

NOAA FORM 76-35A

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

DESCRIPTIVE REPORT

Type of Survey Field Examination

Field No.

Registry No. F00498

LOCALITY

State RHODE ISLAND

General Locality BUZZARDS BAY and RHODE ISLAND SOUND

Sublocality 1 NM SE of Beavertail Point

2004

CHIEF OF PARTY

LT Todd A. Haupt, NOAA

LIBRARY & ARCHIVES

DATE

HYDROGRAPHIC TITLE SHEET

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

FIELD No.

State RHODE ISLANDGeneral Locality BUZZARDS BAY and RHODE ISLAND SOUNDSub-Locality 1 NM SE of Beavertail PointScale 1:10000 Date of Survey 22 July 2004Instructions dated July 19, 2004 Project No. S-B912-RU-04Vessel NOAA Ship RUDE 5590Chief of Party LT Todd A. Haupt, NOAASurveyed by LI Haupt LI Zorn, ENS Edmundson, ENS Blankenship, ~~SI Kitt~~ SI StephensSoundings by echo sounder, hand lead, pole CIDCM Echotac, MKIV MBES, Eson SeaBat S111, SWMBGraphic record scaled by RUDE PersonnelGraphic record checked by RUDE Personnel Automated Plot N/AVerification by Atlantic Hydrographic BranchSoundings in fathoms feet at MLW MLLW feet at MLLWREMARKS: All times in UTCAll soundings corrected with verified tidesMap Projection is UTM zone 19

ITEM INVESTIGATED

AWOIS Item #7445 was an addition to project S-B912 and was to be included as an item with one of the survey sheets of the area. In July 2004 it was upgraded to a Field Examination Survey (F00498). It was decided in the field to include the item with the Descriptive Report for H11321 in Appendix VI with its own unique report. This descriptive report covers the item thoroughly and deems its resolution.

AREA COVERED

AWOIS Item #7445 was covered by 200% Multibeam soundings, the 2nd 100% orthogonal to the 1st. A chartlet showing the coverage may be found on the following page. Separate layers of coverage may be found digitally in the following path:

...\Sheet D\Descriptive Report\Appendices\Appendix VI\F00498\Plots\DTM\

F00498.WOR

Soundings, contact plot, and Sound Velocity PDF file are in the PSS which may be found digitally in the following path:

...\Sheet D\Descriptive Report\Appendices\Appendix VI\F00498\PSS\

F00498_DR.pss SVP.pdf

A copy of Request for Smooth Tides resides in the following folder:

...\Sheet D\Descriptive Report\Appendices\Appendix VI\F00498\Tides\

F00498_Smooth_Tides.pdf

Final Soundings with verified tides applied are located:

