

H12430

NOAA Form 76-35A

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

DESCRIPTIVE REPORT

Type of Survey: Navigable Area

Registry Number: H12430

LOCALITY

State: New York

General Locality: Block Island Sound

Sub-locality: 5 NM South of Block Island

2012

CHIEF OF PARTY
CDR Lawrence T. Krepp

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

H12430

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: **New York**

General Locality: **Block Island Sound**

Sub-Locality: **5 NM South of Block Island**

Scale: **20000**

Dates of Survey: **10/22/2012 to 10/25/2012**

Instructions Dated: **04/11/2012**

Project Number: **OPR-B363-TJ-12**

Field Unit: **NOAA Ship *Thomas Jefferson***

Chief of Party: **CDR Lawrence T. Krepp**

Soundings by: **Multibeam Echo Sounder**

Imagery by: **Multibeam Echo Sounder Backscatter**

Verification by: **Atlantic Hydrographic Branch**

Soundings Acquired in: **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/>.*

Table of Contents

A. Area Surveyed.....	1
A.1 Survey Limits.....	1
A.2 Survey Purpose.....	2
A.3 Survey Quality.....	2
A.4 Survey Coverage.....	2
A.5 Survey Statistics.....	3
A.6 Shoreline.....	4
A.7 Bottom Samples.....	4
B. Data Acquisition and Processing.....	4
B.1 Equipment and Vessels.....	4
B.1.1 Vessels.....	4
B.1.2 Equipment.....	4
B.2 Quality Control.....	5
B.2.1 Crosslines.....	5
B.2.2 Uncertainty.....	5
B.2.3 Junctions.....	5
B.2.4 Sonar QC Checks.....	6
B.2.5 Equipment Effectiveness.....	6
B.2.6 Factors Affecting Soundings.....	6
B.2.7 Sound Speed Methods.....	6
B.2.8 Coverage Equipment and Methods.....	6
B.3 Echo Sounding Corrections.....	6
B.3.1 Corrections to Echo Soundings.....	6
B.3.2 Calibrations.....	6
B.4 Backscatter.....	7
B.5 Data Processing.....	7
B.5.1 Software Updates.....	7
B.5.2 Surfaces.....	7
C. Vertical and Horizontal Control.....	7
C.1 Vertical Control.....	7
C.2 Horizontal Control.....	8
D. Results and Recommendations.....	9
D.1 Chart Comparison.....	9
D.1.1 Raster Charts.....	9
D.1.2 Electronic Navigational Charts.....	10
D.1.3 AWOIS Items.....	10
D.1.4 Charted Features.....	10
D.1.5 Uncharted Features.....	10
D.1.6 Dangers to Navigation.....	10
D.1.7 Shoal and Hazardous Features.....	11
D.1.8 Channels.....	11
D.2 Additional Results.....	11
D.2 Construction and Dredging.....	12

D.2.1 Shoreline.....	11
D.2.2 Prior Surveys.....	11
D.2.3 Aids to Navigation.....	11
D.2.4 Overhead Features.....	11
D.2.5 Submarine Features.....	11
D.2.6 Ferry Routes and Terminals.....	11
D.2.7 Platforms.....	11
D.2.8 Significant Features.....	12
E. Approval Sheet.....	13
F. Table of Acronyms.....	14

List of Tables

Table 1: Survey Limits.....	1
Table 2: Hydrographic Survey Statistics.....	3
Table 3: Dates of Hydrography.....	3
Table 4: Vessels Used.....	4
Table 5: Major Systems Used.....	4
Table 6: Survey Specific Tide TPU Values.....	5
Table 7: Survey Specific Sound Speed TPU Values.....	5
Table 8: Junctioning Surveys.....	5
Table 9: CARIS Surfaces.....	7
Table 10: NWLON Tide Stations.....	8
Table 11: Water Level Files (.tid).....	8
Table 12: USCG DGPS Stations.....	8
Table 13: Largest Scale Raster Charts.....	9
Table 14: Largest Scale ENCs.....	10

List of Figures

Figure 1: H12430 Outline.....	1
Figure 2: H12430 Coverage.....	2
Figure 3: Shoal soundings.....	9

Descriptive Report to Accompany Survey H12430

Project: OPR-B363-TJ-12

Locality: Block Island Sound

Sublocality: 5 NM South of Block Island

Scale: 1:20000

October 2012 - October 2012

NOAA Ship *Thomas Jefferson*

Chief of Party: CDR Lawrence T. Krepp

A. Area Surveyed

NOAA Ship THOMAS JEFFERSON acquire complete MBES over the entire survey area. The entire sheet was surveyed in accordance with the project instructions.

