

G2. Tide Corrections

The tidal datum for this project is mean lower low water. The operating tide station at Sandy Hook, NJ will serve as control for datum determination. This station was also used for predicted tides. No tide stations were established by the HECK in support of this survey. Verification Third-order levels were conducted at the tide station on June 28, 1989 (DOY 179) and at the end of the project on August 31, 1989 (DOY 243). ✓

The diver determined depth has been corrected for predicted tides. The tidal value was taken from Tide Tables 1989 High and Low Water Predictions, East Coast of North and South America. Correctors for time and height were taken from the project instructions. ✓

Tidal correctors were applied online by entering the appropriate values into the HDAPS predicted tide tables. Two predicted tide tables were used. These tables are included in*APPENDIX I.D., HDAPS PREDICTED TIDES TABLES. *the depths determined by divers have been corrected for actual tides on the smooth sheet.* ✓

A Request for Approved Tides was mailed to Chief, Sea and Water Levels Branch, on October 2, 1989. A copy of this letter is enclosed in Appendix I.E.

Predicted tides for Sandy Hook, New Jersey, zoned for the project area, were used for the reduction of soundings during field processing. Approved hourly heights zoned from Sandy Hook, gage 853-1680, were used during office processing.