

Water-Data Report 2007

450937112393701 Local number 08S09W01CCCC01

Sediments

Beaverhead County, MT

LOCATION.--Lat 45°09'37", long 112°39'37" referenced to North American Datum of 1927, in SW ¼ SW ¼ SW ¼ sec.1, T.8 S., R.9 W., Beaverhead County, MT, Hydrologic Unit 10020002, Owner: U.S. Geological Survey.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 47 ft. Upper casing diameter 6 in., top of first opening undefined, bottom of last opening undefined. Drilled in 1966.

DATUM.--Land-surface datum is 5237 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of recorder shelter floor, 2.15 ft above land-surface datum, July 2, 1979, to present. Reference point established Dec. 16, 2003: rebar 20 ft west of well by power pole, 1.34 ft below top of well casing.

PERIOD OF RECORD.--August 1966 to current year.

GAGE.--Graphical water-level recorder from April 1967 to January 1981. Digital water-level recorder set to record every hour from July 1991 to current year.

REMARKS.--Water levels affected by irrigation. Nearby irrigation canal used during the summer of 2004. All water levels reported below land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Highest instantaneous water level, 10.43 ft, Aug. 10, 1971 (from recorder); lowest, 39.11 ft, Oct. 11, 2004 (from recorder).

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 29.57 ft, July 24 (from recorder); lowest, 33.59 ft, Feb. 4 and 5, (from recorder).

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked; . Water-level status: --, static.]

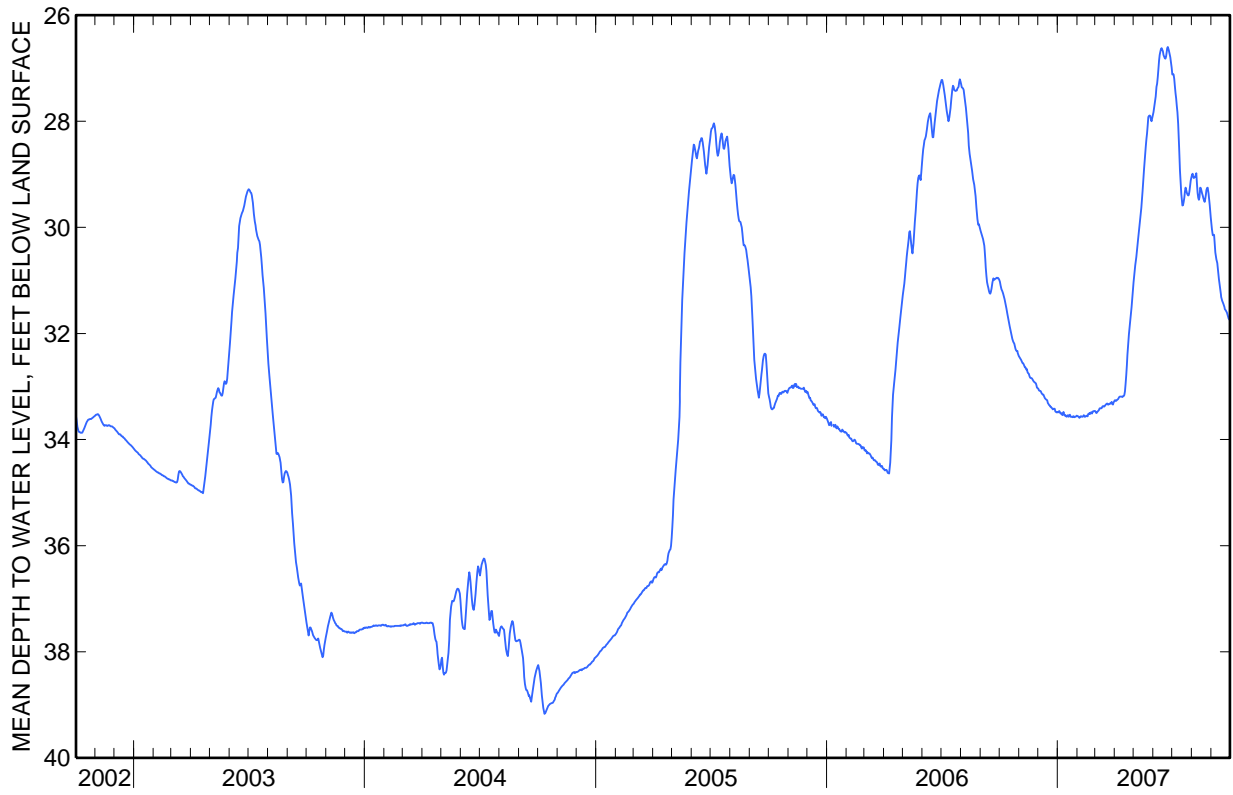
Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 17	31.90	V	--	May 22	28.27	V	--
Jan 25	33.57	V	--	Jun 27	26.67	V	--
Mar 17	33.37	V	--	Sep 5	30.12	V	--
Apr 23	32.10	V	--				

450937112393701 Local number 08S09W01CCCC01—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	31.01	32.45	33.04	33.49	33.56	33.46	33.26	31.00	27.82	27.12	29.01	29.95
2	31.07	32.46	33.07	33.48	33.56	33.49	33.26	30.86	27.78	27.11	28.99	30.05
3	31.13	32.48	33.08	33.46	33.57	33.50	33.27	30.75	27.73	27.12	29.04	30.15
4	31.17	32.51	33.08	33.48	33.59	33.48	33.26	30.66	27.63	27.20	29.07	30.14
5	31.20	32.53	33.09	33.51	33.58	33.47	33.25	30.56	27.45	27.34	29.06	30.14
6	31.23	32.56	33.12	33.50	33.56	33.46	33.24	30.45	27.35	27.47	29.05	30.31
7	31.27	32.56	33.14	33.52	33.56	33.43	33.22	30.33	27.29	27.57	29.02	30.48
8	31.33	32.58	33.15	33.54	33.57	33.41	33.20	30.19	27.17	27.71	28.98	30.56
9	31.38	32.61	33.15	33.52	33.57	33.41	33.19	30.05	27.02	27.83	29.18	30.62
10	31.43	32.64	33.18	33.48	33.56	33.41	33.19	29.97	26.86	28.01	29.35	30.67
11	31.49	32.64	33.21	33.53	33.54	33.41	33.19	29.89	26.75	28.31	29.44	30.78
12	31.56	32.68	33.23	33.55	33.57	33.39	33.19	29.74	26.69	28.58	29.48	30.89
13	31.63	32.67	33.24	33.54	33.57	33.37	33.20	29.61	26.64	28.83	29.43	30.98
14	31.69	32.73	33.25	33.56	33.56	33.37	33.18	29.49	26.62	29.08	29.25	31.09
15	31.75	32.75	33.26	33.57	33.55	33.38	33.18	29.32	26.65	29.33	29.26	31.18
16	31.81	32.76	33.31	33.55	33.56	33.37	33.16	29.14	26.68	29.52	29.31	31.27
17	31.90	32.80	33.33	33.54	33.56	33.35	33.09	28.96	26.75	29.59	29.36	31.34
18	31.95	32.83	33.35	33.57	33.52	33.34	32.95	28.80	26.78	29.58	29.40	31.39
19	31.99	32.84	33.36	33.55	33.52	33.33	32.79	28.64	26.81	29.52	29.45	31.42
20	32.04	32.84	33.38	33.53	33.50	33.32	32.60	28.48	26.82	29.44	29.49	31.45
21	32.10	32.85	33.38	33.57	33.52	33.34	32.40	28.34	26.78	29.32	29.52	31.48
22	32.14	32.87	33.40	33.57	33.49	33.34	32.22	28.23	26.69	29.25	29.46	31.54
23	32.17	32.89	33.41	33.57	33.49	33.33	32.08	28.08	26.62	29.30	29.38	31.56
24	32.19	32.91	33.43	33.58	33.51	33.33	31.96	27.92	26.60	29.35	29.30	31.57
25	32.24	32.92	33.42	33.56	33.47	33.31	31.82	27.90	26.65	29.38	29.26	31.60
26	32.29	32.93	33.42	33.56	33.47	33.32	31.71	27.89	26.68	29.40	29.25	31.63
27	32.32	32.94	33.42	33.58	33.46	33.29	31.58	27.90	26.73	29.39	29.30	31.68
28	32.33	32.98	33.47	33.57	33.46	33.33	31.43	27.96	26.82	29.32	29.42	31.72
29	32.33	33.02	33.48	33.57	---	33.34	31.28	28.00	26.89	29.22	29.57	31.72
30	32.39	33.03	33.49	33.56	---	33.30	31.14	27.96	26.99	29.12	29.72	31.76
31	32.42	---	33.48	33.55	---	33.28	---	27.88	---	29.06	29.84	---
Max	32.42	33.03	33.49	33.58	33.59	33.50	33.27	31.00	27.82	29.59	29.84	31.76
Min	31.01	32.45	33.04	33.46	33.46	33.28	31.14	27.88	26.60	27.11	28.98	29.95

450937112393701 Local number 08S09W01CCCC01—Continued





Water-Data Report 2007

450524112380701 Local number 08S08W31CCAA01

Sediments

Beaverhead County, MT

LOCATION.--Lat 45°05'24", long 112°38'07" referenced to North American Datum of 1927, in NE ¼ SW ¼ SW ¼ sec.31, T.8 S., R.8 W., Beaverhead County, MT, Hydrologic Unit 10020002.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 217 ft. Upper casing diameter 5 in., top of first opening 207 ft, bottom of last opening 217 ft. Drilled December 1992.

DATUM.--Land-surface datum is 5520.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of PVC cap, 2.0 ft above land-surface datum, Feb. 3, 2000, to present. Reference point established May 20, 1999: top of steel rod near well casing along fence line, 8.71 ft below measuring point.

PERIOD OF RECORD.--Measured periodically from December 1992 to November 1997 and continuously recorded every 4 hours from November 1997 to Aug. 1, 2003; data recorder hourly from Aug. 1, 2003 to current year.

GAGE.--Digital water-level recorder set to record every 4 hours from November 1997 to Aug. 1, 2003. Pressure transducer, data logger, and satellite transmitter, with data recorded hourly and transmitted every 4 hours, from Aug. 1, 2003 to current year.

REMARKS.--All water levels reported below land-surface datum. Satellite transmitter was inoperable and being repaired from May 12 to Aug. 1, 2005.

EXTREMES FOR PERIOD OF RECORD.--Highest instantaneous water level, 138.72 ft, Oct. 23, 1995 (measured); lowest, 171.50 ft, Oct. 29, 2003 (from recorder)

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 164.74 ft, June 25-27 (from recorder); lowest, 166.22 ft, March 13 (from recorder).

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked; . Water-level status: --, static.]

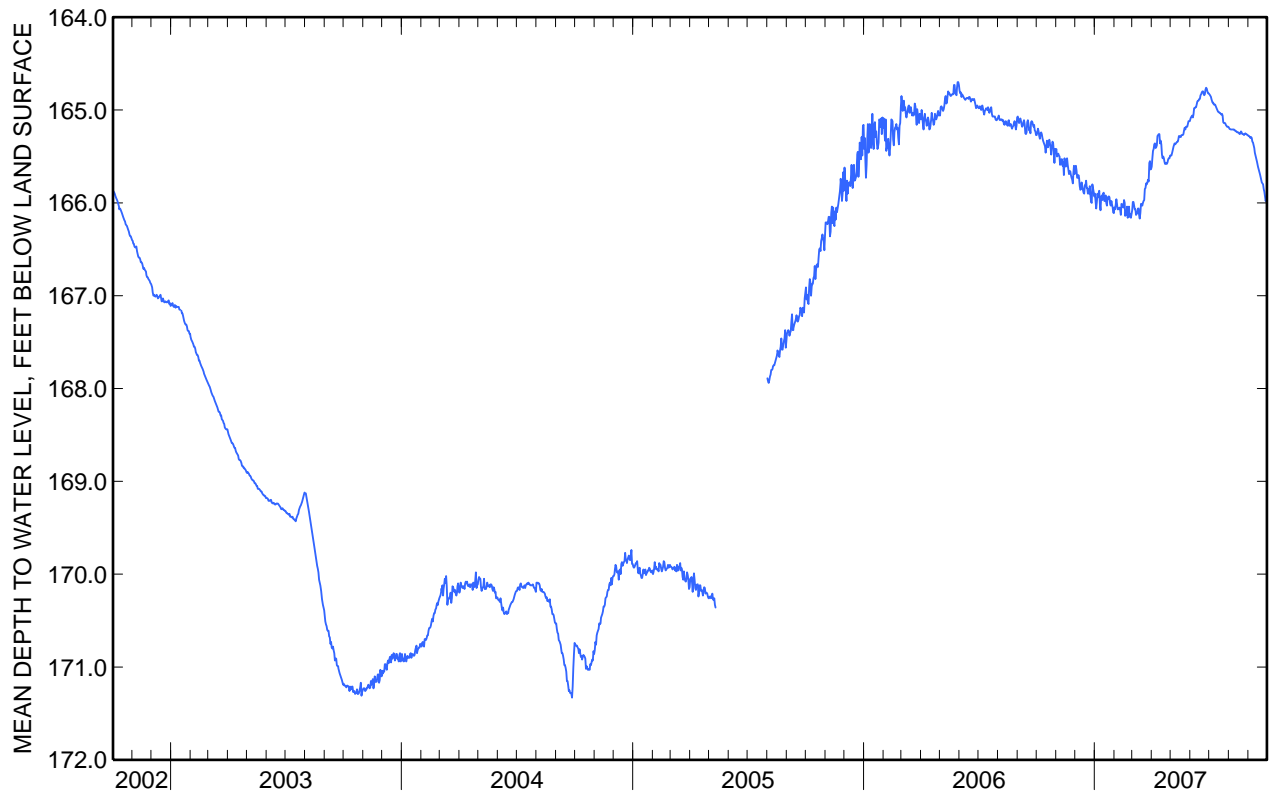
Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 17	165.31	V	--	Apr 23	165.55	V	--
Jan 25	166.00	V	--	May 22	165.23	V	--
Mar 13	166.18	V	--	Jun 27	164.75	V	--
Apr 11	165.28	V	--	Sep 5	165.29	V	--
			--				

450524112380701 Local number 08S08W31CCAA01—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	165.27	165.42	165.67	165.90	166.05	166.08	165.61	165.49	165.10	164.83	165.19	165.28
2	165.24	165.50	165.60	165.98	166.07	165.99	165.52	165.49	165.08	164.84	165.20	165.28
3	165.20	165.49	165.65	166.06	166.02	165.99	165.44	165.46	165.07	164.85	165.21	165.29
4	165.23	165.47	165.73	165.99	165.96	166.03	165.42	165.44	165.06	164.87	165.21	165.30
5	165.28	165.49	165.73	165.90	166.01	166.07	165.37	165.40	165.08	164.90	165.21	165.29
6	165.31	165.50	165.70	165.94	166.07	166.07	165.36	165.38	165.05	164.92	165.21	165.30
7	165.25	165.59	165.73	165.91	166.07	166.13	165.41	165.36	164.98	164.92	165.21	165.34
8	165.24	165.58	165.82	165.87	166.06	166.12	165.40	165.37	164.98	164.94	165.21	165.35
9	165.26	165.53	165.86	166.01	166.05	166.11	165.38	165.36	164.97	164.94	165.21	165.38
10	165.30	165.53	165.85	166.08	166.08	166.06	165.28	165.35	164.97	164.94	165.22	165.41
11	165.33	165.60	165.78	165.94	166.13	166.06	165.27	165.34	164.94	164.96	165.22	165.46
12	165.35	165.56	165.82	165.92	166.01	166.13	165.26	165.34	164.91	164.97	165.23	165.49
13	165.37	165.70	165.86	165.97	166.02	166.17	165.26	165.32	164.90	164.99	165.23	165.51
14	165.39	165.52	165.89	165.90	166.02	166.11	165.36	165.28	164.90	165.00	165.24	165.55
15	165.46	165.59	165.90	165.89	166.05	166.01	165.33	165.28	164.88	165.02	165.24	165.57
16	165.41	165.61	165.81	165.98	165.97	166.01	165.37	165.29	164.88	165.02	165.24	165.61
17	165.33	165.55	165.81	165.98	166.00	166.03	165.48	165.29	164.84	165.03	165.25	165.63
18	165.35	165.52	165.76	165.92	166.14	166.00	165.52	165.27	164.83	165.03	165.26	165.66
19	165.40	165.59	165.84	166.00	166.10	165.98	165.50	165.27	164.81	165.04	165.25	165.69
20	165.36	165.64	165.84	166.03	166.13	165.97	165.52	165.27	164.80	165.05	165.23	165.73
21	165.32	165.69	165.90	165.94	166.04	165.85	165.55	165.26	164.80	165.04	165.24	165.74
22	165.36	165.66	165.85	165.96	166.16	165.84	165.58	165.22	164.83	165.06	165.26	165.78
23	165.41	165.66	165.90	165.93	166.09	165.79	165.57	165.19	164.84	165.13	165.26	165.79
24	165.48	165.70	165.82	165.94	166.04	165.80	165.58	165.21	164.83	165.14	165.26	165.80
25	165.39	165.73	165.92	166.01	166.15	165.78	165.58	165.18	164.78	165.14	165.27	165.85
26	165.34	165.75	165.99	166.03	166.12	165.75	165.56	165.18	164.76	165.14	165.26	165.88
27	165.36	165.79	166.00	165.98	166.16	165.77	165.53	165.18	164.77	165.16	165.25	165.93
28	165.45	165.69	165.80	166.02	166.12	165.57	165.52	165.15	164.80	165.17	165.26	165.98
29	165.57	165.60	165.84	166.05	---	165.55	165.52	165.12	164.82	165.18	165.26	165.95
30	165.42	165.69	165.88	166.10	---	165.64	165.49	165.12	164.82	165.18	165.27	165.99
31	165.44	---	165.93	166.11	---	165.63	---	165.12	---	165.18	165.27	---
Max	165.57	165.79	166.00	166.11	166.16	166.17	165.61	165.49	165.10	165.18	165.27	165.99
Min	165.20	165.42	165.60	165.87	165.96	165.55	165.26	165.12	164.76	164.83	165.19	165.28

450524112380701 Local number 08S08W31CCA01—Continued



Water-Data Report 2007

454302108392001 Local number 01S25E28CBAC01

Big Horn County, MT

LOCATION.--Lat 45°43'02", long 108°39'20" referenced to North American Datum of 1927, Big Horn County, MT, Hydrologic Unit is unknown.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 13 ft. Upper casing diameter 2 in, top of first opening undefined, bottom of last opening undefined.

DATUM.--Land-surface datum is 3268 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF CASING, 1.0 ft above land-surface datum, April 2004 to Oct. 4, 2006; Top of recorder shelf, 1.0 ft above land-surface datum., 1.0 ft above land-surface datum, Oct. 4, 2006, to present. Top of recorder shelf, 1.0 ft above land-surface datum from Oct. 4, 2006 to present.

PERIOD OF RECORD.-- April 2001 to current year.

GAGE.--Measured monthly from April. 2000 to Oct. 4, 2006. Digital recorder set to record ever hour from Oct. 4 2006 to current year.

REMARKS.--All water levels reported below land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--

Highest instantenous water level, 2.25 ft. June 13, 2001 (measured); lowest, 6.05 ft. June 25 and 26, 2007 (from recorder).

