

**F00620**

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: F00620

**LOCALITY**

State: Massachusetts

General Locality: New Inlet

Sub-locality: New Inlet

**2012**

CHIEF OF PARTY  
LTJG Stephen Loy

LIBRARY & ARCHIVES

Date:

**HYDROGRAPHIC TITLE SHEET**

**F00620**

**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: **Massachusetts**

General Locality: **New Inlet**

Sub-Locality: **New Inlet**

Scale: **1: 10,000**

Dates of Survey: **08/20/2012 to 08/23/2012**

Instructions Dated: **08/03/2012**

Project Number: **S-A929-NRT5-12**

Field Unit: **Navigation Response Team 5**

Chief of Party: **LTJG Stephen Loy**

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: **N/A**

**Remarks:**

*The purpose of this survey was to assist the USCG with repositioning Aids to Navigation. 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/>.*



**UNITED STATES DEPARTMENT COMMERCE**

National Oceanic and Atmospheric Administration  
NATIONAL OCEAN SERVICE  
Office of Coast Survey  
Silver Spring, Maryland 20910-3282

27 April 2016

MEMORANDUM FOR: Commander Benjamin K. Evans, NOAA  
Chief, Pacific Hydrographic Branch

FROM: Lieutenant Junior Grade Andrew R. Clos, NOAA  
Team Lead, Navigation Response Team 5

SUBJECT: Submission of Survey F00620

Survey F00620 was conducted by NRT5 in response to a request from the USCG Aids to Navigation team due to their need to constantly reset buoys in the area. Complete multibeam was used to generate accurate depth information.

NRT5 provided CWO Chris Sparkman of the USCG with a PDF printout of the chart, overlaid with survey scale soundings and a color coded CARIS BASE surface, which served as a digital terrain model. The purpose of this product was to allow for rapid visual assessment of the area for future to Aids Navigation Team activities. Refer to the Constituent Products folder and the NewInlet\_USCG.pdf file for further reference.

Soundings were reduced to Mean Lower Low Water (MLLW) using preliminary observed tides from station 8443970 (Boston, MA).

All survey systems and methods utilized during this survey were as described in the document: DAPR\_S-A929-NRT5-12.pdf which is included with this submission.

This survey was inspected for DtoNs and two were found. In lieu of a tradition point or area DtoN submission, this report was submitted as a source document to NOAA's Marine Charting Division (MCD) to remove two soundings from the following charts: ENC, US5MA13M; RNC: 13267. Refer to the DtoN section and Project Correspondence.

This survey does not meet charting specifications and is not adequate to supersede prior data. Due to the highly dynamic nature of the seafloor in this area and the time that has elapsed since data acquisition, this survey data cannot be charted with confidence. Please refer to the Project

Correspondence folder for more discussion and justification of this matter.

Meta Data for F00620	
Project	S-A929-NRT5-12
Survey	F00620
State	Massachusetts
Locality	New Inlet, MA
Sub Locality	New Inlet
Scale of Survey	1:10000
Sonars Used	Kongsberg EM3002
Horizontal Datum	North American Datum of 1983 (NAD83)
Vertical Datum	Mean Lower Low Water (MLLW)
Vertical Datum Correction	VDatum Separation Model
Projection	Latitude-Longitude (NAD83) - UTM Zone 19N
Field Unit	NRT5
Survey Dates	08/20/2012 – 08/23/2012
Chief of Party	Steven Loy
Submission Date	4/27/2016

**To:** Nautical Data Branch  
**From:** Navigational Services Division  
**Subject:** Removal of Soundings at New Inlet, MA.  
**Largest Scale Chart Effected:** 13267  
**Largest Scale ENC Effected:** US5MA13M  
**Date Submitted:** 4/26/2016

**Background:**

Based on discussions with Mike Davidson of the Navigation Response Branch, this document is being created in order to remove 2 charted soundings in the New Inlet, MA area. Mike summarized the background for this request in the attached email.

**Recommendations:**

- 1) Remove currently charted 19 foot sounding located at: 42-09-41.7N – 70-42-39.9W
- 2) Remove currently charted 10 foot sounding located at: 42-10-03.1N – 70-42-21.8W and replace it with a 4 foot sounding.
- 3) Update Coast Pilot as is deemed appropriate.
- 4) Consider submitting items for publication in LNM.

**Other:**

Cartographers are asked to consult with Steve Soherr (301 713 2750 ext174) should they choose to deviate from the recommended action. This is so that he can notify the NRT or Navigation Manager, who submitted the information on behalf of our customers, about what they can expect to see charted. In some cases, they may be able to provide additional information that will enable MCD to chart the feature as was originally recommended.



Steve Soherr - NOAA Federal <steve.soherr@noaa.gov>

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## F00620 Source Document

1 message

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Michael Davidson - NOAA Federal <michael.davidson@noaa.gov>

Fri, Apr 22, 2016 at 10:46 AM

To: Steve Soherr - NOAA Federal <Steve.Soherr@noaa.gov>

Cc: Andrew Clos - NOAA Federal <andrew.clos@noaa.gov>

Steve,

Please use the information included below and graphics attached to this email to create a source document to remove some soundings from the chart at New Inlet, south of Scituate, MA.

