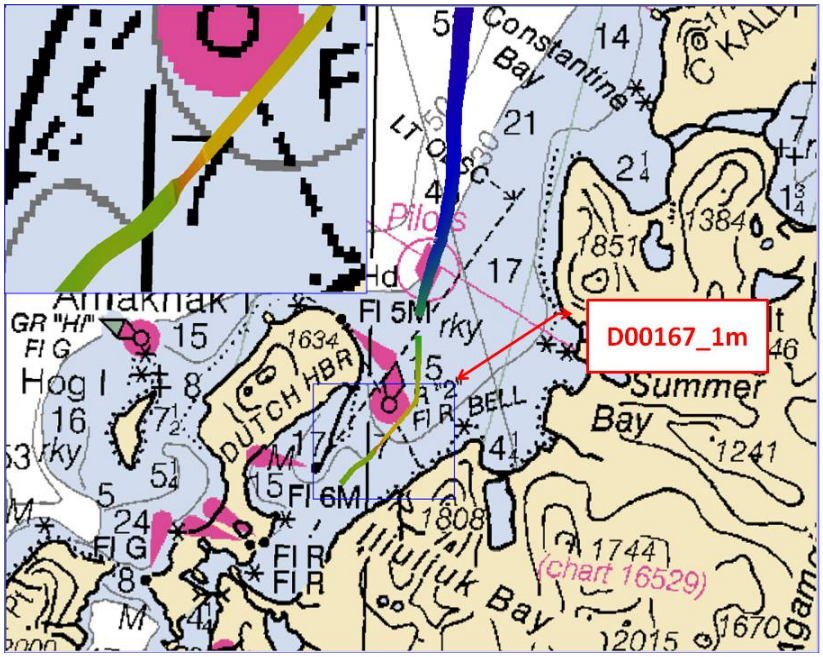

Figure 17: D00167 1m field sheet location

C. Vertical and Horizontal Control

No HVCR was assigned for this project. All information related to Horizontal and Vertical Control for this project will be stated in the current section.

C.1 Vertical Control

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

Standard Vertical Control Methods Used:

TCARI

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

Station Name	Station ID
Unalaska, AK	946-2620
Port Moller, AK	946-3502
Village Cove, AK	946-4212
Nome, AK	946-8756

Table 9: NWLON Tide Stations

There was no Water Level file associated with this survey.

File Name	Status
D00167.tc	Final

Table 10: Tide Correctors (.zdf or .tc)

A request for final approved tides was sent to N/OPS1 on 09/04/2012. The final tide note was received on 10/19/2012.

C.2 Horizontal Control

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

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. The average number of GAMS SVs visible was between 6-12 satellites.