	1.1	1.5	.08	.03	80	0	0
SC0060 71223	73-05-18	1100	400PCMB	.8	1.0	.36	.01	151	0	0
SC0060 7123A	73-05-23	1000	400PCMB	1.1	18	2.2	.26	227	0	0
SC0060 7123A	73-05-22	1345	400PCMB	.5	20	1.6	.01	177	0	0
SC0060 7123A	73-05-22	1500	400PCMB	1.7	24	.58	.04	212	280	0
SC0060 7123A	73-05-23	1045	400PCMB	1.0	13	3.8	.04	472	0	0
SC0060 7123B	73-05-22	0900	400PCMB	.6	2.1	.23	.00	345	0	0
SC0060 7123B	73-05-18	1445	400PCMB	.8	1.4	.24	.02	61	0	0
SC0060 7123B	73-05-22	1235	400PCMB	1.7	1.9	.29	.00	512	0	0
SC0060 71230	73-06-25	1430	400PCMB	1.1	16	.59	.03	296	0	0
SC0060 7123D	73-05-23	1215	111VLFL	1.0	1.5	.16	.04	178	1	0
SC0060 7124A	73-05-23	1500	400PCMB	.8	2.2	.10	.02	68	1	0
SC0060 7124A	73-05-23	1420	400PCMB	1.2	1.7	.04	.00	287	0	0
SC0060 7124B	73-05-23	1320	400PCMB	.8	3.6	.34	.00	198	0	0
SC0060 71240	73-05-24	0910	111VLFL	.7	3.8	.74	.03	103	3	0
SC0060 7125A	73-05-21	1345	400PCMB	1.8	2.1	.30	.00	314	0	0
SC0060 7125A	73-05-21	1245	400PCMB	1.1	2.7	.21	.03	196	0	0
SC0060 7125A	73-05-21	1430	400PCMB	1.8	9.0	1.4	.01	247	0	0
SC0060 7125A	73-05-21	1045	400PCMB	1.5	2.2	.20	.00	303	0	0
SC0060 7127A	73-04-20	1600	400PCMB	1.1	26	2.2	.02	202	2	0
SC0060 7127B	73-04-16	1345	400PCMB	.6	2.1	.02	.04	45	17	0
SC0060 7127B	73-04-20	1500	400PCMB	1.2	53	.91	.02	251	1	0
SC0060 7127B	73-04-20	1400	400PCMB	1.5	13	7.4	.00	353	0	0
SC0060 7127C	73-04-21	1515	111VLFL	1.3	6.6	2.5	.01	266	0	0
SC0060 7127C	73-04-17	1500	400PCMB	1.5	2.7	.21	.01	209	0	0
SC0060 7127C	73-04-20	1300	400PCMB	2.5	2.2	.23	.00	189	0	0
SC0060 7127D	73-04-21	1415	400PCMB	3.1	6.2	2.7	.01	313	0	0
SC0060 7128A	73-04-16	1550	400PCMB	.4	5.0	1.8	.01	127	1	0
SC0060 7128B	73-04-13	1200	400PCMB	.4	1.0	.28	.05	126	5	0
SC0060 7128B	73-04-13	1200	400PCMB	1.3	3.3	.15	.08	144	5	0
SC0060 7128B	73-04-13	1330	400PCMB	1.9	3.8	.22	.11	84	--	--
SC0060 7128C	73-04-12	1500	400PCMB	.9	52	17	.02	499	0	0
SC0060 7128C	73-04-12	1600	400PCMB	.7	9.5	.42	.01	106	0	0
SC0060 7128C	73-04-13	1200	400PCMB	.4	7.0	1.7	.02	196	--	--
SC0060 7128C	73-04-16	1000	400PCMB	1.7	58	.11	.07	273	1	0

