

RECORDS OF WATER LEVELS IN MONITORING WELLS IN THE GALLATIN VALLEY, SOUTHWESTERN MONTANA, 1947-93

By Steven E. Slagle

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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
acre	4,047	square meter
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
square mile (mi ²)	2.59	square kilometer

Sea level: In this report “sea level” refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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Abstract

Water-level data were collected in the Gallatin Valley to provide a basis for evaluation of the configuration of the ground-water surface and water-level change. Water-level records collected during a 2-year study of the area and historical water-level data for 121 wells in the Gallatin Valley are summarized in the report. Well-depth and primary-aquifer data are included. The locations of the wells are shown on a map at a scale of 1:275,500.

INTRODUCTION

The Gallatin Valley, which encompasses an area of about 540 mi² in southwestern Montana, is bounded on the north by the Horseshoe Hills, on the east by the Bridger Range, on the south by the Gallatin and Madison Ranges, and on the west by the Camp Creek Hills (fig. 1). The Gallatin Valley is drained by the Gallatin River and its tributaries. Tributaries to the Gallatin River include South Cottonwood Creek, Camp Creek, and the East Gallatin River. The principal tributary, the East Gallatin River, heads near the southern end of the Bridger Range about 10 mi east of Bozeman and joins the Gallatin River about 2 mi north of Manhattan. Tributaries to the East Gallatin River include Bozeman Creek, Hyalite Creek, Smith Creek, and Dry Creek.

Rapid population growth in the Gallatin Valley has resulted in numerous rural subdivisions in an area characterized by permeable soils and shallow unconfined aquifers. Because of the consequent increased ground-water use and potential for changes in ground-water levels and chemical quality, the U.S. Geological Survey, in cooperation with the Montana Bureau of Mines and Geology, conducted a 2-year study of the current (1992-93) hydrologic conditions in the valley. This report summarizes the water-level data collected from 121 wells during the project and selected histori-

cal water-level data for the Gallatin Valley that are stored in the U.S. Geological Survey Ground Water Site Inventory data base. These data were collected to provide a basis for evaluation of the configuration of the ground-water surface and water-level change. Well-depth and primary-aquifer data are also included. The location of the wells is shown on figure 1.

Location-Numbering System

In this report, locations are numbered according to geographic position within the rectangular grid system used in Montana by the Bureau of Land Management (fig. 2). The location number consists of as many as 14 characters. The first three characters specify the township and its position north (N) or south (S) of the Montana Base Line. The next three characters specify the range and its position east (E) of the Montana Principal Meridian. The next two characters are the section number. The next one to four characters designate the quarter section (160-acre tract), quarter-quarter section (40-acre tract), quarter-quarter-quarter section (10-acre tract), and quarter-quarter-quarter-quarter section (2.5-acre tract), respectively. The subdivisions of the section are designated A, B, C, and D in a counterclockwise direction, beginning in the northeast quadrant. The last two characters form a sequence number indicating the order of inventory. For example, as shown in figure 2, well 01N04E05DDDD01 is the first well inventoried in the SE¹/₄SE¹/₄SE¹/₄SE¹/₄ sec. 5, T. 1 N., R. 4 E.

SELECTED REFERENCE

Slagle, S.E., 1995, Geohydrologic conditions and land use in the Gallatin Valley, southwestern Montana, 1992-93: U.S. Geological Survey Water-Resources Investigations Report 95-4034, 2 sheets, scale 1:100,000.

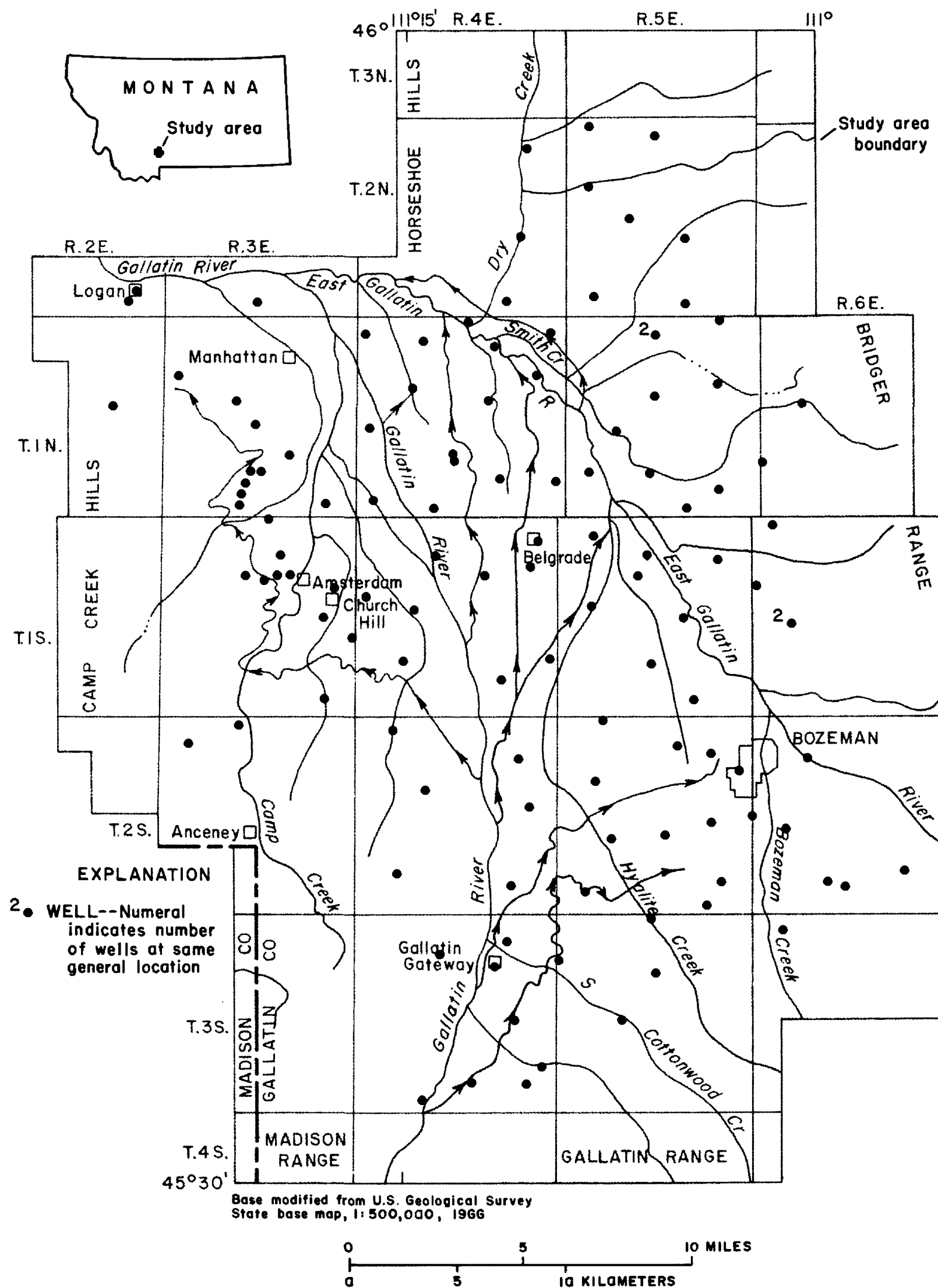


Figure 1. Location of study area and wells.

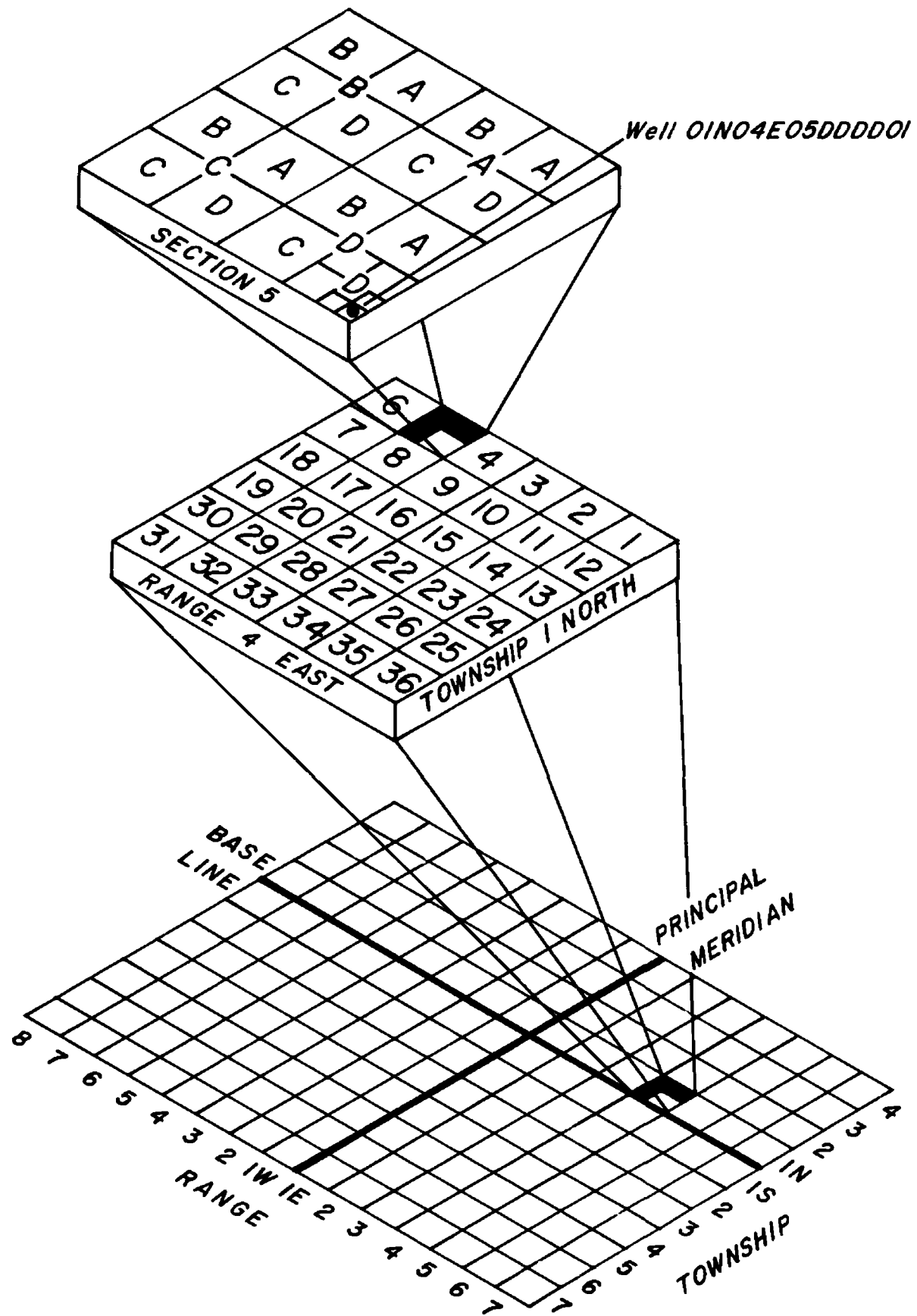


Figure 2. Location-numbering system.

