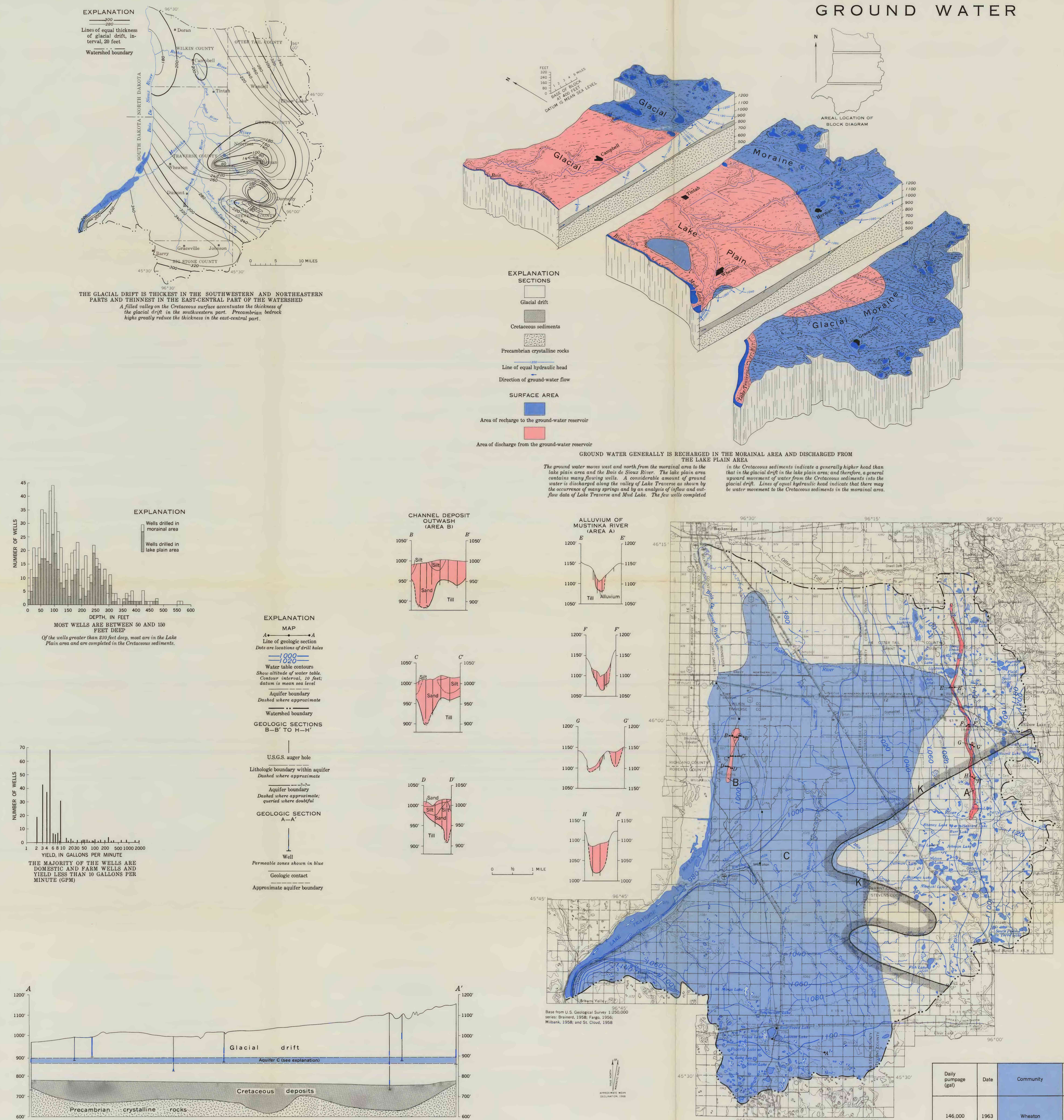


## GROUND WATER



Daily pumping (gpd)	Date	Community	Well owner	Well location N section Township Range	Operating rate (gpm)	Tested rate (gpm)	Drawdown at tested rate (ft)	Specific capacity (gpm/ft)	Static water level (in feet below land surface)	Available head for drawdown (ft)	Size (diameter inches)	Well depth (ft)	Quality					Aquifer, and range in depth below land surface	Remarks
													Fe (ppm)	Cl (ppm)	Hardness as CaCO <sub>3</sub> (ppm)	Fluoride (ppm)	pH		
146,000	1963	Wheaton	Town well No. 1 Town well No. 2	NW 20 127 46 NW 20 127 46	185 200-300	300 600	21	30	43 38	91 63	12 12	149 146	0.73 -	68 -	243 -	0.4 -	7.7 -	White sand 130-146 in drift	15 feet of 60 slot screen 15 feet of 60 slot and 30 feet of 80 slot screen Confirmed aquifer Before 1945 Wheaton had 5 wells in town all of which had low yield
80,000	1963	Graceville	Town well No. 1 Town well No. 2	NW 9 124 46 NW 9 124 46	250 250	-	-	-	52	-	16 16	212 213	1.4 -	25 -	236 -	.5 -	7.7 -	Sand and gravel in drift	Coefficient of transmissibility of 20,000 gpd/ft Confirmed aquifer Former town wells were completed in stratified fine sand of Cretaceous age Wells were abandoned because of high fluoride content in water
160,000 (Range from 120-220,000)	1963	Elbow Lake	Town well No. 3 Town well No. 4 Town well No. 5	NW 16 129 42 NW 16 129 42 NW 16 129 42	350 350 400	850 900 1,500	-	15 -	83 83 105	110 107 102	16 12 12	215 213 215	- .7 -	- 2.6 -	492 -	- 2 -	7.7 -	Coarse cemented sand in drift 181-215+ Confirmed aquifer Wells are located within 200 feet of each other on the east side of town Former wells in town, about 2,500 feet west of present wells, yielded less than 200 gpm	