A.1 Survey Limits

Data was acquired within the following survey limits:

Northeast Limit	Southwest Limit
41.0404 N 71.516 W	40.9587 N 71.6642 W

Table 1: Survey Limits

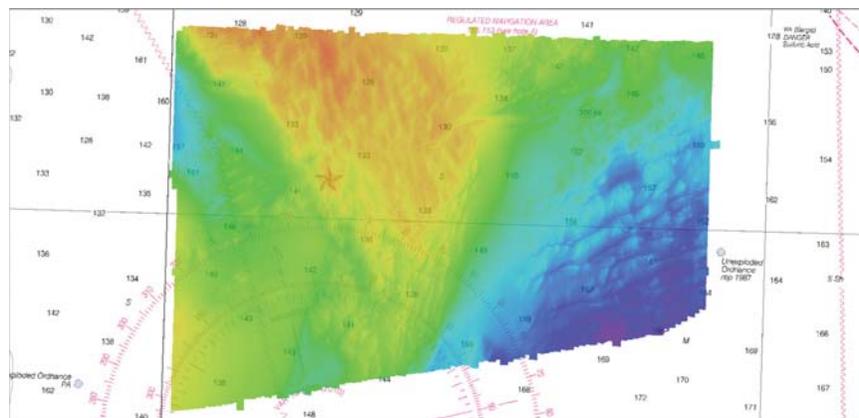


Figure 1: H12430 Outline

Survey Limits were acquired in accordance with the requirements in the Project Instructions and the HSSD.

A.2 Survey Purpose

This project is being conducted in support of NOAA's Office of Coast Survey to provide contemporary hydrographic data in order to update the nautical charting products and reduce the survey backlog within the area. In addition, data from this project will support the Long Island Sound Seafloor Mapping Initiative in New York state. This project also responds, in part, to the concerns raised by the Northeast Marine Pilots for new hydrographic surveys to support deep draft (60') vessels transiting the areas traffic lanes. This project will cover approximately 196 nm² of which 25 nm² are critical survey areas as designated in the NOAA Hydrographic Survey Priorities, 2011 edition.

A.3 Survey Quality

The entire survey is adequate to supersede previous data.

A.4 Survey Coverage

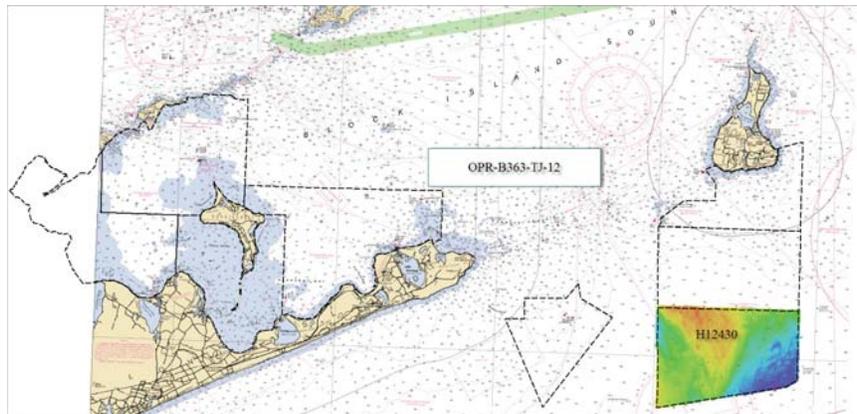


Figure 2: H12430 Coverage

Survey Coverage was in accordance with the requirements in the Project Instructions and the HSSD.

A.5 Survey Statistics

The following table lists the mainscheme and crossline acquisition mileage for this survey:

	HULL ID	S222	Total
LNM	SBES Mainscheme	0	0
	MBES Mainscheme	405.04	405.04
	Lidar Mainscheme	0	0
	SSS Mainscheme	0	0
	SBES/MBES Combo Mainscheme	0	0
	SBES/SSS Combo Mainscheme	0	0
	MBES/SSS Combo Mainscheme	0	0
	SBES/MBES Combo Crosslines	20.56	20.56
	Lidar Crosslines	0	0
	Number of Bottom Samples		
Number of DPs			0
Number of Items Items Investigated by Dive Ops			0
Total Number of SNM			28.90

Table 2: Hydrographic Survey Statistics

The following table lists the specific dates of data acquisition for this survey:

<i>Survey Dates</i>
10/22/2012
10/23/2012
10/24/2012
10/25/2012

Table 3: Dates of Hydrography

A.6 Shoreline

Shoreline was investigated in accordance with the Project Instructions and the HSSD.

A.7 Bottom Samples

One bottom sample was not completed due to time restraints.

B. Data Acquisition and Processing

B.1 Equipment and Vessels

Refer to the Data Acquisition and Processing Report (DAPR) for a complete description of data acquisition and processing systems, survey vessels, quality control procedures and data processing methods. Additional information to supplement sounding and survey data, and any deviations from the DAPR are discussed in the following sections.

B.1.1 Vessels

The following vessels were used for data acquisition during this survey:

Hull ID	S222
LOA	208 feet
Draft	14 feet

Table 4: Vessels Used

B.1.2 Equipment

The following major systems were used for data acquisition during this survey:

Manufacturer	Model	Type
Reson	7125 ROV	MBES
Applanix	POSMV V4	Positioning and Attitude System
Brooke Ocean	MVP100	Sound Speed System

Table 5: Major Systems Used

B.2 Quality Control

B.2.1 Crosslines

For this survey, the crossline comparison was conducted by creating two surfaces, one for mainscheme lines and one for crosslines. To create the crossline surface, a copy of the crossline HDCS data was filtered to include only those soundings within 10 degrees of nadir. After the surfaces were created, a difference surface was created using the two surfaces. The statistics of the difference surface were then computed. The mean difference between the mainscheme and crosslines was 2.6 cm with a standard deviation of 8.3 cm. The average depth was 44 m and this difference reflects an average difference of 0.05% of the depth.