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEOLOGIC UNIT	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	SPECIFIC CON-DUCTANCE (MICRO-MHOS)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)
SC00607128C	73-04-16	1000	400PCMB	.3	4.9	.00	.04	251	0	0
SC00607128D	73-04-16	1200	400PCMB	1.7	9.1	1.3	.01	330	0	0
SC00607128D	73-04-16	1500	400PCMB	.7	1.9	1.2	.02	122	2	0
SC00607128D	73-04-17	0900	400PCMB	1.6	16	3.8	.03	310	100	0
SC00607128D	73-04-17	1400	400PCMB	3.5	51	54	.01	890	1	0
SC00607131A	73-04-05	1115	111VLFL	1.7	3.7	2.1	.04	220	1	0
SC00607131B	73-04-05	1330	400PCMB	2.0	1.4	.85	.01	137	0	0
SC00607131C	73-04-05	1430	400PCMB	1.0	7.4	5.0	.00	301	0	0
SC00607131C	73-04-21	1000	400PCMB	.4	2.3	.47	.32	254	0	0
SC00607131D	73-04-05	1530	400PCMB	2.1	5.9	3.3	.00	313	1	0
SC00607132A	73-04-12	1330	400PCMB	1.1	1.5	.68	.07	124	0	0
SC00607132A	73-04-12	0930	400PCMB	.4	3.8	1.1	.02	178	0	0
SC00607132A	73-04-10	1310	111VLFL	3.2	65	2.2	.11	354	0	0
SC00607132B	73-04-12	1150	400PCMB	.5	1.4	.12	.00	164	0	0
SC00607132B ¹	73-04-12	1100	400PCMB	.4	3.4	.36	.00	206	0	0
	73-09-25	1515	400PCMB	.5	.9	.37	.04	246	0	0
SC00607132C	73-04-10	1150	400PCMB	1.2	3.3	.36	.00	351	0	0
SC00607132C	73-04-10	1045	111VLFL	1.6	24	1.0	.02	323	0	0
SC00607134A	73-04-20	1145	400PCMB	2.1	8.7	4.3	.01	229	1	0
SC00607134C	73-04-17	1015	400PCMB	3.1	1.7	.21	.02	332	0	0
SC00607134C	73-04-17	1115	400PCMB	1.8	4.0	.98	.01	347	0	0
SC00607135D	73-04-18	1115	400PCMB	1.2	1.2	.46	.01	150	0	0
SC00607136C	73-04-18	1315	400PCMB	1.2	1.4	.51	.00	324	0	0
SC00607201A	73-06-27	1130	400PCMB	.7	1.7	.02	.04	43	0	0
SC00607225A	73-04-21	1300	400PCMB	1.4	2.1	.26	.00	173	0	0
SC00607225D	73-04-21	1115	111VLFL	.8	1.6	2.2	.04	134	2	0
SC00706907D ¹	72-09-28	1305	400PCMB	2.1	7.0	3.4	.00	224	24	2
	73-09-26	1145	400PCMB	2.4	3.3	2.1	.05	204	16	0
SC00707002B	72-11-18	0910	400PCMB	1.6	2.9	.26	.04	174	0	0
SC00707002D	72-10-11	1545	400PCMB	1.3	4.2	.00	.07	89	0	0
SC00707009A	72-11-13	1515	400PCMB	2.0	2.1	.11	.00	241	1	0
SC00707011A ¹	72-09-28	1530	400PCMB	1.0	1.2	.00	.05	98	0	0
	73-10-29	1045	400PCMB	.9	.7	.03	.16	72	7	0
SC00707012B	72-11-18	1015	400PCMB	1.8	19	5.0	.03	228	148	0
SC00707017B	72-10-11	0915	400PCMB	3.1	3.3	.21	.02	260	0	0
SC00707018A	72-10-10	1230	111VLFL	3.0	3.3	.26	.02	247	73	0
SC00707018A ¹	72-10-10	1100	400PCMB	3.9	2.4	.89	.02	179	0	0
	73-11-12	1215	400PCMB	4.3	3.0	.61	.01	226	0	0
SC00707018C	72-10-10	1400	111VLFL	3.7	1.9	.49	.02	177	2	0
SC00707021A ¹	72-09-29	1200	111FLDP	4.5	37	.35	.05	358	0	0

