

f. Tide Correctors

The tidal datum for this project is Mean Lower Low Water. The operating tide station at Annapolis, MD (857-5512) served as control for datum determination.

The project area for this survey encompasses tidal zones 47, 48, 60, 63 and 65 as specified in the project instructions for OPR-E346-AHP. Two primary gauges; Baltimore, MD (857-4680) and Annapolis, MD (857-5512) control these zones. Predicted tides were used to correct all soundings during data collection. For final on-board compilation and plotting, real tides from both the Baltimore and Annapolis primary tidal stations were downloaded from the OLLD web page (http://www.ollid.nos.noaa.gov/data_res.html). This tidal data was edited on board, and applied to the proper tidal zones per the OPR-E346-AHP Project Instructions. **It should be noted that the processing done to this unverified tidal information was preliminary, and at the time of this processing, HPS did not officially support the tidal information as downloaded from this Internet site.** These unverified tidal corrections were then applied to the hydrographic data using the HPS smooth tides utilities. Once these unverified real tides have been verified by N/OES and transmitted to the Atlantic Hydrographic Branch, they will be re-applied to the data as smooth tides through HPS.

Smooth tides were requested from N/OES234 in a letter mailed and dated November 12, 1996. *APPROVED TIDES AND ZONING WERE APPLIED DURING OFFICE PROCESSING*
The BAY HYDROGRAPHER employed no unusual or unique methods of instruments to correct echo soundings not already mentioned in this section.

All sounding correctors were applied to both the narrow (100 kHz) and wide (24 kHz) DSF-6000N beams. Tidal Zoning for this project is consistent with the Project Instructions.