...\Sheet D\Descriptive Report\Appendices\Appendix VI\F00498\Plots\Sounding\

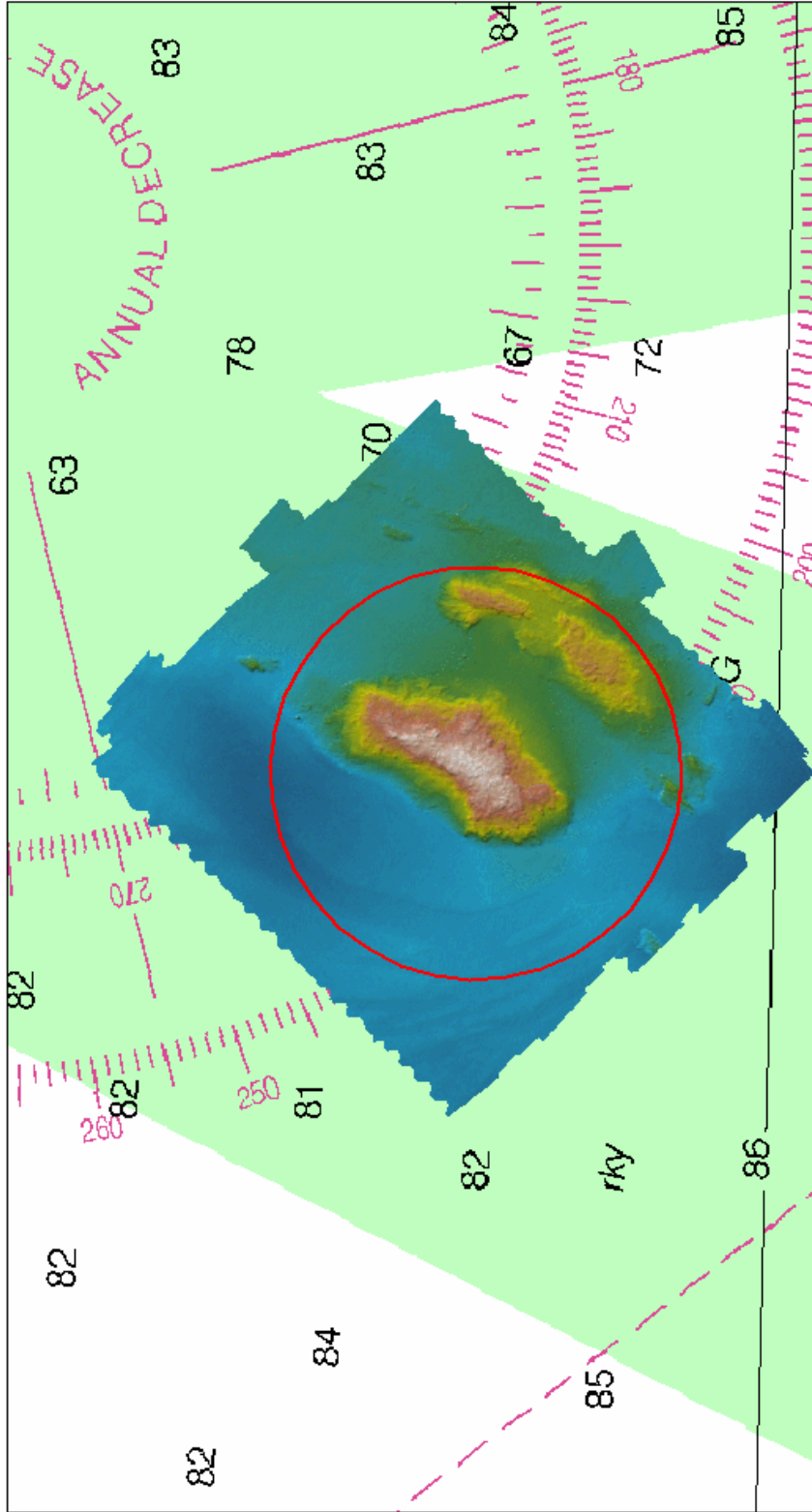
F00498_Sounding.WOR

And the computer-generated survey outline may be found in the following folder:

...\Sheet D\Descriptive Report\Appendices\Appendix VI\F00498\Plots\Survey Outline\


F00498_surveyoutline.WOR

CHART 13223



This chartlet has been corrected through
 Notice to Mariners dated Jan 24, 2004
 NOT FOR NAVIGATION.

Chartlet 1 of 1 200% Multibeam Coverage of AWO/S #7445

	<p>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SERVICE</p>	<p>Project: S-8912- RU Survey: F00498 State: Rhode Island Locality: Buzzards Bay/Rhode Island Sound Sub-locality: 1 NM SE of Beavertail Point Survey Scale: 1:10,000</p>	<p>Sounding Units: Meters Sounding Datum: MLLW Horizontal Datum: NAD 83 Projection: UTM 19 Central Meridian: 069° 00 00 Scale Factor: 0.9996</p>	<p>NOAA Ship RUDE LT Todd Haupt, NOAA Commanding July 22 to July 22, 2004</p>
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DESCRIPTION of AWOIS #7445