EXTREMES FOR CURRENT YEAR.--

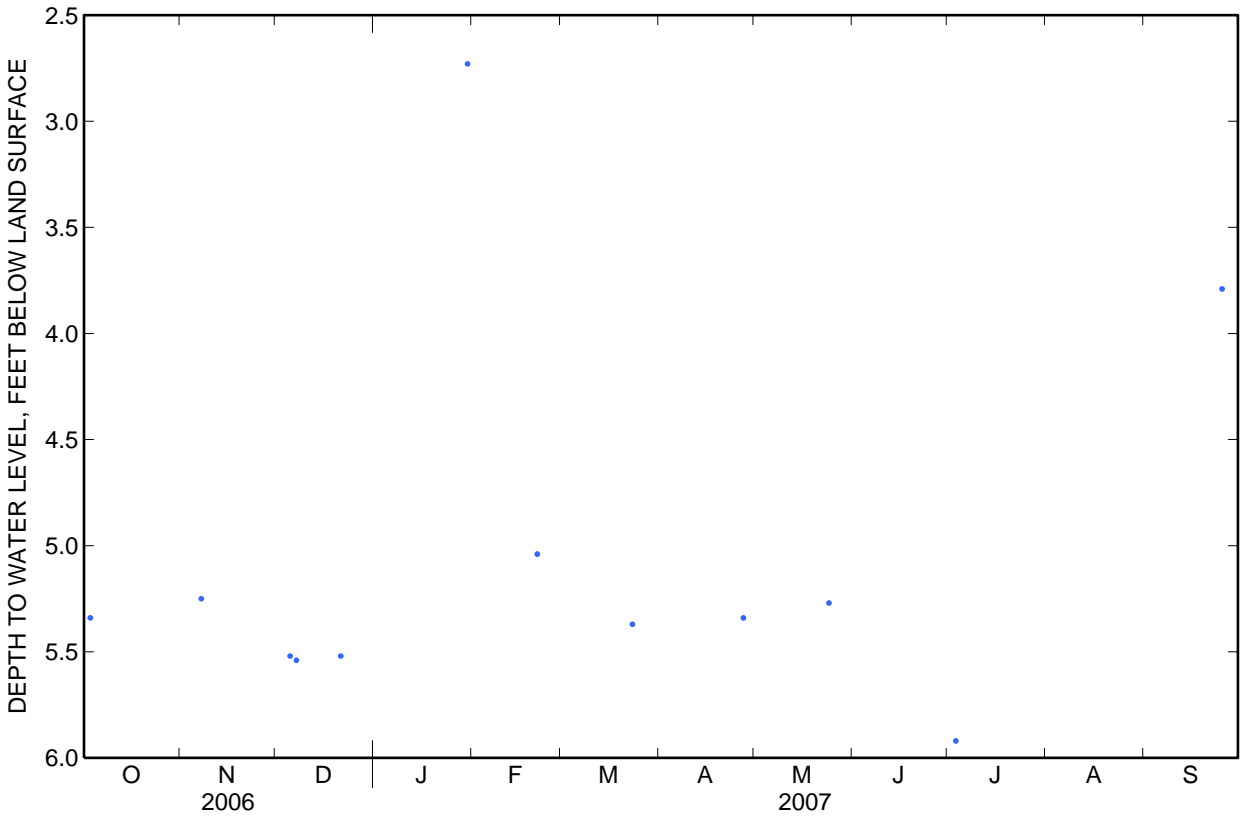
Highest instantenous water level, 2.29 ft. July 25 (from recorder); lowest, 6.05 ft. June 25 and 26 (from recorder).

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 3	5.34	V	--	Feb 21	5.04	V	--
Nov 7	5.25	V	--	Mar 23	5.37	V	--
Dec 5	5.52	V	--	Apr 27	5.34	V	--
7	5.54	V	--	May 24	5.27	V	--
21	5.52	V	--	Jul 3	5.92	V	--
Jan 30	2.73	V	--	Sep 25	3.79	V	--

454302108392001 Local number 01S25E28CBAC01—Continued

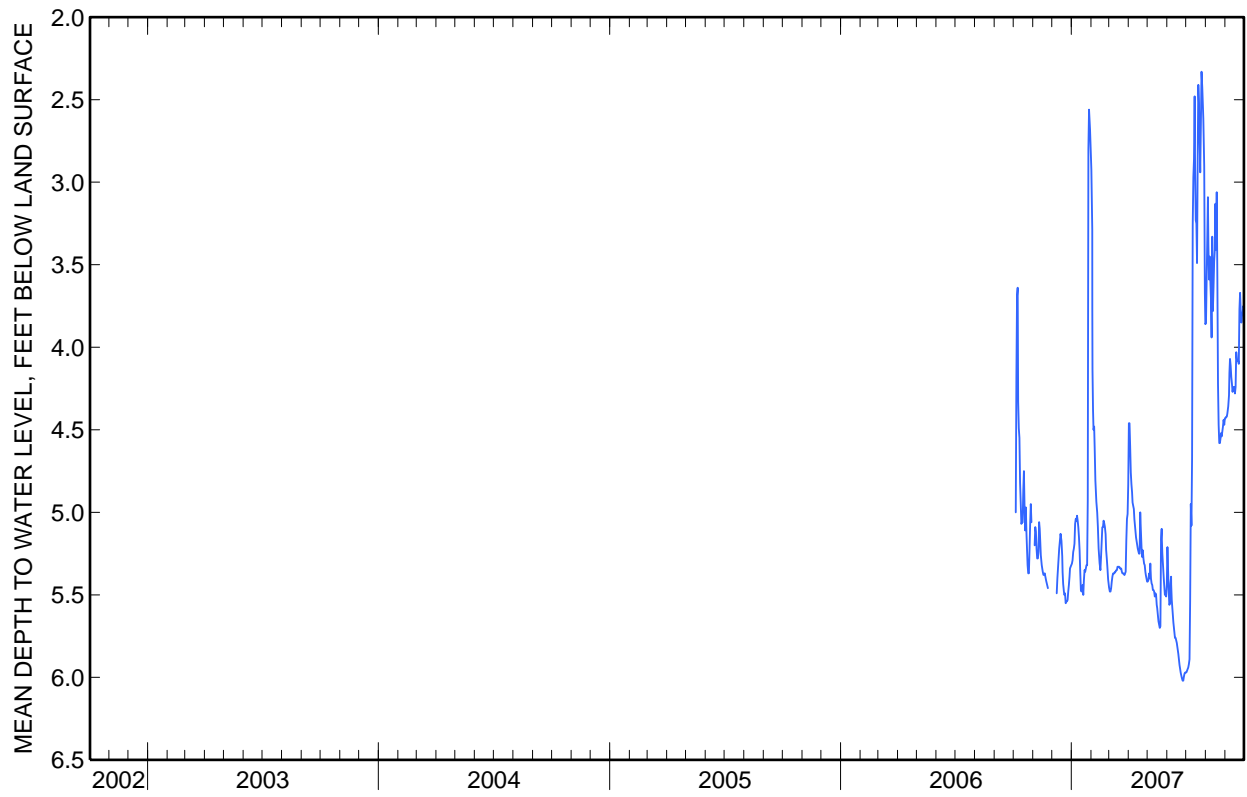


454302108392001 Local number 01S25E28CBAC01—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	5.31	2.97	5.46	4.46	5.42	5.21	5.97	3.85	4.43
2	---	---	---	5.29	3.58	5.48	4.46	5.41	5.35	5.96	3.59	4.42
3	---	5.20	---	5.24	4.28	5.48	4.60	5.37	5.48	5.95	3.35	4.42
4	5.00	5.09	---	5.22	4.50	5.46	4.76	5.40	5.56	5.94	3.09	4.40
5	4.18	5.12	---	5.19	4.48	5.42	4.83	5.31	5.55	5.92	3.38	4.37
6	3.69	5.22	---	5.07	4.62	5.39	4.88	5.40	5.43	5.89	3.59	4.31
7	3.64	5.28	---	5.04	4.77	5.37	4.94	5.43	5.39	5.53	3.45	4.21
8	4.33	5.28	5.49	5.05	4.88	5.37	4.96	5.44	5.52	4.95	3.59	4.07
9	4.49	5.24	5.40	5.02	4.97	5.37	4.98	5.47	5.60	5.08	3.71	4.11
10	4.55	5.06	5.33	5.05	5.00	5.36	5.06	5.47	5.64	4.67	3.94	4.18
11	4.82	5.10	5.28	5.09	5.09	5.36	5.09	5.48	5.68	3.26	3.33	4.22
12	4.94	5.21	5.21	5.15	5.20	5.35	5.13	5.51	5.72	2.97	3.78	4.27
13	5.07	5.24	5.17	5.23	5.26	5.35	5.17	5.49	5.76	2.86	3.64	4.25
14	5.06	5.32	5.13	5.36	5.33	5.33	5.19	5.50	5.76	2.48	3.48	4.24
15	5.06	5.33	5.15	5.47	5.35	5.33	5.22	5.56	5.77	2.93	3.41	4.24
16	4.87	5.36	5.22	5.48	5.27	5.33	5.24	5.58	5.80	3.23	3.13	4.28
17	4.75	5.38	5.33	5.45	5.18	5.33	5.25	5.62	5.82	3.25	3.41	4.24
18	4.97	5.38	5.42	5.44	5.09	5.34	5.25	5.66	5.85	3.49	3.06	4.03
19	5.11	5.37	5.48	5.50	5.09	5.34	5.00	5.68	5.88	2.86	3.58	4.07
20	4.97	5.39	5.50	5.41	5.05	5.34	5.11	5.70	5.92	2.41	4.22	4.08
21	5.13	5.41	5.49	5.35	5.06	5.36	5.21	5.69	5.95	2.52	4.47	4.08
22	5.24	5.43	5.55	5.36	5.09	5.37	5.27	5.17	5.97	2.73	4.58	4.10
23	5.32	5.44	5.54	5.34	5.13	5.37	5.23	5.10	5.99	2.94	4.58	3.77
24	5.37	5.46	5.54	5.32	5.22	5.37	5.28	5.28	6.01	2.65	4.55	3.67
25	5.37	---	5.53	5.32	5.28	5.38	5.31	5.29	6.02	2.33	4.52	3.78
26	5.23	---	5.48	4.93	5.34	5.37	5.32	5.38	6.02	2.41	4.54	3.85
27	5.07	---	5.44	2.80	5.39	5.36	5.36	5.45	6.00	2.49	4.51	3.81
28	4.95	---	5.39	2.56	5.43	5.17	5.38	5.50	5.98	2.63	4.48	3.79
29	5.06	---	5.34	2.65	---	5.04	5.40	5.48	5.97	2.96	4.44	3.75
30	---	---	5.33	2.74	---	5.01	5.42	5.51	5.97	3.40	4.47	3.76
31	---	---	5.32	2.82	---	4.83	---	5.44	---	3.86	4.43	---
Max	---	---	---	5.50	5.43	5.48	5.42	5.70	6.02	5.97	4.58	4.43
Min	---	---	---	2.56	2.97	4.83	4.46	5.10	5.21	2.33	3.06	3.67

454302108392001 Local number 01S25E28CBAC01—Continued



Water-Data Report 2007

47303111185001 Local number 20N03E11ABAD01

Madison Group (Upper and Lower Mississippian

Cascade County, MT

LOCATION.--Lat 47°30'31", long 111°18'50" referenced to North American Datum of 1927, in NE ¼ NW ¼ NE ¼ sec.11, T.20 N., R.3 E., Cascade County, MT, Hydrologic Unit 10030102.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 369 ft. Upper casing diameter 8 in., top of first opening undefined, bottom of last opening undefined. Drilled in October 1959, casing diameter, 8 in. to depth of 206 ft and 6 in. to a depth of 369.

DATUM.--Land-surface datum is 3320 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.80 ft above land-surface datum, Dec. 18, 2001, to present. Reference point established June 25, 2003: top of steel rod 10 ft north-northeast of well casing, 2.16 ft below measuring point.

PERIOD OF RECORD.--December 2001 to current year.

GAGE.--Digital water-level recorder set to record every 4 hours from Dec. 19, 2001 to current year.

REMARKS.--All water levels reported below land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Highest instantaneous water level, 11.33 ft, June 19-21, 2006 (from recorder); lowest, 13.46 ft, at various times Aug. 13-15, 2003 (from recorder).

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 11.43 ft, Jan 20 (from recorder); lowest, 12.94 ft, Aug. 25 (from recorder).

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked. Water-level status: --, static.]

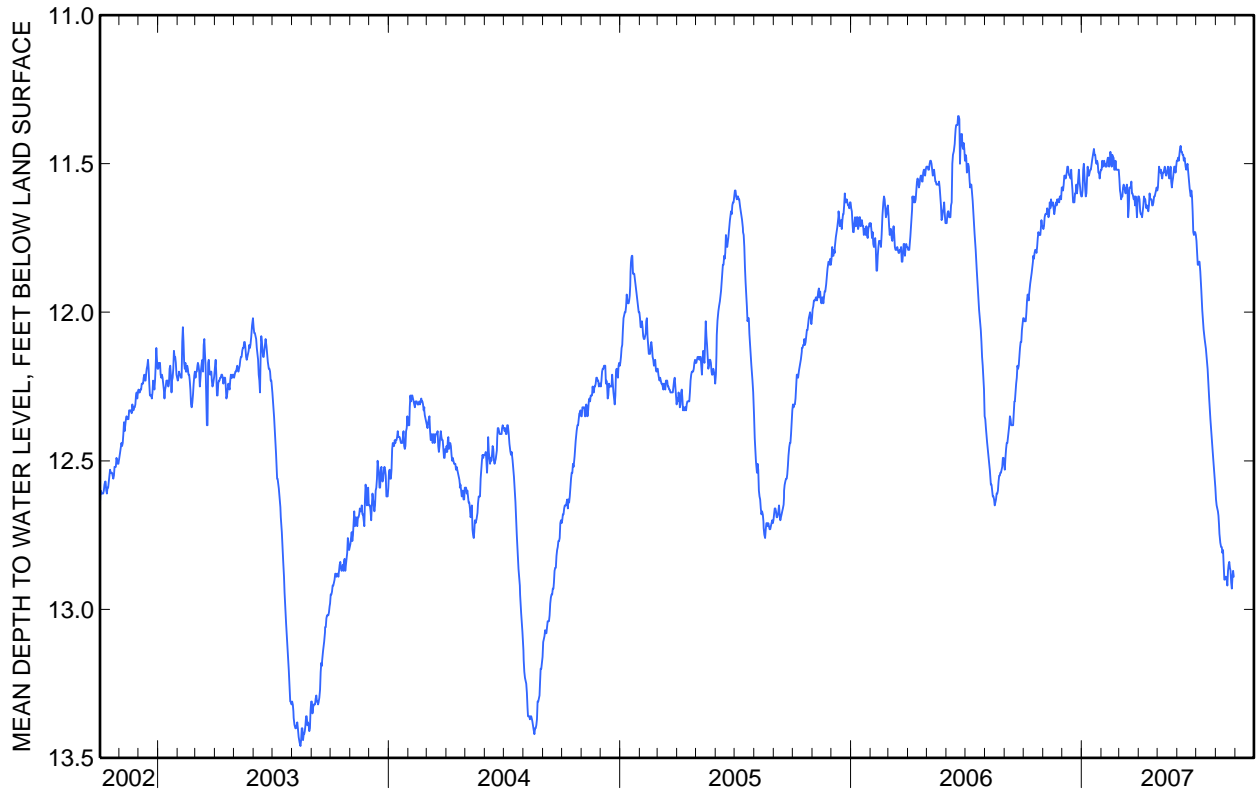
Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 6	11.97	V	--	Jun 15	11.51	V	--
Jan 4	11.48	V	--	Aug 16	12.88	V	--
Apr 3	11.65	V	--	30	12.86	V	--

47303111185001 Local number 20N03E11ABAD01—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12.02	11.72	11.58	11.61	11.52	11.55	11.61	11.58	11.49	11.76	12.63	---
2	12.03	11.71	11.59	11.59	11.49	11.59	11.62	11.54	11.48	11.80	12.65	---
3	12.03	11.68	11.57	11.52	11.51	11.60	11.66	11.51	11.49	11.84	12.66	---
4	12.03	11.67	11.54	11.50	11.50	11.62	11.67	11.52	11.47	11.84	12.67	---
5	12.00	11.67	11.54	11.54	11.49	11.61	11.67	11.53	11.45	11.83	12.69	---
6	11.96	11.67	11.55	11.58	11.50	11.61	11.68	11.52	11.44	11.83	12.73	---
7	11.94	11.65	11.54	11.61	11.51	11.58	11.66	11.54	11.46	11.86	12.76	---
8	11.95	11.66	11.53	11.60	11.50	11.57	11.64	11.55	11.46	11.89	12.78	---
9	11.96	11.68	11.51	11.55	11.51	11.58	11.61	11.53	11.47	11.93	12.79	---
10	11.92	11.67	11.51	11.51	11.49	11.59	11.62	11.53	11.47	11.99	12.79	---
11	11.91	11.63	11.53	11.54	11.48	11.60	11.62	11.52	11.49	12.02	12.81	---
12	11.89	11.65	11.54	11.54	11.48	11.58	11.64	11.51	11.48	12.04	12.80	---
13	11.88	11.62	11.54	11.53	11.51	11.57	11.65	11.53	11.49	12.07	12.85	---
14	11.86	11.64	11.55	11.52	11.50	11.59	11.64	11.54	11.51	12.09	12.90	---
15	11.83	11.64	11.52	11.52	11.46	11.68	11.65	11.53	11.52	12.10	12.90	---
16	11.81	11.63	11.56	11.50	11.48	11.65	11.66	11.52	11.51	12.12	12.89	---
17	11.82	11.65	11.59	11.49	11.51	11.58	11.64	11.51	11.50	12.15	12.89	---
18	11.80	11.67	11.63	11.48	11.47	11.58	11.60	11.54	11.53	12.18	12.90	---
19	11.79	11.66	11.63	11.46	11.48	11.58	11.62	11.55	11.55	12.20	12.92	---
20	11.79	11.64	11.63	11.45	11.48	11.56	11.62	11.54	11.57	12.24	12.87	---
21	11.80	11.63	11.60	11.47	11.52	11.60	11.62	11.51	11.60	12.28	12.85	---
22	11.78	11.64	11.60	11.47	11.52	11.60	11.64	11.56	11.61	12.33	12.84	---
23	11.75	11.62	11.57	11.49	11.49	11.61	11.64	11.58	11.59	12.36	12.86	---
24	11.73	11.63	11.60	11.50	11.52	11.62	11.63	11.56	11.61	12.38	12.87	---
25	11.74	11.62	11.58	11.49	11.52	11.61	11.61	11.55	11.66	12.42	12.91	---
26	11.74	11.63	11.55	11.50	11.52	11.64	11.61	11.53	11.73	12.46	12.93	---
27	11.74	11.61	11.52	11.53	11.52	11.61	11.60	11.51	11.74	12.48	12.89	---
28	11.72	11.61	11.56	11.53	11.52	11.64	11.59	11.51	11.73	12.50	12.87	---
29	11.69	11.62	11.58	11.55	---	11.68	11.58	11.53	11.73	12.52	12.89	---
30	11.71	11.58	11.60	11.53	---	11.63	11.59	11.51	11.74	12.56	---	---
31	11.71	---	11.61	11.52	---	11.61	---	11.49	---	12.59	---	---
Max	12.03	11.72	11.63	11.61	11.52	11.68	11.68	11.58	11.74	12.59	---	---
Min	11.69	11.58	11.51	11.45	11.46	11.55	11.58	11.49	11.44	11.76	---	---

473031111185001 Local number 20N03E11ABAD01—Continued





Water-Data Report 2007

47220311112602 Local number 19N04E26CACC02

Kootenai Formation

Cascade County, MT

LOCATION.--Lat 47°22'04", long 111°11'26" referenced to North American Datum of 1927, in SW ¼ NE ¼ SW ¼ sec.26, T.19 N., R.4 E., Cascade County, MT, Hydrologic Unit 10030102.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 198 ft. Upper casing diameter 4 in., top of first opening 130 ft, bottom of last opening 170 ft. Drilled in spring of 1983.

DATUM.--Land-surface datum is 3817 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of PVC casing, 1.1 ft above land-surface datum, Feb. 9, 1995, to present. Reference point established Apr. 26, 1999: top of steel rod near casing, 0.19 ft above measuring point.

PERIOD OF RECORD.--August 1984 to May 1987 and December 1998 to current year.

GAGE.--Digital water-level recorder set to record every 4 hours from Dec. 16, 1998 to current year (Montana Bureau of Mines and Geology operated site from May 1987 to October 1998).

REMARKS.--All water levels reported below land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Highest instantaneous water level, 137.03 ft, at various times Apr. 8-13, 1999 (from recorder); lowest, 139.07 ft, Feb. 10-11, 2006 (from recorder).

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 138.58 ft, Sept. 1 and 3-8 (from recorder); lowest, 138.96 ft, Mar. 29-31 (from recorder).

