



GROUND WATER

Aquifer conditions

- R-2 Thin, fine-grained upland surficial deposits
- R-1 Some shales near surface in eastern half
- R-1 Some water-bearing sandstones shallower than 500 ft in western half
- R-1 Clayey surficial deposits, thin in places
- R-1 Limestone
- Y-2 Valley fill, discontinuous fine sand under silt
- G-3 Valley fill, varied
- G-2 Valley fill, sand and gravel, thin towards bluff
- G-1 Valley fill, sand and gravel, some recharge from river possible

Probable well yields in gallons per minute

- Up to 5 gpm
- Less than 20 gpm
- 20 to 50 gpm
- Up to 5 gpm
- Variable
- Rarely more than 20 gpm
- 100 gpm or less, smaller yields likely
- Variable, usually 20 gpm or more
- Up to 500 gpm

Depth, source, and quality of water

- Location of well
- 35 — depth of well (ft)
- SD or BR — well type (surficial deposits or bedrock)
- 385 — total dissolved solids (ppm)
- 58 — hardness (ppm)
- 15 — chloride (ppm)
- 0.9 or tr. — iron (ppm) or trace
- ppm — parts per million

Total municipal and industrial pumpage from all wells in millions of gallons per day

- △ Pumpage
- Pumpage and area affected by it

SURFACE WATER

- Potential surface-water reservoir sites evaluated in Illinois State Water Survey Report of Investigations 54.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

TOWNSHIP
SHOWING SECTION NUMBERS

Map was compiled for county-wide studies for use at the scale 1:125,000.

WATER RESOURCES OF ST. CLAIR COUNTY, ILLINOIS

Frank B. Sherman and William H. Baker

1971