HYDROGEOLOGIC DATA, JEFFERSON COUNTY, COLORADO

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEOLOGIC UNIT	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)
SC00 70 7021C	72-09-29	0940	111FLDP	7.3	32	1.5	.02	531	21	1
SC00 70 7023C	72-11-14	1330	111VLFL	1.4	2.6	.11	.08	109	16	0
SC00 70 7025D	72-11-13	1345	111VLFL	1.9	3.0	.20	.01	229	6	0
SC00 70 7026B	72-11-13	1220	111VLFL	1.3	2.2	.11	.01	98	6	0
SC00 70 7026B	72-11-13	1125	400PCMB	2.7	26	.82	.03	608	0	0
SC00 70 7031A	72-11-07	1030	111FLDP	1.4	4.1	.36	.03	185	0	0
SC00 70 7101A	73-04-20	1020	400PCMB	1.9	2.6	1.2	.01	295	0	0
SC00 70 7101D	73-04-18	1415	400PCMB	1.7	3.6	.51	.01	335	0	0
SC00 70 7101D	73-04-18	1540	400PCMB	2.0	1.5	.63	.00	276	0	0
SC00 70 7103B	73-04-17	1315	400PCMB	1.6	3.4	1.1	.01	265	0	0
SC00 70 7103B ¹	72-10-13	1100	400PCMB	1.8	1.8	.82	.02	392	0	0
	73-11-15	1015	400PCMB	1.5	3.2	.80	.02	370	0	0
SC00 70 7103B	72-10-13	0900	400PCMB	1.9	3.8	.59	.02	303	0	0
SC00 70 7103C	72-10-12	1340	400PCMB	2.4	4.5	1.1	.08	350	0	0
SC00 70 7103C	72-10-12	1500	400PCMB	1.8	2.1	.07	.02	304	0	0
SC00 70 7103C	72-10-12	1000	400PCMB	1.8	2.7	.72	.01	324	0	0
SC00 70 7103D	72-10-12	1200	400PCMB	1.5	2.2	.53	.01	322	0	0
SC00 70 7104B	72-10-25	1350	400PCMB	1.4	3.4	.01	.02	342	0	0
SC00 70 7104B	72-10-25	1100	111VLFL	2.9	2.7	.62	.02	347	0	0
SC00 70 7104C	73-08-17	1045	111FLDP	2.2	5.3	.07	.02	294	0	0
SC00 70 7104D	72-10-25	1530	111VLFL	1.7	2.7	.48	.02	278	0	0
SC00 70 7104D	72-10-13	1600	400PCMB	2.6	1.3	.60	.02	308	0	0
SC00 70 7105A	72-10-13	1250	111VLFL	3.4	7.4	7.1	.01	436	0	0
SC00 70 7105A	72-10-13	1415	400PCMB	3.1	3.4	.29	.02	387	0	0
SC00 70 7105D	73-08-17	0945	400PCMB	1.7	11	3.7	.04	388	0	0
SC00 70 7105D	72-10-25	0930	111FLDP	2.5	9.9	2.6	.03	283	0	0
SC00 70 7106A	72-11-08	1600	400PCMB	.5	2.6	.16	.02	211	0	0
SC00 70 7106A	73-04-10	0945	400PCMB	1.5	42	.77	.00	589	0	0
SC00 70 7106B	72-11-10	1515	400PCMB	1.0	3.3	.84	.00	251	0	0
SC00 70 7106C	72-11-08	1445	400PCMB	1.3	3.6	.24	.01	178	0	0
SC00 70 7106D	72-11-09	0930	400PCMB	1.1	39	2.1	.04	345	1	0
SC00 70 7107A	72-11-14	0950	400PCMB	1.7	2.5	.54	.00	304	0	0
SC00 70 7109B	73-08-17	1445	111FLDP	2.9	2.7	.02	.00	280	0	0
SC00 70 7109C	72-10-31	0915	400PCMB	2.5	5.3	1.8	.00	226	2	0
SC00 70 7109C	73-08-17	1145	111FLDP	2.1	4.2	.71	.00	189	0	0
SC00 70 7112C	72-10-10	1515	111FLDP	2.1	3.0	.03	.00	271	2	0
SC00 70 7115B	72-10-26	1020	111VLFL	2.3	3.8	.04	.03	323	1	0
SC00 70 7115B	72-10-31	1045	400PCMB	2.6	5.9	.04	.04	287	0	0
SC00 70 7115C	72-10-26	1210	400PCMB	5.0	2.2	.00	.01	196	0	0
SC00 70 7115D	72-10-27	1015	111FLDP	2.6	1.2	.09	.02	124	0	0

