

The tidal datum for this project is Mean Lower Low Water. The operating tide stations at Nantucket, Massachusetts (844-9130) and Newport, Rhode Island (845-2660) served as the reference stations for predicted tides. The survey area falls within two tide correction zones. Predicted tides were applied to data using the following zoning and corrections:

<u>Zone</u>	<u>Reference Station</u>	<u>Time Correction</u>	<u>Height Ratio</u>
East of 70° 40.00' W	Nantucket	-1 hr 00 min	x0.52
West of 70° 40.00' W	Newport	+1 hr 24 min	x0.61

Tidal data used during data acquisition were taken from Table 2 of the East Coast of North and South America Tide Tables and were applied to the digital data during acquisition by HDAPS. Digital tidal data were received on floppy disk from N/CG24, Hydrographic Surveys Branch.

WHITING was responsible for three tide stations for datum control on H-10556:  
Oak Bluffs, MA (844-8208), Vineyard Haven, MA (844-8157), Cape Higgon, MA (844-

\* DATA FILED WITH FIELD RECORDS

8533). NOAA Ship RUDE installed and leveled a tide gauge at Menemsha, Ma (844-8725). The station at Oak Bluffs used an ADR gauge and a NEXGEN tide gauge; Vineyard Haven, Cape Higgon and Menemsha use a single ADR tide gauge. Opening and closing levels were run as follows:

<u>Station</u>	<u>Opening Levels</u>	<u>Closing Levels</u>
Oak Bluffs	May 19, 1994	September 7, 1994
Vineyard Haven	June 14, 1994	September 9, 1994
Cape Higgon	June 25, 1994	September 9, 1994
Menemsha	June 1, 1994	<i>Performed by RUDE</i>

A request for smooth tides was submitted to the Product and Services Branch, N/OES231, Datums Section, on September 15, 1994. APPROVED TIDES AND ZONING WERE APPLIED DURING OFFICE PROCESSING.