DATA

Table 1. Records of water levels, Gallatin Valley, southwestern Montana

[Location number: numbering system described in text. Land-surface altitude: in feet above sea level. Well depth: in feet below land surface; --, depth unknown. Geologic unit: Qal, Quaternary alluvium; QTa, Quaternary and Tertiary alluvial-fan deposits; Ts, Tertiary sediments; Mm, Madison Limestone. Water level: in feet below land surface. A (collecting agency): M, water level measured by Montana Department of Natural Resources and Conservation; S, water level measured by U.S. Geological Survey. C (site status): D, dry; O, obstruction; R, recently pumped; T, nearby well recently pumped; no symbol, static water level]

LOCATION NUMBER: 01N02E14CADC01
 LAND-SURFACE ALTITUDE: 4,620
 WELL DEPTH: --
 GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 24, 1991	458.6	S	APR 15, 1993	459.00	S	SEP 08, 1993	461.89	S
NOV 04, 1992	457.23	S	MAY 03	458.55	S	OCT 05	457.39	S
JAN 04, 1993	429.63	S	JUN 10	457.42	S	NOV 02	457.55	S
FEB 02	430.32	S	AUG 02	457.65	S			

HIGHEST 429.63 JAN 04, 1993
 LOWEST 461.89 SEP 08, 1993

LOCATION NUMBER: 01N03E07CDDA01
 LAND-SURFACE ALTITUDE: 4,422
 WELL DEPTH: --
 GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
NOV 04, 1992	227.89	S	NOV 01, 1993	230.27	S

HIGHEST 227.89 NOV 04, 1992
 LOWEST 230.27 NOV 01, 1992

LOCATION NUMBER: 01N03E16CABB01
 LAND-SURFACE ALTITUDE: 4,375
 WELL DEPTH: 400
 GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
OCT 26, 1989	80.70	M	JUL 26, 1990	83.12	M	FEB 13, 1992	85.30	M
NOV 20	80.36	M	OCT 22	79.78	M	MAY 28	85.48	M
JAN 15, 1990	81.60	M	NOV 19	80.13	M	MAR 10, 1993	83.40	M
MAR 20	83.22	M	FEB 07, 1991	83.30	M	MAY 12	84.65	M
APR 23	83.64	M	MAY 14	84.56	S	AUG 03	84.38	M
MAY 24	84.72	M	JUL 29	86.05	M	NOV 02	84.80	M
JUN 28	83.67	M	NOV 06	83.50	M			

HIGHEST 79.78 OCT 22, 1990
 LOWEST 86.05 JUL 29, 1991

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01N03E21ADDD01

LAND-SURFACE ALTITUDE: 4,433

WELL DEPTH: --

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JAN 30, 1986	115	M	NOV 29, 1988	119.17	M	MAY 02, 1991	120.50	S
FEB 28	115	M	OCT 24, 1989	112.80	M	14	121.20	M
MAR 27	115	M	NOV 20	120.21	M	NOV 06	123.0	M
APR 23	111.1	M	JAN 15, 1990	120.08	M	FEB 13, 1992	123.01	M
26	116.0	M	MAR 20	120.37	M	MAY 28	123.23	M
30	115.3	M	APR 23	119.94	M	NOV 05	122.80	M
MAY 17	114.6	M	MAY 24	121.74	M	MAY 12, 1993	122.8	M
JAN 27, 1987	115.83	M	JUN 28	120.85	M	AUG 02	122.87	M
MAR 03	116	M	OCT 22	121.22	M	NOV 02	122.8	M
APR 02	116	M	NOV 19	120.85	M			
MAY 26	116	M	FEB 07, 1991	121.82	M			

HIGHEST 111.1 APR 23, 1986

LOWEST 123.23 MAY 28, 1992

LOCATION NUMBER: 01N03E27AACC01

LAND-SURFACE ALTITUDE: 4,329

WELL DEPTH: 196

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
NOV 03, 1980	10.5	M	OCT 24, 1990	12.4	M	FEB 13, 1992	16.53	M
NOV 21, 1989	12.77	M	NOV 20	12.9	M	NOV 05	12.5	M
JAN 16, 1990	13.86	M	FEB 07, 1991	14.6	M	MAR 10, 1993	14.2	M
MAR 20	14.45	M	MAY 15	14.36	S	MAY 12	13.75	M
APR 24	14.52	M	JUL 29	10.5	M	NOV 03	12.2	M
JUL 27	11.39	M	NOV 06	13.5	M			

HIGHEST 10.5 NOV 30, 1980, JUL 29, 1991

LOWEST 16.53 FEB 13, 1992

LOCATION NUMBER: 01N03E28DCAA01

LAND-SURFACE ALTITUDE: 4,420

WELL DEPTH: 289

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 05, 1960	61	M	JAN 16, 1990	77.73	M	JUL 29, 1991	90.35	M
APR 03, 1986	67.5	M	MAR 20	77.45	M	NOV 06	84.75	M
23	70	M	APR 24	77.27	M	FEB 13	85.15	M
26	70.1	M	JUL 27	86.57	M	NOV 05, 1992	80.75	M
JAN 27, 1987	70.5	M	OCT 24	80.51	M	FEB 11, 1993	75.65	M
MAR 03	70.8	M	NOV 20	78.77	M	MAY 12	78.85	M
NOV 29, 1988	85.5	M	FEB 07, 1991	78.1	M	NOV 02	72.85	M
NOV 20, 1989	79.62	M	MAY 14	77.30	S			

HIGHEST 61 JUL 05, 1960

LOWEST 90.35 JUL 29, 1991

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01N03E28DCBB01

LAND-SURFACE ALTITUDE: 4,460

WELL DEPTH: 284

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
APR 30, 1981	104	M	MAR 20, 1990	115.67	M	NOV 06, 1991	126.40	M
APR 30, 1986	109	M	APR 24	116.35	M	FEB 13, 1992	121.05	M
JAN 27, 1987	107	M	JUL 27	129.71	M	NOV 05	123.8	M
MAR 03	115	M	OCT 24	121	M	FEB 11, 1993	117.05	M
NOV 29, 1988	117.58	M	NOV 20	118.40	M	MAY 12	119.40	M
NOV 20, 1989	119.37	M	MAY 14, 1991	115.39	M	NOV 02	109.90	M
JAN 16, 1990	116.38	M	JUL 29	133.8	M			

HIGHEST 104 APR 30, 1981

LOWEST 133.8 JUL 29, 1991

LOCATION NUMBER: 01N03E33BADD01

LAND-SURFACE ALTITUDE: 4,420

WELL DEPTH: 275

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
NOV 20, 1989	81.27	M	OCT 23, 1990	88.55	M	MAY 28, 1992	89.38	M
JAN 16, 1990	79.64	M	NOV 19	81.15	M	NOV 05	83.10	M
MAR 20	79.14	M	FEB 07, 1991	79.9	M	MAY 12, 1993	78.35	M
APR 23	78.90	M	MAY 14	78.92	M	AUG 03	87.26	M
MAY 24	81.33	M	NOV 06	88.4	M	NOV 02	70.90	M
JUL 26	86.20	M	FEB 13, 1992	82.65	M			

HIGHEST 70.90 NOV 02, 1993

LOWEST 89.38 MAY 28, 1992

LOCATION NUMBER: 01N03E33BDBB01

LAND-SURFACE ALTITUDE: 4,435

WELL DEPTH: 340

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
NOV 21, 1989	85.1	M	JUL 26, 1990	65.73	M	NOV 05, 1992	68.5	M
JAN 16, 1990	83.41	M	OCT 23	81.08	M	FEB 11, 1993	82.35	M
MAR 20	84.54	M	NOV 19	82.13	M	AUG 03	52.1	M
APR 23	83.40	M	FEB 07, 1991	83.80	M	NOV 03	61.1	M
MAY 24	72.20	M	NOV 06	84.1	M			
JUN 28	70.95	M	MAY 28, 1992	73.25	M			

HIGHEST 52.1 AUG 03, 1993

LOWEST 85.1 NOV 21, 1989

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01N03E33CCBC01

LAND-SURFACE ALTITUDE: 4,520

WELL DEPTH: 378

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
APR 23, 1986	138.4	M	APR 23, 1990	149.92	M	MAY 29, 1992	144.85	M
26	139.8	M	OCT 23	164.44	M	NOV 05	145.60	M
MAY 15	142.20	M	NOV 19	147.25	M	MAR 10, 1993	143.40	M
16	144.3	M	FEB 07, 1991	146.13	M	MAY 12	143.00	M
NOV 21, 1989	147.23	M	MAY 14	145.08	S	NOV 02	140.75	M
JAN 15, 1990	145.77	M	NOV 06	149.00	M			
MAR 19	145.30	M	FEB 13, 1992	147.87	M			

HIGHEST 138.4 APR 23, 1986

LOWEST 164.44 OCT 23, 1990

LOCATION NUMBER: 01N03E35DDBB01

LAND-SURFACE ALTITUDE: 4,351

WELL DEPTH: 72

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 06, 1984	10.5	M	APR 24, 1990	12.21	M	NOV 06, 1991	9.50	M
APR 19, 1986	8.3	M	MAY 25	10.72	M	FEB 13, 1992	13.92	M
MAY 17	7.80	M	OCT 24	7.85	M	NOV 05	7.9	M
NOV 21, 1989	8.89	M	NOV 20	8.97	M	MAR 10, 1993	11.5	M
JAN 16, 1990	10.60	M	FEB 07, 1991	11.9	M	MAY 12	11.13	M
MAR 20	11.83	M	MAY 15	11.45	S	NOV 02	7.9	M

HIGHEST 7.80 MAY 17, 1986

LOWEST 13.92 FEB 13, 1992

LOCATION NUMBER: 01N04E01DBAB01

LAND-SURFACE ALTITUDE: 4,385

WELL DEPTH: 123

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 20, 1991	75.73	S	MAY 05, 1993	79.57	S	NOV 02, 1993	75.53	S
NOV 03, 1992	75.49	S	AUG 02	76.41	S			

HIGHEST 75.49 NOV 03, 1992

LOWEST 79.57 MAY 05, 1993

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01N04E03BBAA01

LAND-SURFACE ALTITUDE: 4,270

WELL DEPTH: 48

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
APR 24, 1951	19.00	S	FEB 02, 1993	19.21	S	JUL 09, 1993	19.23	S
AUG 04, 1953	10.59	S	FEB 25	21.17	S	AUG 02	17.80	S
AUG 05, 1992	14.26	S	APR 15	20.09	S	SEP 08	18.56	S
NOV 03	17.15	S	MAY 03	19.91	S	OCT 05	18.70	S
DEC 07	18.36	S	JUN 10	19.56	S	NOV 01	19.39	S
JAN 04, 1993	18.49	S						

HIGHEST 10.59 AUG 04, 1953

LOWEST 21.17 FEB 25, 1993

LOCATION NUMBER: 01N04E05DDDD01

LAND-SURFACE ALTITUDE: 4,257

WELL DEPTH: 65

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 24, 1991	8.21	S	MAY 03, 1993	6.14	S	NOV 02, 1993	7.91	S
NOV 05, 1992	6.91	S	AUG 02	6.47	S			

HIGHEST 6.14 MAY 03, 1993

LOWEST 8.21 JUN 24, 1991

LOCATION NUMBER: 01N04E06CBBB01

LAND-SURFACE ALTITUDE: 4,228

WELL DEPTH: 8.2

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 18, 1992	4.99	S	FEB 02, 1993		SD	JUN 10, 1993		SD
NOV 03		SD	25		SD	JUL 09		SD
DEC 07		SD	APR 15		SD	AUG 02		SD
JAN 04, 1993		SD	MAY 03		SD	NOV 01		SD

LOCATION NUMBER: 01N04E10AADD01

LAND-SURFACE ALTITUDE: 4,277

WELL DEPTH: 5.8

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 04, 1953	3.38	S	FEB 02, 1993	3.58	S	JUL 09, 1993	1.61	S
JUN 18, 1992	2.66	S	FEB 25	3.77	S	AUG 02	2.80	S
NOV 01	3.28	S	APR 15	3.21	S	SEP 08	3.79	S
DEC 07	3.43	S	MAY 03	3.10	S	OCT 05	3.26	S
JAN 04, 1993	3.55	S	JUN 10	2.90	S	NOV 01	3.38	S

HIGHEST 1.61 JUL 09, 1993

LOWEST 3.79 SEP 08, 1993

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01N04E12CDCC01

LAND-SURFACE ALTITUDE: 4,309

WELL DEPTH: 7.0

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 14, 1992	5.43	S	FEB 25, 1993	5.38	S	AUG 02, 1993	4.42	S
NOV 03	5.06	S	APR 15	4.86	S	SEP 08	4.20	S
DEC 07	5.11	S	MAY 04	4.58	S	OCT 05	5.06	S
JAN 04, 1993	5.18	S	JUN 10	4.36	S	NOV 02	4.02	S
FEB 02	5.24	S	JUL 09	3.97	S			

