C. VERTICAL AND HORIZONTAL CONTROL

No vertical or horizontal controls were established, recovered, or occupied during data acquisition for OPR-D302-KR-12, which includes H12397. Therefore a Horizontal and Vertical Control Report is not required.

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
Duck, NC	8651370

Table 8: NWLON Tide Station

File Name	Status
8651370_verified_09012012_09302012.tid	Verified Observed

Table 9: Water Level Files (.tid)

File Name	Status
D302KR2012CORP.zdf	Final

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

No final tide note was provided by the NOAA Center for Operational Oceanographic Products and Services (CO-OPS). SAIC is not required to have a final tide note from CO-OPS for H12397 however a final tide note has been provided by SAIC in Appendix I.

The Project Instructions specified NOAA tide station 8651370 Duck, NC as the source for water level correctors. A full explanation of the tide zone assessment is detailed in Section C.4 of the DAPR, rev1. For H12397, 8651370 Duck, NC was the source of all final verified water level heights for determining correctors to soundings. All data for H12397 were contained within two tide zones (SA46 and SA55) which were provided from NOAA.

SAIC did not revise the delivered tide zones for tide station 8651370 Duck, NC as the water level zoning parameters in the file D302KR2012CORP.zdf, provided by National Ocean Service (NOS), were deemed adequate for the application of observed verified water levels. As a result, they were accepted as final and applied to all H12397 multibeam data.