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 6	138.70	V	--	Apr 3	138.95	V	--
Jan 4	138.85	V	--	Jun 15	138.68	V	--

Water-Data Report 2007

47220311112602 Local number 19N04E26CACC02—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	138.70	138.76	138.72	138.87	138.79	138.66	138.95	138.82	138.74	138.68	138.63	138.59
2	138.70	138.76	138.88	138.87	138.78	138.66	138.94	138.82	138.74	138.68	138.63	138.59
3	138.70	138.75	138.91	138.86	138.78	138.67	138.94	138.81	138.74	138.68	138.63	138.59
4	138.70	138.75	138.91	138.85	138.77	138.67	138.94	138.81	138.73	138.68	138.63	138.58
5	138.70	138.75	138.91	138.85	138.77	138.67	138.94	138.80	138.73	138.68	138.62	138.58
6	138.71	138.74	138.91	138.84	138.77	138.67	138.94	138.80	138.72	138.67	138.62	138.58
7	138.70	138.74	138.90	138.84	138.76	138.67	138.93	138.80	138.72	138.67	138.62	138.58
8	138.71	138.74	138.90	138.84	138.76	138.66	138.93	138.80	138.72	138.67	138.62	138.61
9	138.78	138.73	138.89	138.84	138.76	138.66	138.92	138.79	138.71	138.67	138.62	138.63
10	138.80	138.73	138.89	138.83	138.76	138.66	138.91	138.79	138.71	138.67	138.62	138.63
11	138.80	138.73	138.89	138.83	138.75	138.66	138.90	138.79	138.71	138.67	138.61	138.63
12	138.79	138.73	138.88	138.83	138.75	138.65	138.90	138.79	138.71	138.67	138.61	138.63
13	138.79	138.72	138.89	138.83	138.75	138.65	138.90	138.78	138.70	138.67	138.61	138.63
14	138.79	138.72	138.88	138.83	138.74	138.65	138.89	138.78	138.70	138.67	138.61	138.63
15	138.78	138.72	138.88	138.83	138.74	138.65	138.88	138.78	138.70	138.66	138.61	138.63
16	138.78	138.71	138.87	138.82	138.73	138.65	138.88	138.78	138.70	138.66	138.61	138.62
17	138.78	138.71	138.87	138.82	138.73	138.65	138.88	138.78	138.70	138.66	138.61	138.62
18	138.77	138.71	138.87	138.82	138.72	138.64	138.87	138.77	138.70	138.65	138.60	138.62
19	138.77	138.74	138.86	138.82	138.72	138.64	138.87	138.77	138.70	138.65	138.60	138.62
20	138.77	138.73	138.86	138.81	138.71	138.63	138.86	138.77	138.69	138.65	138.60	138.62
21	138.77	138.73	138.86	138.81	138.70	138.63	138.85	138.76	138.69	138.65	138.60	138.61
22	138.77	138.73	138.86	138.81	138.70	138.63	138.85	138.76	138.69	138.65	138.60	138.61
23	138.76	138.73	138.85	138.81	138.69	138.62	138.85	138.76	138.69	138.65	138.60	138.61
24	138.76	138.72	138.85	138.81	138.69	138.62	138.84	138.76	138.68	138.64	138.60	138.61
25	138.76	138.72	138.85	138.80	138.68	138.62	138.84	138.75	138.68	138.64	138.59	138.61
26	138.76	138.72	138.84	138.80	138.68	138.62	138.84	138.75	138.68	138.64	138.59	138.60
27	138.76	138.72	138.84	138.80	138.67	138.61	138.84	138.75	138.68	138.64	138.59	138.60
28	138.75	138.72	138.84	138.80	138.67	138.65	138.83	138.74	138.68	138.64	138.59	138.60
29	138.76	138.72	138.88	138.80	---	138.93	138.83	138.74	138.68	138.64	138.59	138.60
30	138.76	138.72	138.88	138.79	---	138.96	138.82	138.74	138.68	138.63	138.59	138.59
31	138.76	---	138.88	138.79	---	138.96	---	138.74	---	138.63	138.59	---
Max	138.80	138.76	138.91	138.87	138.79	138.96	138.95	138.82	138.74	138.68	138.63	138.63
Min	138.70	138.71	138.72	138.79	138.67	138.61	138.82	138.74	138.68	138.63	138.59	138.58

47220311112602 Local number 19N04E26CACC02—Continued



Water-Data Report 2007

454809111095401 Local number 01N04E25DCDD01

Quaternary Alluvium

Gallatin County, MT

LOCATION.--Lat 45°48'09", long 111°09'54" referenced to North American Datum of 1927, in SE ¼ SW ¼ SE ¼ sec.25, T.1 N., R.4 E., Gallatin County, MT, Hydrologic Unit 10020008, Owner: U.S. Geological Survey.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 101 ft. Upper casing diameter 6 in., top of first opening 10 ft, bottom of last opening 329 ft. Drilled August 1951. Well drilled and cased to 400 ft, screened from 10 ft to 329 ft. After completion well was filled in with gravel to within 101 ft of land surface.

DATUM.--Land-surface datum is 4385 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.60 ft above land-surface datum, Dec. 7, 1951, to present. Reference point established Sept 17, 2003: top of steel rod, 2 ft southwest of well near east fence post, 1.05 ft below measuring point.

PERIOD OF RECORD.--1954 to current year.

GAGE.--Graphic recorder from May 1954 to August 1977. Digital water-level recorder set to record every hour from May 1991 to current year.

REMARKS.--All water levels reported below land-surface datum. No data from May 10 to July 18, July 27 to Sept 30, and Oct. 1-25, 2006.

EXTREMES FOR PERIOD OF RECORD.--Highest instantaneous water level 5.91 ft, Aug. 13, 1968 (from recorder); lowest, 20.10 ft, Apr. 23-25, 2004 (from recorder).

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 13.31 ft, Aug 8. (from recorder); lowest, 19.28 ft, Apr. 27 (from recorder).

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: S, steel tape. Water-level status: --, static.]

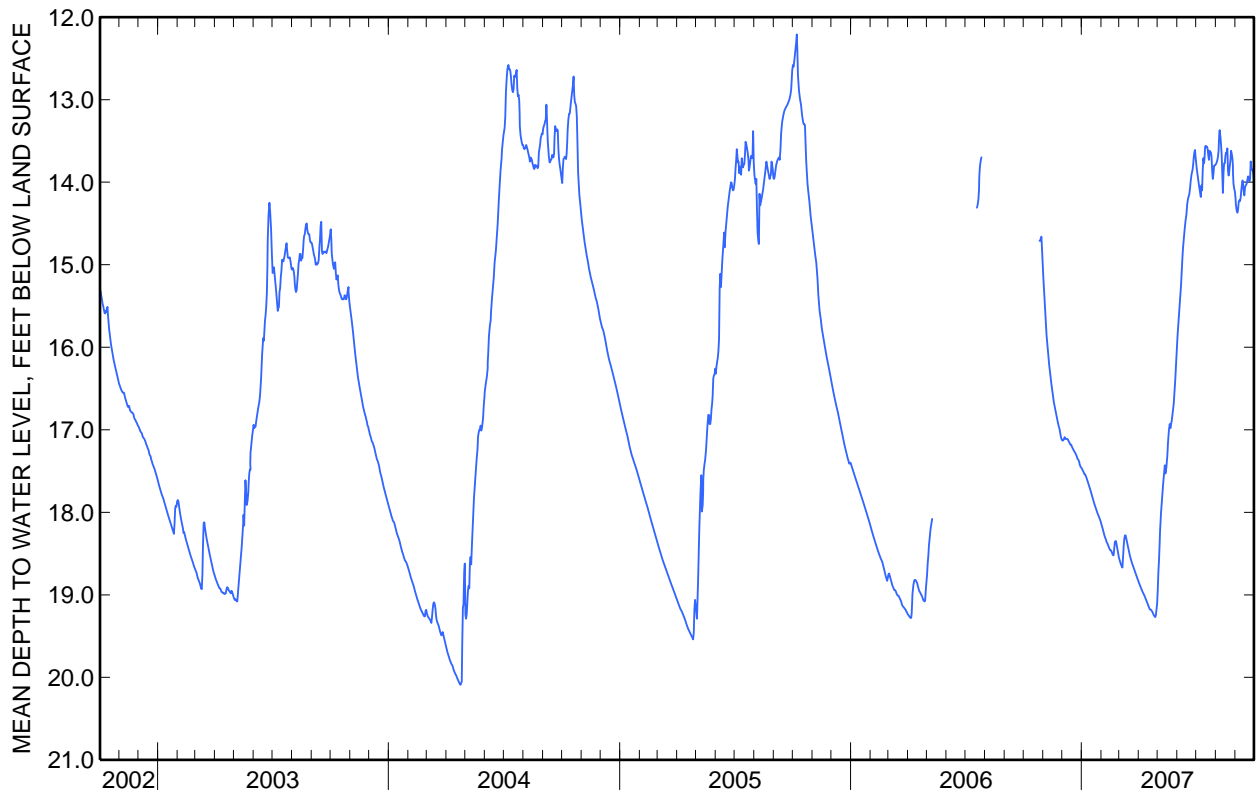
Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 26	14.69	S	--	Mar 13	18.37	S	--
Dec 6	17.11	S	--	May 24	16.83	S	--
Jan 31	18.18	S	--	Aug 20	13.90	S	--

454809111095401 Local number 01N04E25DCDD01—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	15.16	17.13	17.47	18.15	18.56	18.85	18.94	15.89	13.79	13.78	14.19
2	---	15.35	17.13	17.49	18.18	18.59	18.87	18.72	15.77	13.88	13.76	14.30
3	---	15.49	17.12	17.50	18.20	18.61	18.89	18.57	15.67	13.92	13.73	14.35
4	---	15.62	17.10	17.52	18.23	18.64	18.91	18.37	15.55	13.95	13.72	14.37
5	---	15.74	17.09	17.54	18.26	18.66	18.93	18.16	15.45	14.03	13.63	14.33
6	---	15.85	17.11	17.54	18.29	18.67	18.95	18.02	15.36	14.08	13.48	14.24
7	---	15.95	17.11	17.56	18.31	18.55	18.96	17.92	15.23	14.13	13.37	14.22
8	---	16.03	17.11	17.58	18.33	18.41	18.98	17.76	15.07	14.18	13.45	14.23
9	---	16.13	17.11	17.61	18.36	18.32	18.99	17.71	14.92	14.04	13.55	14.19
10	---	16.21	17.12	17.62	18.37	18.28	19.01	17.62	14.80	14.10	13.61	14.10
11	---	16.27	17.14	17.66	18.39	18.28	19.03	17.52	14.70	13.86	13.88	14.03
12	---	16.34	17.15	17.68	18.41	18.31	19.05	17.43	14.61	13.71	14.13	13.98
13	---	16.40	17.17	17.70	18.43	18.36	19.07	17.53	14.54	13.77	13.88	14.02
14	---	16.46	17.18	17.72	18.45	18.39	19.09	17.50	14.46	13.72	13.77	14.11
15	---	16.53	17.18	17.74	18.46	18.43	19.11	17.43	14.40	13.57	13.77	14.16
16	---	16.57	17.20	17.77	18.46	18.46	19.13	17.32	14.32	13.56	13.68	14.07
17	---	16.63	17.22	17.79	18.48	18.49	19.15	17.20	14.24	13.57	13.64	14.04
18	---	16.68	17.24	17.82	18.50	18.52	19.17	17.07	14.19	13.57	13.65	14.03
19	---	16.72	17.25	17.85	18.52	18.56	19.18	16.99	14.17	13.60	13.59	14.01
20	---	16.76	17.26	17.88	18.52	18.59	19.18	16.93	14.14	13.68	13.86	13.96
21	---	16.81	17.28	17.91	18.44	18.61	19.19	16.98	14.06	13.73	13.92	13.93
22	---	16.84	17.29	17.93	18.36	18.64	19.20	16.94	13.98	13.62	13.87	13.97
23	---	16.87	17.31	17.96	18.35	18.66	19.22	16.89	13.93	13.63	13.79	13.99
24	---	16.91	17.33	17.98	18.35	18.68	19.24	16.84	13.88	13.64	13.72	13.96
25	---	16.95	17.35	18.00	18.38	18.69	19.25	16.78	13.83	13.69	13.62	13.75
26	14.71	16.98	17.36	18.02	18.44	18.72	19.26	16.69	13.80	13.86	13.65	13.83
27	14.71	17.01	17.37	18.04	18.49	18.74	19.27	16.60	13.71	13.96	13.70	13.85
28	14.68	17.05	17.40	18.05	18.53	18.76	19.25	16.48	13.63	13.90	13.87	13.85
29	14.66	17.10	17.43	18.08	---	18.79	19.18	16.34	13.61	13.80	14.02	13.89
30	14.75	17.12	17.45	18.10	---	18.81	19.11	16.18	13.69	13.80	14.08	13.98
31	14.91	---	17.46	18.12	---	18.83	---	16.03	---	13.79	14.12	---
Max	---	17.12	17.46	18.12	18.53	18.83	19.27	18.94	15.89	14.18	14.13	14.37
Min	---	15.16	17.09	17.47	18.15	18.28	18.85	16.03	13.61	13.56	13.37	13.75

454809111095401 Local number 01N04E25DCDD01—Continued





Water-Data Report 2007

470709106061401 Local number 16N44E25BBAC01

Tongue River Member of Fort Union Formation

Garfield County, MT

LOCATION.--Lat 47°07'09", long 106°06'14" referenced to North American Datum of 1927, in NE ¼ NW ¼ NW ¼ sec.25, T.16 N., R.44 E., Garfield County, MT, Hydrologic Unit 10040104, Owner: Burlington Northern Santa Fe Railroad.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 103 ft. Upper casing diameter 4 in., top of first opening 63 ft, bottom of last opening 103 ft. Drilled in October 1980.

DATUM.--Land-surface datum is 2645 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 4 in. casing, on north side, 1.10 ft above land-surface datum, Oct. 25, 1983, to present. Reference point established Oct. 12, 1999: top of steel rod near casing, 2.99 ft below measuring point.

PERIOD OF RECORD.--Measured annually from 1984 to 1992 and recorded every 4 hours from Apr. 13, 1998 to current year.

GAGE.--Digital water-level recorder set to record every 4 hours from Apr. 13, 1998 to current year.

REMARKS.--All water levels reported below land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Highest instantaneous water level, 29.73 ft, Apr. 13, 1999 (from recorder); lowest, 32.08 ft, Oct. 20, 2001 (from recorder).

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 30.19 ft, June 7 (from recorder); lowest, 31.35 ft, Dec. 2 (from recorder).

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

[Measurement method: S, steel tape; . Water-level status: --, static.]

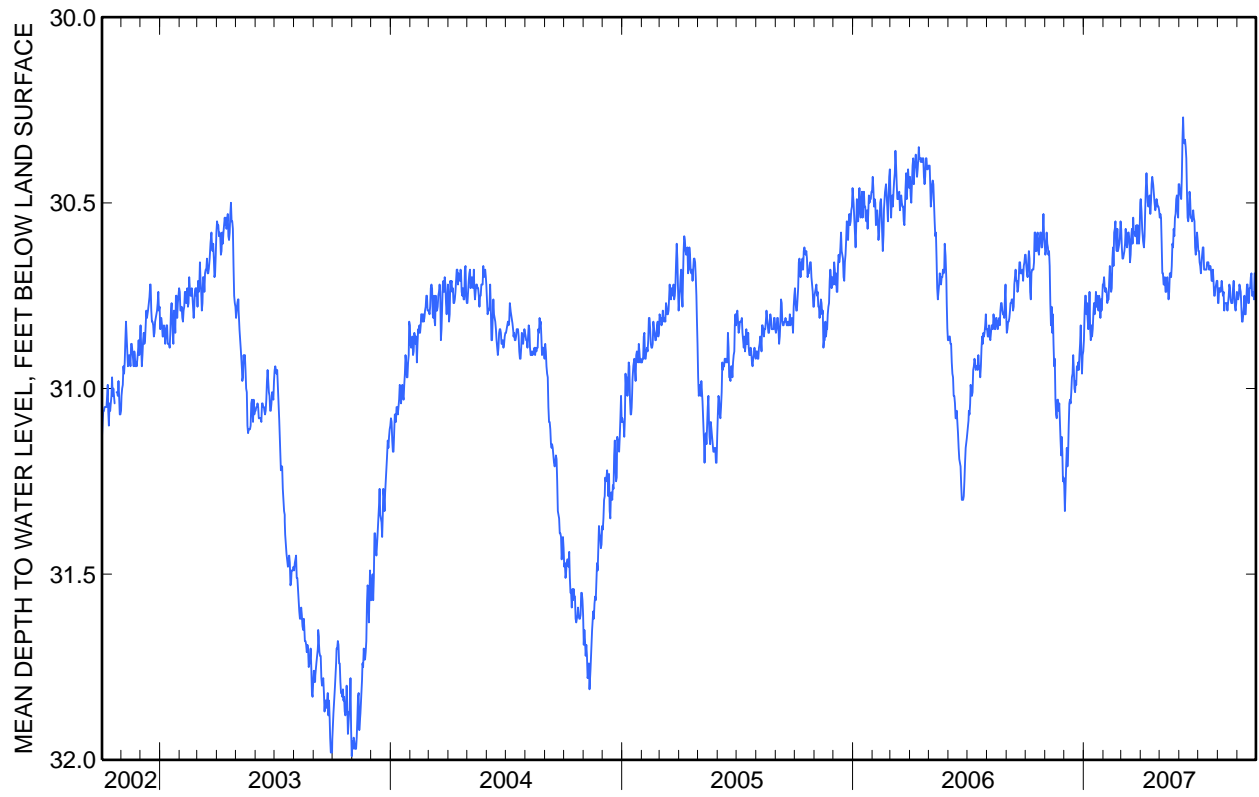
Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 26	30.61	S	--	Jun 13	30.57	S	--
Jan 26	30.76	S	--				

470709106061401 Local number 16N44E25BBAC01—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	30.64	30.64	31.26	30.87	30.72	30.57	30.49	30.54	30.45	30.63	30.77	30.75
2	30.67	30.63	31.33	30.80	30.70	30.62	30.51	30.53	30.47	30.63	30.77	30.76
3	30.69	30.58	31.27	30.75	30.73	30.65	30.57	30.54	30.48	30.66	30.73	30.75
4	30.70	30.61	31.21	30.75	30.74	30.65	30.59	30.61	30.49	30.67	30.73	30.72
5	30.66	30.62	31.16	30.80	30.73	30.64	30.60	30.69	30.43	30.69	30.74	30.73
6	30.63	30.64	31.21	30.77	30.74	30.63	30.62	30.69	30.33	30.66	30.73	30.74
7	30.65	30.63	31.18	30.81	30.77	30.61	30.59	30.72	30.27	30.64	30.71	30.78
8	30.74	30.67	31.10	30.84	30.76	30.57	30.52	30.72	30.33	30.62	30.73	30.82
9	30.76	30.77	31.04	30.82	30.76	30.60	30.46	30.70	30.34	30.62	30.75	30.82
10	30.69	30.83	31.03	30.74	30.71	30.62	30.42	30.74	30.33	30.68	30.74	30.80
11	30.68	30.78	31.04	30.84	30.67	30.61	30.46	30.74	30.35	30.68	30.79	30.78
12	30.68	30.85	31.01	30.87	30.71	30.58	30.50	30.72	30.38	30.68	30.77	30.75
13	30.68	30.80	30.97	30.83	30.74	30.58	30.51	30.70	30.47	30.68	30.77	30.80
14	30.66	30.88	30.96	30.86	30.73	30.60	30.49	30.73	30.54	30.68	30.77	30.80
15	30.58	30.94	30.91	30.84	30.65	30.66	30.48	30.76	30.55	30.66	30.77	30.76
16	30.58	30.92	30.95	30.80	30.62	30.64	30.53	30.74	30.53	30.66	30.79	30.72
17	30.63	31.03	31.00	30.77	30.67	30.59	30.50	30.69	30.47	30.66	30.77	30.72
18	30.63	31.07	31.01	30.80	30.58	30.57	30.45	30.69	30.49	30.68	30.75	30.77
19	30.59	31.08	30.98	30.78	30.57	30.61	30.43	30.70	30.54	30.68	30.72	30.77
20	30.58	31.03	30.99	30.74	30.55	30.54	30.44	30.67	30.54	30.67	30.73	30.73
21	30.63	31.03	30.94	30.78	30.61	30.58	30.46	30.61	30.55	30.68	30.76	30.73
22	30.64	31.06	30.95	30.75	30.63	30.58	30.48	30.62	30.54	30.71	30.77	30.70
23	30.60	31.04	30.93	30.77	30.57	30.59	30.50	30.57	30.52	30.71	30.77	30.69
24	30.58	31.09	30.95	30.79	30.63	30.59	30.52	30.59	30.54	30.68	30.77	30.75
25	30.58	31.14	30.91	30.75	30.62	30.56	30.51	30.54	30.55	30.71	30.73	30.75
26	30.62	31.18	30.88	30.76	30.61	30.61	30.49	30.53	30.62	30.75	30.71	30.74
27	30.62	31.13	30.83	30.81	30.59	30.56	30.50	30.49	30.64	30.75	30.75	30.76
28	30.58	31.17	30.91	30.76	30.55	30.57	30.51	30.48	30.61	30.73	30.78	30.69
29	30.53	31.25	30.96	30.79	---	30.61	30.51	30.52	30.58	30.72	30.79	30.69
30	30.59	31.24	30.91	30.76	---	30.58	30.52	30.54	30.60	30.71	30.77	30.75
31	30.61	---	30.90	30.72	---	30.50	---	30.45	---	30.71	30.74	---
Max	30.76	31.25	31.33	30.87	30.77	30.66	30.62	30.76	30.64	30.75	30.79	30.82
Min	30.53	30.58	30.83	30.72	30.55	30.50	30.42	30.45	30.27	30.62	30.71	30.69

470709106061401 Local number 16N44E25BBAC01—Continued



Water-Data Report 2007

470946114013201 Local number 16N19W08ACBD01

Alluvium

Lake County, MT

LOCATION.--Lat 47°09'46", long 114°01'32" referenced to North American Datum of 1927, in NW ¼ SW ¼ NE ¼ sec.8, T.16 N., R.19 W., Lake County, MT, Hydrologic Unit 17010212.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 398 ft. Upper casing diameter 6 in., top of first opening 198 ft, bottom of last opening 398 ft. Drilled in August 1988.

