

GROUND-WATER LEVELS

BELTRAMI COUNTY

473423095053301. Local number, 147N35W02CDCBDD.

LOCATION.-- Lat 47°34'23", long 95°05'33", in SW ¼ SE ¼ SW ¼ sec.2, T.147 N., R.35 W., Hydrologic Unit 07010101, northwest of Bemidji.

Owner: U.S. Geological Survey

AQUIFER.-- Surficial outwash sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.-- Drilled water-table observation well, diameter 2 in., depth 35 ft., screened 30 to 33 ft.

INSTRUMENTATION.-- Monthly measurements by USGS; continuous recordings with a data logger.

DATUM.-- Land-surface datum is 1,420.49 ft. above sea level. Measuring point: floor of shelter, 2.70 ft. above land-surface datum.

REMARKS.-- Well number 310D, at crude-oil spill research site near Bemidji.

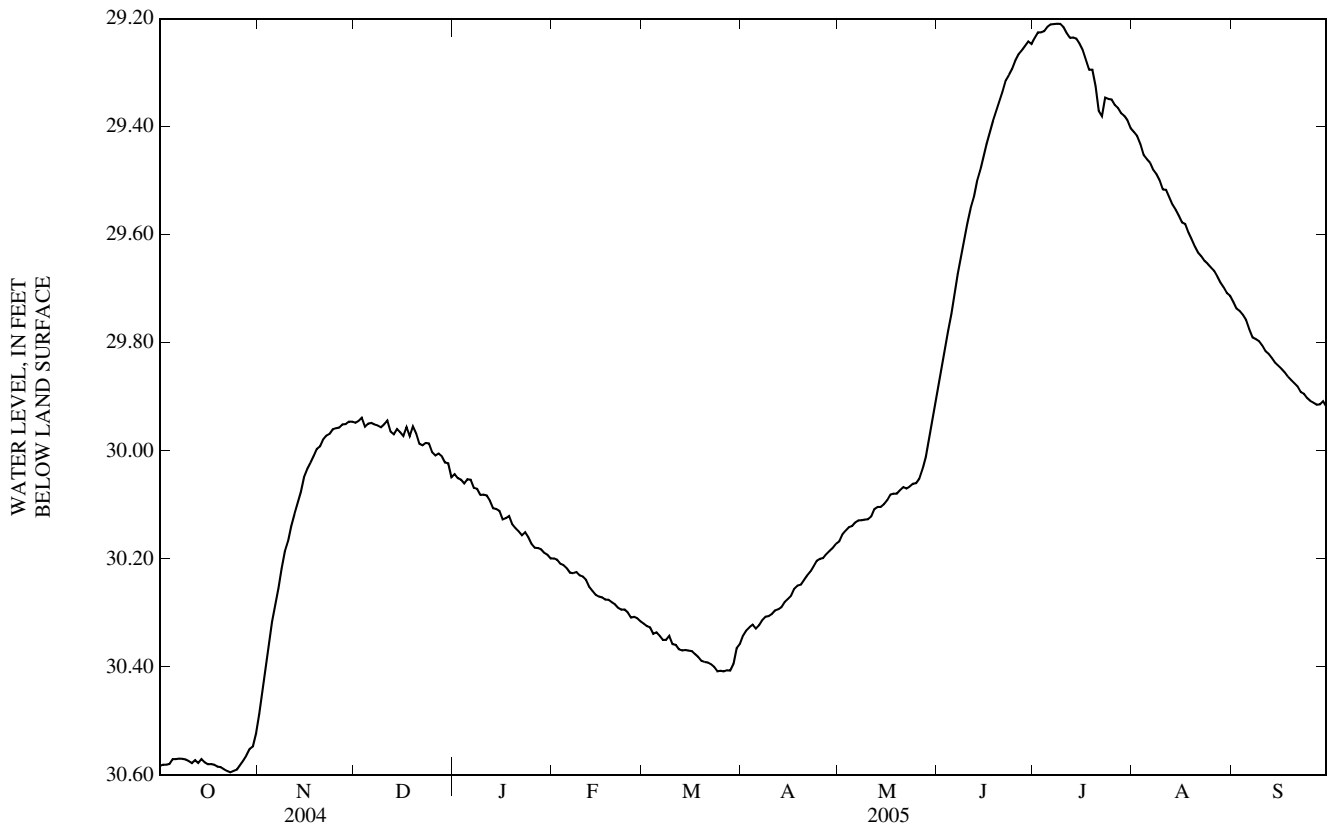
PERIOD OF RECORD.-- Apr. 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.-- Highest water level observed, 27.59 ft. below land-surface datum Jun. 21, 2001; lowest observed, 30.69 ft. below land-surface datum, Feb. 27, 1997, Sep. 13, 14, 2004.