HIGHEST 3.97 JUL 09, 1993

LOWEST 5.43 AUG 14, 1992

LOCATION NUMBER: 01N04E15DADD01

LAND-SURFACE ALTITUDE: 4,318

WELL DEPTH: 300

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
MAY 20, 1953	5.00	S	FEB 02, 1993	3.78	S	JUL 09, 1993	3.35	S
AUG 04, 1953	3.51	S	FEB 25	3.91	S	AUG 02	3.41	S
JUL 14, 1992	3.35	S	APR 15	3.02	S	SEP 08	3.41	S
NOV 03	3.52	S	MAY 03	3.53	S	OCT 05	3.52	S
DEC 07	3.73	S	JUN 10	3.48	S	NOV 01	3.44	S
JAN 04, 1993	3.80	S						

HIGHEST 3.02 APR 15, 1993

LOWEST 5.00 MAY 20, 1953

LOCATION NUMBER: 01N04E17BAAA01

LAND-SURFACE ALTITUDE: 4,278

WELL DEPTH: 28

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 11, 1992	3.75	S	NOV 03, 1992	6.35	S	AUG 02, 1993	4.61	S
AUG 26	4.51	S	MAY 04, 1993	5.61	S	NOV 01	6.69	S

HIGHEST 3.75 JUN 11, 1992

LOWEST 6.69 NOV 01, 1993

LOCATION NUMBER: 01N04E19CBCC01

LAND-SURFACE ALTITUDE: 4,304

WELL DEPTH: 81

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
SEP 01, 1953	4.00	S	FEB 03, 1993	4.31	S	JUL 09, 1993	4.46	S
JUN 11, 1992	4.82	S	25	4.33	S	AUG 04	4.60	S
NOV 03	4.09	S	APR 15	4.45	S	SEP 08	4.65	S
DEC 07	4.20	S	MAY 04	3.29	S	OCT 05	4.62	S
JAN 05, 1993	4.25	S	JUN 11	3.89	S	NOV 01	3.90	S

HIGHEST 3.29 MAY 04, 1993

LOWEST 4.82 JUN 11, 1992

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01N04E25DCDD01

LAND-SURFACE ALTITUDE: 4,385

WELL DEPTH: 101

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
DEC 07, 1951	10.57	S	FEB 04, 1965	14.03	S	FEB 24, 1973	14.69	S
JAN 01, 1952	11.86	S	MAR 06	14.93	S	MAY 16	14.78	S
FEB 01	13.33	S	APR 16	15.90	S	31	11.97	S
MAR 01	14.34	S	MAY 30	13.31	S	AUG 30	7.70	S
27	15.11	S	JUL 02	10.42	S	DEC 05	11.69	S
MAY 01	13.88	S	AUG 01	8.01	S	APR 24, 1974	16.02	S
JUN 02	11.89	S	23	7.57	S	JUL 19	8.26	S
JUL 01	7.80	S	SEP 04	8.88	S	OCT 25	7.79	S
AUG 01	6.84	S	OCT 02	9.10	S	AUG 30, 1975	7.2	S
06	5.92	S	30	9.55	S	AUG 04, 1976	6.25	S
SEP 01	7.77	S	DEC 03	10.00	S	17	6.45	S
OCT 01	8.00	S	JAN 05, 1966	12.09	S	31	6.10	S
NOV 01	8.49	S	FEB 01	13.46	S	OCT 05	7.90	S
DEC 01	9.56	S	MAR 04	14.76	S	28	8.80	S
JAN 01, 1953	11.31	S	APR 02	15.39	S	JUN 16, 1977	7.49	S
FEB 01	12.63	S	MAY 04	15.09	S	JUL 28	7.9	S
MAR 01	13.87	S	JUN 11	9.75	S	AUG 26	9.73	S
APR 01	14.73	S	JUL 02	7.62	S	SEP 05, 1980	8.37	S
24	15.27	S	SEP 03	8.57	S	DEC 12	12.72	S
MAY 01	15.06	S	OCT 03	9.25	S	JAN 13, 1981	13.84	S
JUN 01	11.69	S	DEC 09	12.22	S	MAR 04	15.41	S
JUL 03	8.56	S	FEB 10, 1967	14.32	S	APR 13	15.90	S
AUG 18	6.48	S	APR 03	15.64	S	MAY 29	9.69	S
SEP 01	7.45	S	JUN 24	9.63	S	JUL 10	10.01	S
OCT 01	8.22	S	JUL 17	9.14	S	AUG 18	8.69	S
DEC 01	9.19	S	AUG 05	7.58	S	SEP 29	9.67	S
JAN 01, 1954	11.08	S	OCT 06	7.89	S	NOV 19	11.46	S
FEB 01	12.64	S	DEC 08	11.21	S	JAN 06, 1982	13.69	S
MAR 01	13.60	S	MAR 01, 1968	13.25	S	FEB 18	14.02	S
APR 17	14.73	S	APR 10	14.66	S	NOV 02, 1983	10.35	S
FEB 06, 1963	11.90	S	JUN 05	11.06	S	OCT 01, 1984	9.27	S
MAR 07	14.50	S	AUG 26	6.26	S	OCT 17, 1985	11.56	S
APR 10	14.30	S	NOV 08	8.81	S	OCT 09, 1986	10.59	S
MAY 05	14.60	S	APR 11, 1969	13.71	S	OCT 07, 1987	11.16	S
JUN 19	10.60	S	MAY 26	8.20	S	SEP 21, 1988	12.19	S
JUL 15	7.85	S	JUL 22	6.63	S	SEP 13, 1989	11.27	S
OCT 11	10.20	S	DEC 30	12.58	S	SEP 14, 1990	9.96	S
NOV 09	10.32	S	NOV 12, 1970	9.35	S	OCT 09, 1991	12.98	S
DEC 11	11.82	S	JAN 06, 1971	9.40	S	NOV 21	13.66	S
JAN 04, 1964	12.82	S	FEB 20	13.50	S	FEB 12, 1992	16.12	S
FEB 01	13.95	S	MAR 22	14.95	S	MAY 21	13.35	S
MAR 10	14.60	S	30	14.95	S	OCT 06	11.73	S
28	14.97	S	APR 25	15.25	S	NOV 03	12.76	S
APR 29	14.97	S	MAY 31	10.55	S	FEB 25, 1993	16.28	S
JUN 04	12.75	S	JUL 02	7.80	S	MAY 04	14.58	S
28	10.15	S	AUG 03	7.60	S	JUL 07	11.15	S
AUG 29	8.10	S	SEP 07	7.31	S	AUG 03	10.95	S
OCT 03	8.82	S	OCT 31	9.45	S	24	9.97	S
31	9.87	S	MAR 21, 1972	15.17	S	OCT 06	11.16	S
JAN 08, 1965	12.94	S	AUG 17	6.89	S			

HIGHEST 5.92 AUG 06, 1952

LOWEST 16.28 FEB 25, 1993

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01N04E26CCCC01

LAND-SURFACE ALTITUDE: 4,384

WELL DEPTH: 63

GEOLOGIC UNIT: Qal

	DATE	WATER LEVEL	AC		DATE	WATER LEVEL	AC		DATE	WATER LEVEL	AC
JUL	14, 1992	17.94	S	MAY	04, 1993	25.95	S	NOV	01, 1993	21.73	S
NOV	03	12.76	S	AUG	02	18.52	S				

HIGHEST 12.76 NOV 03, 1992

LOWEST 25.95 MAY 04, 1993

LOCATION NUMBER: 01N04E28ABBB01

LAND-SURFACE ALTITUDE: 4,349

WELL DEPTH: 44

GEOLOGIC UNIT: Qal

	DATE	WATER LEVEL	AC		DATE	WATER LEVEL	AC		DATE	WATER LEVEL	AC
JUL	14, 1992	3.54	S	SEP	02, 1992	4.99	S	AUG	02, 1993	4.35	S

HIGHEST 3.54 JUL 14, 1992

LOWEST 4.99 SEP 02, 1992

LOCATION NUMBER: 01N04E28ABBD01

LAND-SURFACE ALTITUDE: 4,352

WELL DEPTH: 10

GEOLOGIC UNIT: Qal

	DATE	WATER LEVEL	AC		DATE	WATER LEVEL	AC		DATE	WATER LEVEL	AC
JUL	14, 1992	4.00	S	FEB	25, 1993		SO	AUG	02, 1993	5.39	S
NOV	04	6.44	S	APR	15	9.39	S	SEP	08	7.02	S
DEC	07	8.51	S	MAY	04	7.53	S	OCT	05	7.46	S
JAN	04, 1993	8.17	S	JUN	10	5.05	S	NOV	01	7.86	S
FEB	02	8.18	S	JUL	09	6.46	S				

HIGHEST 4.00 JUL 14, 1992

LOWEST 9.39 APR 15, 1993

LOCATION NUMBER: 01N04E31CAAA01

LAND-SURFACE ALTITUDE: 4,361

WELL DEPTH: --

GEOLOGIC UNIT: Qal

	DATE	WATER LEVEL	AC		DATE	WATER LEVEL	AC		DATE	WATER LEVEL	AC
JUN	18, 1992	2.96	S	MAY	04, 1993	3.80	S	NOV	01, 1993	5.07	S
NOV	03	3.29	S	AUG	04	3.07	S				

HIGHEST 2.96 JUN 18, 1992

LOWEST 5.07 NOV 01, 1993

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01N04E33CDCC01

LAND-SURFACE ALTITUDE: 4,407

WELL DEPTH: 101

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 19, 1991	21.85	S	MAY 04, 1993	26.50	S	NOV 03, 1993	24.83	S
NOV 03, 1992	23.49	S	AUG 03	21.60	S			

HIGHEST 21.60 AUG 03, 1993

LOWEST 26.50 MAY 04, 1993

LOCATION NUMBER: 01N05E02AAAC01

LAND-SURFACE ALTITUDE: 4,740

WELL DEPTH: 78

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 22, 1992	6.12	S	MAY 03, 1993	7.04	S	AUG 02, 1993	5.60	S
NOV 04	6.88	S	JUL 20	5.67	S	NOV 02	5.72	S

HIGHEST 5.60 AUG 02, 1993

LOWEST 7.04 MAY 03, 1993

LOCATION NUMBER: 01N05E04DDAD01

LAND-SURFACE ALTITUDE: 4,500

WELL DEPTH: 13

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 17, 1992	11.37	S	FEB 25, 1993	10.69	S	AUG 02, 1993	3.01	S
SEP 01	6.46	S	APR 15	9.26	S	SEP 08	4.34	S
NOV 02	7.42	S	MAY 04	6.45	S	OCT 05	5.73	S
DEC 07	9.06	S	JUN 10	2.24	S	NOV 02	6.47	S
FEB 02, 1993	10.39	S	JUL 09	2.57	S			

HIGHEST 2.24 JUN 10, 1993

LOWEST 11.37 JUL 17, 1992

LOCATION NUMBER: 01N05E04DDAD02

LAND-SURFACE ALTITUDE: 4,500

WELL DEPTH: 68

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 17, 1992	7.46	S	SEP 01, 1992	4.27	S	NOV 04, 1992	4.80	S

HIGHEST 4.27 SEP 01, 1992

LOWEST 7.46 JUL 17, 1992

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01N05E14ACDD01

LAND-SURFACE ALTITUDE: 4,670

WELL DEPTH: 109

GEOLOGIC UNIT: QTa

	DATE	WATER LEVEL	AC		DATE	WATER LEVEL	AC		DATE	WATER LEVEL	AC
JUL	31, 1992	86.32	S	NOV	02, 1992	86.38	S	AUG	02, 1993	81.74	S
SEP	03	83.23	S	MAY	04, 1993	93.87	S	NOV	02	85.59	S

HIGHEST 81.74 AUG 02, 1993

LOWEST 93.87 MAY 04, 1993

LOCATION NUMBER: 01N05E16DAAA01

LAND-SURFACE ALTITUDE: 4,490

WELL DEPTH: 119

GEOLOGIC UNIT: Ts

	DATE	WATER LEVEL	AC		DATE	WATER LEVEL	AC		DATE	WATER LEVEL	AC
JUN	21, 1992	43.33	S	MAY	04, 1993	43.79	S	NOV	02, 1993	42.09	S
NOV	03	43.77	S	AUG	03	39.90	S				

