

G. Vertical and Horizontal Control

The vertical datum for this project is Mean Lower Low Water. The vertical control method used was VDatum.

The vertical datum for this project is MLLW 83-01 NTDE. Tidal data was applied with a MLLW Separation Model (File: NF_Coverage_AreaNEWOBJ(A)_100m_NAD83-MLLW_geoid12b.csar) supplied by CO-OPS.

Not all data was reduced to MLLW via the SEP. Data associated with surface W00603_MB_1m_MLLW_1of7, W00603_MB_2m_MLLW_2of7, W00603_MB_4m_MLLW_4of7, and W00603_MB_4m_MLLW_5of7 were all reduced to MLLW using the SEP model above. Surface W00603_MB_2m_MLLW_3of7 was reduced to MLLW using a constant separation values as described in Section D of this report. Data associated with surface W00603_MB_4m_MLLW_6of7 and W00603_MB_4m_MLLW_7of7 are trackline surfaces with no tides applied, which is allowed by the 2022 HSSD.

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 17.

The projection used for this survey is Projected UTM Zone 17 North. There were no HorCon or VertCon operations performed for this survey.