

DATE: April 27, 1983

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TIDE NOTE FOR HYDROGRAPHIC SHEET

Processing Division: Atlantic Marine Center:

Hourly heights are approved for

Tide Station Used (NOAA Form 77-12):

853-8231	Deepwater, NJ
855-0658	Christina River, DE
855-0714	Wilmington, DE
855-0821	Newport, DE

Period: August 25 - November 1, 1982

HYDROGRAPHIC SHEET: H-10042

OPR: D218

Locality: Delaware and Christina Rivers

	853-8231 = 5.65 ft.
	855-0658 = 1.66 ft.
Plane of reference (mean lower low water):	855-0714 = 2.59 ft.
	855-0821 = 6.95 ft.

Height of Mean High Water above Plane of Reference is

	853-8231 = 5.5 ft.
	855-0621 = 5.5 ft.
	855-0714 = 5.4 ft.
	855-0821 = 5.1 ft.

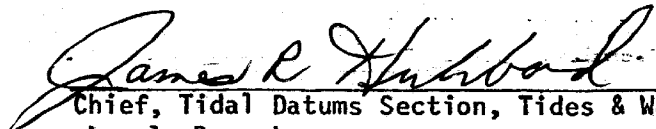
REMARKS: Recommended Zoning:

1. In the Delaware River:

- North of latitude $39^{\circ}40.0'$ zone direct on 853-8231.
- South of $39^{\circ}40.0'$ zone on 853-8231, apply -10 minute time correction.

2. In the Christina River:

- East of longitude $75^{\circ}32.5'$ to $75^{\circ}30.7'$ zone direct on 855-0714.
- West of $75^{\circ}32.5'$ to $75^{\circ}34.0'$ zone direct on 855-0658.
- West of $75^{\circ}34.0'$ to $75^{\circ}35.5'$ zone on 855-0658 apply +10 minute time correction and x0.96 range ratio.
- West of $75^{\circ}35.5'$ zone direct on 855-0821.


Chief, Tidal Datums Section, Tides & Water
Levels Branch