

F2. Tide Corrections

The operating station at Baltimore, Md. was the reference station used when determining predicted tides for AWOIS items 4468 and 3681. Predicted tides for the remaining four items were computed using Hampton Roads as the reference station. Due to limitations in HDAS software, predicted tidal correctors were not able to be applied to the on-line sounding data compiled throughout the project. Tidal Zoning Correctors were applied to the predicted tides to compute the Least Depths which were obtained using the pneumofathometer. Direct control of Least Depths was provided by the tide stations at Annapolis (857-5512) and Solomons, MD (857-7330). The Annapolis station was leveled on 8 July. Leveling of the Solomons station was conducted on 16 November. The NOAA Ship HECK installed a tide station at Chesapeake Beach, MD in accordance with the project instructions. See Appendix I for a copy of the HECKs field tide note. A request for

smooth tides was made to N\OMA12 on December 15, 1987. The Tide Note ✓
and Request for Smooth Tides are included in Appendix I.

(Predicted)

The Tidal Zone Correctors were applied to the individual AWOIS Items ✓
as follows:

See the Approved Tide Note attached to this Report.

Item	Tidal Zone Correctors		Height Ratio
Number	High Water	Low Water	

On Hampton Roads, VA

3675	+3 HR 53 MIN	+4 HR 12 MIN	0.53
3676	+3 HR 53 MIN	+4 HR 12 MIN	0.53
2361	+3 HR 26 MIN	+3 HR 30 MIN	0.49
MARY L McALLISTER	+3 HR 26 MIN	+3 HR 30 MIN	0.49

On Baltimore, MD

4468	-4 HR 03 MIN	-4 HR 06 MIN	0.98
3681	-4 HR 03 MIN	-4 HR 06 MIN	0.98