G. Vertical and Horizontal Control

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

All F00809 survey data were reduced to MLLW using VDatum methods. The ellipsoid to chart datum separation file used is S-J908_VDatumLimits_100m_NAD83-MLLW_geoid12b. Refer to the DAPR for a complete description of vertical control procedures.

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.

Horizontal and vertical positioning were achieved in accordance with practices outlined in the DAPR. Processing and products for Survey F00809 were conducted and completed in NAD 83 per HSSD specification. Refer to the DAPR for a complete description of horizontal control procedures.

RTX
Precise Positioning-Real Time Extended (PP-RTX) processing methods were used in Applanix POSPac MMS software to produce Smoothed Best Estimate of Trajectory (SBET) files for post-processing horizontal correction.

WAAS
The Wide Area Augmentation System (WAAS) was used for real-time horizontal control during data acquisition.