

G. Vertical and Horizontal Control

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

No Horizontal and Vertical Control Report has been generated for H13629. ERS methods were used as the final means of reducing H13629 to MLLW for submission.

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 16.

Vessel kinematic data were post-processed using Applanix POSPac MMS processing software and RTX positioning methods described in the DAPR. A Smoothed Best Estimate of Trajectory (SBET) and associated error (RMS) data were applied to all MBES data in CARIS HIPS and SIPS.

During real-time acquisition, all platforms received correctors from the Wide Area Augmentation System (WAAS) for increased accuracies similar to USCG DGPS stations. WAAS and SBETs were the sole methods of positioning for H13629 as no DGPS stations were available for real-time horizontal control.