

7. TIDE CORRECTORS (1986)

Predicted tide correctors were applied on-line to all sounding data that was collected with the DSF 6000N, except as noted in the Field Tide Note, Separate D. All echo sounding data plotted on the final field sheet were plotted with predicted tide correctors.

The predicted tides were calculated based on 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).

The control station for the survey was the operating tide station at Sandy Hook, New Jersey (853-1680). The operating station at Long Branch Pier, New Jersey (853-1991) provided additional control for datum determination, as well as served as direct control for the project area.

The predicted tide tapes used on-line and during field processing with the Hydroplot system were generated with program AM500, "Predicted Tide Generator."

Smooth tides were requested from Chief, Sea and Lake Levels Branch, N/OMA12, in a letter dated 20 October 1986. A copy of the letter is included in Separate B.*

The Field Tide Note is included in Separate B.*

** Filed with original field records*

7. TIDE CORRECTORS (1987)

Predicted tide correctors were applied on-line to all sounding data that were collected with the DSF 6000N, except on the following days:

VESNO 2931

167 194
188 196
189 197
190 236

VESNO 2932

176 197 232 290 303 320
178 221 245 291 305 321
179 222 265 292 306 322
191 223 288 299 307

All echo sounding data plotted on the final field sheet were plotted with predicted tide correctors.

The predicted tides were determined based on the primary gage at 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).

The control station for the survey was the operating tide station at Sandy Hook, New Jersey (853-1680), Latitude $40^{\circ} 28.0' N$, Longitude $074^{\circ} 00.6' W$. This was also the primary tide station. The operating tide station at Long Branch Pier, N.J. (853-1991), Latitude $40^{\circ} 18.2' N$, Longitude $073^{\circ} 58.0' W$ burned down on 08 June 1987 and was therefore not used for this survey in accord with Change No. 2 to the Project Instructions, dated 08 July 1987.

The predicted tides were requested from Chief, Sea and Lake Levels Branch, N/OMA12, in a letter dated 09 December 1987. The Field Tide Note and a copy of the letter are included in Separate B.*

** Filed with original field records.*

7. TIDE CORRECTORS

Predicted tide correctors were applied on-line to all sounding data that was collected with the DSF 6000N, except as noted in the Field Tide Note, Separate D. All echo sounding data plotted on the final field sheet were plotted with predicted tide correctors.

The predicted tides were calculated based on 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).

The control station for the survey was the operating tide station at Sandy Hook, New Jersey (853-1680).

The predicted tide tapes used on-line and during field processing with the Hydroplot system were generated with program AM500, "Predicted Tide Generator."

Smooth tides were requested from Chief, Sea and Lake Levels Branch, N/OMA12, in a letter dated 09 June, 1988. A copy of the letter is included in Separate B. The Field Tide Note is included in Separate B.