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U.S. Geological Survey

Prepared in cooperation with the

Manhasset-Lakeville Water District
New York State Department of Environmental Conservation
Sands Point Water Department
Suffolk County Water Authority
Town of Shelter Island

Nassau County Department of Public Works
Port Washington Water District
Suffolk County Department of Health Services
Town of North Hempstead
Water Authority of Great Neck North

Scientific Investigations Map 3398
Sheet 4 of 4
Pamphlet accompanies map

NEW YORK
CONNECTICUT
NEW JERSEY
Inset A
Long Island
ATLANTIC OCEAN
20 0 20 MILES
20 0 20 KILOMETERS
USGS 404757073440401 N 9099
USGS 404553073351201 N 1616
USGS 404958073085001 S 1812
USGS 405149072532201 S 5517
USGS 405743072425701 S 4271
USGS 405756072173502 S 8833
Depth to water, in feet below land surface
Date
Oct 2015
Nov 2015
Dec 2015
Jan 2016
Feb 2016
Mar 2016
Apr 2016
May 2016
Jun 2016
Jul 2016
Aug 2016
Sep 2016
NO DATA
EXPLANATION
Daily depth to water below land surface
Depth to water shown on map
WESTCHESTER COUNTY
BRONX COUNTY
NEW YORK COUNTY
QUEENS COUNTY
KINGS COUNTY
RICHMOND COUNTY
NASSAU COUNTY
SUFFOLK COUNTY
No data
LONG ISLAND SOUND
BLOCK ISLAND SOUND
SMITHTOWN BAY
GARDINERS BAY
GREAT PECONIC BAY
GREAT SOUTH BAY
LOWER NEW YORK BAY
UPPER NEW YORK BAY
JAMAICA BAY
MORICHES BAY
SHINNECOCK BAY
Plum Island
Gardiners Island
Fishers Island
1 0 1 2 3 4 5 MILES
1 0 1 2 3 4 5 KILOMETERS
2 0 2 4 6 8 10 MILES
2 0 2 4 6 8 10 KILOMETERS
SCALE 1:125 000
-74°
-73°30'
-73°
-72°30'
-72°
40°50'
40°40'
40°30'
41°
EXPLANATION
Depth to water table below land surface, in feet
Less than 11
11 to 20
21 to 30
31 to 50
51 to 75
76 to 100
101 to 125
126 to 150
151 to 175
176 to 200
Greater than 201
No water-level measurements available
27.65 ● Depth to water table at monitoring well—Number is depth to water table below land surface, in feet

Base modified from U.S. Geological Survey digital data 1:100,000 series
Coordinate reference system: NAD_1983_StatePlane_New_York_Long_Island_FIPS_3104_Feet
WKID: 2263 Authority: EPSG. Horizontal datum is North American Datum of 1983

Hydrology by Michael Como and Ronald Busciolano

Water-Table and Potentiometric-Surface Altitudes in the Upper Glacial, Magothy, and Lloyd Aquifers of Long Island, New York, April–May 2016

By

Michael D. Como, Jason S. Finkelstein, Simonette L. Rivera, Jack Monti, Jr., and Ronald Busciolano

2018

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If this map is printed on an electronic plotter directly from digital files, dimensional calibration may vary between X and Y directions on the same plotter, and paper may change size due to atmospheric conditions; therefore, scale and proportions may not be true on plots of this map.

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