

W00507

U.S. Department of Commerce
National Oceanic and Atmospheric Administration
National Ocean Service

DESCRIPTIVE REPORT

Type of Survey: Navigable Area

Registry Number: W00507

LOCALITY

State(s): New Hampshire

General Locality: Coastal New Hampshire

Sub-locality: Approaches to Portsmouth Harbor

2007

CHIEF OF PARTY
UNH JHC CCOM Personnel

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

W00507

INSTRUCTIONS: The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

State(s): **New Hampshire**

General Locality: **Coastal New Hampshire**

Sub-Locality: **Approaches to Portsmouth Harbor**

Scale: **20000**

Dates of Survey: **11/07/2007 to 11/13/2007**

Instructions Dated: **N/A**

Project Number: **ESD-PHB-20**

Field Unit: **University of New Hampshire**

Chief of Party: **UNH JHC CCOM Personnel**

Soundings by: **Teledyne RESON SeaBat 7125 SV (MBES)**

Imagery by: **N/A**

Verification by: **Pacific Hydrographic Branch**

Soundings Acquired in: **meters at Mean Lower Low Water**

Remarks:

Any revisions to the Descriptive Report (DR) applied during office processing are shown in red italic text. The DR is maintained as a field unit product, therefore all information and recommendations within this report are considered preliminary unless otherwise noted. The final disposition of survey data is represented in the NOAA nautical chart products. All pertinent records for this survey are archived at the National Centers for Environmental Information (NCEI) and can be retrieved via <https://www.ncei.noaa.gov/>. Products created during office processing were generated in NAD83 UTM 19N, MLLW. All references to other horizontal or vertical datums in this report are applicable to the processed hydrographic data provided by the field unit.

DESCRIPTIVE REPORT MEMO

July 02, 2020

MEMORANDUM FOR: Pacific Hydrographic Branch

FROM: Report prepared by PHB on behalf of field unit
Kurt Mueller
Physical Scientist, Pacific Hydrographic Branch

SUBJECT: Submission of Survey W00507

W00507 was acquired for research purposes as part of the Shallow Survey 2008 conference which focused on a common dataset collected in the Portsmouth, NH area. The conference organizers selected this particular area for survey, encompassing the outer harbor of Portsmouth which is a highly dynamic area with mixed sand and rock seafloor, rock outcrops and navigationally significant features.

Products created at the Pacific Hydrographic Branch include a collection of processed grids, metadata, and associated reports for archive at NCEI.

All soundings were reduced to Mean Lower Low Water using Discrete Zoning. The horizontal datum for this project is North American Datum of 1983 (NAD 83). The projection used for this project is Universal Transverse Mercator (UTM) Zone 19.

All data were reviewed for DTONs and none were identified in this survey.

The University of New Hampshire Joint Hydrographic Center acquired the data outlined in this report.

This survey does meet charting specifications and is adequate to supersede prior data.

APPROVAL PAGE

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Data meet or exceed current specifications as certified by the OCS survey acceptance review process. Descriptive Report and survey data except where noted are adequate to supersede prior surveys and nautical charts in the common area.

The following products will be sent to NCEI for archive

- Descriptive Report
- Collection of Bathymetric Attributed Grids (BAGs)
- Processed survey data and records
- GeoPDF of survey products

The survey evaluation and verification has been conducted according current OCS Specifications, and the survey has been approved for dissemination and usage of updating NOAA's suite of nautical charts.

Approved: _____

Commander Olivia Hauser, NOAA
Chief, Pacific Hydrographic Branch