HISTORY

H8315/56--54 FT SOUNDING FOUND IN LAT 41-26-14.4N, LONG 71-23-15W. CL125/60--CGS; REPORT OF A TELEPHONE REPORT FROM MR. BOB FREDERICKSON OF THE PROVIDENCE JOURNAL, PROVIDENCE, RHODE ISLAND REGARDING AN UNDERWATER TOWER; MR. JACKSON JENKS, A SKIN DIVER, CLAIMS TO HAVE SIGHTED A SUBMERGED TOWER ON THE 55 FT. SHOAL HALFWAY ON A DIRECT LINE BETWEEN BEAVERTAIL POINT AND BRENTON REEF LIGHTSHIP; TOWER IS CONICAL IN SHAPE, 40 - 50 FT. ACROSS THE TOP AND 50 - 60 FT. HIGH AND ABOUT 40 FT. BELOW THE SURFACE; IT IS COMPOSED OF LARGE QUARRIED BLOCKS THE SIZE OF A DESK AND HAS A LARGE INDENTATION ON TOP WHICH COULD BE AN ENTRANCE; MR. FREDERICKSON ALSO KNEW OF FISHERMEN WHO HAD TIED UP TO THE TOWER AND A NAVY UNDERWATER MISSILE EXPERT WHO ALSO HAD KNOWLEDGE OF THIS STRUCTURE.

FE368SS/92--OPR-B660-RU; DEVELOPMENT OF THE ITEM SHOWED A SHOAL RIDGE WITH A LEAST DEPTH OF 54FT (16.6) IN POS. LAT.41-26-11.60N, LONG.71-23-15.06W (NAD 83). NO DIVER INVESTIGATION. (UPDATED 2/94 MCR)

NM46/03 (11/15/03)-- CHART 13223, 36TH EDITION, 11/03/01; SUBSTITUTE DEPTH 40 FEET OBSTN FOR 54 FEET IN LAT. 41-26-11.6N, LONG. 71/23/15.1W. (UP 7/8/04, SJV)

INVESTIGATION RESULTS

RUDE found no evidence of a 40-ft sounding or obstruction within the 250-meter radius assigned. Indeed, the least depth finding of 54-feet (with verified tides) matches the depth on the previous edition of chart 13223. The hydrographer recommends removing the charted ~~non~~-dangerous 40 ft Obstn, updating chart 13223 with the current soundings, and updating the AWOIS Item #7445 history in the database. *Concur, with conditions. The charted obstruction is dangerous. Remove charted dangerous 40 ft obstruction and update the charts affected with current survey soundings.*

APPROVAL SHEET

**S-B912-RU
Buzzards Bay and Rhode Island Sound
Rhode Island**


**1 NM Southeast of Beavertail Point
Survey Registry No. F00498**

Field operations for this field examination survey were conducted under my supervision with frequent checks of progress and adequacy. All field sheets, this Item Investigation Report, and all accompanying records and data are approved.

This survey is adequate to supersede all prior surveys in common areas and for application to the relevant NOS nautical charts.


Respectfully,

Submitted:



Wesley G. Kitt
Senior Survey Technician, NOAA Ship RUDE

Approved:



LT Todd A. Haupt, NOAA
Commanding Officer, NOAA Ship RUDE



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Silver Spring, Maryland 20910

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: February 28, 2005

HYDROGRAPHIC BRANCH: Atlantic
HYDROGRAPHIC PROJECT: S-B912-RU-2004
HYDROGRAPHIC SHEET: F00498

LOCALITY: 1 NM SE of Beavertail Point, RI

TIME PERIOD: July 22, 2004

TIDE STATION USED: 845-2660 Newport, RI
Lat. $41^{\circ} 30.3'N$ Lon. $71^{\circ} 19.6'W$

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

REMARKS: RECOMMENDED ZONING
Use zone(s) identified as: NA620

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 new 1983-2001 National Tidal Datum Epoch (NTDE).

