



TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: April 9, 1999

HYDROGRAPHIC BRANCH: Atlantic

HYDROGRAPHIC PROJECT: OPR-A343-AHP-98

HYDROGRAPHIC SHEET: F00448

LOCALITY: Penobscot Bay & River, ME
Belfast to Bucksport

TIME PERIOD: September 1 - October 13, 1998

TIDE STATION USED: 841-8150 Portland, ME
Lat. 43° 39.4'N Lon. 70° 14.8'W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters

HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.880 meters

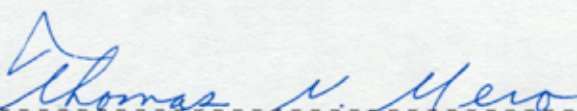
REMARKS: RECOMMENDED ZONING

Use zone(s) identified as: ME128A, ME130, ME131, ME 132,
ME133, ME136 & ME137

Refer to attachments for zoning information.

Note 1: Provided time series data are tabulated in metric units (meters), relative to MLLW and on Greenwich Mean Time.

Note 2: Fort Point (841-4721) would be the preferred tide data set for hydrography at Belfast to Bucksports, Penobscot Bay and River, ME. Unfortunately, the data collected there was declared invalid due to unresolved gauge problems. Data from the primary gauge at Portland, ME (841-8150) has been substituted for the Fort Point gauge data for tide reduction of survey work during the 1998 field season of this project. However, the area of hydrography may have meteorological conditions and river influences from the Penobscot River that are not reflected at the Portland tide gauge. Water level reducers based on zoned data from Portland are considered to be within the accuracy tolerances required for hydrographic survey operations. However, the uncertainty and overall error in the zoning and resulting water level reducers cannot be quantified.



CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION

