

VERTICAL CONTROL

The tidal datum for this project is Mean Lower Low Water (MLLW). The operating tide station at The Battery, NY (851-8750) and Kings Point, NY (851-6945) served as control for datum determination. A Tertiary gauge at Horns Hook, NY (851-8668) provided ancillary tide data.

Tidal zoning for this survey is consistent with the Letter Instructions. The zoning used for this survey is as follows:

STATION	CORRECTOR (min)	RATIO	REFERENCE
NY21	0	x1.00	851-8750
NY22	+12	x0.98	851-8750
NY23	+24	x0.96	851-8750
NY24	+42	x0.94	851-8750

NY25	+54	x0.94	851-8750
NY26	+66	x0.96	851-8750
NY27	+84	x0.99	851-8750
NY28	-6	x0.99	851-8668
NY28A	0	x1.00	851-8668
NY29	+12	x1.05	851-8668
NY30	+18	x1.09	851-8668
NY31	+30	x1.13	851-8668
NY32	+42	x1.18	851-8668
NY33	+54	x1.22	851-8668
NY34	-36	x0.82	851-6945
NY35	-24	x0.84	851-6945
NY36	-18	x0.86	851-6945
NY37	-6	x0.88	851-6945
NY38	-6	x0.91	851-6945
NY39	0	x0.93	851-6945
NY39A	+12	x0.94	851-6945
NY42	+12	x0.96	851-6945

A Request for Approved Tides letter was sent to N/OPS1 on September 16 2004 (Appendix IV*). Verified tides from the N/OPS1 CO-OPS website were downloaded on August 28, 2004, and applied to all sounding data. *Approved tides using final tide zoning were re-applied during office processing.*

** Filed with original field records.*