Table 9.--Selected bacteriological and chemical analyses of well waters--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEOLOGIC UNIT	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)
SC00 70 71150 ¹	72-10-27	0940	400PCMB	6.0	5.9	1.5	.01	281	0	0
	73-11-15	1145	400PCMB	6.5	15	.47	.01	298	0	0
SC00 70 7116A	73-08-17	1345	111FLOP	2.5	2.0	.11	.02	118	40	0
SC00 70 7116A	72-10-31	1025	400PCMB	1.8	3.1	.65	.00	133	5	0
SC00 70 7116B	73-08-17	1300	111FLDP	6.0	5.1	.01	.01	558	0	0
SC00 70 7118C	72-11-07	1430	400PCMB	3.5	55	33	.02	848	0	0
SC00 70 7121C	73-08-13	1130	111VLFL	2.8	2.2	.38	.03	205	--	--
SC00 70 7122A	72-10-26	1330	400PCMB	1.5	22	.03	.01	400	0	0
SC00 70 7122D	72-10-27	1230	111FLDP	8.0	21	4.7	--	288	0	0
SC00 70 7122D	72-10-26	1520	400PCMB	7.6	30	5.7	.04	364	0	0
SC00 70 7122D	72-10-31	1215	400PCMB	3.0	3.7	.11	.02	119	6	0
SC00 70 7123A	72-10-26	1700	400PCMB	5.2	1.9	.00	.02	139	0	0
SC00 70 7123B	72-10-27	1450	111VLFL	4.6	11	1.9	--	258	0	0
SC00 70 7126C	72-11-06	1220	400PCMB	2.5	3.7	.01	.05	137	22	0
SC00 70 7126C	72-11-06	1500	400PCMB	3.8	3.8	.87	.01	167	0	0
SC00 70 7126C	72-11-03	1210	400PCMB	3.2	8.1	.39	.00	201	0	0
SC00 70 7127A	72-11-03	1100	400PCMB	1.0	6.0	1.3	.00	238	0	0
SC00 70 7127A	72-11-03	0915	111FLDP	1.7	3.3	.04	.00	184	0	0
SC00 70 7127C	72-11-06	1600	111FLDP	2.2	140	.16	.02	2370	2	0
SC00 70 7127D	72-11-03	1330	400PCMB	1.7	90	.00	.01	1550	0	0
SC00 70 7127D ¹	72-11-06	1350	111FLDP	2.1	42	9.3	.01	999	0	0
	73-09-26	1445	111FLDP	1.7	26	11	.06	659	0	0
SC00 70 7127D	72-11-03	1450	111FLDP	2.2	39	17	.01	832	0	0
SC00 70 7129A	73-08-07	1030	400PCMB	1.2	2.7	.13	.01	246	0	0
SC00 70 7135A	72-10-31	1415	111VLFL	1.7	5.1	.02	.02	305	0	0
SC00 70 7201A	72-11-14	1050	400PCMB	1.1	1.5	.41	.00	110	0	0
SC00 70 7201D	72-11-10	1240	400PCMB	1.1	3.3	1.4	.00	125	320	0
SC00 70 7201D	72-11-10	0920	400PCMB	4.2	14	7.8	.09	445	0	0
SC00 70 7212A	72-11-10	1050	400PCMB	3.5	20	4.4	.03	361	0	0
SC00 70 7213A	72-11-09	1145	400PCMB	2.3	66	3.1	--	635	234	2
SC00 70 7213D ¹	72-11-07	1545	400PCMB	3.3	7.6	3.1	.01	327	0	0
	73-11-13	1415	400PCMB	3.0	7.3	2.9	.01	337	0	0
SC00 70 7213D	72-11-09	1550	400PCMB	4.3	230	13	.02	1010	0	0
SC00 70 7213D	72-11-09	1430	400PCMB	2.8	8.9	1.5	.01	315	0	0
SC00 70 7224A	72-11-09	1300	400PCMB	6.0	25	8.1	.03	607	0	0

¹ DUPLICATE ANALYSES ON DIFFERENT DATES--IN MOST CASES THE LATER ANALYSIS IS TAKEN FROM A COMPLETE ANALYSIS.

Table 10.--Selected bacteriological and chemical analyses of spring waters

GEOLOGIC UNIT: 400PCMB--PRECAMBRIAN BEDROCK
 111VLFL--QUATERNARY VALLEY-FILL DEPOSITS
 111FLDP--QUATERNARY FLOOD-PLAIN DEPOSITS

LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEOLOGIC UNIT	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)
SC00407032A	72-10-26	1015	111FLDP	2.6	9.1	3.4	.03	268	51	0
SC00407116B	73-04-10	1350	111FLDP	2.7	42	5.1	.00	472	0	0
SC00407122B	73-04-11	1535	111FLDP	2.5	21	19	.01	492	0	0
SC00407136B	72-10-31	1450	400PCMB	3.7	18	1.1	.03	549	0	0
SC00407212A	73-06-19	1100	111FLDP	1.2	3.8	.51	.02	295	0	0
SC00507108A	73-06-22	1100	111VLFL	4.5	2.8	.01	.06	98	6	0
SC00507111A	73-06-21	1200	400PCMB	6.6	1.5	.00	.07	94	0	0
SC00507111C	73-06-11	1315	111VLFL	1.3	3.1	.10	.06	109	27	0
SC00507111D	73-06-12	1000	111VLFL	1.1	2.0	.02	.05	74	0	0
SC00607013B	73-05-05	1430	400PCMB	1.4	2.2	.02	.06	176	0	0
SC00607019A	73-05-31	1330	400PCMB	2.1	3.5	.62	.04	88	48	13
SC00607029C	73-07-25	1130	111VLFL	.3	3.7	.01	.07	78	320	3
SC00607107A	73-05-11	0920	400PCMB	.7	1.7	.04	.01	32	4	0
SC00607110A	73-05-15	1530	400PCMB	.7	1.4	.15	.04	47	0	0
SC00607114C	73-06-07	1245	400PCMB	.9	8.5	2.2	.00	403	0	0
SC00607114D	73-06-08	1115	400PCMB	3.5	29	7.0	.16	372	0	0
SC00607116A	73-06-26	1700	400PCMB	1.2	1.6	.04	.09	57	20	0
SC00607122B	73-05-21	1545	400PCMB	.9	2.2	.18	.03	73	0	0
SC00607131B	73-04-21	0900	400PCMB	2.7	3.3	.25	.00	175	0	0
SC00607132A	73-04-10	1530	400PCMB	1.1	32	1.4	.00	219	6	0
SC00607132A	73-04-10	1400	400PCMB	1.7	120	12	.04	656	3	1
SC00607134A	73-04-18	0900	400PCMB	1.2	4.7	1.3	.05	169	14	0
SC00607135A	73-04-18	1000	111VLFL	1.1	15	3.3	.05	175	0	0
SC00707003B	72-11-18	1215	400PCMB	.9	1.9	.39	.04	61	2	0
SC00707009C	72-10-11	1240	400PCMB	3.8	1.1	.01	.00	168	0	0
SC00707016C ¹	72-09-29	1530	111VLFL	5.7	2.7	.01	.01	200	0	0
	73-11-13	1045	111VLFL	3.7	1.3	.03	.01	140	3	0
SC00707018B	72-10-11	1045	400PCMB	3.7	2.0	.78	.01	184	0	0
SC00707021A	72-09-29	1315	400PCMB	5.7	.8	.01	.02	182	0	0
SC00707106C	72-11-08	1340	400PCMB	1.7	6.2	1.0	.01	158	25	0
SC00707126C	72-11-06	1040	400PCMB	3.9	4.6	.00	.04	142	1	0
SC00707212A	72-11-10	1400	400PCMB	1.7	12	3.5	.01	293	0	0

¹ SAMPLED TWICE, ONCE FOR A COMPREHENSIVE ANALYSIS.

Table 11.--Geologic logs and hydrologic test data of U.S. Geological Survey test wells

GEOLOGIC DATA			HYDROLOGIC TEST DATA						
Geologic log	Thick- ness (feet)	Depth below land surface (feet)	Date	Static water level (feet)	Average pumping rate (gpm)	Drawdown (feet)	Recovery (feet)	Recovery (gallons)	Elapsed time of pumping or recovery (minutes)
Well number (101) SC004070078DCA--Altitude 7,285 feet									
Gneiss, granitic, decomposed-----	25	0-25	12- 6-73	35.4	2.2	94.0	6.9	10.4	60
Gneiss, granitic, slightly decomposed----	20	25-45							
Gneiss, granitic (abundant coarse quartz 60-65)-----	40	45-85							
Granite (abundant coarse quartz 85-100)---	35	85-120							
Gneiss, granitic (trace biotite schist 130-135)-----	25	120-145							
Gneiss, biotite-----	10	145-155							
Granite-----	25	155-180							
Gneiss, granitic-----	40	180-220							
Schist, biotite-----	10	220-230							
Well number (102) SC00407032AABC--Altitude 6,560 feet									
Soil, with decomposed granite gneiss fragments-----	5	0-5	12- 7-73	12.8	1.3	13.9	-----	-----	100
Clay, with decomposed granite gneiss fragments-----	5	5-10		-----	-----	-----	8.8	13.2	30
Gneiss, granitic, decomposed-----	5	10-15							
Gneiss, granitic, slightly decomposed----	25	15-40							
Gneiss, granitic (quartz vein 65-70)-----	50	40-90							
Pegmatite-----	5	90-95							
Gneiss, granitic-----	5	95-100							
Well number (103) SC00407112CBBA--Altitude 7,810 feet									
Gneiss, granitic, decomposed-----	5	0-5	12- 6-73	28.2	6.4	5.3	-----	-----	100
Granite, slightly decomposed-----	5	5-10		-----	-----	-----	3.7	5.6	2
Gneiss, granitic, slightly decomposed----	25	10-35							
Gneiss, biotite (some pegmatite 55-60)---	75	35-110							
Well number (104) SC00407116D8BB--Altitude 7,570 feet									
Gneiss, granitic, decomposed-----	45	0-45	12- 5-73	27.1	4.2	72.4	-----	-----	40
Granite-----	15	45-60		-----	-----	-----	21.7	32.6	30
Schist, biotite, decomposed-----	20	60-80							
Schist, biotite-----	25	80-105							
Gneiss, biotite-----	10	105-115							
Schist, biotite-----	15	115-130							
Pegmatite-----	20	130-150							
Gneiss, biotite-----	10	150-160							
Well number (105) SC00507006CDDC--Altitude 7,310 feet									
Soil, with granite and schist fragments---	10	0-10	12-11-73	16.4	4.0	73.6	-----	-----	30
Gneiss, granitic, decomposed-----	5	10-15		-----	-----	-----	8.0	12.0	60
Gneiss, granitic, slightly decomposed----	20	15-35							
Gneiss, granitic-----	10	35-45							
Pegmatite-----	10	45-55							
Gneiss, granitic-----	50	55-105							
Pegmatite-----	5	105-110							
Gneiss, granitic-----	35	110-145							
Gneiss, biotite-----	15	145-160							
Gneiss, granitic-----	20	160-180							
Well number (106) SC00607007AAAA--Altitude 8,050 feet									
Granite, decomposed-----	5	0-5	12-12-73	12.2	7.2	7.6	-----	-----	100
Granite, slightly decomposed-----	10	5-15		-----	-----	-----	5.2	7.8	2
Granite-----	35	15-50							
Gneiss, granitic-----	5	50-55							
Schist, biotite-----	15	55-70							

