

VERTICAL CONTROL

The tidal datum for this project is Mean Lower Low Water (MLLW). The operating National Water Level Observation Network (NWLON) station at New London, CT (846-1490), and the Physical Oceanographic Real Time System (PORTS) station at New Haven, CT (846-5705) served as datum control for the survey area as well as control for datum determination at the subordinate stations.

The operating water level stations at New London, CT (846-1490), New Haven, CT (846-5705), Silver Eel Pond (851-0719), and Mattituck Inlet (851-2668) will also provide water level reducers for this project.

Table 2: Final Tide Zones & Correctors

| ZONE NAME | CORRECTOR (min) | RATIO | REFERENCE |
|-----------|-----------------|-------|-----------|
| LIS 48B | 0 | X0.96 | 846-5705 |
| LIS 51B | 0 | X0.93 | 846-5705 |
| LIS 54A | 0 | X0.89 | 846-5705 |
| LIS 56B | 0 | X0.86 | 846-5705 |

A Request for Approved Tides letter was sent to N/OPS1 on December 3, 2004 (Appendix IV). * Verified tides with the zoning from the N/OPS1 CO-OPS website were downloaded on November 11, 2004, and were applied to all sounding data. Refer to the Fall-2004 DAPR** for a summary of the methods used to determine, evaluate, and apply tide corrections to sounding data. ***Approved tides and zoning were applied in CARIS during office processing. See also the Evaluation Report.***