

D00203

NOAA Form 76-35A

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

DESCRIPTIVE REPORT

Type of Survey: Response

Registry Number: D00203

LOCALITY

State: California

General Locality: San Francisco Bay

Sub-locality: Yerba Buena Island

2015

CHIEF OF PARTY
Laura Pagano

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

D00203

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: **California**

General Locality: **San Francisco Bay**

Sub-Locality: **Yerba Buena Island**

Scale: **1: 10,000**

Date of Survey: **12/17/2015**

Instructions Dated: **11/24/2015**

Project Number: **S-L933-NRT6-15**

Field Unit: **NRT 6**

Chief of Party: **Laura Pagano**

Soundings by: **Multibeam Echo Sounder**

Imagery by: **N/A**

Verification by: **Pacific Hydrographic Branch**

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

H-Cell Compilation Units: **N/A**

Remarks:

The purpose of this survey was to investigate an encroaching shoal south of the USCG pier at Yerba Buena Island. All separates are filed with the hydrographic data. Any revisions to the Descriptive Report (DR) generated during office processing are shown in bold red italic text. The processing branch maintains the DR as a field unit product, therefore, all information and recommendations within the body of the DR are considered preliminary unless otherwise noted. The final disposition of surveyed features is represented in the OCS nautical chart update products. All pertinent records for this survey, including the DR, are archived at the National Centers for Environmental Information (NCEI) and can be retrieved via <http://www.ncei.noaa.gov/>.



DR MEMO

January 18th, 2016

MEMORANDUM FOR: Chief, Pacific Hydrographic Branch
FROM: Laura Pagano
Team Lead, NRT6
SUBJECT: Submission of Survey D00203

THIS RESPONSE SURVEY IS NOT TO BE CHARTED. This data is for archival purposes only.

The USCG requested a hydrographic survey to investigate an encroaching shoal south of the USCG pier at Yerba Buena Island.

Navigation Response Team 6 (NRT6) conducted the survey on 12/17/2015 (D351). After initial review it was found that very little change has occurred to the depth soundings in this area since the last survey was completed 6 years ago. After conferring with both NRB HQ and the PHB Team Leads, it was decided that this survey be downgraded from a Field Examination to a D-Survey, not to be used for charting purposes.

NRT6 provided paper plots of the area to USCG District 11 that included a Multibeam Base Surface and preliminary depths.

For all survey operations, horizontal control was Real Time Kinematic (RTK) corrections using the California Real Time Network (CRTN), Station P181. Soundings were reduced to Mean Lower Low Water (MLLW) using the VDatum SEP model provided with the project instructions.

Although RTK was the primary source used for VDatum, zoning/final tides were also requested and applied for comparison purposes only. The results between the two sources were very favorable but since the project instructions state that vertical control for this survey be RTK, the HDCS data submitted has the RTK correctors applied instead of discrete zoning.

Please reference Data Acquisition and Processing Report NRT6_DAPR_2014.pdf for a complete description of data acquisition and processing systems, survey vessels, quality control procedures and data processing methods. NRT6 did not create a 2015 DAPR for survey launch S3003 because of expected delivery of a new survey launch. However, delivery of the new survey launch was delayed by several months. It was decided, as discussed with PHB Team Lead, to use 2014 DAPR with survey launch S3003 for this limited field examination.

All data was reviewed for DTONs and none were found.



APPROVAL PAGE

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Survey D00203 was not planned to support a full chart update product. Due to the very small size of survey area and negligible changes between charted data and surveyed data it has been decided that the survey will not be applied to NOAA charting products.

The following products will be sent to NGDC for archive:

- D00203_DR_Memo.pdf
- Processed survey data and records
- D00203_GeoImage.pdf

The survey evaluation and verification has been conducted according to current OCS specifications and procedures.

Approved: _____

Grant Froelich

Hydrographic Team Lead, Pacific Hydrographic Branch

The survey has not been approved for chart updates. The data will be archived at NGDC so that it can be made available for other uses.

Approved: _____

CDR Ben Evans, NOAA

Chief, Pacific Hydrographic Branch