

## **G. Vertical and Horizontal Control**

The vertical datum for this project is Mean Lower Low Water. The vertical control method used was VDatum.

Vertical control was established through ERS via VDatum Separation model provided with the Project Instructions.

The horizontal datum for this project is North American Datum of 1983 (NAD 83). The projection used for this project is Universal Transverse Mercator (UTM) Zone 17.

Vessel kinematic data were post-processed using Applanix POSPac processing software and RTX positioning methods described in the DAPR. Smoothed Best Estimate of Trajectory (SBET) and associated error (RMS) data were applied to all MBES data in CARIS HIPS and SIPS. The Wide Area Augmentation System (WAAS) was used for real-time horizontal control during data acquisition.