

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 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.

Tidal correctors were applied online by entering the appropriate values into an HDAPS predicted tide table. This table is included in APPENDIX I.D., HDAPS PREDICTED TIDES TABLES. *

Tidal correctors were incorrect on Day 228-231. This only effected the soundings on the final Field sheet.
A Request for Approved Tides was mailed to Chief, Sea and Water Levels Branch, on November 17, 1989. A copy of this letter is enclosed in Appendix VI.A. *

Predicted tides for Sandy Hook, New Jersey 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.