

## C. Vertical and Horizontal Control

Additional information discussing the vertical or horizontal control for this survey can be found in the accompanying HVCR.

### 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 | EC_Apalachicola_xyNAD83-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 16.

### PPP

All positioning and attitude data associated with OPR-J359-KR-19 was post-processed in POSPac MMS using PP-RTX methods. For further discussion, reference the HVCR and or DAPR submitted with this report.