

## VERTICAL CONTROL

The tidal datum for this project is Mean Lower Low Water (MLLW). The operating National Water Level Observation Network (NWLON) stations at New London, CT (846-1490) and Montauk, NY (851-0560), 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 station at Silver Eel Pond, Fishers Is, NY (851-0719).

The final zones used for this survey are as follows:

**Table 1: Final Tide Zones & Correctors**

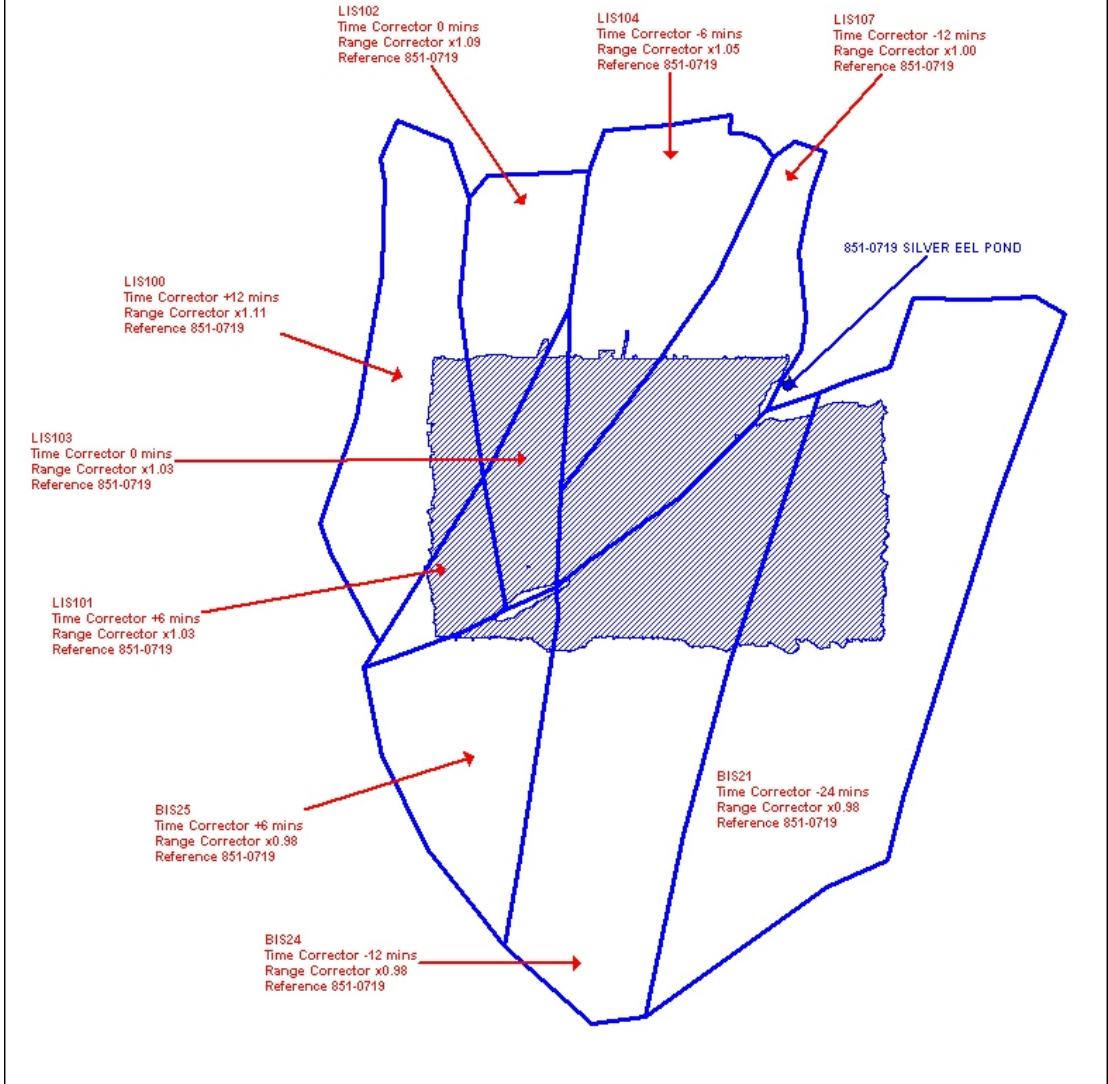
<b>ZONE NAME</b>	<b>CORRECTOR (min)</b>	<b>RATIO</b>	<b>REFERENCE</b>
LIS100	+12	1.11	851-0719
LIS101	+6	1.03	851-0719
LIS102	0	1.09	851-0719
LIS103	0	1.03	851-0719
LIS104	-6	1.05	851-0719
LIS107	-12	1.00	851-0719
BIS21	-24	0.98	851-0719
BIS24	-12	0.98	851-0719
BIS25	+6	0.98	851-0719

A Request for Approved Tides letter was sent to N/OPS1 on November 06, 2003 (Appendix IV).<sup>\*</sup> Verified tides from the N/OPS1 CO-OPS website were downloaded on February 2, 2004, and applied to all sounding data. Refer to the August-September 2004 DAPR<sup>\*</sup> for a summary of the methods used to determine, evaluate, and apply tide corrections to sounding data.

For the final tide zoning (received from N/OPS1 on January 22, 2004), see the figure on the following page. *Approved tides and zones where applied during field operations.*

*<sup>\*</sup>Data filed with original field records.*

**Final Tide Zoning  
for OPR-B370-TJ-2003, H11250  
The Race, Long Island Sound, NY**



**Figure 2: Final Tide Zoning**