

II. Vertical Control

A. B370-TJ-04

The operating National Water Level Observation Network (NWLON) stations at New London, CT (846-1490), and New Haven, CT (846-5705) served as datum control for the survey areas, control for data determination at the subordinate stations, and will provide reducers for this project. These gauges did not require leveling by personnel from NOAA Ship THOMAS JEFFERSON. The operating tide stations: 851-0719 located in Silver Eel Pond, Fishers Island required opening and closing bracket levels by personnel from the NOAA Ship THOMAS JEFFERSON. All gauges used for OPR-B370-TJ-04 were acoustic VX1100 gauges and all gauges were GOES enabled. Preliminary tide zoning was provided with the Project Instructions. Observed water level data were downloaded from the COOPS website. These water level data and preliminary zoning were applied to bathymetry data in Caris Hips.

Thames River, New London, CT

- Station ID: 846-1490
- Latitude: 41° 21.3' N
- Longitude: 072° 05.2' W
- No unusual tidal, water level or current conditions were reported.
- No leveling was required by personnel from NOAA Ship THOMAS JEFFERSON
- See table below for the dates of hydrography.

New Haven, CT

- Station ID: 846-5705
- Latitude: 41° 17.0' N
- Longitude: 072° 54.5' W
- No unusual tidal, water level or current conditions were reported.
- No leveling was required by personnel from NOAA Ship THOMAS JEFFERSON
- See table below for the dates of hydrography.

Silver Eel Pond, Fisher's Island, NY

- Station ID: 851-0719
- Latitude: 41° 15.4' N
- Longitude: 072° 01.8' W
- No unusual tidal, water level or current conditions were reported.
- Opening Bracket Levels for existing station 851-0719 were done by personnel from NOAA Ship THOMAS JEFFERSON on April 20, 2005. A package containing site reports and opening bracket levels was sent to N/OPS1 on April 22, 2005. Closing Bracket Levels for 851-0719 were done by personnel from NOAA Ship THOMAS JEFFERSON on May 22, 2005. A package containing site reports and closing bracket levels was sent to N/OPS1 on May 27, 2005.
- See table below for the dates of hydrography.

Table 1 - Dates of Hydrography

Year_DOY	Min Time	Max Time
2005_110	13:45:44	21:35:19
2005_111	12:48:11	21:20:02
2005_112	13:27:58	20:33:14
2005_114	17:22:50	20:01:35
2005_115	13:08:08	20:14:06
2005_116	10:59:19	21:49:24
2005_117	12:40:56	15:27:41
2005_117	16:09:44	20:26:31
2005_118	12:42:34	21:07:23
2005_119	11:15:12	22:05:03
2005_119	22:58:56	23:32:38
2005_120	11:21:29	22:32:08
2005_121	10:54:57	22:44:11
2005_122	11:08:36	22:34:58
2005_123	11:09:29	22:53:08
2005_124	10:47:49	22:51:47
2005_125	12:38:50	21:27:09
2005_126	12:45:49	15:28:46
2005_126	15:59:36	19:07:55
2005_129	12:54:19	21:14:33
2005_130	10:57:27	21:52:19
2005_130	10:52:38	23:21:38
2005_131	12:06:14	13:28:01
2005_131	10:44:32	23:10:52
2005_132	12:52:03	21:39:37
2005_133	10:54:00	22:35:12
2005_134	10:53:51	23:19:20
2005_135	10:19:35	23:02:59
2005_136	11:08:36	23:01:27
2005_137	11:14:16	12:29:09
2005_137	10:51:10	22:54:25
2005_138	11:20:28	17:08:37
2005_138	16:33:46	23:01:15
2005_139	10:55:51	14:29:52
2005_139	11:00:48	22:41:51
2005_140	10:35:19	22:48:17
2005_141	12:30:47	19:31:49
2005_142	12:16:37	21:32:30