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:

ERS via VDATUM RA-22_GuamCNMI_EC_ERTDM2021_NAD83(MA11)- MLLW.csar OPR_T381- RA-22_GuamCNMI_EC_ERTDM2021_NAD83(MA11)- MHW.csar	Method	Ellipsoid to Chart Datum Separation File
	ERS via VDATUM	OPR_T381- RA-22_GuamCNMI_EC_ERTDM2021_NAD83(MA11)- MLLW.csar OPR_T381- RA-22_GuamCNMI_EC_ERTDM2021_NAD83(MA11)- MHW.csar

Table 13: ERS method and SEP file

C.2 Horizontal Control

The horizontal datum for this project is North American Datum 1983 (MA11).

The projection used for this project is Universal Transverse Mercator (UTM) Zone 55.

<u>RTK</u>

Precise Positioning-Real Time Extended (PP-RTX) processing methods were used in Applanix POSPac MMS (v8.5) software during post-processing horizontal correction of submitted H13573 MBES data.

WAAS

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