

G.6 Tide Correctors

a. The tidal datums for this project are Mean Lower Low Water (MLLW) and Mean High Water (MHW). Soundings are referenced to MLLW. Heights of bridges and cables are referenced to MHW. The operating tide station at Duke Marine Laboratory, Beaufort, North Carolina (865-6483) served as control for datum determination.

b. Tidal zones are controlled by Duke Marine Laboratory gauge, (865-6483). Due to the limitations of HPS and for ease of data processing, zone SEC86 correctors were applied to all data for AWOIS 594. Zone SEC89 correctors were applied to all data for AWOIS 9945, 9948 and 9949. Correctors were entered using the predicted tide utility in HPS. All proper zones will be applied through HPS upon receipt of approved tides from N/OES234. See following page for location of zones SEC86 and SEC89.

Smooth tides for F00447 were requested from N/OES234 in a letter dated November 19, 1998. *APPROVED TIDES AND ZONING HAVE BEEN APPLIED DURING OFFICE PROCESSING*

The WHITING and its launches employed no unusual or unique methods or instruments to correct echo soundings. All sounding correctors were applied to both the narrow (100 kHz) and wide (24 kHz) DSF-6000N beams. Zoning for this project is consistent with the project instructions.