

## 62. Tide Corrections

The operating tidal station at Willets Pt., NY was the reference station used when determining predicted tides for various sites within the project area. In HDAPS software, predicted tidal correctors were able to be applied to the on-line sounding data compiled throughout the project. Tidal zone correctors were applied to the predicted tides at Willets Pt., NY to compute the least depths over obstructions. The New England Coast has a tidal range on the order of 8 feet. Smooth tides data should be applied to all least depths taken on wrecks and obstructions during the course of this survey.

*\* Filed with original field data.*

The following list shows which tide table was used to plot data for each individual AWOIS item. Some of the initial on-line data was gathered using the incorrect time meridian within the HDAPS tide table. This occurred within Tide Tables 1 & 2; these tables were replaced with Tide Tables 3 & 4 and all data was post-processed using the correct predicted tide table.

<u>HDAPS TIDE TABLE NUMBER / Zone</u>	<u>DOY FROM-TO</u>	<u>APPLICATION AWOIS ITEM / DOY</u>
3 / Execution Rocks	205-219	4400 / 208,209,210,211 4403,4 / 211,216,217 4394 / 210,218 6503 / 209
4 / Execution Rocks	220-234	4400 / 231 4403,4 / 230,231,232 4394 / 221,222,223, 225,228 6503 / 222,224,228,229