

## Ground-Water Wells by County

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### Ground-Water Levels



Drilling observation well.

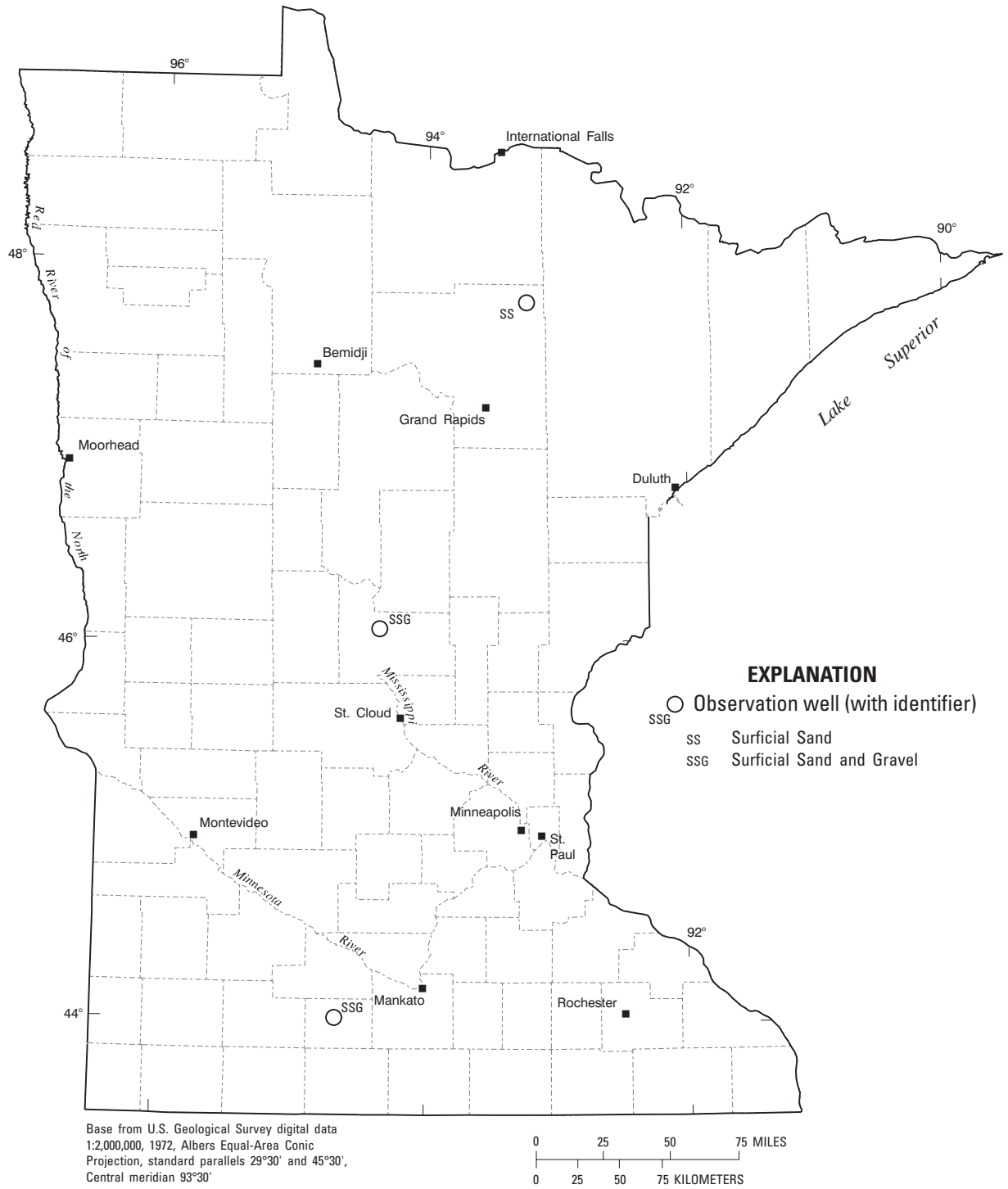


Figure 8. Location of ground-water wells.

