

C. Vertical and Horizontal Control

A summary of the horizontal and vertical control for survey H13387 follows.

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	OPR-K375-KR-20_VDatum_NAD83-MLLW_Geoid18.csar OPR-K375-KR-20_VDatum_NAD83-MHW_Geoid18.csar

Table 13: ERS method and SEP file

The MLLW version of the separation file was used to reduce all sounding data to the MLLW chart datum for the survey area. The MHW version of the file was used to transform all mobile laser data to mean high water, the high-water chart datum for the survey area. Both files were provided by the HSD for use on this survey project.

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 15.