

## f. Tide Correctors

The tidal datum for this project is Mean Lower Low Water. The operating tide station at Newport, RI (845-2660) served as both direct control for datum determination and as the reference station for predicted tides. Data for predicted tides were provided on floppy disk before the start of the project. These data were obtained from Table 2 of the East Coast of North and South America Tide Predictions and applied to the digital tide data using HDAPS software. Tidal correctors were applied on-line using HDAPS predicted tide tables numbers.

One set of time and height correctors was supplied for this sheet. A +10 minute time correction and a x1.28 range ratio were applied to the predicted tides at Newport. *APPROVED TIDES AND ZONING WERE APPLIED DURING OFFICE PROCESSING.*

The subordinate station for predicted tides was:

| NO.      | PLACE          | POSITION           | TIME       |           | HEIGHT     |           |
|----------|----------------|--------------------|------------|-----------|------------|-----------|
|          |                |                    | High Water | Low Water | High Water | Low Water |
| 845-1929 | Bristol Harbor | 41°40'N<br>71°17'W | +10 min    |           | x1.28      |           |

A request for smooth tides was mailed on September 18, 1995.

*\* DATA FILED WITH ORIGINAL FIELD RECORDS*

The RUDE employed no unusual or unique methods or instruments to correct echo soundings.

All sounding correctors were applied to both the narrow (100 kHz) and wide (24 kHz) DSF-6000N beams. Zoning for this project is consistent with the Project Instructions.