EXTREMES FOR CURRENT WATER YEAR.-- Highest water level recorded, 29.20 ft. below land-surface datum, July 7; lowest recorded, 30.60 ft. below land-surface datum, Oct. 21.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.57	30.32	29.95	30.05	30.22	30.34	30.33	30.14	29.75	29.21	29.46	29.76
10	30.57	30.17	29.95	30.08	30.23	30.36	30.30	30.13	29.58	29.22	29.52	29.80
15	30.58	30.05	29.97	30.11	30.27	30.37	30.27	30.10	29.46	29.25	29.56	29.84
20	30.59	29.99	29.97	30.14	30.28	30.39	30.24	30.07	29.35	29.32	29.62	29.87
25	30.59	29.96	30.00	30.17	30.31	30.41	30.20	30.06	29.28	29.35	29.66	29.91
EOM	30.52	29.95	30.05	30.20	30.32	30.36	30.17	29.92	29.25	29.40	29.71	29.92
MAX	30.60	30.49	30.05	30.20	30.32	30.41	30.34	30.17	29.88	29.40	29.71	29.92



MORRISON COUNTY

460444094212501. Local number, 130N29W08DCC01.

LOCATION.-- Lat 46°04'44", long 94°21'25", in SW ¼ SW ¼ SE ¼ sec.8, T.130 N., R.29 W., Hydrologic Unit 07010104, at Camp Ripley.

Owner: Minnesota Army National Guard, Camp Ripley.

AQUIFER.-- Surficial outwash sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.-- Drilled water-table observation well, diameter 2 in., depth 59 ft., screened 56 to 59 ft.

INSTRUMENTATION.-- Measurements approximately monthly by USGS personnel. Continuous recordings with a datalogger, Dec. 12, 2003 to Sep. 28, 2005, recorder removed.

DATUM.-- Land-surface datum is 1,149.0 ft. above sea level. Measuring point: Top of casing, 2.10 ft above land-surface datum.

REMARKS.-- Water level affected by pumping.

PERIOD OF RECORD.-- Apr. 1949 to current year.

EXTREMES FOR PERIOD OF RECORD.-- Highest water level observed, 7.35 ft. below land-surface datum, July 28, 1972; lowest observed, 19.75 ft. below land-surface datum, Aug. 4, 1961.

EXTREMES FOR CURRENT WATER YEAR.-- Highest water level, 11.94 ft. below land-surface datum, July 18; lowest, 14.12 ft. below land-surface datum, Apr. 3.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.29	12.98	13.25	13.51	13.66	13.95	14.02	13.37	13.17	12.06	12.24	12.46
10	13.15	13.04	13.25	13.49	13.86	13.91	13.85	13.45	12.92	12.13	12.29	12.60
15	13.09	13.14	13.33	13.61	13.79	14.02	13.76	13.32	12.83	11.99	12.27	12.51
20	13.03	13.09	13.30	13.55	13.77	14.01	13.71	13.24	12.53	11.96	12.43	12.46
25	13.12	13.10	13.34	13.64	13.95	13.85	13.65	13.28	12.32	12.15	12.37	12.57
EOM	13.02	13.13	13.45	13.68	14.07	13.98	13.47	13.10	12.24	12.05	12.46	---
MAX	13.48	13.15	13.45	13.76	14.07	14.09	14.11	13.46	13.17	12.19	12.49	---

