C. Vertical and Horizontal Control

Field installed tide or GPS stations were not utilized for this survey, so no HVCR report is included

C.1 Vertical Control

The vertical datum for this project is Ellipsoidally Referenced Survey.

ERS Methods Used:

ERS via VDATUM

Ellipsoid to Chart Datum Separation File:

Bar Harbor_Limits_xyNAD83-MLLW_geoid12b
F00725 VDatum Extension_SLCONS_Polygon_xyNAD83-MLLW_geoid12b

A VDatum model, Bar Harbor_Limits_xyNAD83-MLLW_geoid12b, was provided to the field unit to use in processing. A separate VDatum separation model (F00725 VDatum Extension_SLCONS_Polygon_xyNAD83-MLLW_geoid12b) was made to cover the survey areas that fell outside of the assigned project area.

C.2 Horizontal Control

The horizontal datum for this project is North American Datum 1983.

The projection used for this project is 19N.

The following PPK methods were used for horizontal control:

Smart Base

The following CORS Stations were used for horizontal control:

HVCR Site ID	Base Station ID
MECC	Bangor
MEMA	Machias
MEWA	Waldo
PNB6	Penebscot 6
BARH	Bar Harbor
MATU	Truro

Table 9: CORS Base Stations

WAAS was used for real-time corrections.