HIGHEST 39.90 AUG 03, 1993

LOWEST 43.79 MAY 04, 1993

LOCATION NUMBER: 01N05E20DBAA01

LAND-SURFACE ALTITUDE: 4,377

WELL DEPTH: 33

GEOLOGIC UNIT: QTa

	DATE	WATER LEVEL	AC		DATE	WATER LEVEL	AC		DATE	WATER LEVEL	AC
JUL	15, 1992	12.86	S	NOV	03, 1992	12.81	S	AUG	03, 1993	12.15	S
SEP	03	13.03	S	MAY	04, 1993	11.73	S	NOV	01	11.70	S

HIGHEST 11.70 NOV 01, 1993

LOWEST 13.03 SEP 03, 1992

LOCATION NUMBER: 01N05E28DCAD01

LAND-SURFACE ALTITUDE: 4,423

WELL DEPTH: 40

GEOLOGIC UNIT: Qal

	DATE	WATER LEVEL	AC		DATE	WATER LEVEL	AC		DATE	WATER LEVEL	AC
JUL	08, 1992	4.45	S	NOV	03, 1992	3.66	S	AUG	03, 1993	2.08	S
SEP	24	3.85	S	MAY	04, 1993	3.12	S	NOV	01	2.31	S

HIGHEST 2.08 AUG 03, 1993

LOWEST 4.45 JUL 08, 1992

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01N05E30DDAA01

LAND-SURFACE ALTITUDE: 4,380

WELL DEPTH: 10

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 07, 1951	3.00	S	FEB 02, 1993	3.81	S	JUL 09, 1993	2.87	S
AUG 04, 1953	2.56	S	25	3.86	S	AUG 03	3.00	S
NOV 03, 1992	3.32	S	APR 15	3.75	S	SEP 08	3.08	S
DEC 07	3.35	S	MAY 04	3.39	S	OCT 05	3.18	S
JAN 04, 1993	3.68	S	JUN 10	2.91	S	NOV 01	3.24	S

HIGHEST 2.56 AUG 04, 1953

LOWEST 3.86 FEB 25, 1993

LOCATION NUMBER: 01N05E34DDDC01

LAND-SURFACE ALTITUDE: 4,519

WELL DEPTH: 101

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 20, 1991	64.35	S	MAY 04, 1993	64.10	S	NOV 01, 1993	57.52	S
NOV 03, 1992	62.59	S	AUG 03	53.44	S			

HIGHEST 53.44 AUG 03, 1993

LOWEST 64.35 JUN 20, 1991

LOCATION NUMBER: 01N05E35ADBB01

LAND-SURFACE ALTITUDE: 4,565

WELL DEPTH: 81

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 22, 1992	25.59	S	MAY 04, 1993	26.10	S	AUG 02, 1993	22.51	S
NOV 02	23.63	S	JUL 20	19.27	S	NOV 01	13.22	S

HIGHEST 13.22 NOV 01, 1993

LOWEST 26.10 MAY 04, 1993

LOCATION NUMBER: 01N06E17CDCB01

LAND-SURFACE ALTITUDE: 5,040

WELL DEPTH: 60

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 20, 1991	10.77	S	FEB 25, 1993	14.38	S	AUG 02, 1993	9.63	S
NOV 04, 1992	12.23	S	APR 15	13.59	S	SEP 08	11.69	S
DEC 07	12.76	S	MAY 03	12.81	S	OCT 05	9.95	S
JAN 04, 1993	13.17	S	JUN 10	10.15	S	NOV 01	10.30	S
FEB 02	13.57	S	JUL 09	9.36	S			

HIGHEST 9.36 JUL 09, 1993

LOWEST 14.38 FEB 25, 1993

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01N06E30BCBB01

LAND-SURFACE ALTITUDE: 4,695

WELL DEPTH: 154

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 16, 1992	116.72	S	MAY 04, 1993	117.14	S	NOV 01, 1993	109.38	S
NOV 02	115.74	S	AUG 02	113.9	S			

HIGHEST 109.38 NOV 01, 1993

LOWEST 117.14 MAY 04, 1993

LOCATION NUMBER: 01S03E03BBB 01

LAND-SURFACE ALTITUDE: 4,440

WELL DEPTH: --

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JAN 16, 1990	81.00	M	NOV 19, 1990	81.06	M	MAY 12, 1993	79.5	M
APR 24	81.38	M	FEB 07, 1991	81.65	M	AUG 03	75.66	M
MAY 24	80.82	M	JUL 29	83.30	M	NOV 03	73.8	M
JUL 27	80.40	M	NOV 06	86.3	M			
OCT 24	81.45	M	NOV 05, 1992	79.6	M			

HIGHEST 73.8 NOV 03, 1993

LOWEST 86.3 NOV 06, 1991

LOCATION NUMBER: 01S03E09DBC 01

LAND-SURFACE ALTITUDE: 4,560

WELL DEPTH: 540

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 27, 1990	233.70	M	NOV 06, 1991	217.9	M	MAY 12, 1993	215.6	M
OCT 24	214.87	M	NOV 05, 1992	217.0	M	NOV 02	216.4	M
FEB 07, 1991	214.40	M	MAR 10, 1993	216.2	M			

HIGHEST 214.40 FEB 07, 1991

LOWEST 233.70 JUL 27, 1990

LOCATION NUMBER: 01S03E10AB 01

LAND-SURFACE ALTITUDE: 4,450

WELL DEPTH: --

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
MAR 19, 1990	105.88	M	OCT 24, 1990	104.74	M	NOV 05, 1992	103.7	M
APR 24	106.59	M	FEB 07, 1991	106.15	M	MAR 10, 1993	104.3	M
MAY 24	107.28	M	NOV 06	108.6	M	MAY 12	105.75	M
JUN 28	108.16	M	FEB 13, 1992	119.00	M	NOV 02	102.7	M

HIGHEST 102.7 NOV 02, 1993

LOWEST 119.00 FEB 13, 1992

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01S03E10CCC 01
 LAND-SURFACE ALTITUDE: 4,580
 WELL DEPTH: 310
 GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
OCT 28, 1989	159.75	M	JUL 26, 1990	162.65	M	MAY 29, 1992	163.7	M
NOV 21	160.77	M	OCT 24	161.40	M	NOV 05	163.3	M
JAN 16, 1990	160.65	M	NOV 20	160.75	M	MAR 10, 1993	163.5	M
MAR 19	160.29	M	FEB 07, 1991	161.44	M	MAY 12	162.5	M
APR 23	160.67	M	JUL 29	168.25	M	NOV 01	162.0	M
MAY 25	160.90	M	NOV 06	164.83	M			
JUN 28	162.05	M	FEB 13, 1992	164.5	M			

HIGHEST 159.75 OCT 28, 1989
 LOWEST 168.25 JUL 29, 1991

LOCATION NUMBER: 01S03E10DCCB01
 LAND-SURFACE ALTITUDE: 4,550
 WELL DEPTH: 359
 GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
OCT 21, 1973	126	M	OCT 24, 1989	139.97	M	MAY 14, 1991	140.47	S
JAN 20, 1986	138	M	NOV 21	138.96	M	NOV 06	142.39	M
FEB 28	138	M	JAN 16, 1990	138.89	M	FEB 13, 1992	142.39	M
MAR 27	138	M	MAR 19	139.53	M	MAY 29	142.09	M
APR 30	138	M	APR 23	139.64	M	NOV 05	139.64	M
MAY 17	139.4	M	MAY 25	140.42	M	MAR 10, 1993	139.81	M
JUN 03	141.2	M	JUN 28	142.73	M	MAY 12	140.54	M
JAN 27, 1987	136	M	JUL 26	141.18	M	AUG 03	141.14	M
APR 02	137	M	OCT 24	139.56	M	NOV 02	139.29	M
MAY 26	139	M	NOV 19	138.99	M			
NOV 29, 1988	139	M	FEB 07, 1991	140.16	M			

HIGHEST 126 OCT 21, 1973
 LOWEST 142.73 JUN 28, 1990

LOCATION NUMBER: 01S03E10DDBB01
 LAND-SURFACE ALTITUDE: 4,535
 WELL DEPTH: 240
 GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 12, 1973	129	M	MAY 25, 1990	148.45	M	SEP 10, 1991	158.85	M
APR 19, 1986	143.85	M	JUN 27	148.73	M	NOV 06	148.75	M
MAY 17	144.35	M	JUL 26	148.44	M	FEB 13, 1992	148.10	M
JUN 03	145.85	M	OCT 22	145.55	M	MAY 29	149.60	M
OCT 26, 1989	146.25	M	24	145.60	M	NOV 05	142.65	M
NOV 21	145.39	M	NOV 19	145.33	M	MAR 10, 1993	144.75	M
JAN 16, 1990	145.77	M	FEB 07, 1991	146.25	M	MAY 12	146.45	M
MAR 19	146.97	M	MAY 02	148.25	S	AUG 03	146.85	M
APR 23	147.66	M	14	148.25	M	NOV 02	142.95	M

HIGHEST 129 JUL 12, 1973
 LOWEST 158.85 SEP 10, 1991

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01S03E13BDBD01

LAND-SURFACE ALTITUDE: 4,552

WELL DEPTH: 160

GEOLOGIC UNIT: Ts

DATE	WATER LEVELS	AC	DATE	WATER LEVELS	AC	DATE	WATER LEVELS	AC
FEB 01, 1974	108	M	JAN 17, 1990	121.77	M	JUL 29, 1991	127.50	M
APR 30, 1986	123.90	M	MAR 19	125.43	M	FEB 13, 1992	125.4	M
JAN 27, 1987	116.48	M	APR 24	127.65	M	MAY 29	124.9	M
MAR 03	119.23	M	MAY 25	128.58	M	NOV 05	115.1	M
APR 02	121.40	M	JUN 28	127.23	M	MAR 10, 1993	123.15	M
MAY 27	123.40	M	JUL 27	121.21	M	MAY 12	126.8	M
OCT 24, 1989	117.65	M	OCT 24	119.10	M			
NOV 21	115.78	M	FEB 07, 1991	125.30	M			

HIGHEST 108 FEB 01, 1974

LOWEST 128.58 MAY 25, 1990

LOCATION NUMBER: 01S03E23ADBC01

LAND-SURFACE ALTITUDE: 4,670

WELL DEPTH: --

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
APR 19, 1986	174.70	M	OCT 24, 1990	176.90	M	MAY 29, 1992	178.21	M
MAY 17	172.70	M	NOV 20	176.15	M	NOV 05	176.45	M
MAR 21, 1990	176.65	M	MAY 14, 1991	177.64	S	MAY 12, 1993	177.30	M
MAY 25	177.01	M	JUL 29	179.58	M	AUG 03	176.20	M
JUN 28	176.95	M	FEB 13, 1992	178.70	M	NOV 02	176.00	M

HIGHEST 172.70 MAY 17, 1986

LOWEST 179.58 JUL 29, 1991

LOCATION NUMBER: 01S03E24DBAB01

LAND-SURFACE ALTITUDE: 4,633

WELL DEPTH: 360

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 01, 1985	143.00	M	OCT 24, 1989	139.30	M	MAY 14, 1991	142.79	S
JAN 30, 1986	136.00	M	NOV 21	138.52	M	FEB 13, 1992	143.43	M
FEB 28	138.00	M	JAN 17, 1990	139.30	M	MAY 29	143.78	M
MAR 27	138.50	M	MAR 19	140.55	M	NOV 05	139.20	M
APR 19	137.50	M	MAY 25	141.78	M	MAR 10, 1993	140.8	M
30	142.75	M	JUN 28	141.99	M	MAY 12	141.50	M
SEP 16	136.00	M	OCT 24	140.63	M	NOV 02	139.90	M
MAR 03, 1987	137.00	M	NOV 20	140.16	M			
NOV 29, 1988	141.60	M	FEB 07, 1991	141.79	M			

