

D00183

NOAA Form 76-35A

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

**DESCRIPTIVE REPORT**

Type of Survey: Investigation

Registry Number: D00183

**LOCALITY**

State: California

General Locality: San Francisco Bay

Sub-locality: San Francisco Bay Anchorage 9

**2013**

CHIEF OF PARTY  
Laura Pagano

LIBRARY & ARCHIVES

Date:

**HYDROGRAPHIC TITLE SHEET**

**D00183**

**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: **San Francisco Bay Anchorage 9**

Scale: **1: 10,000**

Dates of Survey: **05/2/2013 to 07/09/2013**

Instructions Dated: **06/10/2013**

Project Number: **S-L922-NRT6-13**

Field Unit: **Navigation Response Team 6**

Chief of Party: **Laura Pagano**

Soundings by: **Multibeam Echo Sounder**

Imagery by:

Verification by: **Pacific Hydrographic Branch**

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

H-Cell Compilation Units: ***meters at Mean Lower Low Water***

**Remarks:**

*The purpose of this survey is to provide contemporary surveys to update National Ocean Service (NOS) nautical charts. 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 Geophysical Data Center (NGDC) and can be retrieved via <http://www.ngdc.noaa.gov/>.*



UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
**OFFICE OF COAST SURVEY**  
Silver Spring, Maryland 20910-3282

August 28, 2013

**MEMORANDUM FOR:** Chief, Pacific Hydrographic Branch

**FROM:** Ian Colvert  2014.11.17 08:56:48 -08'00'  
Acting Team Lead, Navigation Response Team 6

**SUBJECT:** Submission of Survey D00183

Survey D00183 was conducted by NRT6 in response to repeated anchor foulings by tankers in San Francisco Bay. The survey came at the request of USCG District 11, to provide seafloor imagery of the Anchorage 9 buckets C2, W4, and W5 to assist in evaluating the safety for anchoring commercial, deep draft vessels.

As a result, multiple features were found, reported, and coordinated with USCG and USACE assets for possible removal.

NRT6 provided paper plots and digital media of the area to USCG District 11 that included multibeam bathymetry and preliminary depths.

Soundings were reduced to Mean Lower Low Water (MLLW) using observed tides from tide stations Alameda (9414750), San Francisco (9414290), and the tide zones used were provided by CO-OPS for 2013 projects in the same area (L430NRT62013CORP.zdf).

All survey systems and methods utilized during this survey were as described in the NRT6 2013 DAPR.

All data was reviewed for DTONS and none were found.

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





Meta Data for D00183

Project	S-L922-NRT6-13
Survey	D00183
State/Locality	California/San Francisco Bay
Sub Locality	San Francisco Bay Anchorage 9
Scale of Survey	1:10,000
Sonars Used	Kongsberg EM 3002
Horizontal Datum	North American Datum of 1983 (NAD83)
Vertical Datum	Mean Lower Low Water (MLLW)
Vertical Datum Correction	Verified Observed Tides 9414290/9414750
Projection	NAD83 - UTM Zone 10
Field Unit	NRT6
Survey Dates	5/2/2013 - 7/9/2013
Chief of Party	Laura Pagano
Submission Date	8/28/2013





UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration

Office Notes:

A Tide Note was not requested for this survey. The data has been reviewed and deemed adequate for charting using the verified tides data.



APPROVAL

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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 NGDC for archive

- D00183\_DR.pdf
- Collection of depth varied resolution BAGS
- Processed survey data and records
- D00183\_GeoImage.pdf

The survey evaluation and verification has been conducted according current OCS Specifications.

Approved: \_\_\_\_\_

For: **Pete Holmberg**

Cartographic Team Lead, Pacific Hydrographic Branch

The survey has been approved for dissemination and usage of updating NOAA's suite of nautical charts.

Approved: \_\_\_\_\_

**CDR Benjamin K. Evans, NOAA**

Chief, Pacific Hydrographic Branch