

8. TIDE CORRECTORS

Predicted tide correctors were applied on-line by HDAPS to all soundings that were acquired with the DSF 6000N, except as noted in the Field Tide Note, Separate B.* All echo sounding data plotted on the final field sheets were plotted with predicted tide correctors.

Approved tides have been applied to the smooth sheet during office processing.

The tidal datum for this project was mean lower low water. The operating tide station at Sandy Hook, New Jersey (853-1680), served as the only control for datum determination. Opening and closing third-order levels were run from the tide staff to five bench marks on September 6 and November 28, 1988, respectively.

Predicted tides were calculated using Sandy Hook, New Jersey, as the reference station. The time and height correctors were given in the Project Instructions, section 5.9, for the project area (a -30 minute time correction, and a 0.94 range ratio, north of latitude 40-10.0 N). The datum determination for predicted tide determination in the 1988 Tide Table is mean low water instead of mean lower low water.

** Filed with original field records.*

Smooth tides were requested from Chief, Sea and Lake Levels Branch, N/OMA12, in a letter dated November 21, 1988, referenced as Separate M. The Field Tide Note is included as Separate B.*