DATUM.--Land-surface datum is 3300 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.50 ft above land-surface datum, Sept. 13, 1990, to present. Reference point established July 14, 2003: top of steel rod 1.0 ft southeast of well casing, 1.12 ft below measuring point.

PERIOD OF RECORD.--Measured annually from 1988 to 1990 and recorded every hour from Sept. 13, 1990 to current year.

GAGE.--Digital water-level recorder installed on Sept. 13, 1990 and set to record every hour from Sept. 13, 1990 to current year.

REMARKS.--All water levels reported below land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Highest instantaneous water level, 137.80 ft, June 18-19, 2006 (from recorder); lowest, 189.22 ft, Apr. 11 and 12, 2002 (from recorder).

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 141.48 ft, July 20 (from recorder); lowest, 174.11 ft, Mar. 12 (from recorder).

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked; S, steel tape; . Water-level status: --, static.]

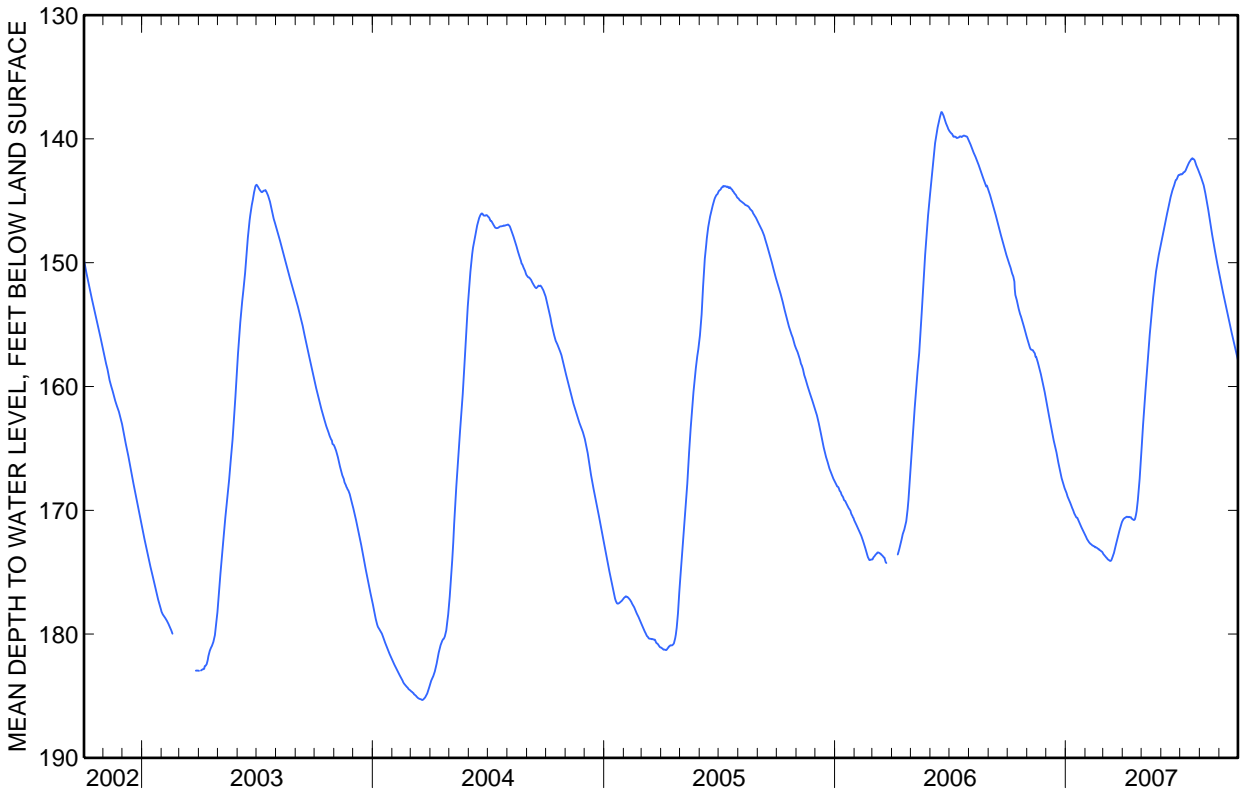
Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 12	152.30	V	--	Jun 13	145.38	V	--
Mar 1	173.68	S	--	Sep 7	152.43	S	--
May 18	153.42	V	--				

470946114013201 Local number 16N19W08ACBD01—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	149.66	156.17	161.22	168.47	172.05	173.50	170.79	164.78	148.32	142.85	142.89	151.07
2	149.85	156.33	161.52	168.61	172.14	173.58	170.74	163.94	148.10	142.85	142.99	151.32
3	150.04	156.52	161.76	168.77	172.26	173.64	170.67	163.12	147.88	142.87	143.13	151.54
4	150.18	156.69	162.02	168.94	172.36	173.69	170.61	162.26	147.61	142.84	143.27	151.77
5	150.32	156.86	162.31	169.07	172.45	173.77	170.60	161.52	147.27	142.78	143.41	152.01
6	150.49	156.97	162.57	169.19	172.54	173.83	170.56	160.77	147.06	142.70	143.57	152.25
7	150.69	157.01	162.82	169.29	172.59	173.86	170.52	160.10	146.86	142.69	143.74	152.49
8	150.87	157.03	163.06	169.45	172.66	173.95	170.52	159.40	146.57	142.63	143.97	152.74
9	151.02	157.07	163.33	169.48	172.72	173.98	170.54	158.85	146.32	142.56	144.18	152.97
10	151.17	157.07	163.61	169.66	172.74	174.02	170.55	158.28	146.06	142.49	144.47	153.20
11	151.35	157.18	163.89	169.81	172.79	174.06	170.52	157.64	145.82	142.34	144.73	153.41
12	151.99	157.25	164.14	169.92	172.85	174.08	170.55	156.92	145.59	142.23	145.04	153.67
13	152.61	157.34	164.37	170.05	172.86	174.08	170.56	156.33	145.33	142.13	145.40	153.92
14	152.80	157.59	164.59	170.21	172.89	174.02	170.56	155.67	145.07	142.01	145.72	154.15
15	152.98	157.59	164.86	170.32	172.91	173.89	170.67	155.00	144.83	141.91	146.06	154.40
16	153.23	157.81	165.10	170.42	172.99	173.75	170.70	154.37	144.59	141.82	146.37	154.63
17	153.46	157.95	165.32	170.53	172.97	173.59	170.74	153.83	144.43	141.75	146.69	154.90
18	153.64	158.13	165.57	170.58	173.00	173.45	170.77	153.32	144.24	141.65	146.99	155.13
19	153.81	158.27	165.81	170.60	173.03	173.25	170.78	152.80	144.08	141.63	147.29	155.38
20	154.07	158.48	166.08	170.72	173.06	173.05	170.72	152.26	143.91	141.56	147.63	155.59
21	154.22	158.67	166.37	170.85	173.11	172.84	170.58	151.80	143.77	141.59	147.94	155.85
22	154.34	158.89	166.66	170.96	173.11	172.57	170.35	151.41	143.59	141.63	148.22	156.06
23	154.51	159.13	166.89	171.10	173.21	172.36	170.05	151.00	143.45	141.67	148.52	156.34
24	154.66	159.34	167.14	171.20	173.22	172.13	169.62	150.55	143.31	141.77	148.81	156.57
25	154.91	159.58	167.32	171.30	173.26	171.97	169.10	150.23	143.29	141.94	149.08	156.77
26	155.08	159.79	167.49	171.41	173.31	171.76	168.53	149.87	143.18	142.09	149.40	157.01
27	155.26	160.07	167.71	171.52	173.34	171.58	167.89	149.55	143.05	142.23	149.70	157.19
28	155.39	160.38	167.94	171.62	173.40	171.44	167.20	149.34	142.94	142.36	150.00	157.42
29	155.56	160.66	168.04	171.72	---	171.25	166.47	149.09	142.90	142.48	150.28	157.71
30	155.83	160.89	168.19	171.84	---	171.04	165.68	148.82	142.92	142.61	150.54	157.86
31	155.99	---	168.31	171.93	---	170.90	---	148.56	---	142.75	150.80	---
Max	155.99	160.89	168.31	171.93	173.40	174.08	170.79	164.78	148.32	142.87	150.80	157.86
Min	149.66	156.17	161.22	168.47	172.05	170.90	165.68	148.56	142.90	141.56	142.89	151.07

470946114013201 Local number 16N19W08ACBD01—Continued





Water-Data Report 2007

480034105195401 Local number 26N49E13ACAB01

Fox Hills-Hell Creek Aquifer

McCone County, MT

LOCATION.--Lat 48°00'34", long 105°19'54" referenced to North American Datum of 1927, in NE ¼ SW ¼ NE ¼ sec.13, T.26 N., R.49 E., McCone County, MT, Hydrologic Unit 10060002, Owner: U.S. Geological Survey and Bureau of Land Management.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 180 ft. Upper casing diameter 4 in., top of first opening 120 ft, bottom of last opening 180 ft. Drilled in August 1981.

DATUM.--Land-surface datum is 2040 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of recorder shelter, 1.60 ft above land-surface datum, April 14, 1998, to present. Reference point established May 11, 1999: top of steel rod near well casing, 0.15 ft below measuring point.

PERIOD OF RECORD.--Measured annually from 1982 to 1992. Recorded every 6 hours from Apr. 14, 1998 to Aug. 3, 1999. Recorded every 4 hours from Aug. 3, 1999 to current year.

GAGE.--Digital water-level recorder set to record every 6 hours from April 14, 1998 to Aug. 3, 1999. Set to record every 4 hours from Aug. 3, 1999 to current year.

REMARKS.--All water levels reported below land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Highest instantaneous water level, 42.37 ft, Aug. 28, 1992 (measured); lowest, 44.12 ft, Oct. 31, 2003 (from recorder).

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 43.31 ft, July 9 (from recorder); lowest, 43.84 ft, Oct. 9 (from recorder).

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked; S, steel tape; . Water-level status: --, static.]

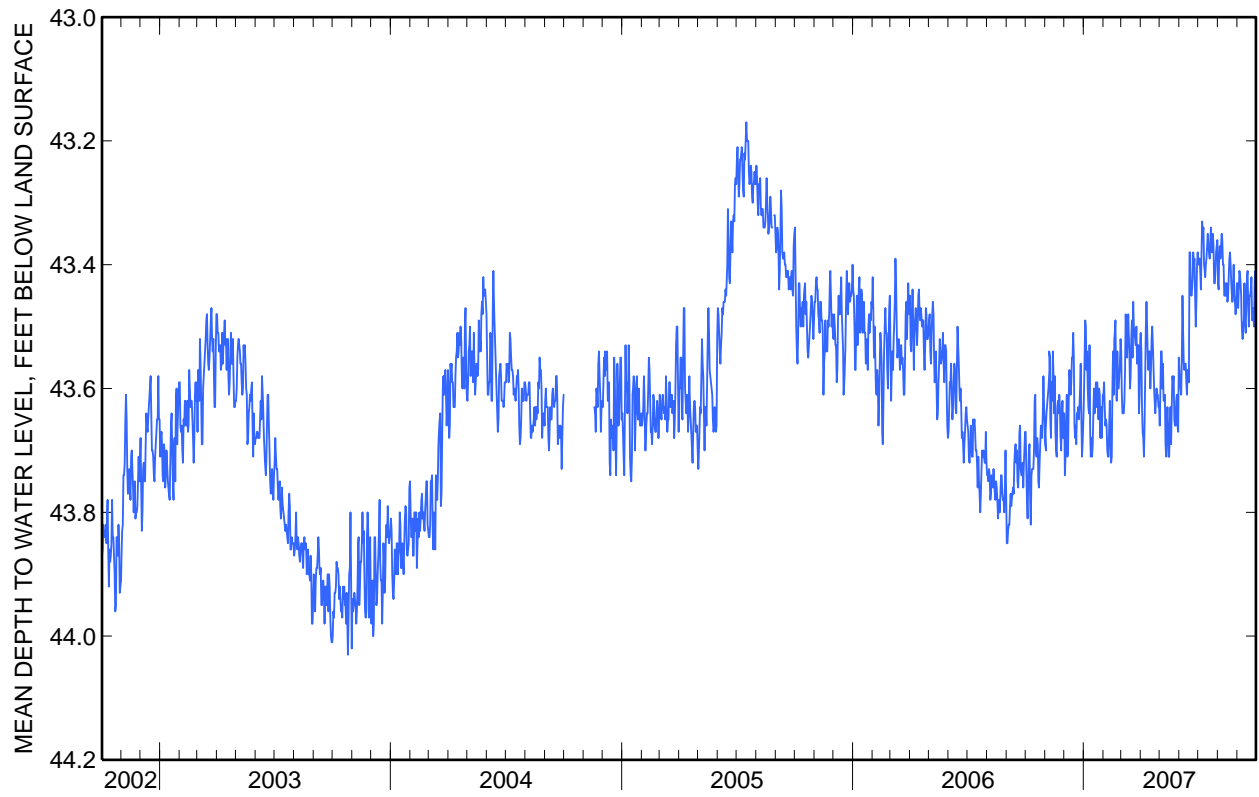
Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 25	43.69	V	--	Jun 13	43.61	V	--
Jan 22	43.58	S	--				

480034105195401 Local number 26N49E13ACAB01—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	43.67	43.69	43.64	43.62	43.61	43.54	43.51	43.66	43.57	43.40	43.43	43.43
2	43.73	43.70	43.74	43.55	43.59	43.61	43.54	43.60	43.59	43.39	43.44	43.47
3	43.78	43.64	43.71	43.49	43.63	43.64	43.63	43.54	43.60	43.39	43.39	43.44
4	43.81	43.62	43.66	43.50	43.66	43.64	43.67	43.54	43.61	43.41	43.37	43.41
5	43.75	43.61	43.61	43.57	43.65	43.64	43.68	43.60	43.55	43.44	43.39	43.42
6	43.70	43.60	43.71	43.54	43.66	43.62	43.71	43.56	43.45	43.38	43.37	43.43
7	43.69	43.54	43.70	43.60	43.70	43.57	43.66	43.62	43.51	43.33	43.35	43.48
8	43.78	43.55	43.62	43.63	43.71	43.48	43.58	43.62	43.56	43.35	43.36	43.50
9	43.82	43.65	43.57	43.64	43.71	43.51	43.50	43.61	43.57	43.34	43.40	43.52
10	43.74	43.68	43.59	43.53	43.66	43.55	43.46	43.69	43.56	43.40	43.40	43.50
11	43.73	43.59	43.61	43.67	43.62	43.52	43.50	43.71	43.56	43.41	43.45	43.49
12	43.73	43.62	43.59	43.71	43.68	43.48	43.55	43.67	43.59	43.42	43.45	43.43
13	43.73	43.54	43.55	43.68	43.72	43.51	43.57	43.63	43.61	43.40	43.43	43.49
14	43.70	43.58	43.55	43.71	43.71	43.54	43.54	43.66	43.57	43.39	43.45	43.51
15	43.62	43.64	43.51	43.69	43.60	43.60	43.54	43.71	43.57	43.37	43.43	43.46
16	43.61	43.58	43.55	43.64	43.54	43.58	43.60	43.71	43.59	43.35	43.46	43.42
17	43.70	43.67	43.66	43.60	43.61	43.52	43.57	43.65	43.38	43.37	43.45	43.41
18	43.71	43.70	43.68	43.64	43.52	43.49	43.52	43.63	43.38	43.38	43.42	43.47
19	43.68	43.71	43.66	43.62	43.51	43.55	43.50	43.69	43.44	43.39	43.39	43.50
20	43.69	43.63	43.69	43.59	43.49	43.46	43.53	43.63	43.45	43.36	43.38	43.45
21	43.75	43.62	43.64	43.63	43.58	43.50	43.57	43.58	43.44	43.34	43.40	43.45
22	43.76	43.64	43.64	43.59	43.62	43.51	43.59	43.59	43.42	43.38	43.43	43.44
23	43.72	43.61	43.63	43.61	43.54	43.52	43.62	43.58	43.38	43.38	43.45	43.42
24	43.69	43.63	43.65	43.65	43.60	43.53	43.64	43.65	43.40	43.35	43.46	43.49
25	43.66	43.68	43.63	43.60	43.60	43.50	43.62	43.66	43.39	43.37	43.43	43.49
26	43.67	43.70	43.60	43.61	43.58	43.56	43.60	43.66	43.45	43.43	43.40	43.47
27	43.68	43.64	43.56	43.68	43.56	43.53	43.61	43.62	43.50	43.43	43.45	43.50
28	43.64	43.62	43.65	43.63	43.52	43.53	43.61	43.61	43.46	43.41	43.46	43.43
29	43.58	43.68	43.71	43.68	---	43.64	43.63	43.66	43.40	43.38	43.48	43.41
30	43.63	43.64	43.68	43.64	---	43.61	43.63	43.67	43.38	43.37	43.46	43.49
31	43.66	---	43.66	43.61	---	43.52	---	43.55	---	43.36	43.43	---
Max	43.82	43.71	43.74	43.71	43.72	43.64	43.71	43.71	43.61	43.44	43.48	43.52
Min	43.58	43.54	43.51	43.49	43.49	43.46	43.46	43.54	43.38	43.33	43.35	43.41

480034105195401 Local number 26N49E13ACAB01—Continued



Water-Data Report 2007

471804115060501 Local number 18N28W24DCBA01

Quaternary Alluvium

Mineral County, MT

LOCATION.--Lat 47°18'04", long 115°06'05" referenced to North American Datum of 1927, in NW ¼ SW ¼ SE ¼ sec.24, T.18 N., R.28 W., Mineral County, MT, Hydrologic Unit 17010204.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 199 ft. Upper casing diameter 6 in., top of first opening undefined, bottom of last opening undefined.

DATUM.--Land-surface datum is 2649.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Gage attached to valve on north side of casing in well pit., -2.95 ft above land-surface datum, Aug. 18, 1988, to present.

REMARKS.--Montana Bureau of Mines and Geology Site Identification Number is M:73716.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
(READINGS ABOVE LAND-SURFACE INDICATED BY "+")
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: H, calibrated pressure gage. Water-level status: Z, other conditions existed that would affect the measured water level (explain in remarks); --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Feb 27	+15.51	H	Z	Apr 26	+20.35	H	--

Water year 2007 highest: +20.35 Apr 26, 2007; lowest: +20.35 Apr 26, 2007

Period of record highest: +21.27 May 20, 1996; lowest: +9.28 Aug 14, 2003

Record available from Jan 16, 1996, to Nov 29, 2007; 32 entries



Water-Data Report 2007

471814115052901 Local number 18N27W19CBB01

Alluvium

Mineral County, MT

LOCATION.--Lat 47°18'14", long 115°05'29" referenced to North American Datum of 1927, in NW ¼ NW ¼ SW ¼ sec.19, T.18 N., R.27 W., Mineral County, MT, Hydrologic Unit 17010204.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 58 ft. Upper casing diameter 6 in., top of first opening 58 ft, bottom of last opening undefined.

DATUM.--Land-surface datum is 2680 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.0 ft above land-surface datum, Nov. 1, 1996, to present.

REMARKS.--Montana Bureau of Mines and Geology Site Identification Number is M:159523.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Dec 6	11.68	V	--	Apr 24	11.74	V	--
Feb 27	11.82	V	--	Aug 21	12.71	V	--

Water year 2007 highest: 11.68 Dec 06, 2006; lowest: 12.71 Aug 21, 2007

Period of record highest: 5.26 Jun 03, 2003; lowest: 13.20 Nov 14, 2001 Dec 15, 2005

Record available from Sep 27, 2001, to Nov 29, 2007; 26 entries

Water-Data Report 2007

471751115045001 Local number 18N27W30ABBA01

Quaternary Alluvium

Mineral County, MT

LOCATION.--Lat 47°17'51", long 115°04'50" referenced to North American Datum of 1927, in NW ¼ NW ¼ NE ¼ sec.30, T.18 N., R.27 W., Mineral County, MT, Hydrologic Unit 17010204.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 192 ft. Upper casing diameter 6 in., top of first opening undefined, bottom of last opening undefined.

