

1. Tides and water levels

Preliminary and verified tide data were downloaded from the NOAA CO-OPS web page based on the Portland, ME (841-8150) station. Tide corrector files for each tide zone were created from actual tide data using the **iss2000 tid2hmps** routine. These corrector files were then applied to the multibeam data using the **appcors** program within the **iss2000 Survey Analysis** software.

After verified tides were applied to all multibeam data, grids were created at 1.5 meter cell size.

These grids were then analyzed using color change intervals of 0.1, 0.2, 0.5, and 1 meter. This analysis showed shifts due to tide correction errors, unusual currents, storm surges, etc. There

were no significant shifts due to tides. *APPROVED TIDES AND ZONES WERE APPLIED*