UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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WATER RESOURCE INVESTIGATIONS
REPORT 85-4094 (SHEET 6 OF 7)

WELL YIELD

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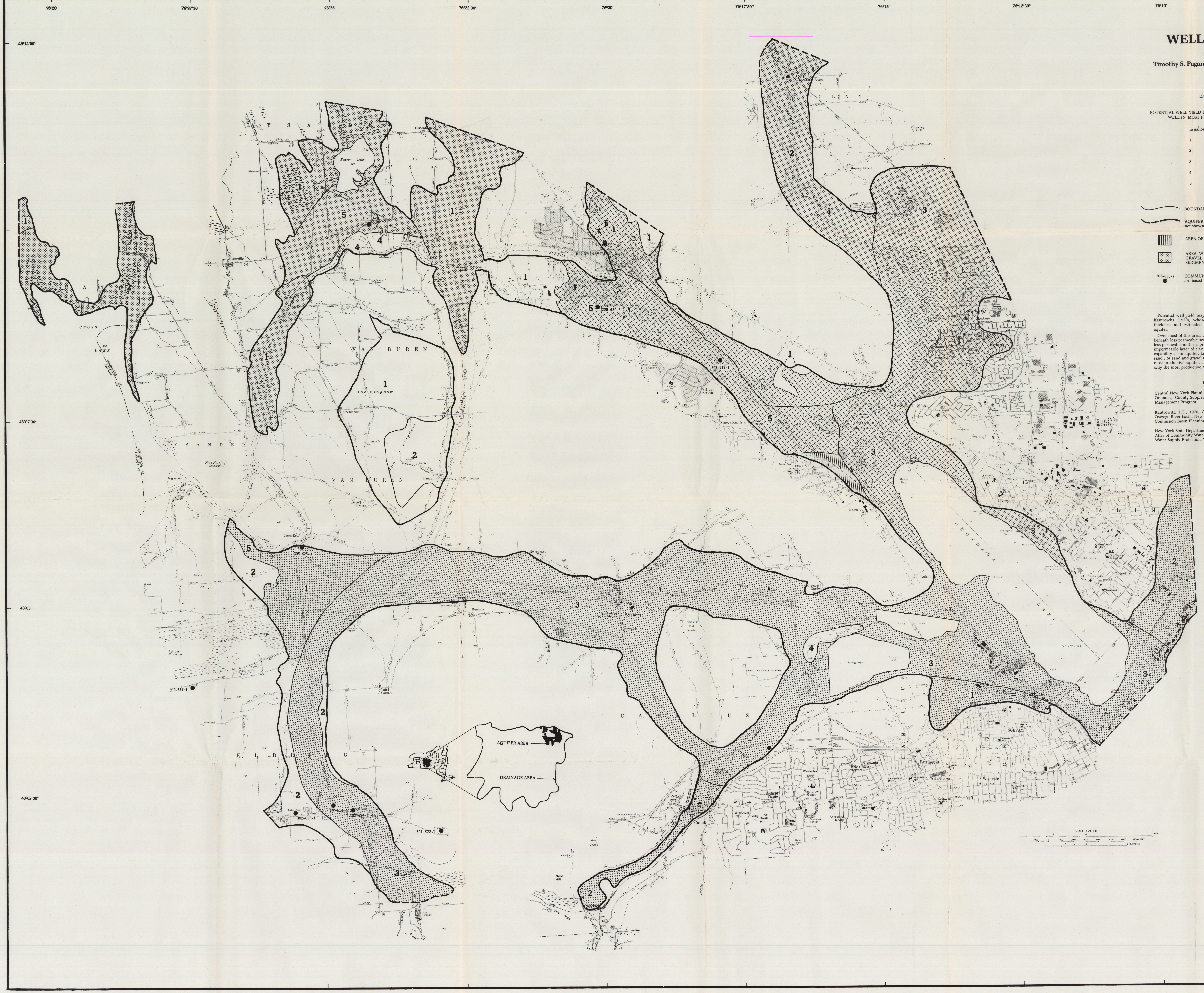

EXPLANATION

POTENTIAL WELL YIELD FROM PROPERLY CONSTRUCTED WELL IN MOST PRODUCTIVE AQUIFER

in gallons per minute

1	5-50
2	50-100
3	100-350
4	100-more than 350
5	More than 350

BOUNDARY OF WELL YIELD UNITS

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

AREA OF INSUFFICIENT DATA

AREA WHERE MOST PRODUCTIVE SAND, OR SAND AND GRAVEL AQUIFER IS OVERLAIN BY LESS PERMEABLE SEDIMENTS

302-623-1 COMMUNITY WATER-SYSTEM WELL OR INDUSTRIAL WELL - numbers are based upon latitude and longitude, after Kantrowitz (1970)

NOTE

Potential well yield map is based upon hydrologic data from Kantrowitz (1970), whose data was based on the saturated thickness and estimated permeability of the most productive aquifer.

Over most of this area, the most productive aquifer is found beneath less permeable sediments. These sediments may be a less permeable and less productive sand aquifer, or a relatively impermeable layer of clay and silt which has little, if any, capability as an aquifer. Less productive aquifers composed of sand , or sand and gravel may also occur in layers below the most productive aquifer. This map provides well yield data for only the most productive aquifer.

The aquifer area surrounding Onondaga Lake and extending west along Ninemile Creek valley to Amboy, northwest along Seneca River valley to Village Green, and north along Seneca River valley nearly to Belgium, contains saline water at depth. The overlying freshwater zone ranges from 10 to 100 feet thick (Kantrowitz, 1970, pl. 1)

REFERENCES

Central New York Planning and Development Board, 1978, Final Onondaga County Subplan: Central New York Water Quality Management Program

Kantrowitz, I.H., 1970, Ground-water resources ot the eastern Oswego River basin, New York: New York State Water Resources Commision Basin Planning Report ORB-2, 129 p.

New York State Department of Health, 1982, New York State Atlas of Community Water System Sources: Bureau of Public Water Supply Protection, 79p.

BASE FROM NEW YORK STATE DEPARTMENT OF TRANSPORTATION PLANIMETRIC MAPS.
LYSANDER, N.Y. 1978, BALDWINSVILLE, N.Y. 1978, BREWERTON, N.Y. 1978,
JORDAN, N.Y. 1978, CAMILLUS, N.Y. 1978, SYRACUSE WEST, N.Y. 1978, 1:24,000

GEOHYDROLOGY OF THE GLACIAL OUTWASH AQUIFERS IN THE BALDWINSVILLE AREA, SENECA RIVER, ONONDAGA COUNTY, NEW YORK
1984