45,000	1963	Herman	Town well No. 1 (not used by E.R.) Town well No. 2 Town well No. 3	SW 13 127 44 NW 13 127 49 NW 13 127 49	- 45 45	45	-	1.5 -	35 40	- -	8 10 8	182 123 132	- 2.2 -	- 28 -	591 -	- 3 -	7.5 -	Fine sand in drift 108-113	Coefficient of transmissibility of 1,100 gpd/ft Confirmed aquifer—thin sand lenses in drift After pumping well No. 2 for 2 hours at 85 gpm, the pump broke suction Well No. 2 is gravel packed Four test holes drilled at Herman obtained less than 10 gpm from each hole These holes ranged in depth from 87 to 177 feet, and the deeper hole stopped at the top of the granite
25,000 (est.)	1963	Donnelly	Town well No. 1 (drilled 1947) Town well No. 2 (drilled 1961)	SW 25 126 43 SW 25 126 43	100 150	-	-	-	40	153	8	210	4.8 11.0	8.5 7.2	1,100 1,080	24 2	7.2 7.4	Sand and gravel in drift 146-208	Well No. 1 has 17 feet of 30-40-50 slot screen
20,000	1963	Campbell	Town well No. 1 Town well No. 2 (drilled 1960)	SW 1 130 46 SW 1 130 46	300	150	95	1.7	20	240	8	280	1.0 -.28	53 11	110 131	.97 9	7.8 7.8	Sand of probable Cretaceous age 240-255	Distance between wells is about 50 ft
15,000 (est.)	1963	Wendell	Town well No. 1 (drilled 1945)	NW 33 130 43	100	132	11	12	66	214	10	288	1.9	21	395	.4	7.5	Sand and gravel in drift 260-287	10 feet of 50 to 80 slot screen. Well completed on top of Cretaceous sediments
15,000	1963	Norcross	Town well No. 1	NW 28 128 44	120	20	20	1	29	125	6	162	-	-	-	-	-	Sand in drift	8 feet of 50 slot screen
5,000 (est.)	1963	Dumont	SW 14 126 46	SW 14 126 46	60 (est.)	-	-	-	-	-	130	1.2	97	346	.3	7.6	Sand in drift		
1,000 (est.)	1963	Barry	NW 10 124 47	NW 10 124 47	5	-	-	-	-	-	110	3	21	798	.2	7.2	Sand in drift		

## WATER RESOURCES OF THE MUSTINKA AND BOIS DE SIOUX RIVERS WATERSHED, WEST-CENTRAL MINNESOTA

By  
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