HIGHEST 136.00 JAN 30, 1986, SEP 16, 1986

LOWEST 143.78 MAY 29, 1992

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01S03E36BCCD01

LAND-SURFACE ALTITUDE: 4,633

WELL DEPTH: 113

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
OCT 14, 1952	14.00	S	FEB 25, 1993	37.59	S	AUG 03, 1993	37.36	S
SEP 29, 1992	34.49	S	APR 15	36.89	S	SEP 08	35.01	S
DEC 07	36.17	S	MAY 05	37.83	S	OCT 05	34.62	S
JAN 05, 1993	35.57	S	JUN 11	38.17	S	NOV 02	34.63	S
FEB 03	38.17	S	JUL 09	37.90	S			

HIGHEST 14.00 OCT 14, 1952

LOWEST 38.17 FEB 03, 1993 JUN 11, 1993

LOCATION NUMBER: 01S04E01DCBD01

LAND-SURFACE ALTITUDE: 4,459

WELL DEPTH: 185

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 19, 1991	54.73	S	NOV 04, 1992	50.83	S

HIGHEST 50.83 NOV 04, 1992

LOWEST 54.73 JUN 19, 1991

LOCATION NUMBER: 01S04E09BAAA01

LAND-SURFACE ALTITUDE: 4,428

WELL DEPTH: 97

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
APR 08, 1953	23.00	S	FEB 03, 1993	24.70	S	JUL 09, 1993	17.04	S
JUL 15, 1992	23.76	S	25	23.90	S	AUG 03	18.31	S
NOV 03	20.53	S	APR 15	23.61	S	SEP 08	19.77	S
DEC 07	22.53	S	MAY 04	23.49	S	OCT 05	20.63	S
JAN 05, 1993	21.78	S	JUN 11	17.89	S	NOV 02	21.89	S

HIGHEST 17.04 JUL 09, 1993

LOWEST 24.70 FEB 03, 1993

LOCATION NUMBER: 01S04E10DDDD01

LAND-SURFACE ALTITUDE: 4,488

WELL DEPTH: 107

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 30, 1992	12.15	S	NOV 03, 1992	20.80	S	AUG 03, 1993	12.66	S
SEP 10	18.06	S	MAY 04, 1993	47.30	S	NOV 02	25.58	S

HIGHEST 12.15 JUL 30, 1992

LOWEST 47.30 MAY 04, 1993

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01S04E12CAAB01

LAND-SURFACE ALTITUDE: 4,480

WELL DEPTH: 260

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
FEB 04, 1988	53.40	S	NOV 03, 1992	50.72	S	MAY 05, 1993	80.13	S

HIGHEST 50.72 NOV 03, 1992

LOWEST 80.13 MAY 05, 1993

LOCATION NUMBER: 01S04E17DCDD01

LAND-SURFACE ALTITUDE: 4,497

WELL DEPTH: 50

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 18, 1992	6.52	S	NOV 03, 1992	9.64	S	NOV 02, 1993	9.43	S
SEP 09	5.63	S	MAY 05, 1993	11.71	S			

HIGHEST 5.63 SEP 09, 1992

LOWEST 11.71 MAY 05, 1993

LOCATION NUMBER: 01S04E18BCB 01

LAND-SURFACE ALTITUDE: 4,520

WELL DEPTH: 318

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 01, 1985	81	M	JUL 27, 1990	73.13	M	NOV 05, 1992	70.5	M
NOV 21, 1989	70.64	M	OCT 24	72.83	M	MAR 10, 1993	79.23	M
JAN 17, 1990	78.38	M	NOV 20	74.80	M	MAY 12	82.1	M
MAR 19	81.92	M	JUL 29, 1991	77.30	M	AUG 03	73.31	M
MAY 25	83.46	M	FEB 13, 1992	80.98	M	NOV 02	71.2	M
JUN 28	79.97	M	MAY 29	79.15	M			

HIGHEST 70.5 NOV 05, 1992

LOWEST 83.46 MAY 25, 1990

LOCATION NUMBER: 01S04E25ADDD01

LAND-SURFACE ALTITUDE: 4,581

WELL DEPTH: 34

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 29, 1992	7.76	S	MAY 05, 1993	9.45	S	NOV 02, 1993	11.15	S
NOV 03	9.33	S	AUG 03	8.26	S			

HIGHEST 7.76 JUL 29, 1992

LOWEST 11.15 NOV 02, 1993

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01S04E26CDDD01
 LAND-SURFACE ALTITUDE: 4,605
 WELL DEPTH: 37
 GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 30, 1992	4.76	S	FEB 02, 1993	10.59	S	JUL 09, 1993	3.85	S
SEP 10	5.44	S		10.97	S	AUG 03	5.43	S
NOV 03	6.39	S	APR 15	8.19	S	SEP 08	6.59	S
DEC 07	3.94	S	MAY 05	6.11	S	OCT 05	6.78	S
JAN 05, 1993	9.82	S	JUN 11	4.48	S	NOV 02	8.04	S

HIGHEST 3.85 JUL 09, 1993
 LOWEST 10.97 FEB 25, 1993

LOCATION NUMBER: 01S04E29BDCD01
 LAND-SURFACE ALTITUDE: 4,670
 WELL DEPTH: --
 GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JAN 30, 1986	67	M	JAN 17, 1990	65.92	M	JUL 29, 1991	95.95	M
FEB 28	67	M	MAR 19	68.45	M	NOV 06	65.20	M
MAR 27	69	M	APR 24	69.49	M	FEB 13, 1992	70.08	M
APR 30	69.4	M	MAY 25	100.33	M	MAY 29	95.90	M
MAY 17	70.8	M	JUN 28	68.22	M	NOV 05	63.00	M
JAN 28, 1987	67	M	JUL 27	61.12	M	MAR 10, 1993	68.95	M
MAR 03	68.16	M	OCT 24	65.05	M	MAY 12	70.30	M
MAY 26	71	M	NOV 20	61.95	M	AUG 03	94.20	M
OCT 24, 1989	65.7	M	FEB 07, 1991	67.85	M	NOV 02	69.90	M
NOV 21	58.22	M	MAY 14	69.48	S			

HIGHEST 58.22 NOV 21, 1989
 LOWEST 100.33 MAY 25, 1990

LOCATION NUMBER: 01S05E05CCBB01
 LAND-SURFACE ALTITUDE: 4,451
 WELL DEPTH: 47
 GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 23, 1992	17.86	S	NOV 03, 1992	18.46	S	AUG 02, 1993	16.81	S
SEP 29	17.56	S	MAY 04, 1993	25.02	S	NOV 01	17.68	S

HIGHEST 16.81 AUG 02, 1993
 LOWEST 25.02 MAY 04, 1993

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01S05E09ACCC01
LAND-SURFACE ALTITUDE: 4,475
WELL DEPTH: 28
GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 09, 1992	19.93	S	NOV 03, 1992	14.70	S

HIGHEST 14.70 NOV 03, 1992

LOWEST 19.93 JUL 09, 1992

LOCATION NUMBER: 01S05E09DCCC01
LAND-SURFACE ALTITUDE: 4,490
WELL DEPTH: 145
GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
OCT 26, 1953	16.00	S	FEB 02, 1993	28.43	S	JUL 09, 1993	19.06	S
JUL 09, 1992	21.89	S	FEB 25	30.33	S	AUG 02	18.98	S
NOV 03	22.14	S	APR 15	29.74	S	SEP 08	17.64	S
DEC 07	24.57	S	MAY 04	27.59	S	OCT 05	19.07	S
JAN 04, 1993	26.48	S	JUN 10	24.93	S	NOV 01	15.19	S

HIGHEST 15.19 NOV 01, 1993

LOWEST 30.33 FEB 25, 1993

LOCATION NUMBER: 01S05E12BCCC01
LAND-SURFACE ALTITUDE: 4,668
WELL DEPTH: 112
GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 09, 1992	100.73	S	FEB 25, 1993	99.89	S	AUG 02, 1993	98.01	S
NOV 03	103.99	S	APR 15	99.56	S	SEP 08	99.36	S
DEC 07	99.19	S	MAY 04	101.13	S	OCT 05	85.29	S
JAN 04, 1993	99.43	S	JUN 10	100.27	S	NOV 01	83.32	S
FEB 02	99.47	S	JUL 09	98.67	S			

HIGHEST 83.32 NOV 01, 1993

LOWEST 103.99 NOV 03, 1992

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01S05E17CCDC01

LAND-SURFACE ALTITUDE: 4,519

WELL DEPTH: 42

GEOLOGIC UNIT: Qa1

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 31, 1992	9.05	S	NOV 03, 1992	13.80	S	AUG 02, 1993	7.55	S
SEP 10	10.44	S	MAY 04, 1993	16.14	S	NOV 01	15.18	S

HIGHEST 7.55 AUG 02, 1993

LOWEST 16.14 MAY 04, 1993

LOCATION NUMBER: 01S05E22AADD01

LAND-SURFACE ALTITUDE: 4,567

WELL DEPTH: 52

GEOLOGIC UNIT: Qa1

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 23, 1992	3.86	S	MAY 04, 1993	3.20	S	NOV 01, 1993	5.46	S
NOV 03	8.80	S	AUG 02	3.96	S			

HIGHEST 3.20 MAY 04, 1993

LOWEST 8.80 NOV 03, 1992

LOCATION NUMBER: 01S05E24CACD01

LAND-SURFACE ALTITUDE: 4,628

WELL DEPTH: 37

GEOLOGIC UNIT: Qa1

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 29, 1992	27.73	S	NOV 03, 1992	30.19	S	AUG 02, 1993	28.41	S
SEP 03	29.84	S	MAY 04, 1993	26.87	S	NOV 01	30.13	S

HIGHEST 26.87 MAY 04, 1993

LOWEST 30.19 NOV 03, 1992

LOCATION NUMBER: 01S05E27CBDC01

LAND-SURFACE ALTITUDE: 4,665

WELL DEPTH: 109

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 06, 1992	46.31	S	MAY 04, 1993	39.21	S	NOV 01, 1993	30.38	S
NOV 03	48.50	S	AUG 02	39.77	S			

HIGHEST 30.38 NOV 01, 1993

LOWEST 48.50 NOV 03, 1992

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01S05E35CAAB01
LAND-SURFACE ALTITUDE: 4,695
WELL DEPTH: 67
GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 18, 1992	19.08	S	NOV 03, 1992	19.18	S	AUG 02, 1993	21.56	S
SEP 10	18.88	S	MAY 04, 1993	18.07	S			

HIGHEST 18.07 MAY 04, 1993
LOWEST 21.56 AUG 02, 1993

LOCATION NUMBER: 01S06E06ABCB01
LAND-SURFACE ALTITUDE: 4,878
WELL DEPTH: 375
GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 16, 1992	281.45	S	MAY 05, 1993	310.24	S	AUG 02, 1993	290.83	S
NOV 02	291.30	S						

HIGHEST 281.45 JUL 16, 1992
LOWEST 310.24 MAY 05, 1993

LOCATION NUMBER: 01S06E18BBBB01
LAND-SURFACE ALTITUDE: 4,850
WELL DEPTH: 285
GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 20, 1991	213.91	S	MAY 04, 1993	222.92	S	NOV 01, 1993	199.59	S
NOV 03, 1992	211.85	S	AUG 03	228.98	S			

HIGHEST 199.59 NOV 01, 1993
LOWEST 228.98 AUG 03, 1993

LOCATION NUMBER: 01S06E20BDAA01
LAND-SURFACE ALTITUDE: 5,150
WELL DEPTH: 110
GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 20, 1991	39.39	S	JUN 10, 1993	36.19	S

HIGHEST 36.19 JUN 10, 1993
LOWEST 39.39 JUN 20, 1991

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 01S06E20BDAA02

LAND-SURFACE ALTITUDE: 5,150

WELL DEPTH: 128

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
NOV 04, 1992	45.62	S	MAY 04, 1993	44.68	S	AUG 03, 1993	50.34	S
DEC 07	45.96	S	JUN 10	45.91	S	OCT 06	44.59	S
JAN 04, 1993	50.54	S	JUL 09	42.44	S	NOV 01	45.80	S
FEB 02	50.42	S		43.08	S			
APR 15	45.37	S	AUG 02	103.22	ST			