DATUM.--Land-surface datum is 2740 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing on north side, 1.32 ft above land-surface datum, Oct. 18, 1980, to present.

REMARKS.--Montana Bureau of Mines and Geology Site Identification Number is M:73642.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Dec 6	145.16	V	--	Apr 24	145.53	V	--
Feb 27	145.68	V	--	Aug 21	146.52	V	--

Water year 2007 highest: 145.16 Dec 06, 2006; lowest: 146.52 Aug 21, 2007

Period of record highest: 137.89 May 20, 1996; lowest: 147.53 Mar 10, 1997

Record available from Feb 26, 1996, to Nov 29, 2007; 33 entries



Water-Data Report 2007

471207114555401 Local number 17N26W30DAAD01

Alluvium

Mineral County, MT

LOCATION.--Lat 47°12'07", long 114°55'54" referenced to North American Datum of 1927, in NE ¼ NE ¼ SE ¼ sec.30, T.17 N., R.26 W., Mineral County, MT, Hydrologic Unit 17010204.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 318 ft. Upper casing diameter 6 in., top of first opening undefined, bottom of last opening undefined.

DATUM.--Land-surface datum is 2830 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing through access hole, 0.57 ft above land-surface datum, Oct. 13, 1977, to present.

REMARKS.--Montana Bureau of Mines and Geology Site Identification number is M:73165.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: S, steel tape. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Dec 6	191.85	S	--	Apr 26	192.00	S	--
Feb 27	192.09	S	--	Aug 21	192.25	S	--

Water year 2007 highest: 191.85 Dec 06, 2006; lowest: 192.25 Aug 21, 2007

Period of record highest: 183.53 Jul 03, 1996; lowest: 192.89 Mar 06, 2006

Record available from Jul 03, 1996, to Nov 29, 2007; 32 entries

Water-Data Report 2007

453107106110601 Local number 04S45E04BDDB01

Quaternary Alluvium

Powder River County, MT

LOCATION.--Lat 45°31'07", long 106°11'06" referenced to North American Datum of 1927, in SE ¼ SE ¼ NW ¼ sec.4, T.4 S., R.45 E., Powder River County, MT, Hydrologic Unit 10090102, Owner: U.S. Geological Survey.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 68 ft. Upper casing diameter 4 in., top of first opening 7 ft, bottom of last opening 68 ft. Drilled in December 1979. Well was drilled and cased to 70 ft, screened from 7 ft to 70 ft.

DATUM.--Land-surface datum is 3020 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.70 ft above land-surface datum, Dec. 7, 1979, to present. Reference point established Sept 16, 2003: top of steel rod 21 ft northeast of well, 1.66 ft below measuring point.

PERIOD OF RECORD.--Measured intermittently from December 1979 to April 1980, continuous recorded April 1980 to current year.

GAGE.--Graphical water-level recorder from April 1980 to October 1982. Digital water-level recorder set to record every 12 hours from October 1982 to November 1996. Reset to record every 4 hours from November 1996 to current year.

REMARKS.--All water levels reported below land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Highest instantaneous water level, 0.63 ft, June 7, 2007 (from recorder); lowest, 11.45 ft, Oct. 5, 1992 (from recorder).

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 0.63 ft, June 7 (from recorder); lowest, 8.53 ft, Oct. 3 (from recorder).

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: S, steel tape; V, calibrated electric tape--accuracy of instrument has been checked; . Water-level status: --, static.]

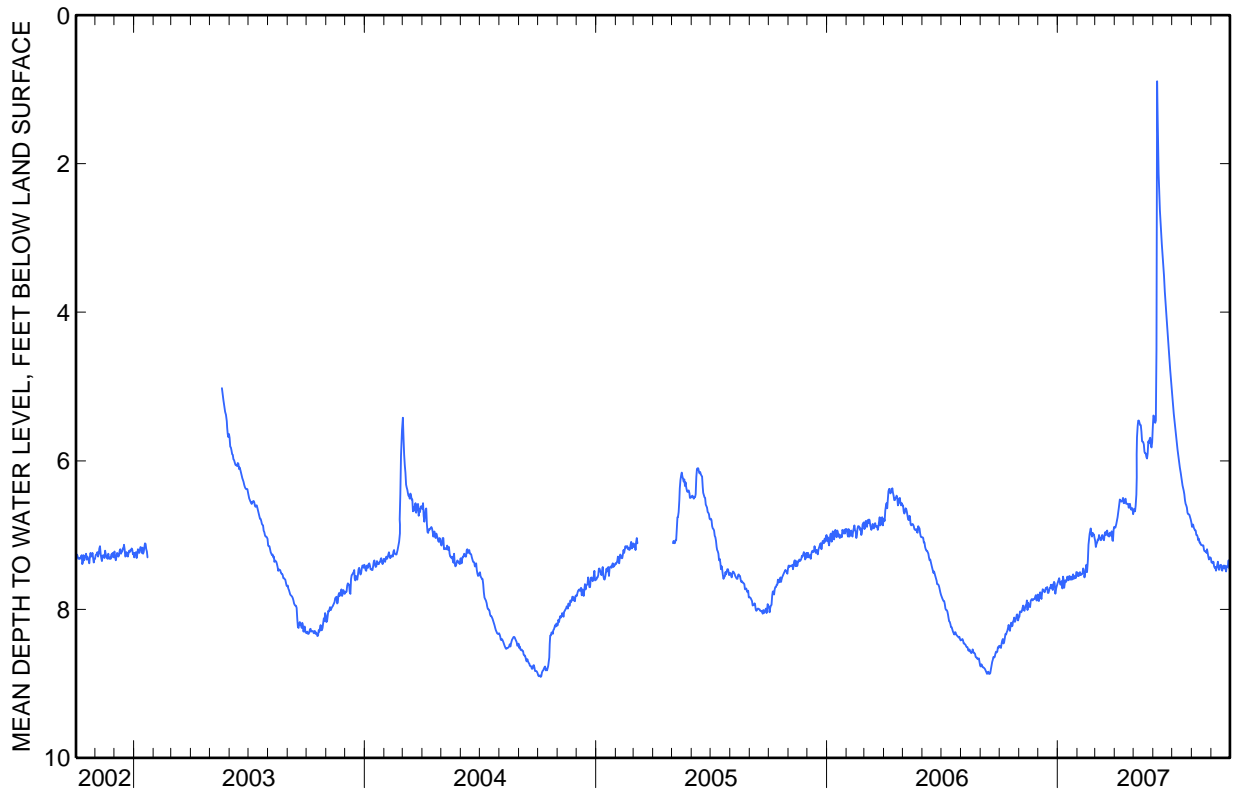
Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 16	8.20	S	--	Jun 12	2.70	V	--
Feb 21	6.97	S	--	Jul 16	6.24	S	--
Mar 14	7.06	S	--				

453107106110601 Local number 04S45E04BDD01—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.50	8.10	7.87	7.64	7.55	7.08	6.90	6.68	5.39	5.13	6.89	7.37
2	8.50	8.03	7.89	7.60	7.51	7.16	6.90	6.65	5.40	5.23	6.86	7.36
3	8.52	8.03	7.81	7.58	7.55	7.12	6.88	6.68	5.45	5.36	6.86	7.38
4	8.46	8.04	7.77	7.64	7.54	7.10	6.81	6.61	5.49	5.44	6.90	7.36
5	8.42	8.02	7.82	7.67	7.50	7.06	6.79	6.45	5.46	5.52	6.92	7.42
6	8.40	7.98	7.86	7.65	7.54	7.07	6.74	5.73	4.50	5.57	6.94	7.44
7	8.46	7.95	7.78	7.62	7.53	7.00	6.66	5.52	0.89	5.67	6.94	7.43
8	8.44	8.01	7.73	7.72	7.53	7.04	6.59	5.46	1.50	5.76	7.00	7.48
9	8.39	8.02	7.74	7.56	7.51	7.05	6.52	5.46	1.99	5.84	7.00	7.44
10	8.33	7.98	7.75	7.61	7.45	7.07	6.54	5.49	2.29	5.93	7.02	7.40
11	8.34	7.95	7.77	7.71	7.47	7.03	6.55	5.52	2.57	5.97	7.07	7.36
12	8.31	7.95	7.74	7.65	7.57	7.00	6.55	5.52	2.74	6.03	7.05	7.42
13	8.29	7.88	7.71	7.61	7.51	7.03	6.53	5.61	2.88	6.09	7.10	7.47
14	8.25	8.01	7.72	7.63	7.50	7.06	6.50	5.74	3.04	6.15	7.10	7.41
15	8.21	7.91	7.70	7.61	7.40	7.07	6.57	5.74	3.18	6.20	7.13	7.41
16	8.26	7.94	7.78	7.56	7.50	6.99	6.57	5.75	3.27	6.26	7.13	7.40
17	8.29	7.96	7.78	7.59	7.38	6.96	6.52	5.78	3.40	6.31	7.14	7.47
18	8.22	7.97	7.75	7.61	7.18	7.00	6.51	5.88	3.58	6.38	7.14	7.48
19	8.18	7.89	7.71	7.55	7.06	6.96	6.58	5.90	3.72	6.40	7.14	7.42
20	8.23	7.87	7.71	7.56	6.99	6.94	6.58	5.90	3.85	6.45	7.20	7.41
21	8.22	7.86	7.67	7.60	6.97	7.01	6.58	5.95	3.98	6.53	7.22	7.45
22	8.17	7.88	7.72	7.56	6.91	6.99	6.58	5.97	4.08	6.58	7.22	7.41
23	8.15	7.87	7.67	7.60	6.99	7.02	6.63	5.90	4.20	6.60	7.22	7.45
24	8.11	7.86	7.74	7.59	7.02	6.97	6.63	5.74	4.32	6.63	7.24	7.49
25	8.17	7.86	7.66	7.53	6.97	6.98	6.58	5.76	4.50	6.70	7.19	7.42
26	8.15	7.83	7.63	7.59	7.00	7.01	6.63	5.71	4.62	6.72	7.24	7.43
27	8.12	7.81	7.65	7.57	6.99	6.95	6.66	5.69	4.69	6.72	7.29	7.40
28	8.07	7.88	7.79	7.55	7.04	7.07	6.64	5.80	4.77	6.73	7.33	7.34
29	8.07	7.88	7.73	7.58	---	7.08	6.64	5.82	4.88	6.76	7.30	7.45
30	8.15	7.80	7.69	7.50	---	6.93	6.72	5.75	5.03	6.79	7.30	7.45
31	8.11	---	7.66	7.50	---	6.89	---	5.55	---	6.83	7.31	---
Max	8.52	8.10	7.89	7.72	7.57	7.16	6.90	6.68	5.49	6.83	7.33	7.49
Min	8.07	7.80	7.63	7.50	6.91	6.89	6.50	5.46	0.89	5.13	6.86	7.34

453107106110601 Local number 04S45E04BDDDB01—Continued





Water-Data Report 2007

470049113035401 Local number 15N12W36BCDD01

Cenozoic Erathem

Powell County, MT

LOCATION.--Lat 47°00'49", long 113°03'54" referenced to North American Datum of 1927, in SE ¼ SW ¼ NW ¼ sec.36, T.15 N., R.12 W., Powell County, MT, Hydrologic Unit 17010203, Owner: Montana Department of Transportation.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 206 ft. Upper casing diameter 6 in., top of first opening undefined, bottom of last opening undefined. Drilled in September 1964.

DATUM.--Land-surface datum is 4278 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter, 1.09 ft above land-surface datum, April 2003 to present. Reference point established July 15, 2003: top of steel rod 40 ft northwest of well by fence corner, 3.14 ft above measuring point.

PERIOD OF RECORD.--Measured periodically from 1975 to 1991 and recorded every hour from April 1991 to current year.

GAGE.--Digital water-level recorder installed April 1991 and set to record every hour from April 1991 to current year.

REMARKS.--All water levels reported below land-surface datum. Montana Bureau of Mines and Geology sampled well May 7, 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest instantaneous water level, 95.90 ft, Dec. 12, 1991 (measured); lowest, 126.72 ft, Oct. 11, 1984 (measured).

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 104.27, June 6 (from recorder); lowest, 105.23 ft, Oct. 9 (from recorder).

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: S, steel tape; V, calibrated electric tape--accuracy of instrument has been checked; . Water-level status: --, static.]

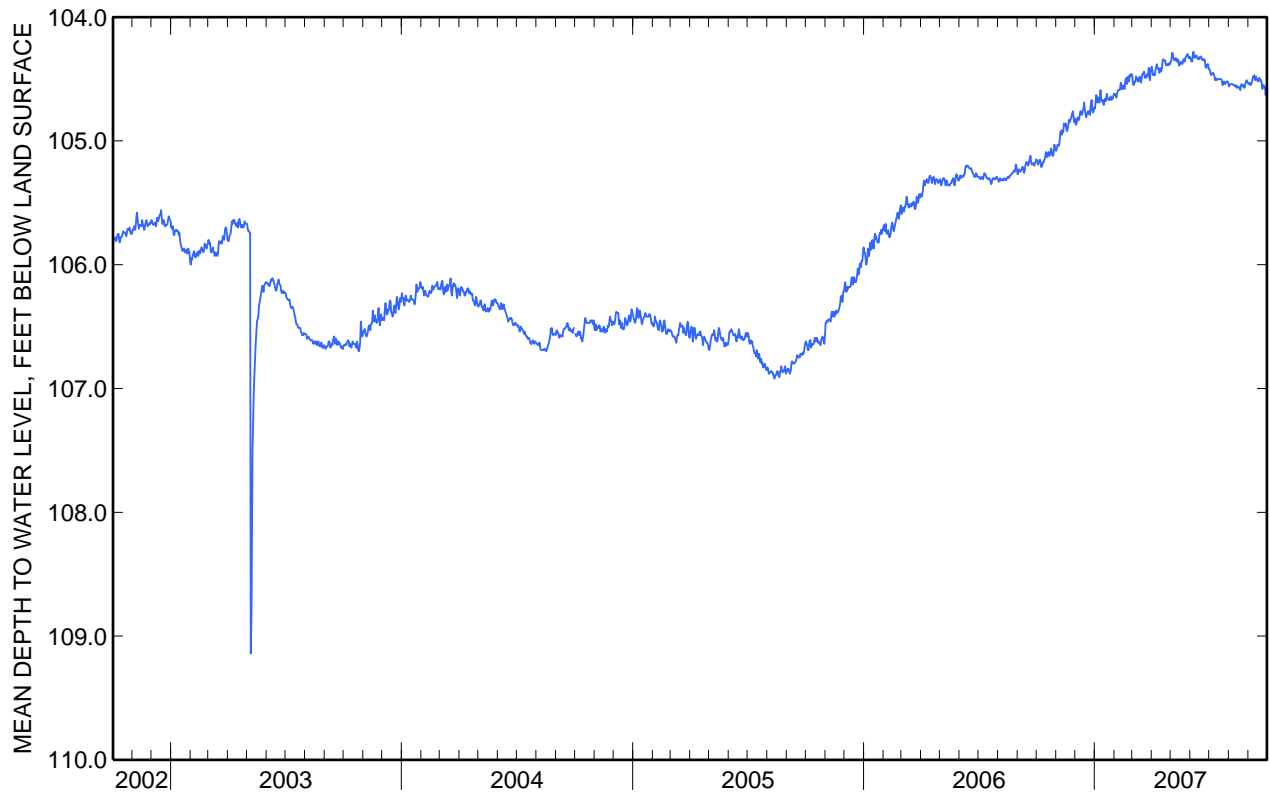
Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 4	105.17	S	--	Aug 16	104.56	V	--
Feb 21	104.50	S	--				

470049113035401 Local number 15N12W36BCDD01—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	105.15	105.08	104.83	104.74	104.63	104.47	104.40	104.36	104.33	104.42	104.56	104.54
2	105.17	105.05	104.87	104.69	104.62	104.53	104.43	104.35	104.34	104.43	104.55	104.54
3	105.19	105.03	104.86	104.63	104.63	104.55	104.47	104.29	104.36	104.46	104.54	104.53
4	105.18	105.04	104.82	104.64	104.65	104.54	104.46	104.29	104.36	104.47	104.54	104.55
5	105.16	105.04	104.81	104.69	104.62	104.52	104.47	104.33	104.30	104.46	104.54	104.54
6	105.15	105.01	104.83	104.65	104.60	104.52	104.47	104.34	104.28	104.45	104.54	104.53
7	105.17	104.94	104.83	104.67	104.59	104.48	104.42	104.35	104.32	104.45	104.54	104.51
8	105.21	104.92	104.79	104.69	104.59	104.49	104.40	104.34	104.33	104.46	104.55	104.48
9	105.21	104.94	104.76	104.63	104.59	104.50	104.38	104.33	104.32	104.48	104.55	104.48
10	105.19	104.95	104.76	104.59	104.57	104.52	104.41	104.35	104.31	104.51	104.55	104.47
11	105.17	104.91	104.79	104.66	104.53	104.52	104.42	104.36	104.31	104.49	104.56	104.50
12	105.17	104.93	104.78	104.68	104.58	104.49	104.42	104.34	104.33	104.50	104.55	104.51
13	105.15	104.86	104.75	104.67	104.58	104.48	104.45	104.35	104.34	104.51	104.57	104.48
14	105.14	104.88	104.74	104.69	104.58	104.50	104.41	104.39	104.33	104.50	104.57	104.50
15	105.10	104.88	104.69	104.71	104.55	104.53	104.43	104.39	104.34	104.50	104.56	104.51
16	105.09	104.86	104.75	104.67	104.57	104.50	104.44	104.37	104.32	104.50	104.56	104.52
17	105.13	104.91	104.78	104.66	104.58	104.46	104.41	104.36	104.32	104.50	104.57	104.50
18	105.13	104.92	104.81	104.68	104.51	104.46	104.35	104.37	104.32	104.50	104.58	104.49
19	105.10	104.90	104.79	104.65	104.51	104.45	104.34	104.38	104.34	104.50	104.59	104.50
20	105.09	104.87	104.78	104.62	104.49	104.44	104.35	104.37	104.34	104.50	104.55	104.52
21	105.12	104.83	104.76	104.66	104.54	104.49	104.35	104.34	104.35	104.52	104.54	104.51
22	105.11	104.85	104.78	104.66	104.50	104.48	104.35	104.34	104.34	104.55	104.55	104.54
23	105.09	104.83	104.76	104.67	104.48	104.49	104.38	104.36	104.34	104.54	104.56	104.58
24	105.06	104.82	104.79	104.67	104.52	104.47	104.39	104.33	104.35	104.52	104.55	104.55
25	105.09	104.80	104.74	104.65	104.47	104.46	104.38	104.32	104.40	104.53	104.57	104.55
26	105.12	104.78	104.69	104.64	104.48	104.48	104.38	104.31	104.41	104.54	104.57	104.56
27	105.12	104.76	104.67	104.67	104.46	104.41	104.39	104.30	104.39	104.53	104.54	104.57
28	105.09	104.80	104.76	104.66	104.46	104.47	104.38	104.30	104.38	104.52	104.52	104.63
29	105.03	104.85	104.77	104.66	---	104.51	104.37	104.33	104.38	104.52	104.51	104.59
30	105.07	104.82	104.76	104.64	---	104.44	104.38	104.33	104.42	104.52	104.52	104.56
31	105.07	---	104.73	104.62	---	104.41	---	104.32	---	104.54	104.53	---
Max	105.21	105.08	104.87	104.74	104.65	104.55	104.47	104.39	104.42	104.55	104.59	104.63
Min	105.03	104.76	104.67	104.59	104.46	104.41	104.34	104.29	104.28	104.42	104.51	104.47

470049113035401 Local number 15N12W36BCDD01—Continued





Water-Data Report 2007

463750114033001 Local number 10N20W13BBA 01

Holocene Alluvium

Ravalli County, MT

LOCATION.--Lat 46°37'54", long 114°03'40" referenced to North American Datum of 1927, in NE ¼ NW ¼ NW ¼ sec.13, T.10 N., R.20 W., Ravalli County, MT, Hydrologic Unit 17010205, Owner: Bonneville Power Administration.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 50.5 ft. Upper casing diameter 6 in., top of first opening undefined, bottom of last opening undefined. Drilled in September 1959.

