

G. Vertical and Horizontal Control

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

The vertical output for this project is Mean Lower Low Water.

The following ellipsoid-to-chart vertical datum transformation was used:

ERS via VDATUM

OPR-O190-RA-21_VDatum_NAD83(2011)-MLLW.csar

Ellipsoid referenced GNSS derived heights were used and a separation model was applied to reduce soundings to chart datum.

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 8.

Post Processed-Real Time Extended (PP-RTX) processing methods were used in Applanix POSPac MMS 8.5 SP2 software to produce SBETs for post-processing horizontal correction.