HIGHEST 42.44 JUL 09, 1993

LOWEST 50.54 JAN 04, 1993

LOCATION NUMBER: 02N02E35ADDA01

LAND-SURFACE ALTITUDE: 4,143

WELL DEPTH: 165

GEOLOGIC UNIT: Mm

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 24, 1991	72.43	S	MAY 03, 1993	79.60	S	NOV 03, 1993	79.84	S
NOV 05, 1992	79.45	S	AUG 04	75.62	S			

HIGHEST 72.43 JUN 24, 1991

LOWEST 79.84 NOV 03, 1993

LOCATION NUMBER: 02N02E36BCAA01

LAND-SURFACE ALTITUDE: 4,102

WELL DEPTH: 142

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 25, 1991	22.27	S	MAY 03, 1993	39.69	S	NOV 03, 1993	40.26	S
NOV 05, 1992	39.81	S	AUG 04	31.06	S			

HIGHEST 22.27 JUN 25, 1991

LOWEST 40.26 NOV 03, 1993

LOCATION NUMBER: 02N03E33DADD01

LAND-SURFACE ALTITUDE: 4,203

WELL DEPTH: 61

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
SEP 09, 1951	34.00	S	FEB 02, 1993	39.55	S	JUL 09, 1993	35.64	S
JUN 09, 1992	34.74	S	FEB 25	40.51	S	AUG 02	37.05	S
NOV 02	36.72	S	APR 15	42.37	S	SEP 08	36.75	S
DEC 07	38.11	S	MAY 03	40.64	S	OCT 05	37.22	S
JAN 04, 1993	38.94	S	JUN 10	38.78	S	NOV 01	38.57	S

HIGHEST 34.00 SEP 09, 1951

LOWEST 42.37 APR 15, 1993

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 02N04E02DDDB01

LAND-SURFACE ALTITUDE: 4,599

WELL DEPTH: 13

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
MAY 28, 1951	11.00	S	FEB 02, 1993		SO	JUL 09, 1993	9.24	S
JUL 30, 1992	10.05	S			SO	AUG 03	10.19	S
NOV 02	10.07	S	APR 15	10.19	S	SEP 08	9.58	S
DEC 07		SO	MAY 03	10.06	S	OCT 05	10.42	S
JAN 04, 1993		SO	JUN 10	9.90	S	NOV 02	10.15	S

HIGHEST 9.24 JUL 09, 1993

LOWEST 11.00 MAY 28, 1951

LOCATION NUMBER: 02N04E23DBDD01

LAND-SURFACE ALTITUDE: 4,442

WELL DEPTH: 62

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 24, 1991	18.57	S	MAY 04, 1993	18.35	S	NOV 02, 1993	19.58	S
NOV 03, 1992	23.04	S	AUG 03	21.69	S			

HIGHEST 18.35 MAY 04, 1993

LOWEST 23.04 NOV 03, 1992

LOCATION NUMBER: 02N04E35BDCC01

LAND-SURFACE ALTITUDE: 4,338

WELL DEPTH: 62

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 14, 1992	22.58	S	FEB 02, 1993	27.99	S	JUL 09, 1993	24.75	S
SEP 01	16.98	S		27.74	S	AUG 02	24.69	S
NOV 03	23.19	S	APR 15	27.79	S	SEP 08	31.52	S
DEC 07	21.99	S	MAY 03	27.84	S	OCT 05	28.16	S
JAN 04, 1993	25.02	S	JUN 10	22.85	S	NOV 02	22.23	S

HIGHEST 16.98 SEP 01, 1992

LOWEST 31.52 SEP 08, 1993

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 02N05E04DADD01

LAND-SURFACE ALTITUDE: 5,310

WELL DEPTH: 83

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 21, 1991	59.15	S	MAY 03, 1993	62.72	S	NOV 02, 1993	40.62	S
NOV 02, 1992	61.47	S	AUG 03	47.68	S			

HIGHEST 40.62 NOV 02, 1993

LOWEST 62.72 MAY 03, 1993

LOCATION NUMBER: 02N05E06ADDA01

LAND-SURFACE ALTITUDE: 4,892

WELL DEPTH: 53

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 21, 1991	37.85	S	MAY 03, 1993	37.46	S	NOV 02, 1993	36.59	S
NOV 02, 1992	37.66	S	AUG 03	37.28	S			

HIGHEST 36.59 NOV 02, 1993

LOWEST 37.85 JUN 21, 1991

LOCATION NUMBER: 02N05E18ABBB01

LAND-SURFACE ALTITUDE: 4,782

WELL DEPTH: 48

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 05, 1992	22.37	S	NOV 02, 1992	23.33	S	AUG 03, 1993	20.79	S
27	22.49	S	MAY 03, 1993	22.67	S	NOV 02	21.20	S

HIGHEST 20.79 AUG 03, 1993

LOWEST 23.33 NOV 02, 1992

LOCATION NUMBER: 02N05E21BBCC01

LAND-SURFACE ALTITUDE: 4,972

WELL DEPTH: 34

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
MAY 28, 1951	28.00	S	FEB 02, 1993	28.88	S	JUL 09, 1993	24.23	S
JUL 30, 1992	28.11	S	25	29.70	S	AUG 03	22.88	S
NOV 02	28.57	S	APR 15	29.34	S	SEP 08	23.49	S
DEC 07	28.87	S	MAY 03	27.39	S	OCT 05	24.08	S
JAN 04, 1993	33.59	S	JUN 10	26.49	S	NOV 02	24.66	S

HIGHEST 22.88 AUG 03, 1993

LOWEST 33.59 JAN 04, 1993

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 02N05E22DDAD01

LAND-SURFACE ALTITUDE: 5,285

WELL DEPTH: 110

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 31, 1992	23.32	S	NOV 02, 1992	23.40	S	AUG 03, 1993	23.45	S
SEP 17	23.34	S	MAY 03, 1993	23.49	S	NOV 02	23.48	S

HIGHEST 23.32 JUL 31, 1992

LOWEST 23.49 MAY 03, 1993

LOCATION NUMBER: 02N05E31DAAA01

LAND-SURFACE ALTITUDE: 4,508

WELL DEPTH: --

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 04, 1992	15.82	S	MAY 04, 1993	12.76	S	NOV 02, 1993	11.81	S
NOV 04	14.25	S	AUG 03	11.37	S			

HIGHEST 11.37 AUG 03, 1993

LOWEST 15.82 AUG 04, 1992

LOCATION NUMBER: 02N05E34DDBB01

LAND-SURFACE ALTITUDE: 4,740

WELL DEPTH: 300

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 20, 1991	13.01	S	MAY 03, 1993	12.01	S	NOV 02, 1993	11.73	S
NOV 02, 1992	14.52	S	AUG 02	11.51	S			

HIGHEST 11.51 AUG 02, 1993

LOWEST 14.52 NOV 02, 1992

LOCATION NUMBER: 02S03E04BAAD01

LAND-SURFACE ALTITUDE: 4,605

WELL DEPTH: 120

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
FEB 28, 1986	12	M	MAY 25, 1990	12.51	M	FEB 13, 1992	13.34	M
MAR 27	12.5	M	JUN 27	15.98	M	NOV 05	13.25	M
APR 30	10.3	M	OCT 24	13.38	M	MAR 10, 1993	12.50	M
NOV 22, 1989	12.26	M	FEB 07, 1991	13.53	M	MAY 12	11.15	M
JAN 17, 1990	12.05	M	MAY 15	11.20	S	NOV 02	10.85	M
MAR 20	11.17	M	NOV 06	14.20	M			

HIGHEST 10.3 APR 30, 1986

LOWEST 15.98 JUN 27, 1990

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 02S03E06DACD01
LAND-SURFACE ALTITUDE: 4,810
WELL DEPTH: 300
GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
OCT 28, 1992	259.47	S	MAY 03, 1993	260.46	S	NOV 02, 1993	260.69	S
NOV 02	261.17	S	AUG 03	278.39	S			

HIGHEST 259.47 OCT 28, 1992
LOWEST 278.39 AUG 03, 1993

LOCATION NUMBER: 02S04E05BCBB01
LAND-SURFACE ALTITUDE: 4,780
WELL DEPTH: 178
GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 23, 1991	58.00	S	MAY 03, 1993	55.45	S	AUG 03, 1993	59.72	S
NOV 03, 1992	58.07	S	JUL 19	57.79	S	NOV 01	64.70	S

HIGHEST 55.45 MAY 03, 1993
LOWEST 64.70 NOV 01, 1993

LOCATION NUMBER: 02S04E11ADDD01
LAND-SURFACE ALTITUDE: 4,693
WELL DEPTH: 26
GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 11, 1992	12.96	S	MAY 03, 1993	18.42	S	NOV 02, 1993	17.22	S
NOV 03	16.28	S	AUG 02	13.84	S			

HIGHEST 12.96 AUG 11, 1992
LOWEST 18.42 MAY 03, 1993

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 02S04E13CCBC01

LAND-SURFACE ALTITUDE: 4,738

WELL DEPTH: 11

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 21, 1947	3.30	S	SEP 29, 1952	5.60	S	JUL 17, 1958	5.30	S
SEP 10	3.88	S	NOV 07	6.74	S	AUG 22	5.41	S
OCT 20	6.10	S	DEC 03	7.26	S	SEP 10	5.50	S
DEC 31	7.95	S	JAN 06, 1953	8.12	S	NOV 20	5.70	S
FEB 10, 1948	8.50	S	FEB 03	8.25	S	DEC 23	6.50	S
SEP 01	5.77	S	MAR 03	7.74	S	JAN 28, 1959	8.72	S
23	5.96	S	APR 02	8.20	S	FEB 26	9.40	S
OCT 27	6.48	S	MAY 04	7.90	S	APR 10	8.72	S
DEC 01	7.78	S	JUN 02	6.68	S	MAY 23	7.98	S
JAN 04, 1949	7.72	S	JUL 03	3.10	S	JUL 22	3.75	S
MAR 02	8.18	S	AUG 03	4.39	S	AUG 19	6.04	S
31	7.58	S	SEP 02	5.50	S	SEP 15	6.90	S
APR 14	7.46	S	OCT 01	4.81	S	DEC 07	9.23	S
MAY 17	6.65	S	NOV 06	6.52	S	JAN 05, 1960	9.00	S
JUN 15	4.34	S	DEC 02	7.22	S	FEB 26	9.10	S
JUL 27	3.83	S	JAN 05, 1954	8.04	S	MAR 30	8.78	S
OCT 18	4.83	S	SEP 08	3.77	S	MAY 02	8.94	S
NOV 26	7.27	S	NOV 16	7.96	S	JUN 11	6.60	S
JAN 04, 1950	7.75	S	DEC 30	7.76	S	JUL 27	4.45	S
FEB 14	8.48	S	FEB 01, 1955	8.72	S	AUG 26	3.77	S
MAR 08	8.07	S	28	9.33	S	OCT 21	8.10	S
APR 12	7.29	S	MAR 29	9.17	S	DEC 01	9.20	S
MAY 01	7.68	S	APR 26	7.50	S	FEB 03, 1961	9.69	S
JUN 05	6.45	S	MAY 24	7.10	S	APR 03	9.89	S
21	4.68	S	JUN 15	4.62	S	JUN 08	5.82	S
JUL 27	4.02	S	JUL 12	4.03	S	JUL 22	5.73	S
SEP 28	4.91	S	AUG 23	6.05	S	SEP 01	5.50	S
OCT 31	6.17	S	OCT 05	7.35	S	OCT 12	6.24	S
JAN 05, 1951	7.77	S	NOV 04	7.56	S	NOV 15	8.05	S
FEB 02	8.20	S	DEC 14	8.34	S	DEC 19	8.80	S
MAR 01	8.48	S	JAN 26, 1956	9.03	S	JAN 30, 1962	9.69	S
28	7.06	S	FEB 24	9.29	S	FEB 27	9.65	S
MAY 02	7.04	S	MAR 29	6.39	S	MAR 31	7.90	S
26	5.74	S	APR 27	8.56	S	APR 29	9.00	S
30	5.99	S	JUN 06	6.24	S	MAY 31	8.13	S
JUN 12	6.00	S	AUG 14	5.44	S	JUN 26	7.04	S
JUL 06	4.62	S	SEP 13	5.22	S	JUL 25	5.20	S
11	3.98	S	NOV 02	7.65	S	SEP 05	5.00	S
31	3.47	S	DEC 11	8.10	S	OCT 02	6.85	S
AUG 01	3.66	S	JAN 08, 1957	8.40	S	JAN 02, 1963	9.58	S
29	3.77	S	FEB 13	8.55	S	31	9.85	S
SEP 03	3.12	S	MAR 13	8.68	S	FEB 28	10.37	S
OCT 01	5.98	S	APR 02	8.38	S	MAR 26	10.08	S
NOV 01	6.38	S	MAY 10	7.83	S	APR 25	9.42	S
DEC 04	7.35	S	JUL 19	5.24	S	MAY 24	8.87	S
JAN 11, 1952	7.63	S	AUG 14	5.96	S	JUN 23	6.58	S
FEB 04	8.44	S	OCT 18	7.25	S	JUL 23	4.23	S
MAR 07	8.53	S	JAN 10, 1958	9.03	S	AUG 27	4.46	S
APR 04	7.74	S	FEB 17	9.38	S	OCT 09	6.81	S
MAY 05	5.41	S	MAR 20	9.48	S	NOV 22	7.47	S
JUN 04	4.92	S	APR 24	9.18	S	JAN 05, 1964	8.34	S
27	2.54	S	MAY 15	8.74	S	29	8.64	S
AUG 06	4.09	S	JUN 04	5.35	S	FEB 26	8.93	S
SEP 05	4.80	S	17	5.15	S	MAR 27	9.14	S