DATUM.--Land-surface datum is 3204 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 2.00 ft above land-surface datum, September 14, 1959, to present. Reference point established July 14, 2003: top of steel rod 45 ft east of well in southwest corner of concrete pad, 0.58 ft below measuring point.

PERIOD OF RECORD.--Measured periodically from 1959 to 1982 and recorded every hour from April 1991 to current year.

GAGE.--Digital water-level recorder set to record every hour from April 1991 to current year.

REMARKS.--All water levels reported below land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Highest instantaneous water level, 2.48 ft, June 15, 1959 (measured); lowest, 7.21 ft, Sept. 21, 1977 (measured).

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 4.17 ft, June 7 (from recorder); lowest, 6.19 ft, Sept. 15-18 and 20-22 (from recorder).

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: S, steel tape; . Water-level status: --, static.]

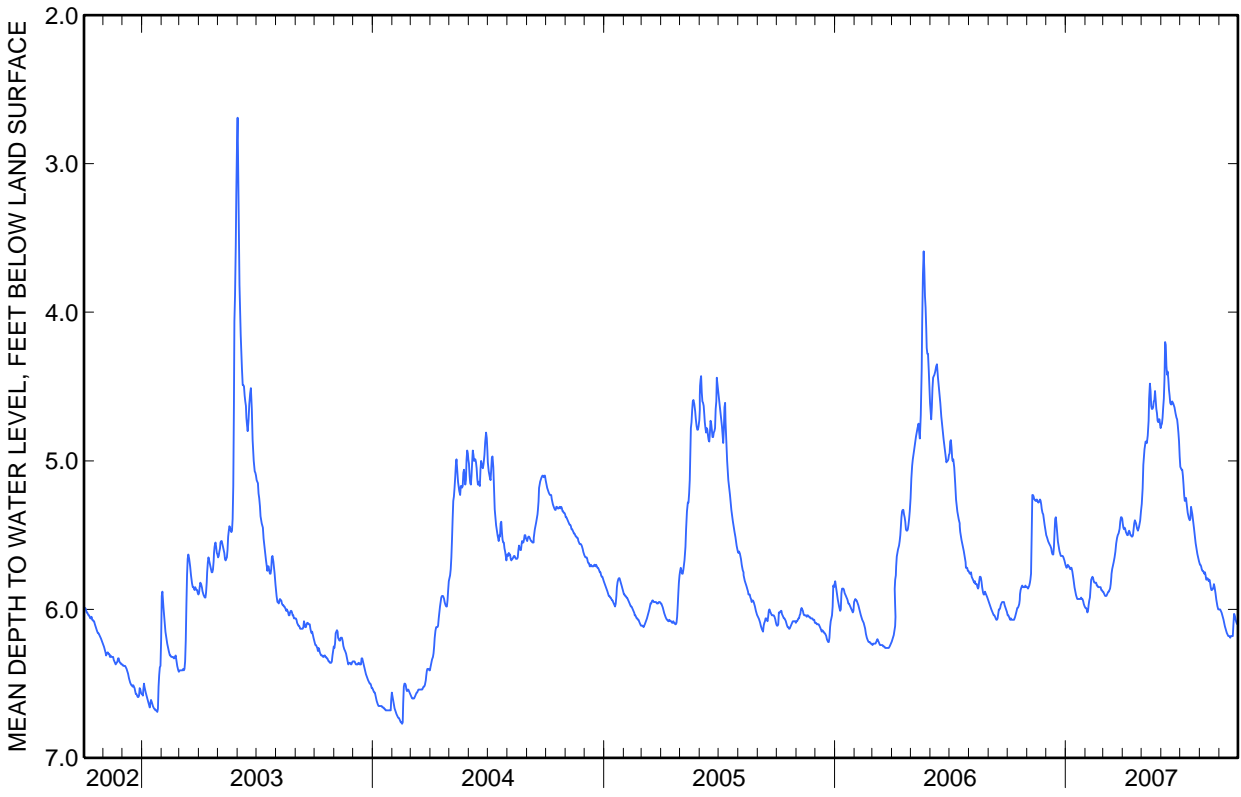
Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Nov 13	5.26	S	--	May 24	4.65	S	--
Jan 9	5.74	S	--	Jul 12	5.32	S	--
Feb 27	5.87	S	--	Aug 22	5.86	S	--
Apr 10	5.48	S	--				

463750114033001 Local number 10N20W13BBA 01—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.04	5.85	5.50	5.71	5.99	5.88	5.42	5.29	4.76	5.04	5.70	6.00
2	6.04	5.86	5.51	5.72	5.99	5.89	5.45	5.21	4.75	5.05	5.70	6.00
3	6.05	5.85	5.53	5.71	6.00	5.90	5.46	5.10	4.71	5.06	5.71	6.01
4	6.06	5.84	5.54	5.70	6.02	5.91	5.45	4.98	4.64	5.06	5.73	6.02
5	6.07	5.82	5.55	5.71	6.01	5.91	5.46	4.93	4.58	5.10	5.74	6.03
6	6.06	5.80	5.56	5.71	5.97	5.91	5.48	4.91	4.45	5.16	5.74	6.05
7	6.07	5.76	5.57	5.72	5.94	5.90	5.49	4.87	4.20	5.23	5.75	6.06
8	6.07	5.50	5.58	5.73	5.92	5.89	5.50	4.87	4.22	5.27	5.76	6.09
9	6.07	5.23	5.59	5.72	5.86	5.88	5.50	4.88	4.36	5.25	5.75	6.11
10	6.07	5.23	5.62	5.72	5.80	5.88	5.48	4.86	4.42	5.25	5.77	6.12
11	6.07	5.24	5.63	5.74	5.79	5.87	5.47	4.78	4.40	5.30	5.80	6.14
12	6.06	5.26	5.63	5.76	5.78	5.86	5.48	4.68	4.45	5.32	5.80	6.15
13	6.04	5.26	5.58	5.80	5.79	5.83	5.50	4.57	4.52	5.35	5.79	6.16
14	6.03	5.27	5.48	5.83	5.81	5.78	5.50	4.48	4.56	5.38	5.80	6.17
15	6.01	5.27	5.39	5.86	5.82	5.74	5.51	4.53	4.61	5.39	5.81	6.18
16	5.99	5.26	5.38	5.88	5.82	5.71	5.51	4.63	4.62	5.40	5.80	6.18
17	5.99	5.27	5.43	5.90	5.82	5.69	5.50	4.65	4.62	5.39	5.82	6.18
18	5.98	5.28	5.48	5.92	5.82	5.68	5.46	4.65	4.60	5.31	5.85	6.19
19	5.97	5.28	5.52	5.93	5.84	5.65	5.42	4.64	4.61	5.33	5.87	6.18
20	5.94	5.27	5.56	5.93	5.84	5.62	5.40	4.60	4.62	5.35	5.87	6.18
21	5.88	5.26	5.59	5.93	5.85	5.58	5.41	4.59	4.63	5.40	5.86	6.18
22	5.86	5.27	5.61	5.93	5.85	5.54	5.42	4.53	4.64	5.43	5.86	6.18
23	5.85	5.30	5.62	5.93	5.85	5.52	5.44	4.59	4.66	5.46	5.83	6.10
24	5.84	5.33	5.64	5.93	5.85	5.50	5.46	4.65	4.70	5.51	5.84	6.03
25	5.85	5.35	5.64	5.92	5.85	5.49	5.47	4.68	4.71	5.56	5.87	6.04
26	5.85	5.36	5.64	5.93	5.87	5.48	5.45	4.73	4.72	5.59	5.90	6.06
27	5.85	5.39	5.64	5.93	5.87	5.45	5.44	4.74	4.76	5.61	5.94	6.08
28	5.85	5.41	5.65	5.94	5.88	5.41	5.42	4.72	4.81	5.62	5.96	6.09
29	5.84	5.45	5.66	5.96	---	5.38	5.38	4.72	4.87	5.64	5.98	6.10
30	5.85	5.47	5.68	5.97	---	5.38	5.33	4.76	4.97	5.66	6.00	6.10
31	5.85	---	5.69	5.98	---	5.39	---	4.78	---	5.69	6.00	---
Max	6.07	5.86	5.69	5.98	6.02	5.91	5.51	5.29	4.97	5.69	6.00	6.19
Min	5.84	5.23	5.38	5.70	5.78	5.38	5.33	4.48	4.20	5.04	5.70	6.00

463750114033001 Local number 10N20W13BBA 01—Continued





Water-Data Report 2007

461518114090802 Local number 06N20W19CCC02

Quaternary Alluvium

Ravalli County, MT

LOCATION.--Lat 46°15'20", long 114°09'15" referenced to North American Datum of 1927, in SW ¼ SW ¼ SW ¼ sec.19, T.6 N., R.20 W., Ravalli County, MT, Hydrologic Unit 17010205, Owner: Bonneville Power Administration.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 40 ft. Upper casing diameter 6 in., top of first opening undefined, bottom of last opening undefined. Drilled in September 1970.

DATUM.--Land-surface datum is 3558.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.30 ft above land-surface datum, Dec. 6, 1981, to present. Reference point established July 14, 2003: north plug of 4 in. round ring on fire hydrant, 0.57 ft below measuring point.

PERIOD OF RECORD.--September 1970 to current year.

GAGE.--Graphic recorder from September 1970 to January 1985. Digital water-level recorder set to record every hour from January 1985 to current year.

REMARKS.--All water levels reported below land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Highest instantaneous water level, 5.48 ft, Sept. 2, 1979 (from recorder); lowest, 18.32 ft, May 1, 1985 (measured).

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 7.95 ft, July 16-24 (from recorder); lowest, 17.95 ft, Apr. 16 (from recorder).

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: S, steel tape; . Water-level status: --, static.]

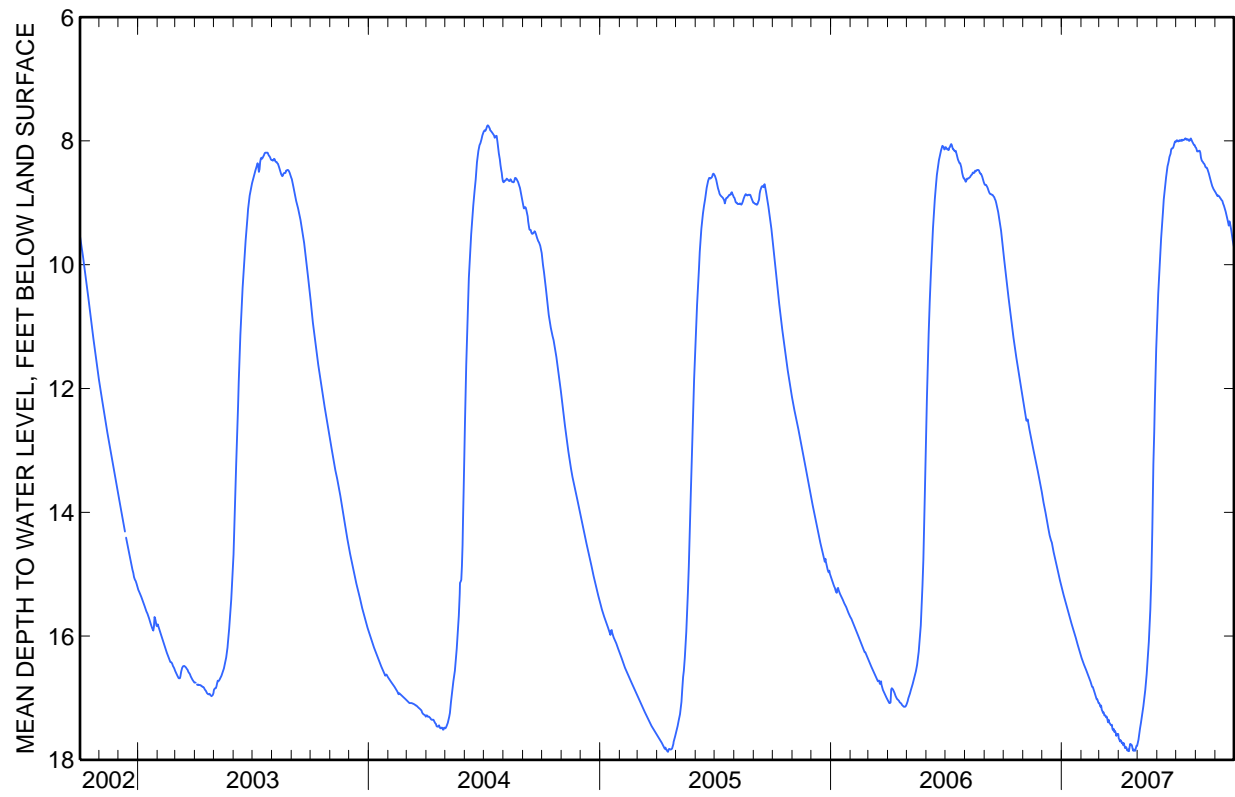
Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Nov 13	12.81	S	--	May 24	14.28	S	--
Jan 17	15.85	S	--	Jul 11	8.00	S	--
Feb 27	17.06	S	--	Aug 22	8.55	S	--
Apr 10	17.81	S	--				

461518114090802 Local number 06N20W19CCCC02—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.85	12.22	13.73	15.23	16.34	17.08	17.65	17.71	10.83	8.00	8.11	8.83
2	9.94	12.28	13.78	15.27	16.37	17.11	17.67	17.69	10.58	7.99	8.13	8.85
3	10.03	12.34	13.84	15.31	16.40	17.14	17.70	17.61	10.36	8.00	8.17	8.87
4	10.12	12.40	13.89	15.34	16.44	17.12	17.68	17.54	10.16	8.01	8.17	8.89
5	10.21	12.46	13.94	15.38	16.46	17.19	17.70	17.45	9.97	8.00	8.17	8.88
6	10.30	12.52	14.00	15.42	16.48	17.21	17.73	17.40	9.77	7.99	8.16	8.89
7	10.40	12.52	14.06	15.46	16.51	17.24	17.72	17.32	9.58	8.00	8.16	8.90
8	10.49	12.50	14.11	15.50	16.53	17.23	17.76	17.23	9.43	8.00	8.19	8.92
9	10.57	12.57	14.17	15.53	16.56	17.28	17.73	17.22	9.26	7.98	8.27	8.93
10	10.66	12.63	14.23	15.56	16.60	17.28	17.77	17.12	9.13	8.00	8.31	8.95
11	10.74	12.68	14.29	15.60	16.62	17.28	17.81	16.99	8.97	7.98	8.33	8.96
12	10.82	12.74	14.34	15.64	16.65	17.31	17.79	16.97	8.86	7.99	8.34	8.97
13	10.90	12.79	14.39	15.68	16.67	17.30	17.80	16.87	8.75	7.98	8.36	9.01
14	10.98	12.85	14.44	15.71	16.71	17.34	17.84	16.76	8.64	7.98	8.37	9.03
15	11.06	12.91	14.45	15.75	16.72	17.39	17.85	16.63	8.58	7.96	8.39	9.07
16	11.14	12.93	14.49	15.79	16.75	17.35	17.83	16.48	8.50	7.96	8.42	9.10
17	11.22	12.98	14.54	15.82	16.78	17.40	17.86	16.38	8.41	7.98	8.43	9.14
18	11.30	13.03	14.59	15.86	16.82	17.41	17.79	16.23	8.37	7.98	8.43	9.19
19	11.38	13.09	14.64	15.90	16.82	17.43	17.74	16.05	8.32	7.97	8.45	9.22
20	11.43	13.14	14.68	15.93	16.85	17.44	17.76	15.81	8.26	7.98	8.48	9.27
21	11.50	13.19	14.73	15.96	16.89	17.43	17.75	15.47	8.23	8.00	8.52	9.32
22	11.56	13.23	14.78	15.99	16.91	17.50	17.77	15.11	8.21	8.00	8.56	9.37
23	11.63	13.28	14.83	16.03	16.96	17.52	17.82	14.68	8.14	7.97	8.59	9.30
24	11.69	13.33	14.88	16.07	16.98	17.50	17.85	14.26	8.12	7.96	8.62	9.33
25	11.76	13.39	14.92	16.10	17.02	17.55	17.83	13.75	8.12	7.98	8.66	9.39
26	11.83	13.44	14.96	16.14	17.02	17.53	17.85	13.26	8.11	8.01	8.70	9.46
27	11.89	13.50	15.00	16.18	17.05	17.56	17.85	12.70	8.08	8.03	8.73	9.53
28	11.95	13.56	15.05	16.21	17.08	17.61	17.81	12.23	8.04	8.05	8.76	9.59
29	12.02	13.62	15.10	16.24	---	17.58	17.77	11.80	8.01	8.07	8.78	9.65
30	12.09	13.67	15.14	16.28	---	17.59	17.77	11.44	8.02	8.07	8.80	9.71
31	12.15	---	15.18	16.31	---	17.58	---	11.11	---	8.10	8.82	---
Max	12.15	13.67	15.18	16.31	17.08	17.61	17.86	17.71	10.83	8.10	8.82	9.71
Min	9.85	12.22	13.73	15.23	16.34	17.08	17.65	11.11	8.01	7.96	8.11	8.83

461518114090802 Local number 06N20W19CCCC02—Continued



Water-Data Report 2007

451746106301101 Local number 06S43E19DDBA02

Quaternary Alluvium

Rosebud County, MT

LOCATION.--Lat 45°17'46", long 106°30'11" referenced to North American Datum of 1927, in NW ¼ SE ¼ SE ¼ sec.19, T.6 S., R.43 E., Rosebud County, MT, Hydrologic Unit 10090101, Owner: U.S. Geological Survey.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 67 ft. Upper casing diameter 4 in., top of first opening 16 ft, bottom of last opening 61 ft. Drilled in October 1986.

DATUM.--Land-surface datum is 3170 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.40 ft above land-surface datum, April 19, 1989, to present. Reference point established Sept, 16, 2003: top of steel rod 1.0 ft south of southwest corner of recorder shelter, 1.13 ft below measuring point.

PERIOD OF RECORD.--April 1987 to current year.

GAGE.--Digital water-level recorder from April 1989 to current year.

REMARKS.--All water levels reported below land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Highest instantaneous water level, 6.47 ft, Apr. 7, 1987 (measured); lowest, 12.10 ft, Oct. 3,9-20, 2006 (from recorder and measured).

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 6.70 ft, June 10 and 11 (from recorder); lowest, 12.10 ft, Oct. 3, 9-20 (from recorder and measured).

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

[Measurement method: S, steel tape; V, calibrated electric tape--accuracy of instrument has been checked; . Water-level status: --, static.]

