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.

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 4N.

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 was not post-processed for D00170.

3.3.2 Tide Zoning

Area surveyed was outside tidal zoning parameters, a zero tide was applied to D00170.