B.2.2 Uncertainty

The following survey specific parameters were used for this survey:

Measured	Zoning
0.0meters	0.10meters

Table 6: Survey Specific Tide TPU Values

Hull ID	Measured - CTD	Measured - MVP	Surface
S-222	0meters/second	1meters/second	0.2meters/second

Table 7: Survey Specific Sound Speed TPU Values

An analysis of the uncertainty was conducted using the IHOness layer as described in the Field Procedures Manual 2012. This layer indicated that all cells met IHO Order 1 for this survey.

B.2.3 Junctions

The following junctions were made with this survey:

Registry Number	Scale	Year	Field Unit	Relative Location
H12386	1:20000	2011	NOAA Ship THOMAS JEFFERSON	W

Table 8: Junctioning Surveys

H12386

A difference surface was generated withing CARIS BathyDataBASE. The mean difference between the two surveys was 5.2cm with a standard deviation of 10.2cm.

B.2.4 Sonar QC Checks

Sonar system quality control checks were conducted as detailed in the quality control section of the DAPR.

B.2.5 Equipment Effectiveness

B.2.5.1 None Exist

There were no conditions or deficiencies that affected equipment operational effectiveness.

B.2.6 Factors Affecting Soundings

B.2.6.1 None Exist

There were no other factors that affected corrections to soundings.

B.2.7 Sound Speed Methods

Sound Speed Cast Frequency: MVP Casts were taken approximately every 30 minutes. The only difference with this was the first several hours of the survey. During this time, the seas were too rough to keep the MVP continuously deployed. Casts were done every two hours during this time.

B.2.8 Coverage Equipment and Methods

All equipment and survey methods were used as detailed in the DAPR.

B.3 Echo Sounding Corrections

B.3.1 Corrections to Echo Soundings

All data reduction procedures conform to those detailed in the DAPR.

B.3.2 Calibrations

All sounding systems were calibrated as detailed in the DAPR.

B.4 Backscatter

Backscatter was logged as a 7k file and submitted to the IOCM processing center and/or directly to NGDC, and is not included with the data submitted to the Branch.

B.5 Data Processing

B.5.1 Software Updates

There were no software configuration changes after the DAPR was submitted.

The following Feature Object Catalog was used: NOAA Profile Field v. 5.2

B.5.2 Surfaces

The following CARIS surfaces were submitted to the Processing Branch:

Surface Name	Surface Type	Resolution	Depth Range	Surface Parameter	Purpose
H12430_4m_Cube_Zoned_Final	CUBE	4 meters	35.36 meters - 53.09 meters	NOAA_4m	Complete MBES

Table 9: CARIS Surfaces

C. Vertical and Horizontal Control

Additional information discussing the vertical or horizontal control for this survey can be found in the accompanying HVCR.

C.1 Vertical Control

The vertical datum for this project is Mean Lower Low Water.

Standard Vertical Control Methods Used:

Discrete Zoning

The following National Water Level Observation Network (NWLON) stations served as datum control for this survey:

Station Name	Station ID
Newport, RI	8452660

Table 10: NWLON Tide Stations

File Name	Status
B363TJ2012CORP.zdf	Final Approved

Table 11: Water Level Files (.tid)

There was no Tide Corrector file associated with this survey.

A request for final approved tides was sent to N/OPS1 on 10/25/2012. The final tide note was received on 11/06/2012.

C.2 Horizontal Control

The horizontal datum for this project is North American Datum of 1983 (NAD83).

The following DGPS Stations were used for horizontal control:

DGPS Stations
Acushnet, ME

Table 12: USCG DGPS Stations

D. Results and Recommendations

D.1 Chart Comparison

D.1.1 Raster Charts

The following are the largest scale raster charts, which cover the survey area:

Chart	Scale	Edition	Edition Date	LNM Date	NM Date
13215	1:40000	20	02/2011	02/19/2013	02/23/2013
13205	1:80000	39	12/2010	02/19/2013	02/23/2013

Table 13: Largest Scale Raster Charts

13215

In general, soundings agree within 4 feet.

13205

In general, soundings agree within 5 feet. There is one area of shoaler soundings with soundings shoaler than charted depths by 4ft (Figure 3).

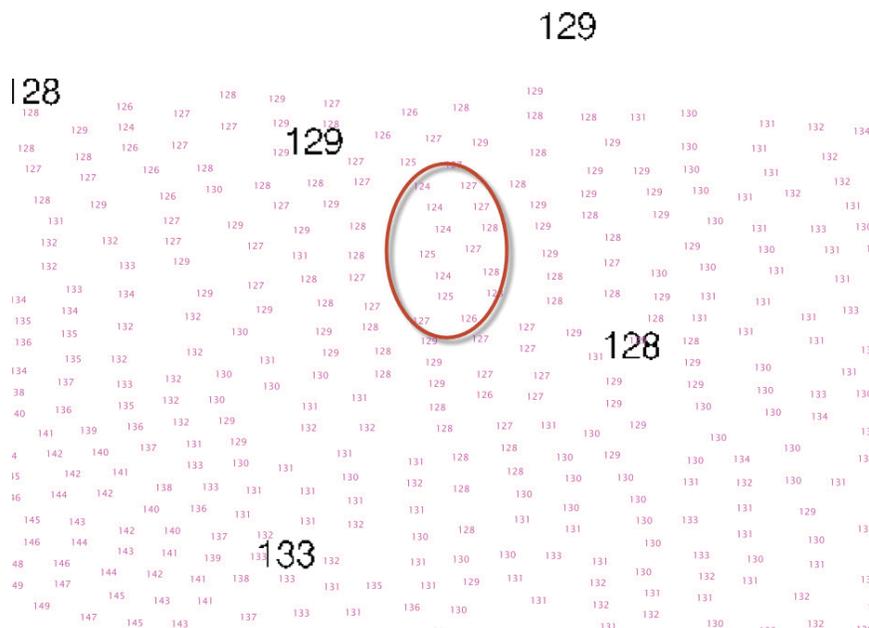


Figure 3: Shoal soundings

D.1.2 Electronic Navigational Charts

The following are the largest scale ENC's, which cover the survey area:

