

## C. VERTICAL AND HORIZONTAL CONTROL

### VERTICAL CONTROL

The tidal datum for this project is Mean Lower Low Water (MLLW). The operating tide stations at Boston, MA (844-3970) and Portland, ME (841-8150) served as control for datum determination. Tertiary gauges at Boston Light (844-4162) and Fort Point, NH (842-3898) provided ancillary tide data. *Concur.*

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

ZONE NAME	CORRECTOR (min)	RATIO	REFERENCE
NA177	-12	x0.87	844-3970
NA184	-12	x0.85	844-3970

A Request for Approved Tides letter was sent to N/OPS1 on October 15, 2003 (Appendix IV\*). Verified tides from the N/OPS1 CO-OPS website were applied to THOMAS JEFFERSON data on February 20, 2004. Verified tides were applied to Creed data on September 10, 2003.

Preliminary zoning and verified water levels downloaded from the CO-OPS web site were used for the OSD data within the limits of this sheet. There were no differences in the preliminary and final zoning for this survey sheet. The controlling station at Boston Light (844-3970) was used for vertical water levels.

*\* Data filed with original field records.*