

## C. Vertical and Horizontal Control

All MBES bathymetry were acquired relative to the ellipsoid and reduced to MLLW via VDATUM.

### 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:

<b>Method</b>	<b>Ellipsoid to Chart Datum Separation File</b>
ERS via VDATUM	S-M955-RA-18_VDatum_xyNAD83-MLLW_geoid12b.csar

*Table 10: 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.