ENC	Scale	Edition	Update Application Date	Issue Date	Preliminary?
US5RI10M	1:40000	7	01/16/2013	01/16/2013	NO
US4CN22M	1:80000	7	08/16/2012	01/25/2013	NO

Table 14: Largest Scale ENC's

US5RI10M

In general, soundings agree within 4 feet.

US4CN22M

In general, soundings agree within 5 feet. There is one area of shoaler soundings with soundings shoaler than charted depths by 4ft (Figure 3).

D.1.3 AWOIS Items

Number of AWOIS Items Addressed: 1

Number of AWOIS Items Not Addressed: 0

One AWOIS item, the USS Bass was included as an investigation. The item was found.

D.1.4 Charted Features

No charted features exist for this survey.

D.1.5 Uncharted Features

No uncharted features exist for this survey.

D.1.6 Dangers to Navigation

No Danger to Navigation Reports were submitted for this survey.

D.1.7 Shoal and Hazardous Features

No shoals or potentially hazardous features exist for this survey.

D.1.8 Channels

No channels exist for this survey. There are no designated anchorages, precautionary areas, safety fairways, traffic separation schemes, pilot boarding areas, or channel and range lines within the survey limits.

D.2 Additional Results

D.2.1 Shoreline

Shoreline was not assigned in the Hydrographic Survey Project Instructions or Statement of Work.

D.2.2 Prior Surveys

No prior survey comparisons exist for this survey.

D.2.3 Aids to Navigation

Aids to navigation (ATONs) do not exist for this survey.

D.2.4 Overhead Features

Overhead features do not exist for this survey.

D.2.5 Submarine Features

Submarine features do not exist for this survey.

D.2.6 Ferry Routes and Terminals

No ferry routes or terminals exist for this survey.

D.2.7 Platforms

No platforms exist for this survey.

D.2.8 Significant Features

No significant features exist for this survey.

D.2 Construction and Dredging

There is no present or planned construction or dredging within the survey limits.

E. Approval Sheet

As Chief of Party, Field operations for this hydrographic survey were conducted under my direct supervision, with frequent personal checks of progress and adequacy. I have reviewed the attached survey data and reports.

All field sheets, this Descriptive Report, and all accompanying records and data are approved. All records are forwarded for final review and processing to the Processing Branch.

The survey data meets or exceeds requirements as set forth in the NOS Hydrographic Surveys and Specifications Deliverables Manual, Field Procedures Manual, Standing and Letter Instructions, and all HSD Technical Directives. These data are adequate to supersede charted data in their common areas. This survey is complete and no additional work is required with the exception of deficiencies noted in the Descriptive Report.

Approver Name	Approver Title	Approval Date	Signature
LT William G. Winner	Field Operations Officer	02/27/2013	
CDR Lawrence T. Krepp	Commanding Officer	02/27/2013	

F. Table of Acronyms

Acronym	Definition
AFF	Assigned Features File
AHB	Atlantic Hydrographic Branch
AST	Assistant Survey Technician
ATON	Aid to Navigation
AWOIS	Automated Wreck and Obstruction Information System
BAG	Bathymetric Attributed Grid
BASE	Bathymetry Associated with Statistical Error
CO	Commanding Officer
CO-OPS	Center for Operational Products and Services
CORS	Continually Operating Reference Station
CTD	Conductivity Temperature Depth
CEF	Chart Evaluation File
CSF	Composite Source File
CST	Chief Survey Technician
CUBE	Combined Uncertainty and Bathymetry Estimator
DAPR	Data Acquisition and Processing Report
DGPS	Differential Global Positioning System
DP	Detached Position
DR	Descriptive Report
DTON	Danger to Navigation
ENC	Electronic Navigational Chart
ERS	Ellipsoidal Referenced Survey
ERZT	Ellipsoidally Referenced Zoned Tides
FOO	Field Operations Officer
FPM	Field Procedures Manual
GAMS	GPS Azimuth Measurement Subsystem
GC	Geographic Cell
GPS	Global Positioning System
HIPS	Hydrographic Information Processing System
HSD	Hydrographic Surveys Division
HSSDM	Hydrographic Survey Specifications and Deliverables Manual

