

C. Vertical and Horizontal Control

No additional HVCR submitted with this project.

C.1 Vertical Control

The vertical datum for this project is Mean Lower Low Water.

Standard Vertical Control Methods Used:

Discrete Zoning

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

Station Name	Station ID
Unalaska	9462620

Table 9: NWLON Tide Stations

File Name	Status
9462620.tid	Final Approved

Table 10: Water Level Files (.tid)

File Name	Status
R908FA2012CORP.zdf	Final

Table 11: Tide Correctors (.zdf or .tc)

A request for final approved tides was sent to N/OPS1 on 10/04/2012. The final tide note was received on 10/11/2012.

Preliminary zoning is accepted as the final zoning for project M-R908-FA-12 D00169. Some areas of survey D00169 remain outside the tide zoning and a zero tide was applied to the affected lines.

Tide file is appended to this report.

C.2 Horizontal Control

The horizontal datum for this project is North American Datum of 1983 (NAD83).

The projection used for this project is UTM 3N.

C.3 Additional Horizontal or Vertical Control Issues

3.3.1 WAAS Correctors

The Fairweather used an Integrated Differential GPS (DGPS) system offered within the POS MV 320 unit for real-time positioning of the ship for this project, which afford the option of using Satellite- Based Augmentation Systems (SBAS) - such as WAAS - for real-time decimeter level accuracy in position data. During this project there were minimal DGPS data gaps while using the Integrated DGPS causing almost no data quality issues. An adequate satellite constellation was maintained throughout the project. Navigation data was not post-processed for D00169. Please refer to the DAPR section 1.4.3 for more information.