

<p style="text-align: center;">U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SERVICE</p> <p style="text-align: center;">HORIZONTAL AND VERTICAL CONTROL REPORT</p>
<p><i>Type of Survey</i> Field Examination</p> <p><i>Field No.</i> B310-NRT5-07</p> <p><i>Registry No.</i> F00538</p>
<p style="text-align: center;">LOCALITY</p> <p><i>State</i> New York</p> <p><i>General Locality</i> East River</p>
<p style="text-align: center;"><u>2007</u></p> <p style="text-align: center;">CHIEF OF PARTY</p> <p style="text-align: center;">LT(jg) Matthew Jaskoski</p> <p style="text-align: center;">NOAA Navigational Response Team 5</p>
<p style="text-align: center;">LIBRARY & ARCHIVES</p> <p>DATE</p>

I. Projects Surveyed**B310-NRT5-07****Registry #: F00538**

- General Locality: East River
- Sublocality: 63rd Street Tunnel
- Chief of party: LT(jg) Matthew Jaskoski
- Project Instructions: January 05, 2005

II. Vertical Control**A. B310-NRT5-07**

The operating National Water Level Observation Network (NWLON) station at The Battery, NY (851-5750) served as datum control for the survey area, control for data determination at the subordinate station, and will provide reducers for this project. This gauge did not require leveling by personnel from NOAA NRT-5. Secondary and tertiary water level stations were located at Sandy Hook, NJ (853-1680) and Bergen Point, NJ (851-9483) respectively. All gauges used for OPR-D310-NRT5-07 was a GOES enabled acoustic VX1100 gauges. Observed water level data were downloaded from the CO-OPS website. Water level data from The Battery were applied to bathymetry data in *Caris HIPS*. No adequate zone definition file was supplied with the project instructions.

The Battery, NY

- Station ID: 851-5750
- Latitude: 40° 42.0' N
- Longitude: 074° 00.9' W
- No unusual tidal, water level or current conditions were reported.
- No leveling was required by personnel from NOAA NRT-5
- See table 1 for the dates of hydrography.

Sandy Hook, NJ

- Station ID: 853-1680
- Latitude: 40° 28.0' N
- Longitude: 074° 00.6' W
- No unusual tidal, water level or current conditions were reported.
- No leveling was required by personnel from NOAA NRT-5
- See table 1 for the dates of hydrography.

Bergen Point, NJ

- Station ID: 853-1680
- Latitude: 40° 38.4' N
- Longitude: 074° 08.8' W
- No unusual tidal, water level or current conditions were reported.
- No leveling was required by personnel from NOAA NRT-5
- See table 1 for the dates of hydrography.

Table 1 - Dates of Hydrography

Year_DOY	Min Time	Max Time
2007_072	13:38:00	17:54:59
2007_073	10:16:00	15:58:37
2007_078	15:48:25	17:02:35

III. Horizontal Control

All parameters were provided in the letter instructions; no additional fieldwork was completed that would change these parameters.

IV. Approval

As Chief of Party, I have ensured that all information contained in the Vertical and Horizontal Control Report is complete and accurate to the best of my knowledge.

LT(jg) Matthew Jaskoski, NOAA
OIC NRT-5