III.   Vertical and Horizontal Control

This survey was completed with respect to MLLW, WGS-84, and UTM Zone 19N. Horizontal and vertical field controls were established using a Trimble RTK base station/rover pair. More information can be found in the DAPR and HVCR submitted with these data.

a) Vertical Control

Data was acquired with respect to the WGS-84 datum and transformed to MLLW using a static offset computed using VDatum. Since the survey fell within one tide zone, NA169, the offset did not vary significantly within the region. More information can be found in the DAPR and HVCR submitted with these data.

b) Horizontal Control

A Trimble RTK base station/rover pair was utilized for positioning corrections for the entirety of the survey. Corrections were broadcast from the Seacoast Science Center in Rye, NH.

POSPac MMS 8.0 was used to post-process horizontal position and attitude for all data. SBET's were generated and applied to all files. More information can be found in the DAPR and HVCR submitted with these data.