Survey F00620 was assigned and acquired in 2012 in response to a request from USCG Sector Boston, ATONS Officer. The survey area was reported to be changeable in nature and USCG expressed concerns of shoaling. Following the survey, the team submitted preliminary constituent products to the ATONS Officer from Sector Boston. During processing, issues with ERS and with tide zoning were reported. These issues delayed survey submission. In October of 2012, Superstorm Sandy impacted a large portion of New England. As a result, the survey was considered to be outdated and unreliable for charting purposes. However, since constituent products were provided, this survey and the products associated with it still need to be archived at NCEI. In consultation with PHB, it was determined that due to the circumstances surrounding this survey, a DR Memo is appropriate documentation for archival purposes, since the recommendation is not to chart any of the data associated with this survey.

For F00620, we are working with NDB to remove the 19 ft charted depth between GC"7" and GC"9" and replace the 10 ft charted depth north of GC"3" with a 4 ft charted depth. Once these changes have occurred, it will have addressed the concerns of DTONS from this survey.

Attached are a DTM and a sounding plot of the area to aid in creating the source document. Please copy me and Andrew Clos on the final source document that goes to NDB.

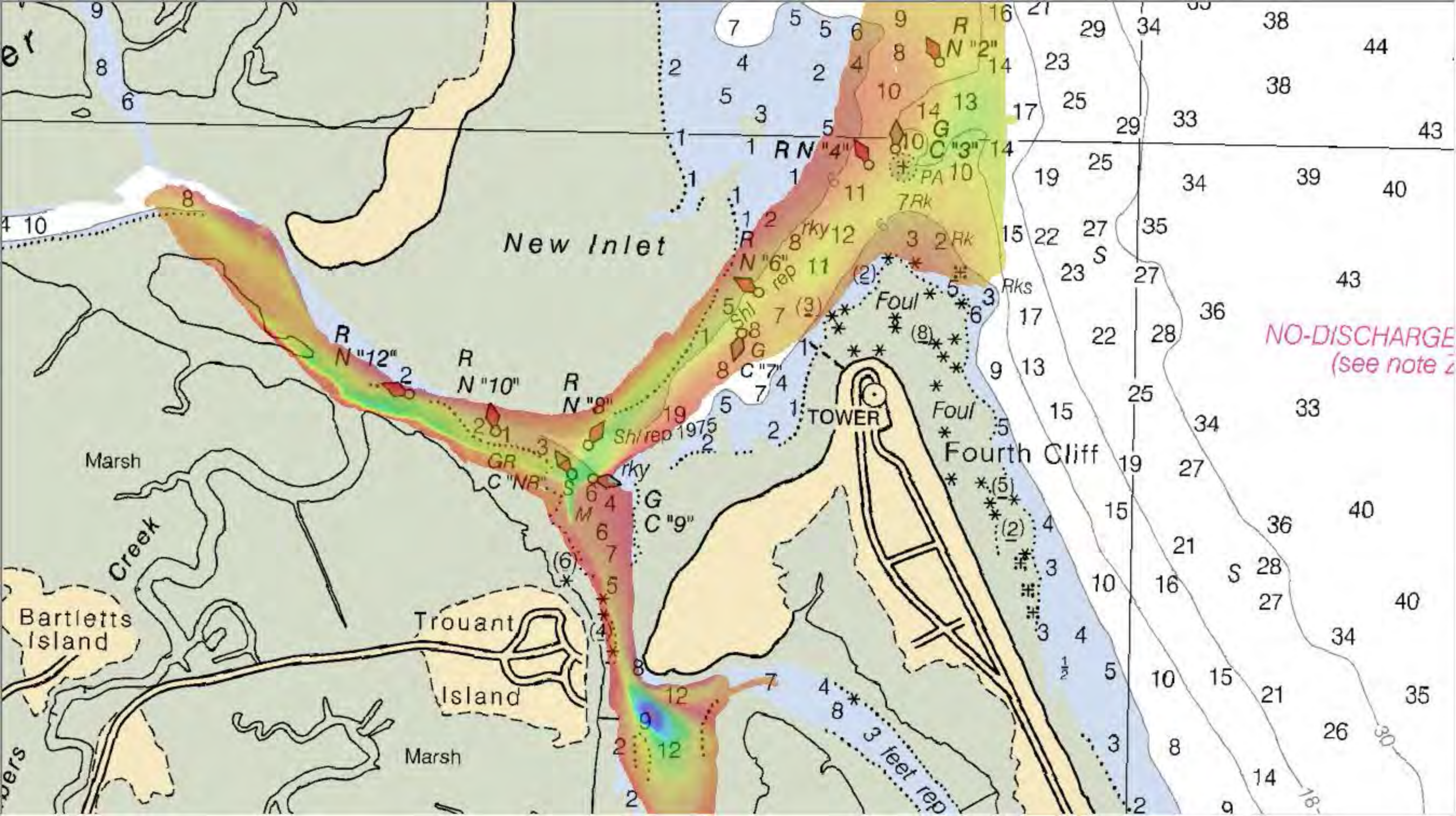
Thanks,  
Mike

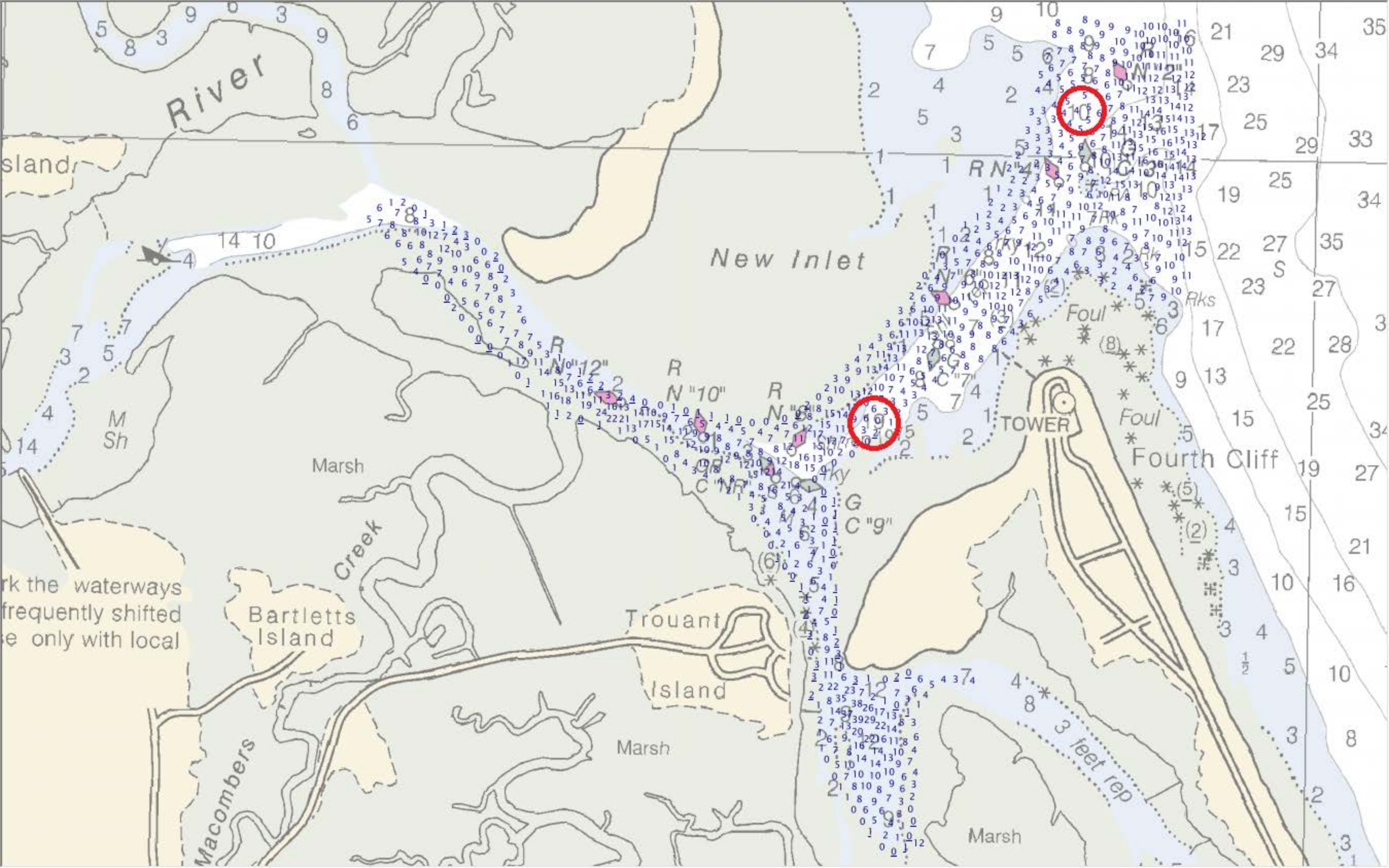
—  
Michael C. Davidson  
NOAA Office of Coast Survey  
Navigation Response Branch  
1315 East West Hwy, SSMC3, Sta 6326  
Silver Spring, MD 20910  
[301-713-2730](tel:301-713-2730) x161 office  
[757-771-5305](tel:757-771-5305) work cell  
[michael.davidson@noaa.gov](mailto:michael.davidson@noaa.gov)

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2 attachments

F00620\_MBES.png







APPROVAL PAGE

F00620

Data did not meet current specifications as determined by the OCS survey acceptance review process. The survey did not meet specifications mainly due to the age of the survey and highly changeable nature of the area. With the exception of the two charted soundings identified for removal from the chart, which was sent to MCD in a chart letter on 4/26/2016, the survey will not be applied to NOAA charting products.

The following products will be sent to NGDC for archive:

- F00620\_DR\_Memo.pdf
- Processed survey data and records
- F00620\_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 Benjamin Evans, NOAA**

Chief, Pacific Hydrographic Branch