Thomas V. New 3/8/05

CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION



Printed on Recycled Paper



LETTER TRANSMITTING DATA

DATA AS LISTED BELOW WERE FORWARDED TO YOU
BY (Check)

- ORDINARY MAIL
- REGISTERED MAIL
- GBL (Give number) _____
- AIR MAIL
- EXPRESS

TO:

•
 CHIEF, DATA ACQUISITION AND CONTROL
 NOAA, NOS, OCS, HSD
 1315 EAST-WEST HIGHWAY
 SSMC3, STATION 6704,
 • SILVER SPRING, MARYLAND 20910-3282

DATE FORWARDED 08/10/2005

NUMBER OF PACKAGES 1

NOTE: A separate transmittal letter is to be used for each type of data, as tidal data, seismology, geomagnetism, etc. State the number of packages and include an executed copy of the transmittal letter in each package. In addition the original and one copy of the letter should be sent under separate cover. The copy will be returned as a receipt. This form should not be used for correspondence or transmitting accounting documents.

F00498

RHODE ISLAND, BUZZARDS BAY AND RHODE ISLAND SOUND, 7.5 NM SOUTH OF LANDS END

ONE TUBE CONTAINING THE FOLLOWING:

- 1 PAGE SIZED SMOOTH SHEET PLOT FOR SURVEY F00498
- 1 MYLAR H-DRAWING PLOT FOR NOS CHART 13223
- 1 RECORD OF APPLICATION TO CHART FORM FOR SURVEY F00498

FROM: (Signature)



RECEIVED THE ABOVE
(Name, Division, Date)

Return receipted copy to:

• NOAA \ NATIONAL OCEAN SERVICE
 ATLANTIC HYDROGRAPHIC BRANCH N/CS33
 439 WEST YORK STREET
 NORFOLK, VA. 23510-1114

**ATLANTIC HYDROGRAPHIC BRANCH
EVALUATION REPORT FOR F00498 (2004)**

This Evaluation Report has been written to supplement and/or clarify the original Descriptive Report. Sections in this report refer to the corresponding sections of the Descriptive Report.

B. DATA ACQUISITION AND PROCESSING

The following software was used to process data at the Atlantic Hydrographic Branch:

Hydrographic Processing System
MicroStation J, version 07.01.04.16
I/RAS B, version 07.01.000.18
MapInfo, version 6.5
CARIS HIPS/SIPS 5.3
PYDRO, version 3.7.1

The smooth sheet was plotted using a Hewlett Packard DesignJet 2500CP plotter.

JUNCTIONS

There are no junctional surveys. Present survey depths are in harmony with the charted hydrography.

C. HORIZONTAL CONTROL

Horizontal control used for this survey during data acquisition is based upon the North American Datum of 1983 (NAD83), UTM Zone 19N. Office processing of this survey is based on these values.

- D. COMPARISON WITH CHART 13223 (38th Edition, Apr./05)**
Corrected through NM Apr. 23/05
Corrected through LNM Apr. 12/05

Hydrography

The charted hydrography originates with the prior surveys and requires no further consideration. A comparison with prior surveys was not done during office processing in

accordance with section 4 of the memorandum titled, "Changes to Hydrographic Survey Processing", dated May 24, 1995. The following should be noted:

1) This survey was done to investigate and resolve Automated Wreck and Obstruction Information System (AWOIS) Item #7445, a charted dangerous obstruction with a depth of 40 feet in Latitude 41°26'11.60"N, Longitude 71°23'15.06"W. After a 200% side scan sonar/multibeam investigation of the area the shoalest depth found was 54 feet in the Latitude 41°26'11.66"N, Longitude 71°23'14.76"W, in a rocky area centered in Latitude 41°26'12.76"N, Longitude 71°23'13.89"W. It is recommended that the charted feature be deleted and that the area be charted as shown on the present survey. It is further recommended that the area be labeled rocky on the chart.

The present survey is adequate to supersede the charted hydrography within the common area.

