

62. 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). ✓

All hydrographic and diver determined depths have been corrected for predicted tides. The tidal values were 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. *The predicted tides applied to detached positions on the field sheets are incorrect. See annotations in Section 4 for corrected values.*

Tidal correctors were applied online by entering the appropriate values into the HDAPS predicted tide tables. Three predicted tide tables were used. These tables are included in APPENDIX I.D., HDAPS PREDICTED TIDES TABLES. *(filed with the survey records)* ✓

A Request for Approved Tides was mailed to Chief, Sea and Water Levels Branch, on October 17, 1989. A copy of this letter is enclosed in Appendix I.E. *(filed with the survey records)* ✓

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, New Jersey, gage 853-1680, were used during office processing.