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 02S04E13CCBC01 (Continued)

LAND-SURFACE ALTITUDE: 4,738

WELL DEPTH: 11

GEOLOGIC UNIT: Qa1

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
APR 28, 1964	8.84	S	JUL 12, 1969	6.15	S	OCT 04, 1974	6.53	S
JUN 04	7.96	S	OCT 03	5.12	S	NOV 01	7.30	S
JUL 21	5.47	S	NOV 12	7.12	S	DEC 05	8.00	S
AUG 26	4.36	S	DEC 15	8.37	S	31	7.20	S
OCT 07	7.25	S	31	8.83	S	FEB 08, 1975	8.50	S
NOV 18	8.71	S	FEB 04, 1970	8.99	S	APR 01	8.13	S
DEC 31	9.22	S	24	9.35	S	27	6.33	S
JAN 27, 1965	9.27	S	MAR 31	9.15	S	29	7.26	S
FEB 24	9.43	S	APR 28	9.13	S	JUN 03	7.25	S
MAR 27	9.80	S	JUL 07	6.09	S	AUG 02	4.62	S
APR 28	9.16	S	AUG 18	5.36	S	SEP 04	4.85	S
MAY 27	8.48	S	SEP 11	4.09	S	OCT 01	6.42	S
JUN 15	6.96	S	OCT 27	7.01	S	NOV 06	6.23	S
JUL 13	4.27	S	NOV 12	7.87	S	DEC 04	6.92	S
AUG 17	3.35	S	DEC 14	8.78	S	30	7.15	S
SEP 27	3.89	S	JAN 06, 1971	8.48	S	JAN 30, 1976	7.64	S
OCT 26	7.03	S	FEB 20	10.40	S	MAR 01	8.67	S
DEC 02	8.21	S	MAR 22	8.08	S	31	8.35	S
JAN 03, 1966	8.36	S	APR 25	9.60	S	APR 30	6.73	S
FEB 04	8.71	S	MAY 31	7.20	S	MAY 24	6.92	S
23	8.93	S	JUL 02	6.51	S	JUL 02	3.92	S
MAR 28	9.07	S	AUG 03	4.40	S	AUG 02	3.93	S
MAY 04	10.0	S	SEP 22	4.98	S	SEP 03	5.25	S
24	8.00	S	OCT 21	7.18	S	OCT 08	5.48	S
JUN 20	5.61	S	JAN 11, 1972	8.94	S	NOV 16	6.95	S
JUL 26	5.27	S	FEB 25	8.95	S	DEC 30	8.40	S
SEP 03	5.8	S	APR 26	8.44	S	JAN 25, 1977	8.55	S
OCT 05	6.48	S	MAY 23	7.48	S	FEB 23	8.90	S
25	6.43	S	JUN 27	5.44	S	MAR 25	8.78	S
NOV 21	7.63	S	AUG 09	3.73	S	APR 27	8.15	S
DEC 28	8.59	S	OCT 03	5.21	S	JUN 03	4.95	S
JAN 29, 1967	8.89	S	NOV 15	6.61	S	29	5.30	S
FEB 10,	9.11	S	JAN 05, 1973	7.86	S	JUL 26	4.93	S
APR 01	8.10	S	FEB 06	8.79	S	AUG 25	5.80	S
MAY 03	9.25	S	25	9.08	S	NOV 16	7.11	S
27	7.98	S	28	8.47	S	DEC 20	7.55	S
JUN 14	5.62	S	APR 04	8.44	S	JAN 25, 1978	8.03	S
27	5.22	S	MAY 02	7.98	S	FEB 28	8.60	S
AUG 05	3.88	S	23	7.44	S	JUL 12	4.49	S
SEP 30	5.23	S	JUN 06	5.37	S	AUG 09	4.90	S
OCT 06	4.25	S	JUL 11	5.12	S	SEP 07	5.68	S
NOV 22	7.70	S	AUG 07	3.75	S	OCT 05	6.32	S
DEC 08	8.27	S	SEP 05	3.30	S	NOV 13	6.22	S
JAN 28, 1968	8.77	S	OCT 02	5.88	S	DEC 19	6.46	S
FEB 05	8.00	S	NOV 06	6.97	S	JAN 31, 1979	8.48	S
MAR 01	8.36	S	DEC 04	8.01	S	MAR 07	8.50	S
APR 10	8.85	S	JAN 10, 1974	8.43	S	JUN 07	5.65	S
JUN 04	6.80	S	29	7.68	S	JUL 25	5.11	S
AUG 26	3.46	S	FEB 26	8.66	S	AUG 23	5.67	S
SEP 04	4.29	S	APR 04	8.22	S	OCT 04	6.14	S
NOV 08	7.38	S	24	8.72	S	NOV 15	8.01	S
30	7.28	S	30	8.65	S	DEC 18	8.48	S
JAN 01, 1969	8.71	S	JUN 05	6.09	S	FEB 01, 1980	8.65	S
FEB 02	8.80	S	JUL 10	4.93	S	MAR 20	6.97	S
MAR 01	9.45	S	AUG 06	3.79	S	MAY 01	7.10	S
APR 11	7.80	S	SEP 05	5.30	S	JUL 25	5.11	S

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 02S04E13CCBC01 (Continued)

LAND-SURFACE ALTITUDE: 4,738

WELL DEPTH: 11

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
SEPT 04, 1980	4.05	S	JAN 05, 1982	8.78	S	JUN 23, 1991	7.55	S
OCT 20	6.80	S	FEB 17	7.99	S	NOV 03, 1992	6.87	S
DEC 11	9.14	S	MAR 31	7.93	S	DEC 07	7.22	S
JAN 13, 1981	8.80	S	MAY 13	7.95	S	JAN 05, 1993	8.28	S
MAR 04	9.93	S	JUN 24	5.09	S	APR 15	8.69	S
APR 13	9.63	S	AUG 04	4.57	S	MAY 03	6.93	S
MAY 28	4.27	S	SEP 13	5.32	S	JUN 11	5.85	S
JUL 09	5.96	S	OCT 20	7.82	S	JUL 09	5.60	S
AUG 19	5.50	S	DEC 01	8.02	S	AUG 03	6.88	S
SEP 29	6.20	S	JAN 11, 1983	8.08	S	SEP 08	8.06	S
NOV 18	8.05	S	FEB 16	8.89	S	OCT 05	8.49	S
						NOV 01	7.97	S

HIGHEST 2.54 JUN 27, 1952

LOWEST 10.40 FEB 20, 1971

LOCATION NUMBER: 02S04E16BCCA01

LAND-SURFACE ALTITUDE: 4,983

WELL DEPTH: 148

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 11, 1992	108.25	S	MAY 03, 1993	120.34	S	NOV 02, 1993	109.82	S
NOV 02	124.55	S	AUG 03	114.93	S			

HIGHEST 108.25 AUG 11, 1992

LOWEST 124.55 NOV 02, 1992

LOCATION NUMBER: 02S04E29CDDC01

LAND-SURFACE ALTITUDE: 5,221

WELL DEPTH: 56

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 23, 1991	39.35	S	NOV 02, 1992	48.16	S

HIGHEST 39.35 JUN 23, 1991

LOWEST 48.16 NOV 02, 1992

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 02S04E35ABBB01

LAND-SURFACE ALTITUDE: 4,825

WELL DEPTH: 31

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 17, 1992	4.78	S	NOV 02, 1992	6.74	S	AUG 03, 1993	6.13	S
SEP 10	4.83	S	MAY 03, 1993	6.93	S	NOV 01	8.54	S

HIGHEST 4.78 AUG 17, 1992

LOWEST 8.54 NOV 01, 1993

LOCATION NUMBER: 02S05E05ABBD01

LAND-SURFACE ALTITUDE: 4,686

WELL DEPTH: 70

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 23, 1991	2.79	S	MAY 04, 1993	2.38	S	NOV 01, 1993	2.29	S
NOV 03, 1992	2.17	S	AUG 02	1.23	S			

HIGHEST 1.23 AUG 02, 1993

LOWEST 2.79 JUN 23, 1991

LOCATION NUMBER: 02S05E10AABB01

LAND-SURFACE ALTITUDE: 4,785

WELL DEPTH: 55

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 18, 1992	10.41	S	MAY 03, 1993	8.57	S	NOV 01, 1993	10.17	S
NOV 03	10.28	S	AUG 02	8.82	S			

HIGHEST 8.57 MAY 03, 1993

LOWEST 10.41 AUG 18, 1992

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 02S05E11ADAB01
LAND-SURFACE ALTITUDE: 4,810
WELL DEPTH: 100
GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
OCT 24, 1988	12.80	S	FEB 25, 1993	22.85	S	AUG 02, 1993	10.83	S
NOV 05, 1992	14.68	S	APR 15	18.44	S	SEP 08	12.91	S
DEC 07	16.47	S	MAY 03	15.49	S	OCT 05	13.91	S
JAN 04, 1993	18.53	S	JUN 11	13.20	S	NOV 01	15.39	S
FEB 02	21.77	S	JUL 09	11.81	S			

HIGHEST 10.83 AUG 02, 1993
LOWEST 22.85 FEB 25, 1993

LOCATION NUMBER: 02S05E12DACC01
LAND-SURFACE ALTITUDE: 4,835
WELL DEPTH: 80
GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
NOV 05, 1992	25.55	S	AUG 02, 1993	22.70	S	NOV 01, 1993	24.47	S
MAY 03, 1993	26.42	S						

HIGHEST 22.70 AUG 02, 1993
LOWEST 26.42 MAY 03, 1993

LOCATION NUMBER: 02S05E17BBAA01
LAND-SURFACE ALTITUDE: 4,810
WELL DEPTH: 39
GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 18, 1992	18.65	S	MAY 03, 1993	20.32	S	NOV 01, 1993	19.06	S
NOV 03	18.90	S	AUG 03	15.69	S			

HIGHEST 15.69 AUG 03, 1993
LOWEST 20.32 MAY 03, 1993

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 02S05E20DDCC01

LAND-SURFACE ALTITUDE: 4,945

WELL DEPTH: 30

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 23, 1991	5.22	S	MAY 04, 1993	9.85	S	NOV 01, 1993	11.09	S
NOV 03, 1992	10.52	S	AUG 02	7.03	S			

