

VERTICAL CONTROL

The tidal datum for this project is Mean Lower Low Water (MLLW). The operating tide station at Portland, ME (841-8150) served as control for datum determination. Tertiary gauges at Seavey Island (841-9870) and Schiller Generating Plant (842-3351) provided ancillary tide data.

Tidal zoning for this survey was altered from the Letter Instructions to provide a mixed file for both 2000 and 2001 datasets based on the tidal datum from Seavey Island (received from N/OPS1, Cary Wong, December 2001). The zone used for this survey are as follows:

STATION	CORRECTOR (min)	RATIO	REFERENCE
PIS1	-12	x1.06	841-9870
PIS2	-12	x1.05	841-9870
PIS5	-6	x1.04	841-9870
PIS8	-6	x1.02	841-9870
PIS9	0	x1.00	841-9870
PIS10	0	x0.98	841-9870
PIS13	+6	x0.96	841-9870
PIS14	+12	x0.93	841-9870
PIS15	+18	x0.91	841-9870
PIS17	+30	x0.89	841-9870
PIS18	+36	x0.86	841-9870
PIS19	+48	x0.84	841-9870
PIS20	+60	x0.82	841-9870
PIS25	+72	x0.81	841-9870
PIS26	+78	x0.79	841-9870

For the 2000 Dataset, a Request for Approved Tides letter was sent to N/OPS1 by LT Shep Smith from UNH (no copy of the transmittal is available), and for the 2001 Dataset, a Request for Approved Tides letter was sent to N/OPS1 on October 3, 2001 (Appendix IV)*. Seavey Island, ME (841-9870) verified tidal data were acquired from N/OPS1 CO-OPS on December 20, 2001 and applied to all sounding data on March 5, 2002 using Caris HIPS v5.2. *Approved tides and zones were reapplied to survey in Caris during office processing.*
** Data filed with original field records.*