Table 11.--Geologic logs and hydrologic test data of U.S. Geological Survey test wells--Continued

G E O L O G I C D A T A			H Y D R O G E O L O G I C T E S T D A T A						
Geologic log	Thick- ness (feet)	Depth below land surface (feet)	Date	Static water level (feet)	Average pumping rate (gpm)	Drawdown (feet)	Recovery (feet)	Recovery (gallons)	Elapsed time of pumping or recovery (minutes)
Well number (107) SC00607013CCCD--Altitude 6,760 feet									
Clay, with decomposed gneiss-----	5	0-5	12-10-73	15.9	5.3	69.1	-----	-----	25
Schist, biotite, decomposed-----	5	5-10		-----	-----	-----	17.0	25.5	60
Schist, biotite, slightly decomposed-----	10	10-20							
Gneiss, biotite-----	15	20-35							
Schist, biotite-----	5	35-40							
Gneiss, granitic-----	5	40-45							
Gneiss, biotite-----	20	45-65							
Pegmatite-----	5	65-70							
Gneiss, biotite-----	5	70-75							
Pegmatite-----	5	75-80							
Gneiss, granitic (some pegmatite 100-105)-	30	80-110							
Schist, biotite-----	5	110-115							
Gneiss, granitic-----	45	115-160							
Well number (108) SC0060710288DC--Altitude 7,900 feet									
Soil, dark brown, and granitic gneiss, decomposed-----	5	0-5	12-11-73	26.1	5.1	52.3	-----	-----	20
Gneiss, granitic, slightly decomposed-----	10	5-15		-----	-----	-----	15.0	22.5	60
Gneiss, biotite, decomposed-----	10	15-25							
Schist, biotite and pegmatite-----	10	25-35							
Gneiss, granitic-----	20	35-55							
Pegmatite-----	20	55-75							
Gneiss, biotite (pegmatite streak 90-95)--	30	75-105							
Gneiss, granitic-----	10	105-115							
Gneiss, biotite-----	25	115-140							
Well number (109) SC006071110ACA--Altitude 8,360 feet									
Granite, slightly decomposed-----	30	0-30	12-13-73	39.9	3.7	44.7	-----	-----	100
Schist, biotite, decomposed-----	10	30-40		-----	-----	-----	22.8	34.2	10
Granite-----	15	40-55							
Schist, biotite-----	5	55-60							
Gneiss, granitic-----	5	60-65							
Granite-----	5	65-70							
Gneiss, granitic-----	5	70-75							
Gneiss, biotite-----	10	75-85							
Granite-----	5	85-90							
Schist, biotite-----	10	90-100							
Pegmatite-----	5	100-105							
Gneiss, granitic (pegmatite at total depth)-----	15	105-120							
Well number (110) SC00607125DAAA--Altitude 7,950 feet									
Soil, dark brown, with decomposed granite fragments-----	5	0-5	12-12-73	20.2	5.4	63.9	-----	-----	20
Clay, with decomposed granite fragments---	5	5-10		-----	-----	-----	4.7	7.0	60
Poor samples, bit booted up in clay-----	30	10-40							
Gneiss, granitic-biotite, with pegmatic streaks-----	10	40-50							
Gneiss, biotite-----	5	50-55							
Granite-----	5	55-60							
Pegmatite-----	5	60-65							
Gneiss, biotite-----	20	65-85							
Granite-----	5	85-90							
Gneiss, biotite (altered 100-115)-----	25	90-115							
Gneiss, granitic-----	25	115-140							
Granite-----	5	140-145							
Gneiss, granitic-----	5	145-150							
Gneiss, biotite-----	20	150-170							
Gneiss, granitic-----	10	170-180							
Granite-----	25	180-205							
Gneiss, granitic-----	5	205-210							
Granite-----	10	210-220							
Well number (111) SC007071210DAC--Altitude 7,250 feet									
Granite-----	105	0-105	12-13-73	1.4	4.5	20.1	-----	-----	5
Granite, with kaolinized areas-----	20	105-125		-----	-----	-----	9.0	13.5	20
Hematite-----	10	125-135							
Sandstone, cream, fine-grained with gray quartzite-----	30	135-165							
Quartzite, gray, very fine-grained-----	15	165-180							
Quartzite, red-gray, very fine-grained----	5	180-185							
Sandstone, red-yellow, very fine-grained---	20	185-205							
Quartzite, red-gray, very fine-grained----	5	205-210							
Sandstone, red-white mottled, very fine- grained, gray quartzite and quartzite pebble-----	10	210-220							

