

## C.1 VERTICAL CONTROL

The vertical datum for H12338 is Mean Lower Low Water (MLLW). The Project Instructions specified NOAA tide station 8631044 Wachapreague, VA as the source for water level correctors. A full explanation of the tide zone assessment is detailed in Section C.4 of the DAPR REV 1 delivered concurrently with this report. For H12338, 8631044 Wachapreague, VA was the source of all final verified water level heights for determining correctors to soundings. All data for H12338 were contained within three tide zones which were provided from NOAA and are summarized in Table C-1.

**Table C-1. Water Level Zoning Parameters Applied on Sheet H12338**

<b>Zone</b>	<b>Time Corrector (minutes)</b>	<b>Range Ratio</b>	<b>Reference Station</b>
SA53	-54	0.95	8631044
SA54	-60	0.90	8631044
SA55	-66	0.90	8631044

SAIC did not revise the delivered tide zones for tide station 8631044 Wachapreague, VA as the water level zoning parameters provided by National Ocean Service (NOS), Table C-1, were deemed adequate for the application of observed verified water levels. As a result, they were accepted as final and applied to all H12338 multibeam data.

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 H12338. SAIC has provided a final tide note in Appendix IV.

A small adjacent line offset was seen in the data on JD 223. See section B.2.4 CUBE Uncertainty Analysis for details on this offset.