

DATE: 09/21/84

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

TIDE NOTE FOR HYDROGRAPHIC SHEET

Marine Center: Atlantic

OPR: A166

Hydrographic Sheet: H-10134

Locality: Penobscot River, Maine

Time Period: May 20 - June 17, 1984

Tide Station Used: 841-4692 Sandy Point, Maine

Plane of Reference (Mean ~~Lower~~ Low Water): 7.64 ft.

Height of Mean High Water Above Plane of Reference: 10.5 ft.

Remarks: Recommended Zoning:

Zone Direct


Chief, Tidal Datums Section

FIELD TIDE NOTE

Field tide reduction of soundings were based on Predicted Tides from Portland, Maine, and were corrected to OPR-A166-MI/HFP-84 zoning, utilizing a PDP8/E Computer and Program RK500. All times of both Predicted and Recorded Tides are Universal Coordinated Time (GMT).

The number and type of Tide Gages installed, their geographic locations, dates of installation/removal, Leveling, Plane of Reference and period of operation are appended to this note, along with a copy of a letter to OA/C23 requesting verified hourly heights of tides from gages listed in this report.

The respective gages reportedly operated properly/improperly during this Project, with any exceptions noted under "REMARKS" on the appended Tide Gage Sheets.

FIELD TIDE NOTE

TIDE GAGE REPORT

NOS TIDE TABLE NUMBER: 773 TIME MERIDIAN 75 ° WGEOGRAPHIC LOCALE: Coast Guard Base Rockland, MaineNAME: Rockland, Maine STATION NUMBER: 841-5490LATITUDE: 44°06.2' N, LONGITUDE: 069°06.1' WTYPE OF GAGE: ADR, BUBBLER, OTHER ()PLANE OF REFERENCE: MLW, MLLW, GCLWD, OTHER, CORRESPONDSTO FEET ON THE TIDE STAFF FOR THE PERIOD TO DATED INSTALLED: Feb. or Mar. 83 BY: AMC Tides PartyDATE REMOVED: BY: DATE LEVELED: 11 April 84 BY: NOAA Ship MT. MITCHELL22 June 84 NOAA Ship MT. MITCHELLREMARKS: Rockland was the primary tide station for all survey work.

FIELD TIDE NOTE

TIDE GAGE REPORT

NOS TIDE TABLE NUMBER: 769 TIME MERIDIAN 75 ° WGEOGRAPHIC LOCALE: Belfast, MaineNAME: Belfast STATION NUMBER: 841-5191LATITUDE: 44°25'45" N, LONGITUDE: 69°00'16" WTYPE OF GAGE: ADR, BUBBLER, OTHER ()PLANE OF REFERENCE: MLW, MLLW, GCLWD, OTHER, CORRESPONDSTO FEET ON THE TIDE STAFF FOR THE PERIOD TO DATED INSTALLED: 12 April 84 BY: NOAA Ship MT. MITCHELLDATE REMOVED: 30 June 84 BY: NOAA Ship MT. MITCHELLDATE LEVELED: 12,13,17 April 84 BY: NOAA Ship MT. MITCHELL27 June 84 NOAA Ship MT. MITCHELL

REMARKS:	DATE	EVENT
	17 April 84	relevelled to BM 5191A after staff readjusted
	20 April 84	kink taken out of wire
	11 May 84	near broken wire repaired
	12 May 84	gage knocked into water during storm
	14 May 84	new gage installed
	15 May 84	punch block jammed up - repaired
	4 June 84	" "
	12 June 84	negator spring knocked off - repaired

FIELD TIDE NOTE

TIDE GAGE REPORT

NOS TIDE TABLE NUMBER: 877 TIME MERIDIAN 75 ° WGEOGRAPHIC LOCALE: Sandy Point, Penobscot River, MaineNAME: Sandy Point STATION NUMBER: 841-4692LATITUDE: 44°30'20" N, LONGITUDE: 68°48'16" WTYPE OF GAGE: ADR, BUBBLER, OTHER ()PLANE OF REFERENCE: MLW, MLLW, GCLWD, OTHER, CORRESPONDSTO FEET ON THE TIDE STAFF FOR THE PERIOD TO DATED INSTALLED: 7 May 84 // BY: NOAA Ship MT. MITCHELLDATE REMOVED: 26 June 84 BY: NOAA Ship MT. MITCHELLDATE LEVELED: 7 May 84 BY: NOAA Ship MT. MITCHELL22 June 84 NOAA Ship MT. MITCHELLREMARKS: DATE EVENT15 May 84 punch block jammed up- repaired19 May 84 punch block loose - repaired30 May 84 punch block jammed up ~~repaired~~NOTE : A letter was sent to Chief, N/OMS12 on 30 May, 1984concerning the tide gage to staff comparison. Thegage was observed to read higher than the staff byas much as 0.25 feet during times from slack beforeebb up to approximately one hour before max ebb.



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SURVEY
NOAA SHIP MT. MITCHELL S-222
439 WEST YORK STREET
NORFOLK, VIRGINIA 23510

Date : 2 JUL 1984
To : Chief, Tides and Water Levels Branch, N/OMS12
From : *Ray W. Dwyer*
Commanding Officer
NOAA Ship Mt. Mitchell S-222
Subj. : Tidal Data for Hydrographic Survey H-10134
OPR-A166-MI-84, Penobscot Bay, Maine

It is requested that verified hourly heights of Tides, using Coordinated Universal Time, from the Operating Gages listed below, be forwarded to the Processing Division (MOA23), Atlantic Marine Center, Norfolk, VA. 23510

<u>GAGE NAME</u>	<u>NUMBER</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>
PORTLAND, ME. (Reference)	877 (Tide- Tables)	43° 40.0'N	070° 15.0'W
ROCKLAND, ME. (Control)	841-5490	44° 06.2'N	069° 06.1'W
SANDY POINT, ME. (Zone)	841-4692	44° 30.2'N	068° 48.3'W

It is requested that the Time and Height Correctors for each Gage be Zoned as per Project Instructions for the area described within the following points:

LATITUDE 44° 28'21"N, 44° 33'14"N, 44° 33'14"N, 44° 28'21"N
LONGITUDE 68° 53'30"W, 68° 53'30"W, 68° 43'15"W, 68° 53'15"W

This information is requested for the following Dates and Times:

5/20/84 JD 141 0000UCT thru 2359UCT 5/24/84 JD 145
5/29/84 JD 150 0000UCT thru 2359UCT 6/01/84 JD 153
6/03/84 JD 155 0000UCT thru 2359UCT 6/08/84 JD 160
6/12/84 JD 164 0000UCT thru 2359UCT 6/17/84 JD 169