Acronym	Definition
HSTP	Hydrographic Systems Technology Programs
HSX	Hypack Hysweep File Format
HTD	Hydrographic Surveys Technical Directive
HVCR	Horizontal and Vertical Control Report
HVF	HIPS Vessel File
IHO	International Hydrographic Organization
IMU	Inertial Motion Unit
ITRF	International Terrestrial Reference Frame
LNM	Local Notice to Mariners
LNM	Linear Nautical Miles
MCD	Marine Chart Division
MHW	Mean High Water
MLLW	Mean Lower Low Water
NAD 83	North American Datum of 1983
NAIP	National Agriculture and Imagery Program
NALL	Navigable Area Limit Line
NM	Notice to Mariners
NMEA	National Marine Electronics Association
NOAA	National Oceanic and Atmospheric Administration
NOS	National Ocean Service
NRT	Navigation Response Team
NSD	Navigation Services Division
OCS	Office of Coast Survey
OMAO	Office of Marine and Aviation Operations (NOAA)
OPS	Operations Branch
MBES	Multibeam Echosounder
NWLON	National Water Level Observation Network
PDBS	Phase Differencing Bathymetric Sonar
PHB	Pacific Hydrographic Branch
POS/MV	Position and Orientation System for Marine Vessels
PPK	Post Processed Kinematic
PPP	Precise Point Positioning
PPS	Pulse per second

Acronym	Definition
PRF	Project Reference File
PS	Physical Scientist
PST	Physical Science Technician
RNC	Raster Navigational Chart
RTK	Real Time Kinematic
SBES	Singlebeam Echosounder
SBET	Smooth Best Estimate and Trajectory
SNM	Square Nautical Miles
SSS	Side Scan Sonar
ST	Survey Technician
SVP	Sound Velocity Profiler
TCARI	Tidal Constituent And Residual Interpolation
TPU	Total Propagated Error
TPU	Topside Processing Unit
USACE	United States Army Corps of Engineers
USCG	United States Coast Guard
UTM	Universal Transverse Mercator
XO	Executive Officer
ZDA	Global Positioning System timing message
ZDF	Zone Definition File

APPENDIX I
TIDES AND WATER LEVELS



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Ocean Service
Silver Spring, Maryland 20910

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE : November 1, 2012

HYDROGRAPHIC BRANCH: Atlantic
HYDROGRAPHIC PROJECT: OPR-B363-TJ-2012
HYDROGRAPHIC SHEET: H12430

LOCALITY: 5 NM South of Block Island, Block Island Sound
TIME PERIOD: October 22 - October 25, 2012

TIDE STATION USED: 8452660 Newport, RI
Lat. 41° 30.3'N Long. 71° 19.6' W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 1.099 meters

REMARKS: RECOMMENDED ZONING

Preliminary zoning is accepted as the final zoning for project OPR-B363-TJ-2012, H12430, during the time period between October 22 and October 25, 2012.

Please use the zoning file "B363TJ2012CORP" submitted with the project instructions for OPR-B363-TJ-2012. Zones NA630, NA643, and NA644 are the applicable zones for H12430.

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 on the 1983-2001 National Tidal Datum Epoch (NTDE).

HOVIS.GERALD.
THOMAS.13658
60250

Digitally signed by
HOVIS.GERALD.THOMAS.1365860250
DN: c=US, o=U.S. Government,
ou=DoD, ou=PKI, ou=OTHER,
cn=HOVIS.GERALD.THOMAS.1365860
250
Date: 2012.11.02 15:19:02 -04'00'

CHIEF, OCEANOGRAPHIC DIVISION





UNITED STATES COAST GUARD
RHODE ISLAND, CONNECTICUT, NEW YORK

BLOCK ISLAND SOUND
AND APPROACHES

8452660 NEWPORT, NARRAGANSETT BAY

Preliminary as Final Tidal Zoning

for OPR-B363-TJ-2012, H12430

5NM South of Block Island, Block Island Sound

13205

13205

NA630

Time Corrector -12 mins

Range Corrector x 0.87

Reference 8452660

NA643

Time Corrector -12 mins

Range Corrector x 0.84

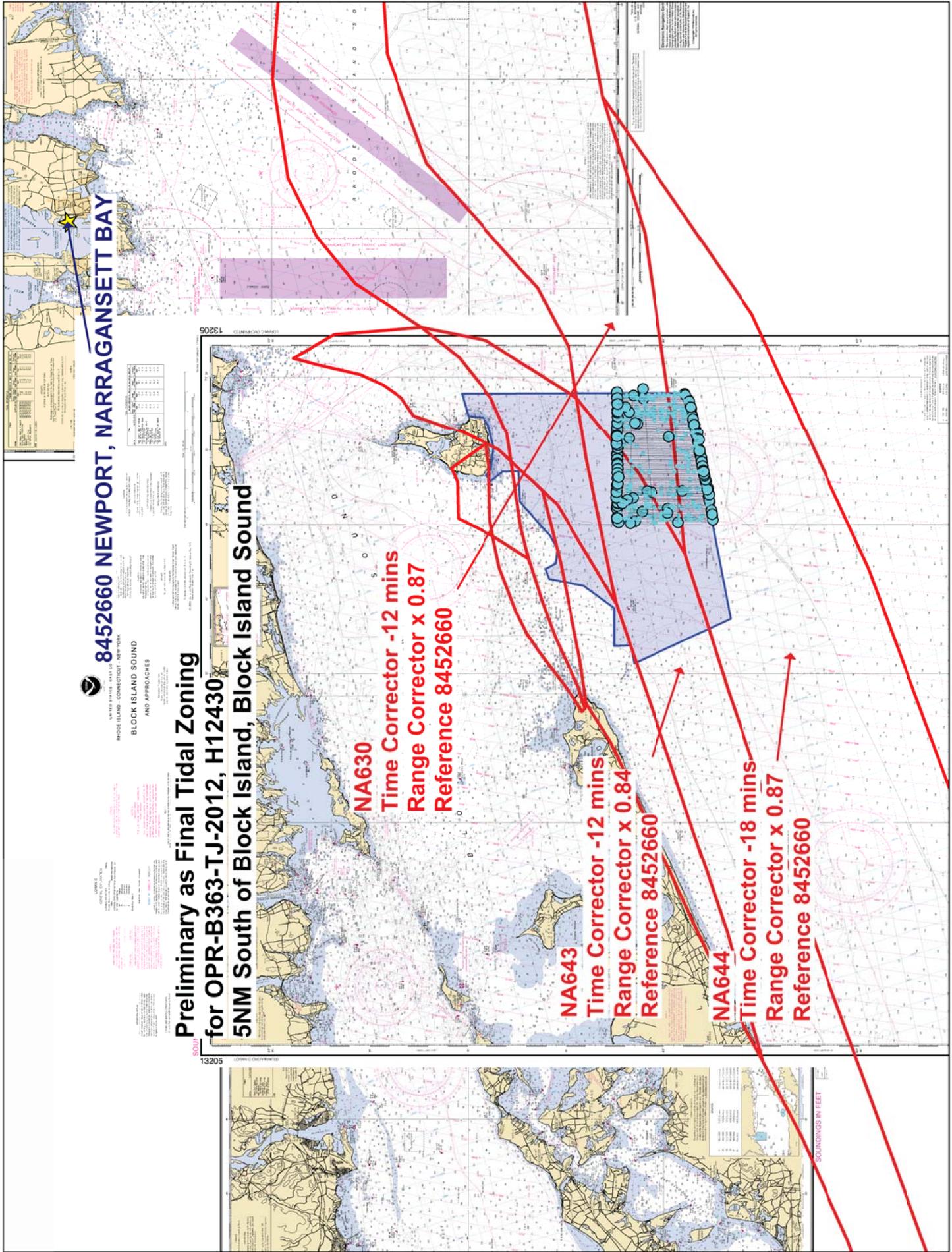
Reference 8452660

NA644

Time Corrector -18 mins

Range Corrector x 0.87

Reference 8452660



APPENDIX II
SUPPLEMENTAL SURVEY RECORDS AND
CORRESPONDENCE



Marilyn Schluter - NOAA Federal <marilyn.l.schluter@noaa.gov>

NOAA Hydrographic Surveys H12415, H12430, H12437, H12438

4 messages

Marilyn Schluter - NOAA Federal <marilyn.l.schluter@noaa.gov>

Thu, Mar 21, 2013 at 3:57 PM

To: ruth.pierpont@oprhp.state.ny.us, Christina Rieth <crieth@mail.nysed.gov>

Cc: bruce.terrell@noaa.gov, Marc.S.Moser@noaa.gov, Todd.A.Haupt@noaa.gov, frank.cantelas@noaa.gov,

Abigail.Higgins@noaa.gov, Castle.E.Parker@noaa.gov, marilyn.l.schluter@noaa.gov, Brian.Jordan@boemre.gov, Lawrence Krepp - NOAA Federal <Lawrence.T.Krepp@noaa.gov>

Dear Sir/Madam,

The National Oceanic and Atmospheric Administration's Office of Coast Survey (OCS) may have previously contacted you regarding hydrographic surveys in **Block Island Sound** and **Long Island Sound, NY**. These surveys have been completed. The complete Descriptive Reports for these surveys are available for your review on NOAA's public ftp web site. Please provide any comments regarding these surveys (please reference the survey numbers **H12415, H12430, H12437, H12438**) within 30 days to:

LT Abigail Higgins

Chief, Atlantic Hydrographic Branch

Work: [757-441-6746](tel:757-441-6746) Ext.200

Fax: [757-441-6601](tel:757-441-6601)

E-Mail: Abigail.Higgins@noaa.gov

439 W. York St.

Norfolk, VA 23510

If we have not received a response in 30 days, we will assume that these surveys do not include any data of sufficient historical significance (for instance, an historic shipwreck whose location should not be made public knowledge) to warrant special data handling, and will forward this data for our standard nautical charting process.

You will need to have Winzip compression utility installed on your computer to access these files. The following link

<http://www.winzip.com/downwz.htm> will take you to the Winzip free evaluation site where you can register for Winzip and access the files.

To access this information follow this link <ftp://205.156.4.84/4SHPO> to NOAA's public ftp web site and select the aforementioned surveys (**H12415, H12430, H12437, H12438**).

The "Key" for these surveys (i.e. to remove the encryption from the .zip files) is:
B340_NY_4617

Regards,

Marilyn Schlüter, Data Manager
NOAA/Atlantic Hydrographic Branch
[757-441-6746](tel:757-441-6746) Ext.113
439 W. York St.
Norfolk, VA 23510

Abigail Higgins - NOAA Federal <abigail.higgins@noaa.gov>
To: Marilyn Schluter - NOAA Federal <marilyn.l.schluter@noaa.gov>

Thu, Mar 21, 2013 at 3:58 PM

Thank you! :)
[Quoted text hidden]
--

LT Abigail Higgins, NOAA
Chief, Atlantic Hydrographic Branch
439 W York Street
Norfolk, VA 23510
[757-441-6746](tel:757-441-6746) x200

Christina Rieth <CRIETH@mail.nysed.gov>
To: Marilyn Schluter - NOAA Federal <marilyn.l.schluter@noaa.gov>

Mon, Mar 25, 2013 at 7:57 AM

Dear Ms. Schluter,

Thank you for the opportunity to review these reports. At this time, the New York State Museum has reviewed the reports under Section 233 of NYS Education Law and has no concerns. Thank you again for allowing us the opportunity to comment.

