

## 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, and 28 November, 1988. No secondary tide stations were established.

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 predicted tide tables have Mean Low Water listed as the tidal datum in the 1988 edition.

Smooth tides were requested from Chief, Sea and Lake Levels Branch, N/OMA12, in a letter dated 16 November, 1988. A copy of the letter is included in Separate B.L.\* The Field Tide Note is also included in Separate B.\*