DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
NEW YORK STATE DEPARTMENT OF HEALTH

OPEN-FILE REPORT 82-114
(SHEET 5 OF 6)

WELL YIELD

By

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74°12'30" 74°10' 74°07'30" 74°05' 74°02'30"

41°12'30" 41°10' 41°07'30" 41°05'

EXPLANATION

ESTIMATED WATER YIELD FROM A PROPERLY CONSTRUCTED WELL, in gallons per minute

1	Less than 50
2	50 to 500
3	500 to 1,000

BOUNDARY OF WELL-YIELD UNITS--approximately located

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

BOUNDARY OF HIGH PERMEABILITY MATERIAL ADJACENT TO THE AQUIFER--aquifer may partly extend into these areas

01313000 COMMUNITY WATER SYSTEM WELL OR WELL FIELD--numbered by New York State Department of Health (number may be same for widely scattered sites in same system.)

X DATA POINT--well or test hole

AREAS OF INSUFFICIENT DATA

NOTE

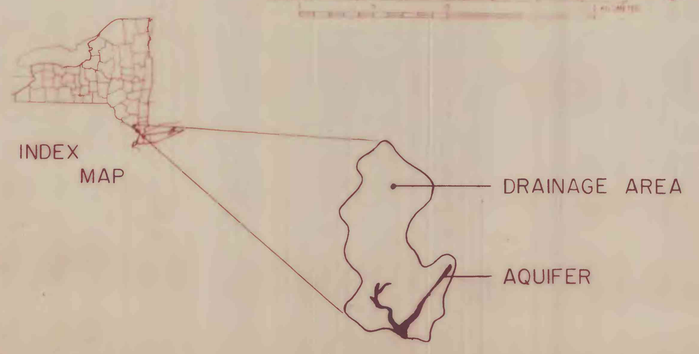
The map is based on well-yield data (Leggette, Brashears, and Graham, 1979, unpublished; and, Perlmutter, 1959), saturated thickness of permeable sand and gravel (sheet 3), and proximity to large streams. Yields are generally high adjacent to streams, where water is recharged from the stream under pumping. Well yields are estimates of the maximum long-term yields of 6-inch diameter wells that fully penetrate the aquifer. Long-term yields may be affected by many hydrologic factors, such as well design and proximity to other pumping wells.

REFERENCES CITED

Leggette, Brashears, and Graham Inc., 1979, Hydrogeologic assessment of Rockland County New York, 82 p.

_____, Unpublished well data.

Perlmutter, N. M., 1959, Geology and ground-water resources of Rockland County, New York, with special emphasis on the Newark Group (Triassic): New York State Water Power and Control Commission Bulletin GW-42, 133 p.



BASE FROM NEW YORK STATE DEPARTMENT OF TRANSPORTATION
PARK RIDGE, N.J.-N.Y., 1977; RAMSEY, N.J.-N.Y., 1973;
SLOATSBURG, N.Y.-N.J., 1973; THIELLS, N.Y., 1977.
1:24,000

GEOHYDROLOGY OF THE VALLEY-FILL AQUIFER IN THE RAMAPO AND MAHWAH RIVERS AREA, ROCKLAND COUNTY, NEW YORK

1982

HYDROLOGY MAPPED IN 1981