Sincerely,

Christina Rieth
New York State Museum

Christina B. Rieth, Ph.D.
State Archaeologist and Director,
Cultural Resource Survey Program
New York State Museum
Cultural Education Center 3122
Albany, New York 12230
Phone: [\(518\)402-5975](tel:5184025975), Fax: [\(518\)486-2149](tel:5184862149)
Email: crieth@mail.nysed.gov
http://www.nysm.nysed.gov/research_collections/

>>> Marilyn Schluter - NOAA Federal <marilyn.l.schluter@noaa.gov> 3/21/2013 3:57 PM >>>
[Quoted text hidden]

Marilyn Schluter - NOAA Federal <marilyn.l.schluter@noaa.gov>
To: Christina Rieth <CRIETH@mail.nysed.gov>

Mon, Mar 25, 2013 at 8:59 AM

Thank you, Ms. Rieth, for responding to these requests so quickly. I wish I could send them all at once, but I generally have to send them as they come in, so there will probably be more. Thanks again for your help and patience.

Marilyn
[Quoted text hidden]

APPENDIX III FEATURE

REPORT DtoN – none

AWOIS – one

Wrecks – See AWOIS section

Maritime Boundary - none

H12430 AWOIS

Registry Number: H12430
State: New York
Locality: Block Island Sound
Sub-locality: 5 NM South of Block Island Sound
Project Number: OPR-B363-TJ-12
Survey Date: 10/22/2012 - 10/25/2012

Charts Affected

Number	Edition	Date	Scale (RNC)	RNC Correction(s)*
13215	18th	08/01/2004	1:40,000 (13215_1)	[L]NTM: ?
13205	38th	02/01/2007	1:80,000 (13205_1)	[L]NTM: ?
12300	47th	05/01/2008	1:400,000 (12300_1)	[L]NTM: ?
13006	34th	05/01/2007	1:675,000 (13006_1)	[L]NTM: ?
5161	13th	10/01/2003	1:1,058,400 (5161_1)	[L]NTM: ?
13003	49th	04/01/2007	1:1,200,000 (13003_1)	[L]NTM: ?

* Correction(s) - source: last correction applied (last correction reviewed--"cleared date")

Features

No.	Name	Feature Type	Survey Depth	Survey Latitude	Survey Longitude	AWOIS Item
1.1	USS BASS	AWOIS	[no data]	[no data]	[no data]	---

1 - AWOIS

1.1) AWOIS #1767 - USS BASS

No Primary Survey Feature for this AWOIS Item

Search Position: 41° 01' 26.2" N, 071° 33' 04.9" W
Historical Depth: 30.50 m
Search Radius: 700
Search Technique: SSS, MB
Technique Notes: [None]

History Notes:

SURVEY REQUIREMENT COMMENTS

CONDUCT SEARCH AROUND LORAN RATES RATHER THAN GEOGRAPHIC POSITION. IF FOUND, ACQUIRE LEAST DEPTH AND ACCURATE POSITION.

HISTORY

NM13/45-- A HULK HAS BEEN SUNK 8 MILES 178 DEGREES 30 MINUTES FROM BLOCK ISLAND SOUTHEAST LIGHT. (ENTERED MSM 3/89)

FE364SS/91--OPR-B660-RU; WRECKED SUB LOCATED BY SSS AND FOUND TO HAVE A LEAST DEPTH OF 30.5M IN POS. LAT.41-01-26.18N, LONG.71-33-04.87W (NAD 83). THE SUB SEEMS TO BE RESTINNG UPRIGHT ON THE BOTTOM; SIDE SCAN IMAGES DO INDICATE AN UPRIGHT STRUCTURE EXTENDING ABOVE THE SAIL OF THE VESSEL. (UPDATED 9/93 MCR)

DESCRIPTION

24 NO. 556; SUBMARINE, MARINE CASUALTY, POS. 41-01-09N, 71-32-48W, 120 FT. LD.

**** LORAN C RATES PROVIDED BY MR. RICHARD TARACKA, GREENWICH, CT. POLICE DEPARTMENT, TEL. NO. 203-622-8007; 9960-W 14560.0, 9960-Y 43817.4. (ENTERED MSM 3/89)

Survey Summary

Charts Affected: 13215_1, 13205_1, 12300_1, 13006_1, 5161_1, 13003_1

Remarks:

[None]

Feature Correlation

Source	Feature	Range	Azimuth	Status
AWOIS_EXPORT	AWOIS # 1767	0.00	000.0	Primary

Hydrographer Recommendations

[None]

S-57 Data

[None]

Office Notes

SAR Note: The wreck of the USS BASS was located using complete MBES. The feature has been verified as surveyed.

COMPILE: Chart AWOIS 1767, 116 ft wreck, at survey position.