Table 12.--Bacteriological and chemical analyses of water from test wells

GEOLOGIC UNIT: 400PCMB--PRECAMBRIAN ROCK					DEPTH OF WELL: FEET BELOW LAND SURFACE						
MAP NO.	LOCAL IDENTIFIER	DATE OF SAMPLE	TIME	GEOLOGIC UNIT	TOTAL DEPTH OF WELL (FEET)	WELL YIELD (GALLONS PER MINUTE)	DISSOLVED SILICA (SI02) (MG/L)	DISSOLVED ALUMINUM (AL) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)
(101)	SC0040700780CA	73-12-06	1015	400PCMB	230	.2	15	0	10	0	62
(102)	SC00407032AABC	73-12-07	1130	400PCMB	100	.5	18	0	70	90	78
(103)	SC00407112C8BA	73-12-06	1400	400PCMB	110	6.4	22	0	10	20	14
(104)	SC00407116D8BB	73-12-05	1300	400PCMB	160	1.0	22	0	30	80	87
(105)	SC00507006CDDC	73-12-11	1200	400PCMB	180	.2	15	20	1400	1900	36
(106)	SC00607007AAAA	73-12-12	1015	400PCMB	70	6.8	24	30	120	50	17
(107)	SC00607013CCCD	73-12-10	1330	400PCMB	160	.4	16	10	140	110	49
(108)	SC00607102B8DC	73-12-11	1500	400PCMB	140	.4	33	20	30	33	15
(109)	SC00607111DACA	73-12-13	1100	400PCMB	120	3.4	16	10	10	17	39
(110)	SC00607125DAAA	73-12-12	1400	400PCMB	220	.1	11	10	70	33	36
(111)	SC00707121DDAC	73-12-13	1600	400PCMB	220	.7	12	20	90	100	48

MAP NO.	LOCAL IDENTIFIER	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	IMMEDIATE COLIFORM (COL. PER 100 ML)
(101)	SC0040700780CA	5.1	.04	.02	254	200	44	432	7.7	8.5	0
(102)	SC00407032AABC	18	.02	.03	485	320	87	785	7.7	11.0	5
(103)	SC00407112C8BA	3.6	.03	.03	105	47	25	153	6.4	7.5	0
(104)	SC00407116D8BB	12	.02	.04	363	280	100	589	7.3	6.5	0
(105)	SC00507006CDDC	.03	.03	.02	206	160	0	353	7.5	9.5	0
(106)	SC00607007AAAA	2.0	.04	.03	107	57	11	157	6.5	8.5	5
(107)	SC00607013CCCD	1.2	.02	.02	213	160	9	359	7.4	8.0	0
(108)	SC00607102B8DC	2.1	.04	.04	119	48	17	160	6.1	7.0	0
(109)	SC00607111DACA	3.9	.03	.03	194	160	25	339	7.3	6.5	0
(110)	SC00607125DAAA	.03	.05	.02	200	150	0	339	7.8	5.5	0
(111)	SC00707121DDAC	.15	.02	.02	252	130	25	411	7.8	10.0	0

MAP NO.	LOCAL IDENTIFIER	DISSOLVED MAGNESIUM (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)
(101)	SC0040700780CA	12	7.6	4.4	195	0	160	20	14	.1
(102)	SC00407032AABC	31	40	3.7	287	0	235	51	41	.4
(103)	SC00407112C8BA	3.0	7.0	2.7	27	0	22	15	12	.1
(104)	SC00407116D8BB	14	11	3.1	209	0	171	33	36	.3
(105)	SC00507006CDDC	18	10	2.0	213	0	175	12	2.1	2.0
(106)	SC00607007AAAA	3.6	6.6	1.4	56	0	46	10	7.7	.1
(107)	SC00607013CCCD	9.5	8.6	5.4	186	0	153	19	7.7	.2
(108)	SC00607102B8DC	2.5	11	1.6	38	0	31	14	14	.1
(109)	SC00607111DACA	14	6.4	1.6	159	0	130	9.5	11	.3
(110)	SC00607125DAAA	14	15	2.1	186	0	153	27	1.5	1.5
(111)	SC00707121DDAC	2.5	33	.8	128	0	105	86	2.4	3.7