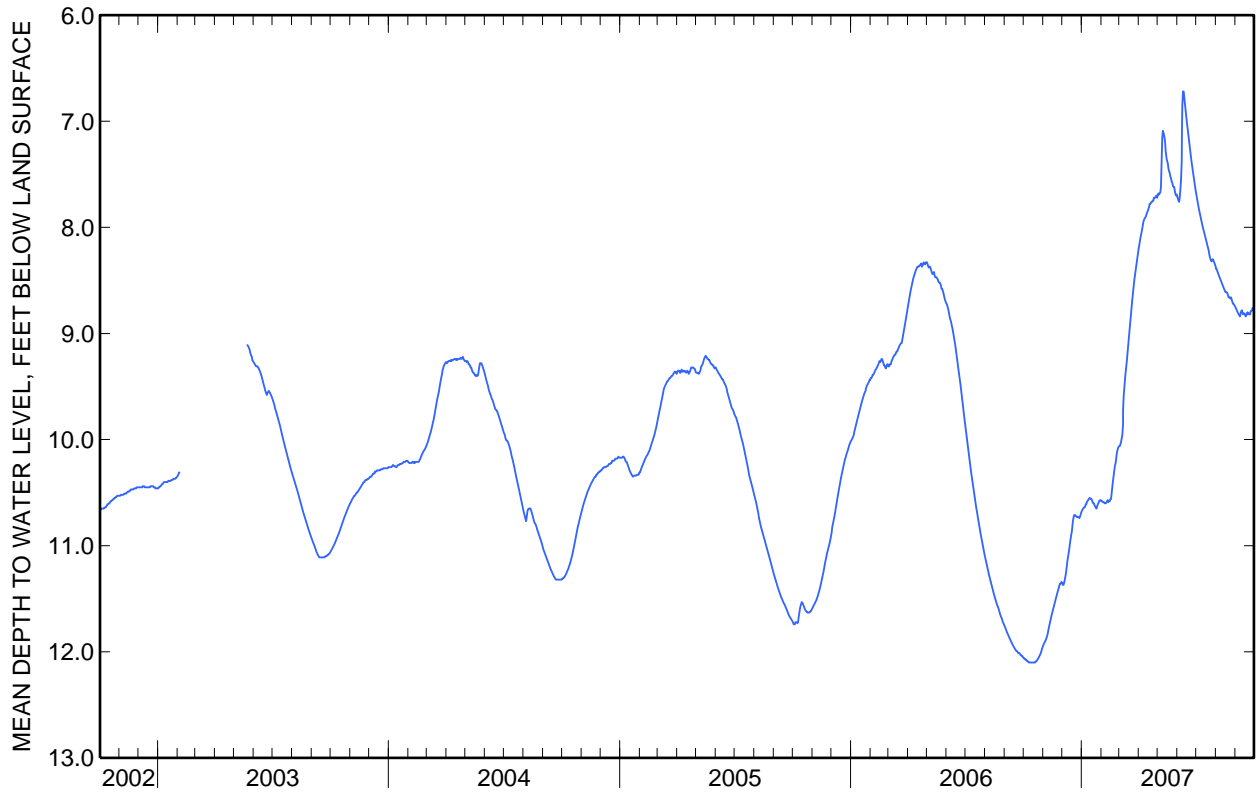
Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 3, 2006	12.10	S	--	Jun 5, 2007	7.74	V	--
Feb 21, 2007	10.35	S	--				

451746106301101 Local number 06S43E19DDBA02—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12.06	11.94	11.35	10.67	10.58	10.06	8.19	7.70	7.71	7.68	8.39	8.76
2	12.06	11.92	11.37	10.66	10.58	10.06	8.16	7.68	7.73	7.72	8.39	8.77
3	12.07	11.91	11.37	10.65	10.59	10.04	8.13	7.69	7.75	7.76	8.41	8.78
4	12.07	11.90	11.35	10.64	10.59	10.02	8.09	7.68	7.76	7.80	8.43	8.79
5	12.08	11.89	11.32	10.64	10.59	9.99	8.06	7.67	7.68	7.83	8.44	8.81
6	12.08	11.87	11.29	10.63	10.60	9.95	8.03	7.62	7.65	7.85	8.46	8.82
7	12.09	11.85	11.25	10.61	10.60	9.78	7.99	7.39	7.56	7.88	8.47	8.83
8	12.09	11.83	11.20	10.61	10.60	9.60	7.96	7.16	7.28	7.91	8.49	8.84
9	12.10	11.80	11.15	10.59	10.59	9.50	7.93	7.09	6.86	7.94	8.50	8.81
10	12.10	11.77	11.11	10.58	10.58	9.44	7.92	7.11	6.72	7.97	8.52	8.79
11	12.10	11.74	11.07	10.57	10.57	9.39	7.91	7.14	6.72	7.99	8.54	8.78
12	12.10	11.71	11.03	10.56	10.59	9.33	7.90	7.16	6.78	8.02	8.55	8.80
13	12.10	11.68	10.98	10.55	10.58	9.27	7.88	7.23	6.83	8.04	8.57	8.82
14	12.10	11.66	10.94	10.55	10.58	9.21	7.86	7.31	6.89	8.06	8.58	8.81
15	12.10	11.63	10.90	10.56	10.56	9.14	7.85	7.35	6.96	8.08	8.60	8.81
16	12.10	11.61	10.86	10.56	10.56	9.06	7.83	7.37	7.00	8.11	8.61	8.82
17	12.10	11.59	10.81	10.57	10.52	8.99	7.81	7.40	7.05	8.13	8.61	8.84
18	12.10	11.56	10.76	10.59	10.46	8.93	7.78	7.45	7.12	8.16	8.61	8.83
19	12.10	11.54	10.72	10.60	10.40	8.86	7.78	7.47	7.18	8.18	8.62	8.81
20	12.09	11.52	10.71	10.60	10.36	8.78	7.77	7.49	7.22	8.20	8.64	8.80
21	12.09	11.49	10.71	10.62	10.31	8.73	7.76	7.52	7.27	8.24	8.66	8.82
22	12.08	11.47	10.72	10.63	10.26	8.67	7.76	7.54	7.32	8.27	8.66	8.81
23	12.07	11.45	10.72	10.64	10.23	8.61	7.75	7.57	7.36	8.29	8.66	8.82
24	12.06	11.42	10.73	10.65	10.19	8.55	7.75	7.58	7.40	8.31	8.67	8.82
25	12.05	11.40	10.73	10.63	10.14	8.49	7.72	7.61	7.46	8.32	8.66	8.79
26	12.04	11.39	10.73	10.61	10.11	8.45	7.72	7.62	7.51	8.31	8.68	8.79
27	12.03	11.36	10.73	10.60	10.08	8.39	7.72	7.62	7.54	8.30	8.70	8.78
28	12.01	11.36	10.74	10.58	10.07	8.36	7.71	7.66	7.56	8.31	8.72	8.76
29	11.99	11.35	10.73	10.58	---	8.33	7.70	7.69	7.60	8.33	8.72	8.78
30	11.97	11.34	10.70	10.57	---	8.27	7.72	7.70	7.64	8.34	8.73	8.79
31	11.95	---	10.69	10.57	---	8.22	---	7.69	---	8.36	8.74	---
Max	12.10	11.94	11.37	10.67	10.60	10.06	8.19	7.70	7.76	8.36	8.74	8.84
Min	11.95	11.34	10.69	10.55	10.07	8.22	7.70	7.09	6.72	7.68	8.39	8.76

451746106301101 Local number 06S43E19DDBA02—Continued





Water-Data Report 2007

474251114385201 Local number 23N24W34ADAA01

Quaternary Alluvium

Sanders County, MT

LOCATION.--Lat 47°42'51", long 114°38'52" referenced to North American Datum of 1927, in NE ¼ SE ¼ NE ¼ sec.34, T.23 N., R.24 W., Sanders County, MT, Hydrologic Unit 17010212, Owner: Bureau of Indian Affairs.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 377 ft. Upper casing diameter 20 in., top of first opening 300 ft, bottom of last opening 377 ft. Drilled in February 1941.

DATUM.--Land-surface datum is 2878.57 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.00 ft above land-surface datum, Mar. 2, 1943, to present. Reference point established Oct. 29, 2003: rebar 3 ft northeast of well shelter outside of northeast corner of shelter fence, 1.79 ft below measuring point.

PERIOD OF RECORD.--March to May 1943, October 1970 to current year.

GAGE.--Graphical water-level recorder from January 1971 to January 1985. Digital water-level recorder set to record every hour from January 1985 to current year.

REMARKS.--All water levels reported below land-surface datum. No data from Feb. 1 through Mar. 9, 2004. No data Sept. 13-20, 2004 while Montana Bureau of Mines and Geology collected water-quality samples.

EXTREMES FOR PERIOD OF RECORD.--Highest instantaneous water level, 102.43 ft, Mar. 20, 1981 (from recorder); lowest, 119.96 ft, Sept. 6, 1995 (from recorder).

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 116.00 ft, Mar. 27 and 31 (from recorder); lowest, 119.09 ft, Sept. 9 (from recorder).

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked; S, steel tape; . Water-level status: --, static.]

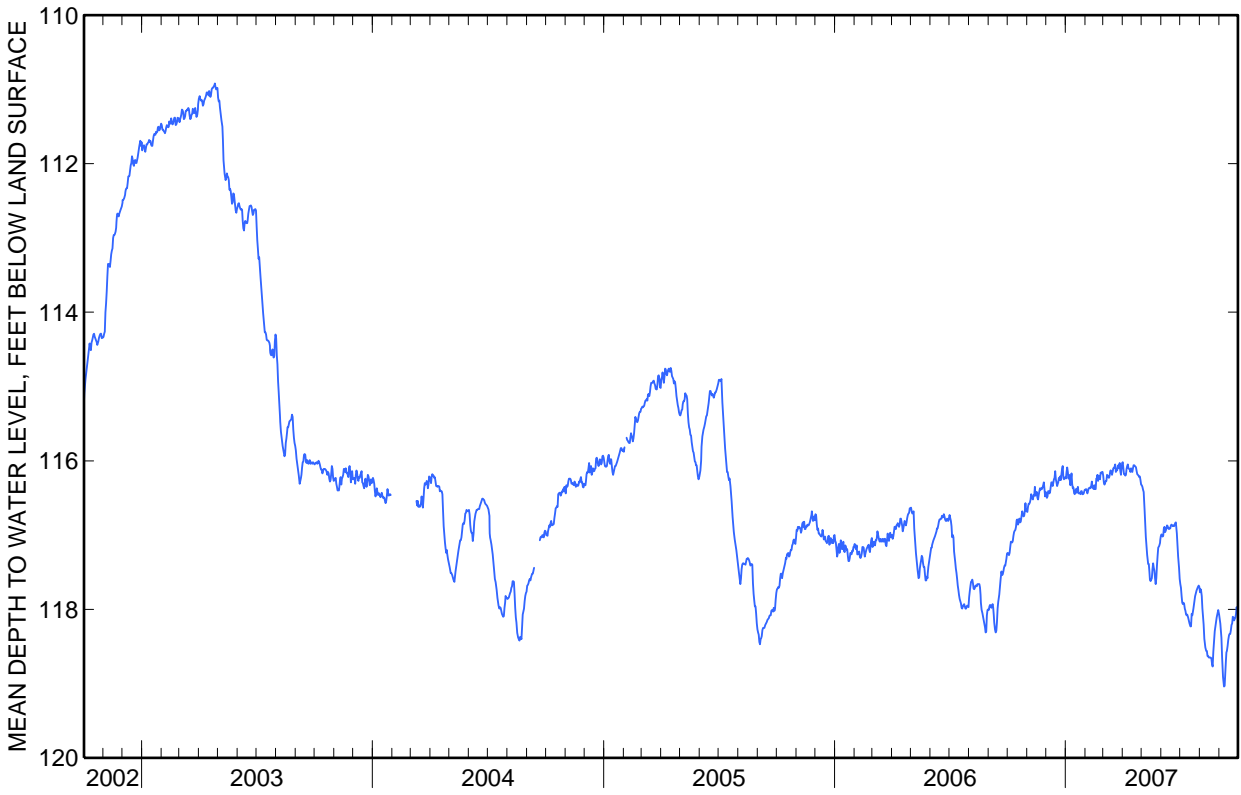
Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 12	116.98	V	--	Aug 8	118.35	S	--
Mar 6	116.29	S	--	Sep 17	118.33	S	--
Apr 13	116.10	V	--				

474251114385201 Local number 23N24W34ADA01—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	117.24	116.69	116.43	116.24	116.39	116.20	116.02	116.33	116.99	117.66	117.77	118.10
2	117.25	116.62	116.50	116.15	116.38	116.29	116.10	116.35	117.00	117.71	117.73	118.15
3	117.27	116.58	116.48	116.09	116.40	116.32	116.18	116.39	117.02	117.82	117.75	118.25
4	117.24	116.58	116.41	116.15	116.44	116.30	116.18	116.42	117.01	117.91	117.82	118.47
5	117.16	116.56	116.41	116.24	116.41	116.27	116.20	116.56	116.91	117.93	117.99	118.67
6	117.09	116.52	116.44	116.19	116.37	116.27	116.19	116.79	116.89	117.91	118.10	118.81
7	117.09	116.45	116.42	116.26	116.37	116.19	116.11	116.99	116.96	117.93	118.24	118.92
8	117.10	116.49	116.35	116.33	116.36	116.20	116.07	117.10	116.94	117.99	118.38	119.04
9	117.08	116.51	116.29	116.23	116.37	116.22	116.05	117.21	116.91	118.02	118.47	119.03
10	117.01	116.52	116.29	116.17	116.34	116.23	116.10	117.31	116.87	118.07	118.54	118.86
11	116.96	116.46	116.34	116.31	116.28	116.20	116.11	117.39	116.88	118.08	118.56	118.69
12	116.94	116.47	116.30	116.37	116.35	116.14	116.12	117.39	116.91	118.07	118.56	118.58
13	116.93	116.35	116.25	116.36	116.37	116.13	116.15	117.50	116.92	118.11	118.63	118.55
14	116.89	116.47	116.23	116.43	116.38	116.15	116.10	117.60	116.91	118.12	118.63	118.47
15	116.80	116.44	116.14	116.45	116.33	116.19	116.14	117.62	116.91	118.16	118.65	118.42
16	116.79	116.42	116.25	116.40	116.38	116.15	116.15	117.60	116.87	118.21	118.65	118.35
17	116.86	116.50	116.29	116.38	116.38	116.10	116.10	117.58	116.86	118.23	118.65	118.33
18	116.84	116.52	116.34	116.43	116.24	116.10	116.06	117.46	116.87	118.23	118.65	118.33
19	116.78	116.46	116.31	116.38	116.24	116.08	116.06	117.38	116.88	118.06	118.66	118.28
20	116.78	116.41	116.29	116.35	116.19	116.05	116.07	117.44	116.87	118.08	118.73	118.21
21	116.83	116.37	116.23	116.44	116.27	116.15	116.08	117.48	116.88	118.05	118.77	118.19
22	116.80	116.39	116.26	116.43	116.20	116.13	116.09	117.58	116.86	117.96	118.60	118.10
23	116.74	116.37	116.21	116.44	116.21	116.13	116.14	117.66	116.84	117.89	118.44	118.11
24	116.68	116.38	116.26	116.45	116.25	116.08	116.18	117.58	116.83	117.83	118.35	118.15
25	116.72	116.36	116.18	116.41	116.16	116.06	116.19	117.41	116.89	117.81	118.25	118.13
26	116.75	116.33	116.11	116.41	116.17	116.10	116.20	117.28	117.07	117.77	118.18	118.11
27	116.74	116.29	116.07	116.45	116.15	116.03	116.22	117.17	117.21	117.74	118.14	118.06
28	116.68	116.38	116.23	116.45	116.15	116.14	116.21	117.15	117.31	117.71	118.11	117.97
29	116.57	116.48	116.25	116.44	---	116.19	116.26	117.14	117.44	117.69	118.06	118.02
30	116.67	116.42	116.23	116.41	---	116.09	116.32	117.08	117.59	117.68	118.01	118.04
31	116.68	---	116.22	116.39	---	116.03	---	117.02	---	117.70	118.06	---
Max	117.27	116.69	116.50	116.45	116.44	116.32	116.32	117.66	117.59	118.23	118.77	119.04
Min	116.57	116.29	116.07	116.09	116.15	116.03	116.02	116.33	116.83	117.66	117.73	117.97

474251114385201 Local number 23N24W34ADAA01—Continued





Water-Data Report 2007

480248115574901 Local number 26N34W03BDAD01

Belt Supergroup

Sanders County, MT

LOCATION.--Lat 48°02'48", long 115°57'49" referenced to North American Datum of 1927, in NE ¼ SE ¼ NW ¼ sec.3, T.26 N., R.34 W., Sanders County, MT, Hydrologic Unit 17010213.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 400 ft. Upper casing diameter 6 in., top of first opening undefined, bottom of last opening undefined.

DATUM.--Land-surface datum is 2470 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined, -2.0 ft above land-surface datum, Nov. 19, 1986, to Aug. 21, 2007; Top of PVC pipe attached to new well cap, 2.28 ft above land-surface datum, Aug. 21, 2007, to present. Top of casing, 2.0 ft above land-surface datum, Nov.19, 1986, to Aug.21, 2007; Top of PVC pipe attached to new well cap, 2.28 ft above land-surface datum, Aug.21, 2007 to present.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked; S, steel tape; . Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Feb 15	231.18	V	--	Sep 26	306.07	S	--
Jun 8	248.18	V	--				

Water year 2007 highest: 231.18 Feb 15, 2007; lowest: 306.07 Sep 26, 2007

Period of record highest: 212.49 Feb 27, 1996; lowest: 306.07 Sep 26, 2007

Record available from Feb 27, 1996, to Nov 29, 2007; 40 entries



Water-Data Report 2007

475316115381901 Local number 25N31W30DCCC01

Alluvium

Sanders County, MT

LOCATION.--Lat 47°53'16", long 115°38'19" referenced to North American Datum of 1927, in SW ¼ SW ¼ SE ¼ sec.30, T.25 N., R.31 W., Sanders County, MT, Hydrologic Unit 17010213.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 282 ft. Upper casing diameter 6 in., top of first opening undefined, bottom of last opening undefined.

DATUM.--Land-surface datum is 2520 ft above National Geodetic Vertical Datum of 1929. Measuring point: through access hole in top of well cap, 2.95 ft above land-surface datum, Aug. 15, 1991, to present.

REMARKS.--Montana Bureau of Mines and Geology Site Identification Number is M:127172.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Nov 15	224.26	V	--	Jun 8	222.04	V	--
Feb 15	223.65	V	--	Aug 21	223.87	V	--

Water year 2007 highest: 222.04 Jun 08, 2007; lowest: 224.26 Nov 15, 2006

Period of record highest: 222.04 Jun 08, 2007; lowest: 224.71 Feb 02, 1999

Record available from Feb 27, 1996, to Nov 29, 2007; 44 entries

Water-Data Report 2007

473717115201501 Local number 22N29W32ACDD01

Alluvium

Sanders County, MT

LOCATION.--Lat 47°37'17", long 115°20'15" referenced to North American Datum of 1927, in SE ¼ SW ¼ NE ¼ sec.32, T.22 N., R.29 W., Sanders County, MT, Hydrologic Unit 17010213.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 308 ft. Upper casing diameter undefined, top of first opening undefined, bottom of last opening undefined.

DATUM.--Land-surface datum is 2780 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 2.90 ft above land-surface datum, Feb. 27, 1996, to present.

REMARKS.--Montana Bureau of Mines and Geology Site Identification Number is M:149183.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked; . Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Feb 15	238.70	V	--	Aug 21	223.48	V	--
Jun 8	202.12	V	--				

Water year 2007 highest: 202.12 Jun 08, 2007; lowest: 238.70 Feb 15, 2007

Period of record highest: 166.83 Jun 05, 1997; lowest: 244.64 Nov 14, 2001

Record available from Feb 27, 1996, to Nov 29, 2007; 35 entries



Water-Data Report 2007

472837114540201 Local number 20N26W22CBBA01

Quaternary Alluvium

Sanders County, MT

LOCATION.--Lat 47°28'37", long 114°54'02" referenced to North American Datum of 1927, in NW ¼ NW ¼ SW ¼ sec.22, T.20 N., R.26 W., Sanders County, MT, Hydrologic Unit 17010213.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 50 ft. Upper casing diameter 8 in., top of first opening 31 ft, bottom of last opening 50 ft.

DATUM.--Land-surface datum is 2462 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.62 ft above land-surface datum, Aug. 12, 1978, to present.

REMARKS.--Montana Bureau of Mines and Geology Site Identification Number is M:75108.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Nov 15	17.90	V	--	Jun 8	16.02	V	--
Feb 15	17.35	V	--	Aug 21	17.94	V	--

Water year 2007 highest: 16.02 Jun 08, 2007; lowest: 17.94 Aug 21, 2007

Period of record highest: 11.58 Jun 05, 1997; lowest: 19.81 Nov 12, 2002

Record available from Feb 27, 1996, to Nov 29, 2007; 48 entries

Water-Data Report 2007

472448114495201 Local number 19N25W07CDDA01

Sanders County, MT

LOCATION.--Lat 47°24'48", long 114°49'52" referenced to North American Datum of 1927, in SE ¼ SE ¼ SW ¼ sec.7, T.19 N., R.25 W., Sanders County, MT, Hydrologic Unit 17010213.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth undefined. Upper casing diameter undefined, top of first opening undefined, bottom of last opening undefined.

DATUM.--Land-surface datum is 2470 ft above National Geodetic Vertical Datum of 1929. Measuring point: pressure gage attached to 1.25" valve on top of casing, .50 ft above land-surface datum, June 9, 1998, to present.

REMARKS.--Montana Bureau of Mines and Geology Site Identification Number is M:132595.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
(READINGS ABOVE LAND-SURFACE INDICATED BY "+")
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: H, calibrated pressure gage. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Feb 15	+11.80	H	--	Jun 8	+15.50	H	--

Water year 2007 highest: +15.50 Jun 08, 2007; lowest: +11.80 Feb 15, 2007

Period of record highest: +16.42 Jun 09, 1998; lowest: +8.57 Oct 04, 2007

Record available from Feb 27, 1996, to Nov 29, 2007; 39 entries



Water-Data Report 2007

472257114473701 Local number 19N25W28BABB01

Belt Supergroup

Sanders County, MT

LOCATION.--Lat 47°22'57", long 114°47'37" referenced to North American Datum of 1927, in NW ¼ NE ¼ NW ¼ sec.28, T.19 N., R.25 W., Sanders County, MT, Hydrologic Unit 17010213.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 369 ft. Upper casing diameter 6 in., top of first opening undefined, bottom of last opening undefined.

