



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: March 21, 1996

HYDROGRAPHIC BRANCH: Atlantic

HYDROGRAPHIC PROJECT: OPR-B302

HYDROGRAPHIC SHEET: H-10648

LOCALITY: Rhode Island, Rhode Island Sound, 5.0 Nautical Miles
Southeast of Brenton Point

TIME PERIOD: September 18 - October 31, 1995

TIDE STATION USED: 845-0768 Sakonnet Yacht Club, R.I.
Lat. $41^{\circ} 27.9'N$ Lon. $71^{\circ} 11.6'W$

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 2.62 ft.

HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.3 ft.

TIDE STATION USED: 845-2660 Newport, R.I.
Lat. $41^{\circ} 30.3'N$ Lon. $71^{\circ} 19.6'W$

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 1.67 ft.

HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.7 ft.

TIDE STATION USED: 845-5083 Point Judith, R.I.
Lat. $41^{\circ} 21.8'N$ Lon. $71^{\circ} 29.4'W$

PLANE OF REFERENCE (MEAN LOWER LOW WATER): -0.03 ft.

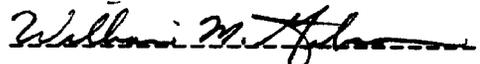
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.2 ft.



REMARKS: RECOMMENDED ZONING

1. In the entrance to Sachuest Bay and Sakonnet River north of a line between points $41^{\circ} 23.8'N$, $71^{\circ} 27.7'W$ (Black Point) and $41^{\circ} 27.2'N$, $71^{\circ} 11.8'W$ (Sakonnet Point), and east of $71^{\circ} 18.7'W$, times and heights are direct on Sakonnet Yacht Club, R.I. (845-0768).
2. In the entrance to Narragansett Bay south of $41^{\circ} 28.5'N$, and north of $41^{\circ} 27.0'N$, times are direct, and apply a X0.97 range ratio to heights using Newport, R.I. (845-2660).
3. In the Entrance to Narragansett Bay south of $41^{\circ} 27.0'N$, north of a line between points $41^{\circ} 23.8'N$, $71^{\circ} 27.7'W$ (Black Point), and $41^{\circ} 27.2'N$, $71^{\circ} 11.8'W$ (Sakonnet Point), and west of $71^{\circ} 18.7'W$, apply a -6 minute time correction, and a X1.05 range ratio to heights using Point Judith, R.I. (845-5083). Where data are not available for Point Judith, R.I., times are direct, and apply a X0.92 range ratio to heights using Newport, R.I. (845-2660).
4. East of $71^{\circ} 25.0'W$, west of $71^{\circ} 11.8'W$, and south of a line between points $41^{\circ} 23.8'N$, $71^{\circ} 27.7'W$ (Black Point) and $41^{\circ} 27.2'N$, $71^{\circ} 11.8'W$ (Sakonnet Point) apply a -6 minute time correction, and a X0.94 range ratio to heights using Sakonnet Point, R.I. (845-0768)).

- Notes:
1. Times are tabulated in Greenwich Mean Time.
 2. Data for Sakonnet Yacht Club, R.I. (845-0768), Newport, R.I. (845-2660), and Point Judith, R.I. (845-5083) are temporarily stored in files #645-0768, #645-2660, and #645-5083 respectively.


CHIEF, DATUMS SECTION