Feature Images

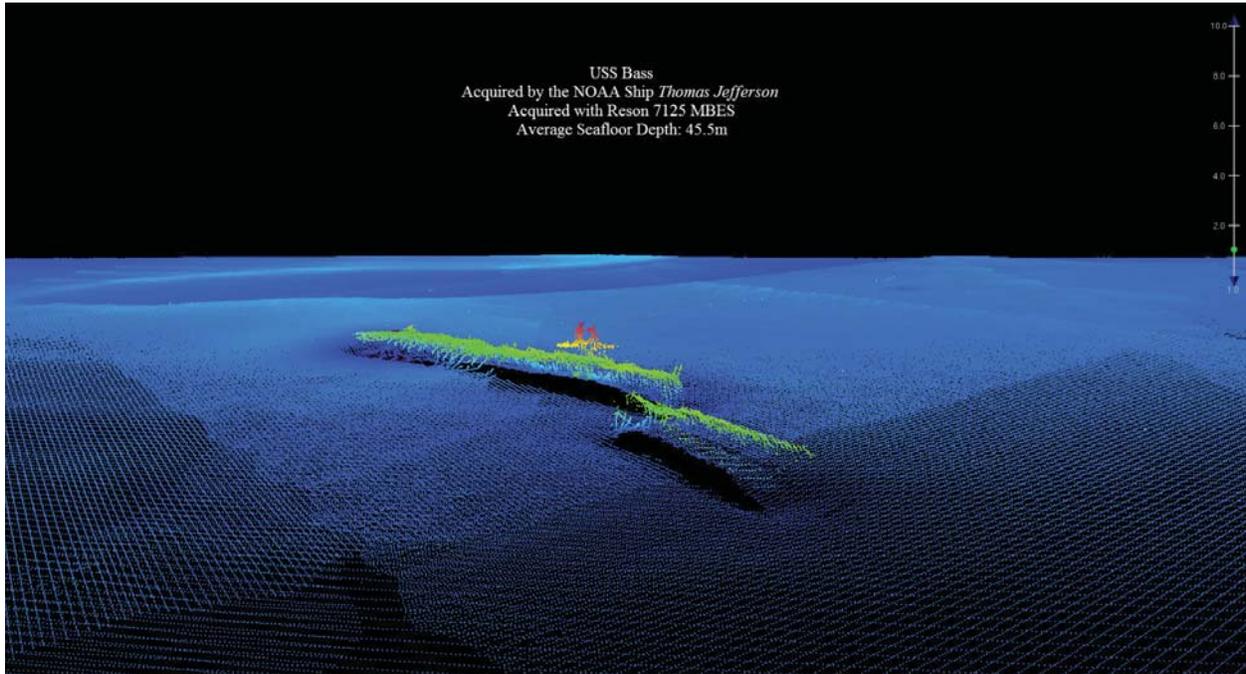


Figure 1.1.1

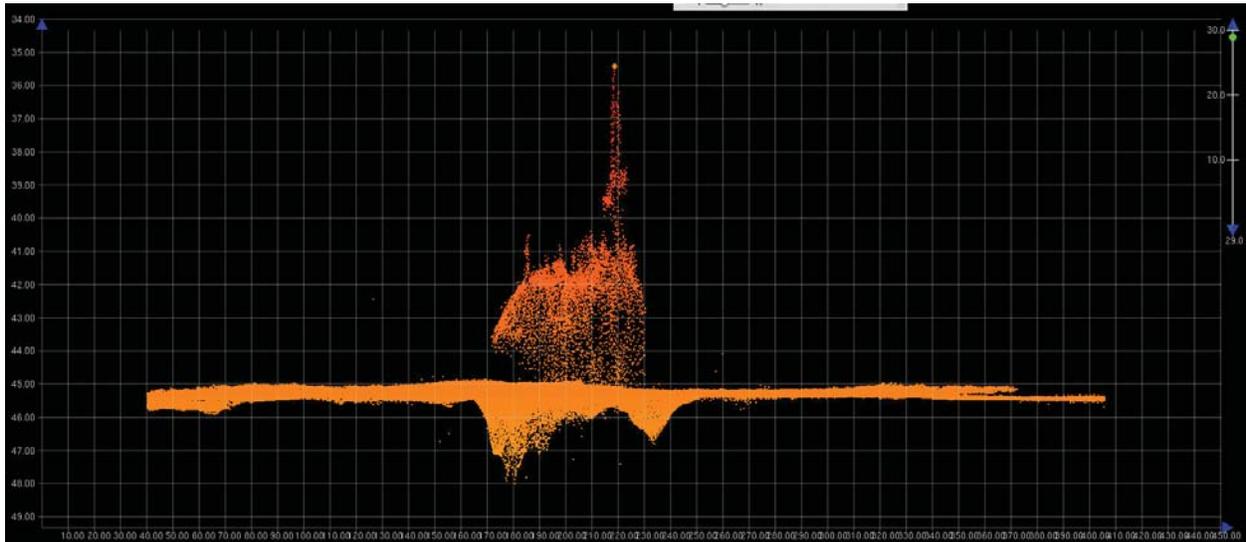


Figure 1.1.2

APPROVAL PAGE

H12430

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

- H12430_DR.pdf
- Collection of depth varied resolution BAGS
- Processed survey data and records
- H12430_GeoImage.pdf

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: _____

LT Abigail Higgins, NOAA
Chief, Atlantic Hydrographic Branch