

C. Vertical and Horizontal Control

Per Section 5.2.2.1.3 of the 2020 Field Procedures Manual, no Horizontal and Vertical Control Report has been generated for H13491

C.1 Vertical Control

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

ERS Datum Transformation

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

Method	Ellipsoid to Chart Datum Separation File
ERS via VDATUM	S-N906_Limits_100m_NAD83-MLLW_geoid12b.csar

Table 11: ERS method and SEP file

C.2 Horizontal Control

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 10.

The following PPK methods were used for horizontal control:

- RTX

RTK

Precise Positioning-Real Time Extended (PP-RTX) processing methods were used in Applanix POSpacMMS 8.4 software to produce SBETs for post-processing horizontal correction. All of H13491 meets HSSD horizontal accuracy requirements.