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WELL YIELD

By
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EXPLANATION

POTENTIAL WELL YIELD FROM PROPERLY CONSTRUCTED WELL IN SURFACE AQUIFER

in gallons per minute

1	50-900
2	100-2000
3	500-2500
4	1000-9000

BOUNDARY OF WELL YIELD UNITS

AQUIFER BOUNDARY—dashed where full extent of aquifer is not shown;

AREA OF INSUFFICIENT DATA

AREA WHERE AQUIFER IS OVERLAIN BY AN EXTENSIVE THICKNESS (>20 ft.) OF IMPERMEABLE SEDIMENT.

259-809-8 COMMUNITY WATER-SYSTEM WELL OR INDUSTRIAL WELL - numbers are based upon latitude and longitude, after LaSala (1968)

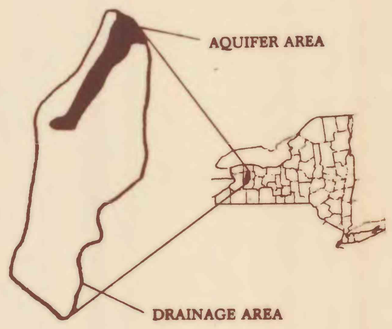
NOTE

Potential well yield map is based upon the thickness and geological characteristics of the aquifer materials. The potential well yield ranges listed above are the yields obtainable from more than 50% of wells tapping similar aquifers in the Susquehanna River Basin (Hollyday, 1969). The high yields will require special well construction, eg. Ranney-well type.

REFERENCES

Hollyday, E.F., 1969, An appraisal of the groundwater resources of the Susquehanna River basin in New York State, U.S. Geological Survey Open-File Report, 52 p.

LaSala, A. M., 1968, Ground Water Resources of the Erie-Niagara Basin, New York, New York State Conservation Dept. Basin Planning Report ENB-3, 114 p.



GEOHYDROLOGY OF THE GLACIAL-OUTWASH AQUIFER IN THE BATAVIA AREA, TONAWANDA CREEK, GENESEE COUNTY, NEW YORK

1984

BASE FROM NEW YORK STATE DEPARTMENT OF TRANSPORTATION PLANIMETRIC MAPS, BATAVIA SOUTH, N.Y. 1977, BATAVIA NORTH, N.Y. 1977, ALEXANDER, N.Y. 1977, ATTICA, N.Y. 1977, DALE, N.Y. 1977, 1:24,000