GROUND WATER LEVELS-Continued

ITASCA COUNTY

474921093144001. Local number, 062N23W26CDC01.

LOCATION.-- Lat 47°49'21", long 93°14'40", in SW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> sec.26, T.62 N., R.23 W., Hydrologic Unit 09030005, at Togo.

Owner: U.S. Geological Survey

AQUIFER.-- Surficial sand of Pleistocene Age.

WELL CHARACTERISTICS.-- Bored water-table observation well, diameter 2 in., depth 31 ft, screened 26 to 31 ft.

INSTRUMENTATION.-- Monthly measurements by observer.

DATUM.-- Land-surface datum is 1,395 ft above sea level. Measuring point: Top of casing, 2.25 ft above land-surface datum.

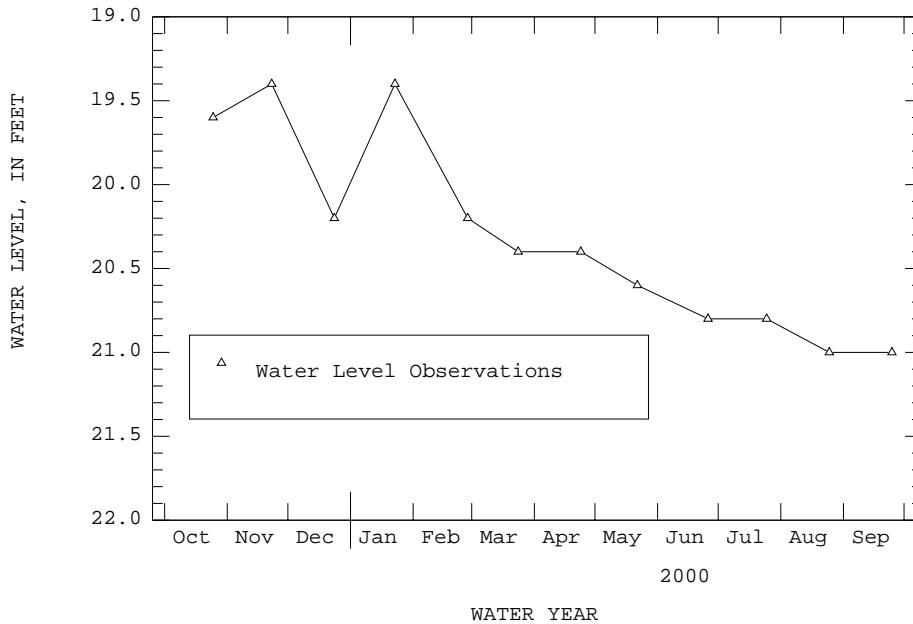
PERIOD OF RECORD.-- Oct. 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.-- Highest water level observed, 19.4 ft below land-surface datum, Nov. 23, 1999 and Jan. 23, 2000; lowest observed, 21.0 ft below land-surface datum, Aug. 25 and Sep. 25, 2000.

EXTREMES FOR CURRENT WATER YEAR.-- Highest water level observed, 19.4 ft below land-surface datum, Nov. 23 and Jan. 23; lowest observed, 21.0 ft below land-surface datum, Aug. 25 and Sep. 25.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	19.6	JAN 23	19.4	APR 24	20.4	JUL 25	20.8
NOV 23	19.4	FEB 28	20.2	MAY 22	20.6	AUG 25	21.0
DEC 24	20.2	MAR 24	20.4	JUN 26	20.8	SEP 25	21.0



GROUND WATER LEVELS--Continued

MORRISON COUNTY

460444094212501. Local number, 130N29W08DCC01.

LOCATION.-- Lat 46°04'44", long 94°21'25", in SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> 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.-- Monthly measurements by observer.

