

**New York State well ID: S138313**

Link to NWIS Data

[https://nwis.waterdata.usgs.gov/nwis/inventory/?site\\_no=405811072411602&agency\\_cd=USGS](https://nwis.waterdata.usgs.gov/nwis/inventory/?site_no=405811072411602&agency_cd=USGS)

**USGS well ID: 405811072411602**

Link to GeoLog Locator

<https://webapps.usgs.gov/GeoLogLocator/#/>

**Well Information**

Latitude: 40°58'10.6" NAD83

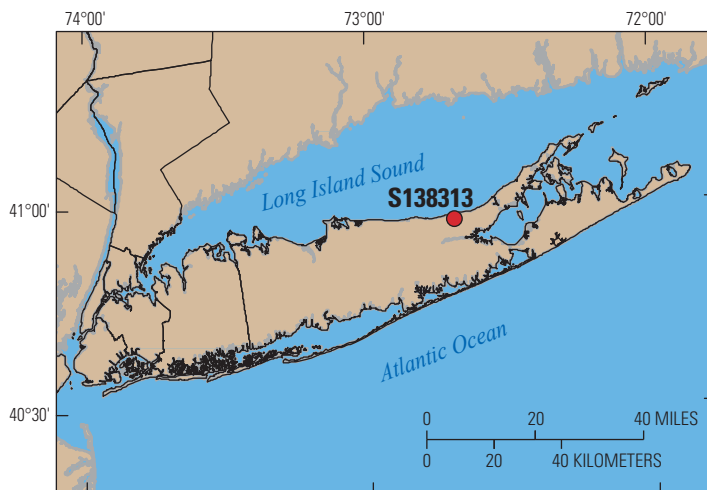
Longitude: 72°41'15.8" NAD83

Land Surface Elevation: 102 ft NAVD88

Well depth: 820 ft    Screened Interval: 790 to 810 ft

Screened aquifer: Upper Raritan Aquifer

Well Completion Date: 5/15/2024



**USGS Geology Log**

- 60 ft: Medium to coarse brown sand and gravel
- 80 ft: Coarse light brown sand and gravel
- 100 ft: Medium to coarse light brown sand and gravel
- 120 ft: Small to large gravel, coarse light brown sand
- 140 ft: Coarse light brown sand with few gravels
- 160 ft: Fine grayish-brown sand with trace gravels
- 180 ft: Grayish-brown silt
- 200 ft: Medium grayish-brown sand, trace gravels
- 220 ft: Grayish-brown silt, presence of mica
- 240 ft: Fine grayish-brown sand
- 260 ft: Sandy grayish-brown silt
- 280 ft: Clayey gray silt, sandy gray silt, silty gray sand, iron-stained fine to medium sand
- 300 ft: Medium grayish-brown sand
- 320 ft: Iron-stained medium sand, thin bed of iron concretions, fine to medium light gray sand
- 340 ft: Fine to medium brownish-gray sand with muscovite mica
- 360 ft: Fine to medium gray sand with muscovite mica
- 380 ft: Fine to medium gray sand, thin bed of iron-stained sand and iron concretions (possible weathered lignite) near bottom of core, presence of muscovite mica
- 400 ft: Clayey black silt with gray laminations at top, Clayey gray silt with black laminations at bottom, presence of muscovite mica
- 420 ft: Medium gray silty sand
- 440 ft: Medium gray sand, some yellow and tan coloration
- 460 ft: Fine to medium gray and yellowish tan sand, trace muscovite mica

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## USGS Geology Log

480 ft: Fine to medium grayish-brown sand  
500 ft: Silty light gray fine sand and fine light gray sand  
520 ft: Silty light gray fine sand  
540 ft: Medium light gray sand, few gravels and silty fine sand  
550 ft: Medium gray and yellow sand with trace gravels at top, silty fine gray sand and silt at bottom  
560 ft: Multicolored fine to medium sand grading into silty fine gray sand  
570 ft: Silty fine multicolored sand grading into fine to medium light gray sand  
580 ft: Medium light brown sand at top, fine to medium light gray sand at bottom  
590 ft: Medium light brown and tan sand  
600 ft: Fine tan and light gray sand  
610 ft: Silty fine light gray and tan sand  
620 ft: Medium light gray and yellowish-tan sand  
630 ft: Medium light gray and tan sand  
640 ft: Silty fine light gray sand, some tan sand, thin bed of iron concretion near bottom  
650 ft: Fine to coarse beds of yellowish-tan, light gray and light brown sand, few gravels, trace white clay  
660 ft: Medium tan and white clayey sand, medium stiff white clay and medium tan sand  
670 ft: Medium to coarse clayey light gray sand, trace gravels and white clay  
680 ft: Silty fine light gray sand  
690 ft: Silty fine white sand, some broken gravels  
700 ft: Broken gravels and coarse sand at top, fine to medium white sand at bottom  
710 ft: Fine to coarse silty white sand and gravel and white clay (poorly sorted)  
720 ft: Silty fine white sand  
730 ft: Silty fine white sand  
740 ft: Silty fine white sand  
750 ft: Silty fine white sand with white silty clay at bottom  
760 ft: Silty fine white sand grading into white silt  
770 ft: Coarse sand and gravel  
780 ft: Silty fine white sand, trace medium sand  
790 ft: Medium stiff dark gray clay  
800 ft: Silty fine white sand  
810 ft: Silty fine white sand, medium to coarse at bottom  
820 ft: Hard gray clay changing to hard red clay with some tan clay  
830 ft: Black and gray laminated silt grading into soft silty gray clay with laminations of gray silt

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### USGS Borehole Geophysical Logs

