Static draft corrections were determined by measurements performed in Oyster Bay at Plum Point on June 8, 1990 (DN 159). The data were applied to all soundings acquired with the Innerspace 448 and the Raytheon DE-719-C echo sounders. A 0.36 meter static draft correction was applied to all sounding data, acquired with EDP No. 0518, and a 0.33 meter corrector applied to EDP No. 0519. The offset tables are included with the separates following Survey Data.

Settlement and squat measurements for vessel 0518 and 0519 were performed on June 8, 1990 (DN 159) at Plum Point using the NOS prescribed level rod method (Zeiss level s/n 08764). Settlement and squat correctors were determined and applied to all survey data.

Predicted tide corrections to MLLW datum were applied to all soundings on line using the reference station and correctors designated in the project instructions. Unverified water level correctors were determined from the gauges maintained by AHP-2 and compared to the predicted correctors to identify periods when actual and predicted tides were not in agreement. These differences were monitored and used to determine if sounding disagreements were due to tidal prediction errors.

Approved water levels were requested from the Sea and Lake Levels Branch in a letter dated August 20, 1990. A copy of the letter is included in the Descriptive Report Appendices. Approved tides and zonings were applied to the present survey during office processing.

H. CONTROL STATIONS

The horizontal control datum for this project is the North American Datum of 1983.

All control stations used on this survey were either existing stations or stations set by the Coastal Surveys Unit using third order, class I traverse and intersection methods. The horizontal control report was written within the Coastal Surveys Unit and was forwarded to the Atlantic Hydrographic Section in Norfolk, Virginia.

Geographic positions for all control stations used on this survey are underlined and included with the station list in the Descriptive Report Appendices.

Geographic positions based on NAD 27 may be plotted on the smooth sheet utilizing the NAD 83 projection by applying the following corrections.

Latitude: + 0.35"
Longitude: + 1.55"