DATUM.--Land-surface datum is 2515 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing through access hole, 0.95 ft above land-surface datum, Sep. 24, 1987, to present.

REMARKS.--Montana Bureau of Mines and Geology Site Identification Number is M:74121.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Nov 15	17.73	V	--	Jun 8	9.02	V	--
Feb 15	17.18	V	--	Aug 21	20.60	V	--

Water year 2007 highest: 9.02 Jun 08, 2007; lowest: 20.60 Aug 21, 2007

Period of record highest: .39 May 20, 1996; lowest: 198.8 Aug 28, 1996

Record available from May 20, 1996, to Nov 29, 2007; 47 entries

Water-Data Report 2007

483650104084001 Local number 33N58E17ADDD01

Outwash

Sheridan County, MT

LOCATION.--Lat 48°36'50", long 104°08'40" referenced to North American Datum of 1927, in SE ¼ SE ¼ NE ¼ sec.17, T.33 N., R.58 E., Sheridan County, MT, Hydrologic Unit 10060006.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 130 ft. Upper casing diameter 4 in., top of first opening 97 ft, bottom of last opening 101 ft. Drilled in 1984.

DATUM.--Land-surface datum is 1992 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of recorder shelter, 2.90 ft above land-surface datum, Oct. 10, 2001, to present. Reference point established Sept 15, 2003: top of steel rod 3 ft north of well, 0.77 ft below measuring point.

PERIOD OF RECORD.--August 1984 to current year.

GAGE.--Digital water-level recorder set to record every hour from Apr. 21, 1985 to Oct. 18 1985, every 12 hours from Oct. 19, 1985 to Apr. 7, 1993, and every 4 hours from Apr. 8, 1993 to current year.

REMARKS.--All water levels reported below land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Highest instantaneous water level, 11.73 ft, June 19-26, 1999 (from recorder); lowest, 15.51 ft, Aug. 20-23, 1992 (from recorder).

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 13.26 ft, July 2 and 7-17 (from recorder); lowest, 14.03 ft, Mar. 4-9 (from recorder).

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: S, steel tape; V, calibrated electric tape--accuracy of instrument has been checked. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Dec 19	13.94	S	--	Jun 6	13.44	V	--

483650104084001 Local number 33N58E17ADD01—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13.82	13.88	13.92	13.95	13.99	14.02	13.69	13.61	13.51	13.29	13.38	13.58
2	13.83	13.88	13.92	13.95	13.99	14.02	13.69	13.60	13.49	13.28	13.38	13.59
3	13.83	13.88	13.92	13.95	13.99	14.02	13.69	13.59	13.48	13.28	13.39	13.59
4	13.83	13.88	13.92	13.95	13.99	14.02	13.68	13.59	13.47	13.27	13.39	13.59
5	13.83	13.88	13.92	13.96	13.99	14.02	13.68	13.59	13.45	13.27	13.40	13.60
6	13.83	13.88	13.93	13.95	14.00	14.02	13.68	13.58	13.43	13.26	13.41	13.61
7	13.83	13.88	13.92	13.96	14.00	14.02	13.67	13.59	13.42	13.26	13.41	13.61
8	13.84	13.89	13.92	13.96	14.00	14.02	13.66	13.58	13.41	13.27	13.42	13.62
9	13.84	13.89	13.92	13.96	14.00	14.03	13.65	13.58	13.40	13.26	13.44	13.63
10	13.83	13.89	13.93	13.95	14.00	14.01	13.65	13.58	13.39	13.26	13.44	13.63
11	13.84	13.88	13.93	13.97	14.00	13.97	13.65	13.58	13.38	13.26	13.45	13.63
12	13.84	13.89	13.93	13.97	14.01	13.92	13.65	13.58	13.38	13.26	13.46	13.63
13	13.85	13.88	13.92	13.97	14.01	13.86	13.65	13.57	13.37	13.26	13.46	13.64
14	13.85	13.90	13.93	13.97	14.01	13.81	13.64	13.57	13.36	13.26	13.46	13.64
15	13.84	13.89	13.93	13.97	14.00	13.80	13.64	13.57	13.35	13.26	13.47	13.64
16	13.85	13.89	13.94	13.97	14.00	13.78	13.64	13.57	13.35	13.26	13.48	13.64
17	13.86	13.90	13.94	13.97	14.01	13.76	13.63	13.56	13.33	13.27	13.49	13.65
18	13.85	13.90	13.94	13.98	14.00	13.75	13.63	13.56	13.33	13.27	13.49	13.66
19	13.86	13.90	13.94	13.98	14.00	13.75	13.63	13.56	13.32	13.28	13.50	13.66
20	13.86	13.90	13.94	13.98	14.00	13.73	13.63	13.55	13.32	13.27	13.50	13.66
21	13.86	13.90	13.94	13.98	14.01	13.74	13.63	13.55	13.31	13.28	13.51	13.67
22	13.86	13.91	13.94	13.98	14.01	13.73	13.62	13.55	13.31	13.29	13.52	13.67
23	13.86	13.90	13.94	13.98	14.01	13.73	13.62	13.55	13.30	13.30	13.53	13.67
24	13.86	13.91	13.95	13.98	14.01	13.72	13.62	13.55	13.30	13.30	13.53	13.68
25	13.87	13.91	13.94	13.98	14.01	13.72	13.62	13.55	13.30	13.31	13.53	13.68
26	13.87	13.91	13.95	13.98	14.02	13.72	13.61	13.54	13.30	13.32	13.54	13.68
27	13.87	13.91	13.94	13.99	14.02	13.71	13.61	13.54	13.30	13.33	13.55	13.69
28	13.87	13.91	13.95	13.98	14.01	13.70	13.61	13.54	13.29	13.33	13.56	13.68
29	13.87	13.92	13.95	13.99	---	13.71	13.61	13.54	13.29	13.34	13.56	13.69
30	13.88	13.91	13.95	13.98	---	13.70	13.61	13.54	13.29	13.35	13.57	13.70
31	13.88	---	13.95	13.98	---	13.69	---	13.51	---	13.36	13.57	---
Max	13.88	13.92	13.95	13.99	14.02	14.03	13.69	13.61	13.51	13.36	13.57	13.70
Min	13.82	13.88	13.92	13.95	13.99	13.69	13.61	13.51	13.29	13.26	13.38	13.58

483650104084001 Local number 33N58E17ADDD01—Continued





Water-Data Report 2007

483318104105402 Local number 32N58E04DBBD02

Outwash

Sheridan County, MT

LOCATION.--Lat 48°33'18", long 104°10'54" referenced to North American Datum of 1927, in NW ¼ NW ¼ SE ¼ sec.4, T.32 N., R.58 E., Sheridan County, MT, Hydrologic Unit 10060006, Owner: U.S. Fish and Wildlife Service.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 143 ft. Upper casing diameter 4 in., top of first opening 126 ft, bottom of last opening 143 ft. Drilled in July 1984.

DATUM.--Land-surface datum is 1977 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of recorder shelf, 2.20 ft above land-surface datum, April 1994 to present. Reference point established Sept. 15, 2003: top of steel rod 4 ft north of northeast fence post, 1.37 ft below measuring point.

PERIOD OF RECORD.--August 1984 to current year.

GAGE.--Graphical water-level recorder from August 1984 through May 1985. Digital water-level recorder set to record every 24 hours from May 1985 to April 1996. Digital recorder set to record every 4 hours from April 1996 to current year.

REMARKS.--All water levels reported below land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Highest instantaneous water level, 22.32 ft, at various times May 13-16, 2003 (from recorder); lowest, 25.90 ft, Aug. 18 and 19, 1992 (from recorder).

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 23.35 ft, June 6-7 and 10 (from recorder); lowest, 24.11 ft, Sept. 11 (from recorder).

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

[Measurement method: S, steel tape; V, calibrated electric tape--accuracy of instrument has been checked. Water-level status: --, static.]

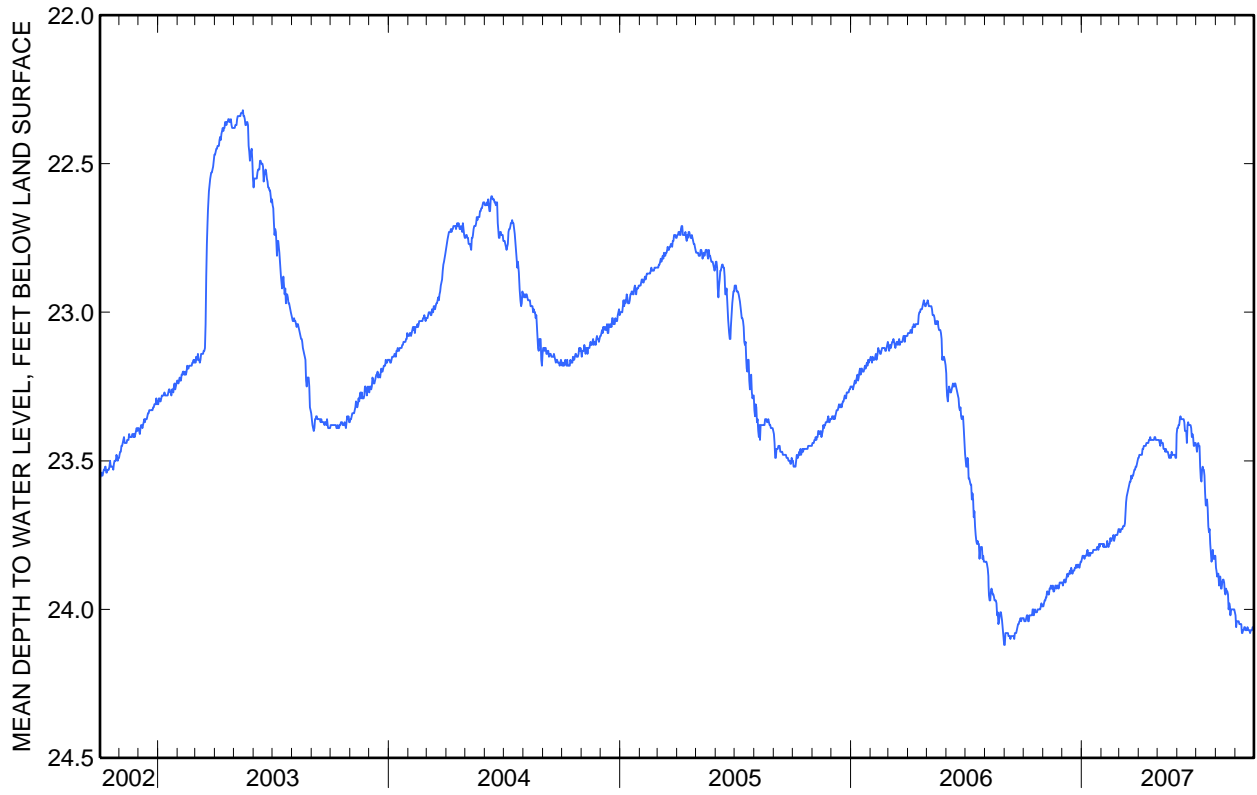
Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Dec 19	23.87	S	--	Jun 6	23.35	V	--

483318104105402 Local number 32N58E04DBBD02—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	24.03	23.99	23.91	23.83	23.78	23.73	23.49	23.43	23.39	23.45	23.86	24.02
2	24.04	23.98	23.92	23.82	23.78	23.74	23.48	23.43	23.39	23.47	23.87	24.06
3	24.04	23.97	23.91	23.82	23.78	23.74	23.48	23.43	23.38	23.45	23.89	24.04
4	24.04	23.97	23.90	23.82	23.79	23.73	23.48	23.44	23.38	23.44	23.88	24.04
5	24.03	23.96	23.90	23.83	23.78	23.73	23.48	23.45	23.36	23.45	23.88	24.04
6	24.02	23.96	23.91	23.82	23.79	23.73	23.48	23.43	23.35	23.45	23.92	24.04
7	24.02	23.94	23.90	23.82	23.79	23.72	23.46	23.44	23.36	23.52	23.89	24.05
8	24.04	23.94	23.89	23.82	23.79	23.72	23.46	23.44	23.36	23.56	23.89	24.05
9	24.04	23.95	23.88	23.81	23.79	23.72	23.45	23.44	23.36	23.57	23.93	24.05
10	24.02	23.95	23.89	23.80	23.77	23.71	23.45	23.46	23.36	23.53	23.93	24.05
11	24.02	23.93	23.88	23.82	23.78	23.68	23.45	23.46	23.36	23.52	23.91	24.08
12	24.02	23.93	23.88	23.82	23.79	23.64	23.45	23.46	23.37	23.53	23.90	24.08
13	24.02	23.92	23.87	23.81	23.78	23.62	23.44	23.47	23.40	23.53	23.90	24.07
14	24.02	23.93	23.88	23.82	23.78	23.61	23.44	23.46	23.40	23.55	23.91	24.07
15	24.00	23.93	23.86	23.81	23.76	23.60	23.44	23.47	23.40	23.61	23.94	24.06
16	24.00	23.92	23.87	23.81	23.77	23.59	23.44	23.47	23.44	23.65	23.95	24.06
17	24.02	23.94	23.88	23.81	23.77	23.58	23.43	23.47	23.38	23.65	23.93	24.07
18	24.01	23.94	23.87	23.81	23.76	23.57	23.43	23.48	23.37	23.63	23.94	24.07
19	24.00	23.93	23.87	23.80	23.76	23.57	23.42	23.49	23.38	23.66	23.94	24.07
20	24.01	23.92	23.87	23.80	23.75	23.55	23.43	23.49	23.38	23.72	23.95	24.06
21	24.01	23.92	23.86	23.80	23.77	23.56	23.43	23.48	23.38	23.74	24.00	24.07
22	24.01	23.93	23.86	23.80	23.76	23.55	23.43	23.49	23.38	23.73	23.98	24.07
23	24.00	23.92	23.85	23.80	23.75	23.55	23.43	23.47	23.39	23.78	23.99	24.07
24	24.00	23.92	23.86	23.80	23.75	23.54	23.43	23.48	23.42	23.81	24.02	24.08
25	24.00	23.93	23.85	23.79	23.75	23.53	23.43	23.48	23.41	23.84	24.00	24.07
26	24.00	23.92	23.85	23.79	23.75	23.53	23.42	23.48	23.42	23.83	24.00	24.07
27	24.00	23.91	23.85	23.80	23.74	23.52	23.42	23.48	23.45	23.80	24.00	24.07
28	23.99	23.91	23.86	23.78	23.73	23.52	23.43	23.48	23.45	23.83	24.00	24.06
29	23.98	23.91	23.85	23.79	---	23.51	23.43	23.49	23.44	23.83	24.00	24.06
30	23.99	23.91	23.84	23.78	---	23.50	23.43	23.49	23.44	23.82	24.00	24.07
31	23.99	---	23.84	23.78	---	23.49	---	23.41	---	23.82	24.01	---
Max	24.04	23.99	23.92	23.83	23.79	23.74	23.49	23.49	23.45	23.84	24.02	24.08
Min	23.98	23.91	23.84	23.78	23.73	23.49	23.42	23.41	23.35	23.44	23.86	24.02

483318104105402 Local number 32N58E04DBBD02—Continued



Water-Data Report 2007

474005111583803 Local number 22N03W15BAAD03

Terrace Deposits
Teton County, MT

LOCATION.--Lat 47°40'05", long 111°58'38" referenced to North American Datum of 1927, in NE ¼ NE ¼ NW ¼ sec.15, T.22 N., R.3 W., Teton County, MT, Hydrologic Unit 10030104.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 47 ft. Upper casing diameter 4 in, top of first opening 42 ft, bottom of last opening 47 ft. Well drilled in 1991.

DATUM.--Land-surface datum is 3937.97 ft above National Geodetic Vertical Datum of 1929. Measuring point: inspection hole in PVC cap used to support recorder, 1.80 ft above land-surface datum, Mar. 12, 2001, to present. Reference point established June 14, 2003: top of steel rod at base of large stump, 36 ft northwest of well, 1.24 ft below measuring point.

PERIOD OF RECORD.--November 1991 to current year.

GAGE.--Digital water-level recorder set to record every hour from November 1991 to current year.

REMARKS.--Water levels affected by irrigation. All water levels reported below land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Highest instantenous water level, 9.69 ft, Aug. 8, 2002 (from recorder); lowest, 29.31 ft, May 15, 2006 (from recorder).

EXTREMES FOR CURRENT YEAR.--Highest instantenous water level, 15.86 ft, Aug. 12 (from recorder); lowest, 29.05 ft, May 7 (from recorder).

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 6	18.27	V	--	Apr 3	27.90	V	--
Jan 4	23.88	V	--	Jun 15	22.18	V	--

474005111583803 Local number 22N03W15BAAD03—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	17.93	20.14	22.02	23.74	25.29	26.55	27.80	28.86	27.18	20.23	16.24	17.13
2	18.03	20.19	22.10	23.77	25.33	26.60	27.84	28.89	27.09	19.96	16.20	17.20
3	18.12	20.24	22.14	23.82	25.38	26.64	27.88	28.92	27.01	18.82	16.16	17.26
4	18.19	20.31	22.19	23.88	25.43	26.68	27.92	28.95	26.90	17.00	16.15	17.31
5	18.24	20.38	22.25	23.95	25.48	26.72	27.96	28.98	26.61	17.06	16.15	17.39
6	18.30	20.43	22.32	24.00	25.53	26.76	27.99	29.01	26.35	17.17	16.12	17.47
7	18.41	20.48	22.37	24.05	25.57	26.80	28.02	29.04	26.15	17.17	16.11	17.56
8	18.50	20.56	22.41	24.13	25.62	26.84	28.06	28.89	25.92	17.11	16.12	17.66
9	18.58	20.65	22.46	24.15	25.67	26.88	28.09	28.69	25.69	17.05	16.12	17.72
10	18.61	20.70	22.52	24.20	25.70	26.92	28.13	28.54	25.44	16.91	16.09	17.78
11	18.69	20.75	22.59	24.28	25.75	26.96	28.17	28.43	25.17	16.73	16.10	17.82
12	18.74	20.83	22.64	24.33	25.81	27.00	28.21	28.34	24.65	16.72	16.07	17.90
13	18.82	20.85	22.67	24.37	25.85	27.04	28.25	28.25	23.83	16.75	16.12	17.98
14	18.87	20.96	22.74	24.43	25.89	27.09	28.28	28.20	22.84	16.76	16.11	18.03
15	18.91	21.01	22.77	24.48	25.92	27.13	28.32	28.18	22.25	16.74	16.11	18.09
16	19.01	21.08	22.87	24.52	25.98	27.17	28.35	28.15	22.64	16.71	16.12	18.14
17	19.12	21.17	22.93	24.57	26.03	27.20	28.38	28.10	22.71	16.66	16.13	18.23
18	19.17	21.24	23.00	24.62	26.05	27.25	28.42	28.06	22.70	16.61	16.19	18.31
19	19.23	21.28	23.04	24.66	26.10	27.28	28.45	28.00	22.59	16.55	16.23	18.39
20	19.32	21.33	23.10	24.71	26.14	27.32	28.48	27.95	22.43	16.51	16.33	18.42
21	19.42	21.38	23.14	24.77	26.20	27.37	28.52	27.90	22.27	16.47	16.41	18.51
22	19.47	21.46	23.21	24.81	26.23	27.41	28.56	27.85	22.12	16.45	16.48	18.56
23	19.52	21.51	23.25	24.87	26.28	27.45	28.59	27.80	21.86	16.33	16.53	18.65
24	19.57	21.58	23.32	24.92	26.33	27.49	28.62	27.73	21.58	16.07	16.60	18.74
25	19.66	21.64	23.36	24.96	26.36	27.53	28.66	27.67	21.34	16.19	16.63	18.80
26	19.74	21.71	23.40	25.02	26.41	27.57	28.69	27.61	21.16	16.22	16.71	18.87
27	19.81	21.76	23.45	25.06	26.45	27.60	28.73	27.53	20.96	16.21	16.80	18.93
28	19.85	21.83	23.56	25.11	26.50	27.66	28.76	27.46	20.75	16.20	16.89	18.96
29	19.90	21.90	23.60	25.16	---	27.70	28.79	27.40	20.55	16.19	16.95	19.06
30	20.00	21.94	23.65	25.20	---	27.72	28.83	27.33	20.40	16.18	17.00	19.13
31	20.07	---	23.69	25.24	---	27.76	---	27.26	---	16.20	17.06	---
Max	20.07	21.94	23.69	25.24	26.50	27.76	28.83	29.04	27.18	20.23	17.06	19.13
Min	17.93	20.14	22.02	23.74	25.29	26.55	27.80	27.26	20.40	16.07	16.07	17.13

474005111583803 Local number 22N03W15BAAD03—Continued

