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## **C. HORIZONTAL and VERTICAL CONTROL**

### **C.1 Horizontal Control**

The horizontal control datum for this survey was the North American Datum of 1983 (NAD83).

USCG corrections were used to correct the real-time DGPS corrections. This position was corrected for offsets to the MBES sonar by Kongsberg's Seafloor Information System (SIS) on the acquisition computer during acquisition.

Navigation data between Julian days 238-264 were in need of editing due to an intermittent gap in the 2 Hz sample rate. This was due to a problem with the primary DGPS which was replaced on day 265. Left unedited this posed no threat to data quality, but was edited to ensure this was the case.

### **C.2 Vertical Control**

All sounding data were initially reduced to MLLW using observed tidal data from the Bar Harbor tide station (ID: 8413320). Observed tides were used only for preliminary data cleaning.

Final tidal corrections were generated using the verified tides from the Bar Harbor tide station and the tidal zones delivered by CO-Ops.