MAP NO.	LOCAL IDENTIFIER	FECAL COLIFORM (COL. PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SELENIUM (SE) (UG/L)	DISSOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUSPENDED GROSS ALPHA AS U-NAT. (UG/L)	DISSOLVED GROSS BETA AS SR90/Y90 (PC/L)	DISSOLVED GROSS BETA AS CS-137 (PC/L)	SUSPENDED GROSS BETA AS SR90/Y90 (PC/L)	SUSPENDED GROSS BETA AS CS-137 (PC/L)
(101)	SC0040700780CA	0	.03	2	12	2.8	6.0	7.3	1.9	2.4
(102)	SC00407032AABC	0	.41	2	39	8.4	7.8	9.6	8.8	10
(103)	SC00407112C8BA	0	.06	2	1.7	<.4	2.5	3.2	<.4	.4
(104)	SC00407116D8BB	0	.02	2	12	6.1	3.9	4.6	4.1	5.2
(105)	SC00507006CDDC	0	.00	4	44	9.5	5.4	6.7	6.0	7.1
(106)	SC00607007AAAA	0	.00	4	6.8	1.7	.4	3.0	1.9	2.0
(107)	SC00607013CCCD	0	.02	4	67	120	15	19	42	54
(108)	SC00607102B8DC	0	.00	3	<1.3	12	1.2	1.5	5.7	8.5
(109)	SC00607111DACA	0	.00	2	17	1.5	3.2	4.0	3.0	3.5
(110)	SC00607125DAAA	0	.00	2	15	24	3.6	4.5	11	14
(111)	SC00707121DDAC	0	.00	2	6.3	36	1.5	1.3	.5	19

COLORADO WATER RESOURCES BASIC-DATA RELEASES

1. Prowers County. 1960.
2. Yuma County. 1960.
3. Fountain, Jimmy Camp, and Black Squirrel Valleys, El Paso County. 1961.
4. Huerfano County. 1961.
5. Boulder area, Boulder County. 1961.
6. Washington County. 1961.
7. Radiochemical analyses of ground and surface water in Colorado. 1961.
8. Lower Cache la Poudre River basin, Larimer and Weld Counties. 1961.
9. South Platte River basin, western Adams and south-western Weld Counties. 1962.
10. Kit Carson County. 1962.
11. Otero and southern part of Crowley Counties. 1962.
12. Big Sandy Creek valley, Lincoln, Cheyenne, and Kiowa Counties. 1962.
13. Eastern Cheyenne and Kiowa Counties. 1962.
14. Bent County. 1963.
15. Hydrogeologic data of the Denver Basin. 1964.
16. Hydrogeologic data from parts of Larimer, Logan, Morgan, Sedgwick, and Weld Counties. 1964.
17. Records of wells in Colorado. 1964. (Out of print.)
18. Hydrogeologic data of the alluvial deposits in Pueblo and Fremont Counties. 1964.
19. Hydrogeologic data for Baca and southern Prowers Counties. 1968.
20. Water-level records for the northern High Plains of Colorado. 1969.
21. Hydrogeologic data for the lower Arkansas Valley, Colorado. 1970.
22. Hydrologic data for the San Luis Valley. 1972.
23. Hydrogeologic data for the northern High Plains of Colorado. 1972.
24. Water-level records for the northern High Plains of Colorado, 1968-72. 1972.
25. Ground-water levels in the lower Arkansas River valley of Colorado, 1968-72. 1972.
26. Ground-water levels in the South Platte River valley of Colorado, 1968-72. 1972.
27. Rainfall-runoff data from small watersheds in Colorado, June 1968 through September 1971. 1972.
28. Water-level records, 1969-73, and hydrogeologic data for the northern High Plains of Colorado. 1973.
29. Ground-water levels in the lower Arkansas River valley of Colorado, 1969-73. 1973.
30. Ground-water levels in the South Platte River valley of Colorado, spring 1973. 1973.
31. Hydrologic data from the Piceance basin, Colorado. 1974.
32. Water-level records, 1969-73, and hydrogeologic data for Baca and southern Prowers Counties, Colorado. 1973.
33. Water-level records for the northern High Plains of Colorado, 1970-74. 1974.
34. Selected water-level records for Colorado, 1970-74. 1974.
35. Hydrologic and geophysical data from the Piceance basin, Colorado. 1974.
36. Hydrogeologic and water-quality data in western Jefferson County, Colorado. 1975.