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

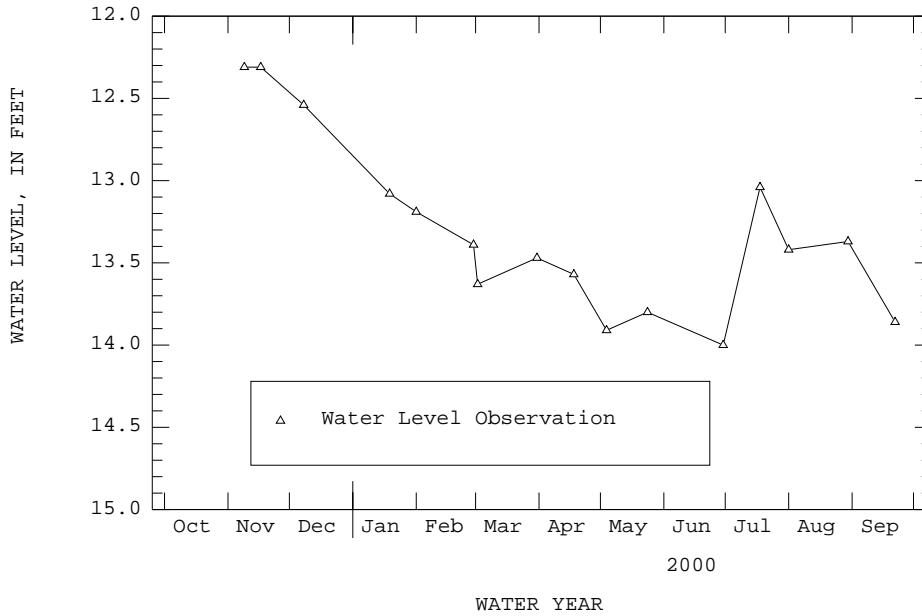
PERIOD OF RECORD.-- Apr. 1949 to current year.

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 observed, 12.31 ft below land-surface datum, Nov. 9 and 17; lowest observed, 14.00 ft below land-surface datum, June 30.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 09	12.31	FEB 01	13.19	APR 18	13.57	JUL 18	13.04
NOV 17	12.31	FEB 29	13.39	MAY 04	13.91	AUG 01	13.42
DEC 08	12.54	MAR 02	13.63	MAY 24	13.80	AUG 30	13.37
JAN 19	13.08	MAR 31	13.47	JUN 30	14.00	SEP 22	13.86



GROUND WATER LEVELS-Continued

WATONWAN COUNTY

440037094372601. Local number, 106N32W01DDB01.

LOCATION.-- Lat 44°00'37", long 94°37'26", in NW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.1, T.106 N., R.32 W., Hydrologic Unit 07020010, north of St. James.

Owner: U.S. Geological Survey.

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

WELL CHARACTERISTICS.-- Drilled water-table observation well, diameter 1 1/4 in., depth 22 ft, screened 19 to 22 ft.

INSTRUMENTATION.-- Monthly measurements by observer.

DATUM.-- Land-surface datum is 1,056.2 ft above sea level. Measuring point: Top of casing, 4.80 ft above land-surface datum.

PERIOD OF RECORD.-- Nov. 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.-- Highest water level observed, 4.11 ft below land-surface datum, Apr. 27, 1969; lowest observed, 16.22 ft below land-surface datum, Mar. 7, 1990.

EXTREMES FOR CURRENT WATER YEAR.-- Highest water level observed, 11.30 ft below land-surface datum, Oct 27; lowest observed, 13.30 ft below land-surface datum, Sep. 29.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	11.30	FEB 28	12.74	APR 06	12.79	JUL 25	12.68
NOV 30	12.60	MAR 01	12.70	MAY 29	13.10	JUL 29	12.82
DEC 14	11.95	MAR 21	12.67	JUN 19	12.74	AUG 29	13.10
DEC 31	12.13	MAR 30	12.80	JUN 29	12.70	SEP 29	13.30