Dangers to Navigation

No Danger to Navigation Reports were submitted to the Marine Chart Division, N/CS3x1, Silver Spring, Maryland.

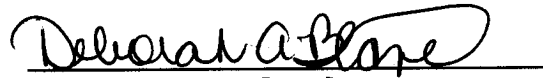
MISCELLANEOUS

Chart compilation was done by Atlantic Hydrographic Branch personnel, in Norfolk, Virginia. Compilation data will be forwarded to Marine Chart Division, Silver Spring, Maryland.

13223 (38th Edition, Apr./05)
Corrected through NM Apr. 23/05
Corrected through LNM Apr. 12/05

ADEQUACY OF SURVEY

This is an adequate field examination/side scan sonar/multibeam survey. No additional work is recommended.

A handwritten signature in cursive script, reading "Deborah A. Bland", is written over a horizontal line.

Deborah A. Bland

Cartographer

Verification of Field Data

Evaluation and Analysis

APPROVAL SHEET

F00498

The completed survey has been inspected with regard to survey coverage, delineation of depth curves, development of critical depths, cartographic symbolization, and verification or disproof of charted data. All revisions and additions made to the smooth sheet during survey processing have been entered in the digital data for this survey. The survey records and digital data comply with NOS requirements except where noted in the Evaluation Report.

Deborah A. Bland

Deborah A. Bland
Cartographer,
Atlantic Hydrographic Branch

Date: 5 August 2005

I have reviewed the smooth sheet, accompanying data, and reports. This survey and accompanying digital data meet or exceed NOS requirements and standards for products in support of nautical charting except where noted in the Evaluation Report.

Approved:

P. Tod Schattgen

P. Tod Schattgen,
Lieutenant Commander, NOAA
Chief, Atlantic Hydrographic Branch

Date: 5 August 2005

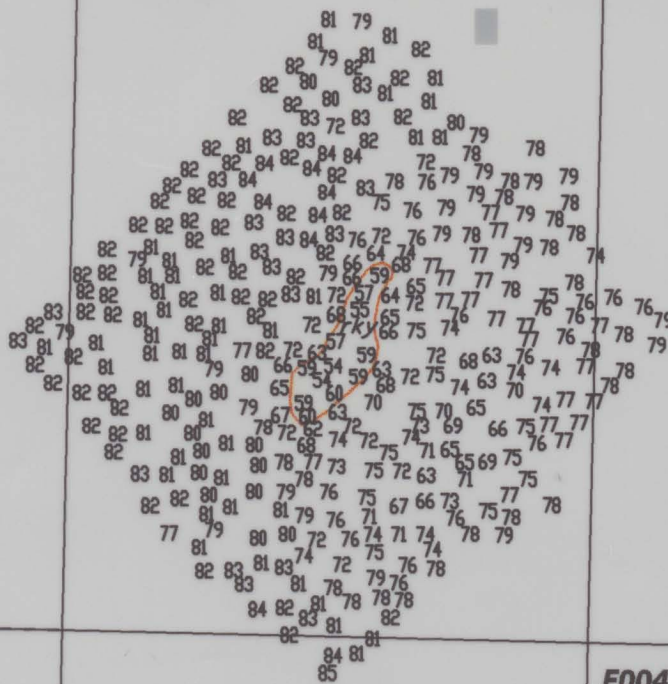
71° 23'30"

71° 23'00"

71° 22'30"

41° 26'30"

41° 26'30"



41° 26'00"

41° 26'00"

F00498
RHODE ISLAND
BUZZARDS BAY AND RHODE ISLAND SOUND
1 NM SE OF BEAVERTAIL POINT
SCALE 1:10,000
JULY 22, 2004
NORTH AMERICAN DATUM OF 1983
SOUNDINGS IN FEET AT MLLW
SHEET 1 OF 1

41° 25'30"

41° 25'30"

71° 23'30"

71° 23'00"

71° 22'30"

