

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 sheet were plotted with predicted tide correctors.

The tidal datum for the project was mean lower low water. The operating tide station at Sandy Hook, New Jersey (853-1680), served as control for datum determination. Third-order levels were run from the tide staff to five bench marks on 6 September, 1988. No secondary tide stations were established. Closing levels were run on November 28, 1988.

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 for predicted tides in the 1988 Tide Table is mean low water instead of mean lower low water. As a result, all sounding data acquired in the field were not reduced for the proper tidal datum. *Approved tides was applied to processed data.*

Smooth tides were requested from Chief, Sea and Lake Levels Branch, N/OMA12, in a letter dated 05 December, 1988. A copy of the letter is included in Separate L. The Field Tide Note is also included in Separate B.