

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 a 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). Because the transition line was in the middle of the sheet, only the north correctors were used. Correctors south of latitude 40-10.0 N should be applied at the Pacific Marine Center. The predicted tide tables for 1988 have Mean Low Water as the tidal datum rather than Mean Low^{er} ~~Lower~~ Water which was specified in the project instructions. *Recommend. zoning has been applied.*

Smooth tides were requested from Chief, Sea and Lake Levels Branch, N/OMA12, in a letter dated 19 December, 1988. A copy of the letter is included in Separate I. The Field Tide Note is also included in Separate B.