HIGHEST 5.22 JUN 23, 1991

LOWEST 11.09 NOV 01, 1993

LOCATION NUMBER: 02S05E22CCDC01

LAND-SURFACE ALTITUDE: 4,995

WELL DEPTH: 165

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
MAR 09, 1953	10.78	S	DEC 07, 1992	11.09	S	JUL 09, 1993	7.55	S
AUG 13, 1992	9.60	S	APR 15, 1993	9.53	S	AUG 02	10.06	S
SEP 16	9.91	S	MAY 04	9.05	S	SEP 08	10.77	S
NOV 03	10.78	S	JUN 11	9.09	S	OCT 05	10.31	S

HIGHEST 7.55 JUL 09, 1993

LOWEST 11.09 DEC 07, 1992

LOCATION NUMBER: 02S05E23AADD01

LAND-SURFACE ALTITUDE: 4,962

WELL DEPTH: 49

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 19, 1992	5.89	S	MAY 03, 1993	9.45	S	NOV 01, 1993	11.43	S
NOV 03	11.88	S	AUG 02	10.99	S			

HIGHEST 5.89 AUG 19, 1992

LOWEST 11.88 NOV 03, 1992

LOCATION NUMBER: 02S05E31ADDA01

LAND-SURFACE ALTITUDE: 4,078

WELL DEPTH: 125

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 17, 1992	30.58	S	NOV 02, 1992	22.97	S

HIGHEST 22.97 NOV 02, 1992

LOWEST 30.58 AUG 17, 1992

Tabla 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 02S05E35DCDC01
 LAND-SURFACE ALTITUDE: 5,203
 WELL DEPTH: 156
 GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
MAY 14, 1951	35.68	S	FEB 02, 1993	29.63	S	AUG 02, 1993	27.65	S
AUG 03, 1953	21.50	S	25	31.04	S	SEP 08	31.20	S
NOV 04, 1992	18.92	S	APR 15	43.13	S	OCT 05	33.48	S
DEC 07	26.09	S	MAY 03	43.99	S	NOV 01	30.99	S
JAN 04, 1993	25.43	S	JUL 09	25.53	S			

HIGHEST 18.92 NOV 04, 1992
 LOWEST 43.99 MAY 03, 1993

LOCATION NUMBER: 02S05E36BACD01
 LAND-SURFACE ALTITUDE: 5,111
 WELL DEPTH: 138
 GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
OCT 26, 1988	11.31	S	MAY 04, 1993	13.35	S	NOV 01, 1993	11.56	S
NOV 04, 1992	15.80	S	AUG 02	8.69	S			

HIGHEST 8.69 AUG 02, 1993
 LOWEST 15.80 NOV 04, 1992

LOCATION NUMBER: 02S06E08ADDA01
 LAND-SURFACE ALTITUDE: 5,090
 WELL DEPTH: 550
 GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 24, 1992	223.05	S	MAY 04, 1993	223.82	S	AUG 04, 1993	220.06	S
NOV 04	220.68	S	AUG 02	279.38	SR	NOV 01	222.99	S

HIGHEST 220.06 AUG 04, 1993
 LOWEST 279.38 AUG 02, 1993

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 02S06E19BBBB01

LAND-SURFACE ALTITUDE: 4,919

WELL DEPTH:

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
OCT 27, 1992	23.59	S	FEB 25, 1993	24.28	S	AUG 02, 1993	23.29	S
NOV 05	23.70	S	APR 15	25.74	S	SEP 08	23.61	S
DEC 07	23.85	S	MAY 03	23.03	S	OCT 05	23.96	S
JAN 04, 1993	23.71	S	JUN 11	22.99	S	NOV 01	23.83	S
FEB 02	23.97	S	JUL 09	23.00	S			

HIGHEST 22.99 JUN 11, 1993

LOWEST 25.74 APR 15, 1993

LOCATION NUMBER: 02S06E20CABD01

LAND-SURFACE ALTITUDE: 5,100

WELL DEPTH: 300

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 22, 1991	140.90	S	MAY 04, 1993	182.58	S	AUG 02, 1993	167.70	S
NOV 03, 1992	168.63	S	JUL 20	121.58	S	NOV 01	168.89	S

HIGHEST 121.58 JUL 20, 1993

LOWEST 182.58 MAY 04, 1993

LOCATION NUMBER: 02S06E26DDBA01

LAND-SURFACE ALTITUDE: 5,150

WELL DEPTH: 70

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 23, 1991	23.26	S	MAY 04, 1993	26.98	S	NOV 01, 1993	19.86	S
NOV 03, 1992	22.16	S	AUG 02	23.38	S			

HIGHEST 19.86 NOV 01, 1993

LOWEST 26.98 MAY 04, 1993

LOCATION NUMBER: 02S06E33ADAC01

LAND-SURFACE ALTITUDE: 5,420

WELL DEPTH: 176

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 22, 1991	88.37	S	NOV 03, 1992	88.91	S	MAY 04, 1993	89.16	S

HIGHEST 88.37 JUN 22, 1991

LOWEST 89.16 MAY 04, 1993

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 02S06E33BDDC01

LAND-SURFACE ALTITUDE: 5,435

WELL DEPTH: 159

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 22, 1991	31.71	S	FEB 25, 1993	35.43	S	AUG 02, 1993	25.13	S
NOV 03, 1992	24.82	S	APR 15	31.34	S	SEP 08	28.22	S
DEC 07	27.60	S	MAY 04	25.08	S	OCT 05	28.22	S
JAN 04, 1993	31.74	S	JUN 11	24.17	S	NOV 01	31.81	S
FEB 02	34.06	S	JUL 09	24.53	S			

HIGHEST 24.17 JUN 11, 1993

LOWEST 35.43 FEB 25, 1993

LOCATION NUMBER: 03S04E02DCAD01

LAND-SURFACE ALTITUDE: 4,940

WELL DEPTH: 48

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 04, 1992	26.95	S	MAY 03, 1993	37.91	S	NOV 02, 1993	23.72	S
NOV 02	33.83	S	AUG 03	25.24	S			

HIGHEST 23.72 NOV 02, 1993

LOWEST 37.91 MAY 03, 1993

LOCATION NUMBER: 03S04E09ABBC01

LAND-SURFACE ALTITUDE: 4,955

WELL DEPTH: 96

GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 29, 1992	23.99	S	FEB 02, 1993	29.51	S	JUL 09, 1993	25.59	S
SEP 11	25.09	S	25	29.60	S	AUG 03	26.37	S
NOV 02	27.56	S	APR 15	29.21	S	SEP 08	27.49	S
DEC 07	28.26	S	MAY 03	28.87	S	OCT 05	27.98	S
JAN 05, 1993	29.07	S	JUN 11	25.29	S	NOV 01	27.55	S

HIGHEST 23.99 JUL 29, 1992

LOWEST 29.60 FEB 25, 1993

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 03S04E11CBBA01
LAND-SURFACE ALTITUDE: 4,910
WELL DEPTH: 40
GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 18, 1991	5.48	S	MAY 03, 1993	6.88	S	NOV 01, 1993	6.64	S
NOV 02, 1992	6.69	S	AUG 03	5.45	S			

HIGHEST 5.45 AUG 03, 1993

LOWEST 6.88 MAY 03, 1993

LOCATION NUMBER: 03S04E23AADC01
LAND-SURFACE ALTITUDE: 5,460
WELL DEPTH: 208
GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 29, 1992	130.02	S	MAY 03, 1993	130.73	S	NOV 01, 1993	128.86	S
NOV 02	129.38	S	AUG 03	128.41	S			

HIGHEST 128.41 AUG 03, 1993

LOWEST 130.73 MAY 03, 1993

LOCATION NUMBER: 03S04E25DBBD01
LAND-SURFACE ALTITUDE: 5,285
WELL DEPTH: 50
GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 18, 1991	15.81	S	APR 15, 1993	18.21	S	SEP 08, 1993	17.71	S
NOV 02, 1992	20.29	S	MAY 03	17.42	S	OCT 05	18.71	S
JAN 05, 1993	19.87	S	JUN 11	15.86	S	NOV 01	18.70	S
FEB 02	19.46	S	JUL 09	17.70	S			
25	19.94	S	AUG 03	15.69	S			

HIGHEST 15.69 AUG 03, 1993

LOWEST 20.29 NOV 02, 1992

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 03S04E32DADA01
 LAND-SURFACE ALTITUDE: 5,150
 WELL DEPTH: 71
 GEOLOGIC UNIT: Ts

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 18, 1991	53.28	S	MAY 03, 1993	50.21	S	NOV 02, 1993	53.95	S
NOV 02, 1992	55.74	S	AUG 03	52.36	S			

HIGHEST 50.21 MAY 03, 1993
 LOWEST 55.74 NOV 02, 1992

LOCATION NUMBER: 03S04E34ABBB01
 LAND-SURFACE ALTITUDE: 5,122
 WELL DEPTH: 92
 GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUL 28, 1992	46.11	S	NOV 02, 1992	46.11	S	AUG 03, 1993	49.96	S
SEP 17	45.56	S	MAY 03, 1993	47.86	S	NOV 01	44.04	S

HIGHEST 44.04 NOV 01, 1993
 LOWEST 49.96 AUG 03, 1993

LOCATION NUMBER: 03S04E36BABB01
 LAND-SURFACE ALTITUDE: 5,487
 WELL DEPTH: 312
 GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 18, 1991	233.40	S	MAY 03, 1993	234.04	S	NOV 02, 1993	240.29	S
NOV 02, 1992	253.08	S	AUG 03	232.98	S			

HIGHEST 232.98 AUG 03, 1993
 LOWEST 253.08 NOV 02, 1992

LOCATION NUMBER: 03S05E04AAAD01
 LAND-SURFACE ALTITUDE: 5,170
 WELL DEPTH: 54
 GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 19, 1992	4.79	S	MAY 03, 1993	6.35	S	NOV 01, 1993	9.43	S
NOV 02	4.79	S	AUG 03	6.90	S			

HIGHEST 4.79 AUG 19, 1992 NOV 02, 1992
 LOWEST 9.43 NOV 01, 1993

Table 1. Records of water levels, Gallatin Valley, southwestern Montana (Continued)

LOCATION NUMBER: 03S05E07BCCC01

LAND-SURFACE ALTITUDE: 5,100

WELL DEPTH: 36

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 18, 1991	3.87	S	MAY 03, 1993	13.91	S	AUG 03, 1993	7.36	S
NOV 02, 1992	12.48	S	JUL 21	6.30	S	NOV 02	11.79	S

HIGHEST 3.87 JUN 18, 1991

LOWEST 13.91 MAY 03, 1993

LOCATION NUMBER: 03S05E10CCCB01

LAND-SURFACE ALTITUDE: 5,312

WELL DEPTH: 70

GEOLOGIC UNIT: QTa

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
JUN 22, 1991	41.66	S	MAY 04, 1993	39.58	S	NOV 02, 1993	34.41	S
NOV 02, 1992	31.91	S						

HIGHEST 31.91 NOV 02, 1992

LOWEST 41.66 JUN 22, 1991

LOCATION NUMBER: 03S05E21BBBA01

LAND-SURFACE ALTITUDE: 5,375

WELL DEPTH: 22

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 04, 1992	8.27	S	NOV 02, 1992	12.67	S	AUG 03, 1993	10.18	S
SEP 11	6.35	S	MAY 03, 1993	7.38	S	NOV 02	12.48	S

HIGHEST 6.35 SEP 11, 1992

LOWEST 12.67 NOV 02, 1992

LOCATION NUMBER: 03S06E05CBAA01

LAND-SURFACE ALTITUDE: 5,230

WELL DEPTH: 128

GEOLOGIC UNIT: Qal

DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC	DATE	WATER LEVEL	AC
AUG 19, 1992	82.14	S	MAY 09, 1993	92.03	S	AUG 02, 1993	81.85	S
NOV 03	83.95	S	JUL 20	81.95	S	NOV 01	83.42	S

HIGHEST 81.85 AUG 02, 1993

LOWEST 92.03 MAY 09, 1993