

## **G. Vertical and Horizontal Control**

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

The following National Water Level Observation Network (NWLON) stations served as datum control for this survey:

<b>Station Name</b>	<b>Station ID</b>
Unalakleet	9468333

No vertical control was used nor were shifts to any datum applied. An exception is lines collected on JD274 - JD285 with SDs 1037 and 1068 in eastern Norton Sound, which were reduced to MLLW using zoned tides based off of Unalakleet. See the Data Acquisition and Processing section for more information.

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 3.

Horizontal control was accomplished through GNSS positioning utilizing WAAS corrections in WGS84. All CARIS HIPS projects and products are NAD83(2011) in the appropriate UTM Zone, ranging from zone 3N to 7N. As noted earlier in this report a small amount of data was collected in 2N but included in the 3N project.