



UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL OCEAN SERVICE  
Office of Ocean and Earth Sciences  
Silver Spring, Maryland 20910

**TIDE NOTE FOR HYDROGRAPHIC SURVEY**

**DATE:** November 12, 1993

**MARINE CENTER:** Atlantic

**HYDROGRAPHIC PROJECT:** OPR-B616

**HYDROGRAPHIC SHEET:** H-10461

**LOCALITY:** Massachusetts, Buzzards Bay 3.0 N.M. East of  
Wilkes Ledge

**TIME PERIOD:** March 24 - August 16, 1993

**TIDE STATION USED:** 844-8248 Penikese Island, Ma.  
Lat.  $41^{\circ} 27.0'N$  Lon.  $70^{\circ} 55.3'W$

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 2.62 ft.  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 3.6 ft.

**REMARKS:** RECOMMENDED ZONING

1. West of  $70^{\circ} 50.0'W$ , times and heights are direct on Penikese Island, Ma. (844-8248).
2. East of  $70^{\circ} 50.0'W$ , times are direct, and apply a X1.06 range ratio to Penikese Island, Ma. (844-8248).

**Note:** Times are tabulated in Eastern Standard Time.

  
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CHIEF, DATUMS SECTION

