

**F00726**

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

**DESCRIPTIVE REPORT**

Type of Survey: Field Examination

Registry Number: F00726

**LOCALITY**

State(s): Texas

General Locality: Western Gulf of Mexico

Sub-locality: 71 NM Southeast of  
Galveston Bay Entrance

**2018**

CHIEF OF PARTY  
LCDR Olivia Hauser, NOAA

**LIBRARY & ARCHIVES**

Date:

**HYDROGRAPHIC TITLE SHEET**

**F00726**

**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(s): **Texas**

General Locality: **Western Gulf of Mexico**

Sub-Locality: **71 NM Southeast of Galveston Bay Entrance**

Scale: **40,000**

Dates of Survey: **May 8, 2018 to May 8, 2018**

Project Number: **OPR-K371-TJ-18**

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

Chief of Party: **LCDR Olivia Hauser, NOAA**

Soundings by: **Multibeam Echo Sounder**

Imagery by: **Multibeam Echo Sounder Backscatter**

Verification by: **Atlantic Hydrographic Branch (AHB)**

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

**Remarks:**

*Any revisions to the Descriptive Report (DR) applied during office processing are shown in red italic text. The DR is maintained as a field unit product, therefore all information and recommendations within this report are considered preliminary unless otherwise noted. The final disposition of survey data is represented in the NOAA nautical chart products. All pertinent records for this survey are archived at the National Centers for Environmental Information (NCEI) and can be retrieved via <https://www.ncei.noaa.gov/>.*

*Products created during office processing were generated in NAD83 UTM 15N, MLLW. All references to other horizontal or vertical datums in this report are applicable to the processed hydrographic data provided by the field unit.*

<b>Descriptive Report Summary</b> <b>F00726</b>	
Project	OPR-K371-TJ-18
Survey	F00726
State	Texas
Locality	Western Gulf of Mexico
Sub Locality	71 NM Southeast of Galveston Bay Entrance
Scale of Survey	1:40000
Sonars Used	Kongsberg Maritime EM 710 (MBES) Kongsberg Maritime EM 2040 (MBES)
Horizontal Datum	World Geodetic System (WGS) 1984
Vertical Datum	Mean Lower Low Water
Vertical Datum Correction	VDatum
Projection	UTM 15N
Field Unit	NOAA Ship <i>Thomas Jefferson</i>
Survey Dates	05/08/2018
Chief of Party	Christiaan van Westendorp, CDR/NOAA

### A. Area Surveyed

F00726 is located approximately 71 NM southeast of the Galveston Bay Entrance channel and was conducted in accordance with requests from the project manager and the requirements defined in the Project Instruction OPR-K371-TJ-18.

Data were acquired within the following survey limits:

Northwest Limit	Southeast Limit
28° 41' 19.6" N 93° 38' 31.38" W	28° 39' 43.28" N 93° 36' 22.55" W

### B. Survey Purpose

The purpose of this project is to provide contemporary surveys to update National Ocean Service nautical charts and products in an area critical to the nation's economy. In 2015, the Port of Houston supported \$137 Billion in trade, ranked first in the nation for foreign tonnage, is the nation's largest importer/exporter of petroleum products, and supported 509,000 jobs directly or indirectly. The project manager identified this field investigation as the top priority in project OPR-K371-TJ-18. The intent of F00726 was to examine two position approximate wreck features within a safety fairway, prove or disprove their existence, and update locations and least depths accordingly.

### C. Intended Use of Survey

The entire survey is adequate to supersede previous data.

### D. Data Acquisition and Processing

Please reference Data Acquisition and Processing Report OPR-K371-TJ-18\_DAPR for a complete description of data acquisition and processing systems, survey vessels, quality control procedures and data processing methods.

### E. Uncertainty

The bathymetric surface uncertainty layer showed compliance with HSSD 2018 standards for uncertainty. Over 99.5% of all nodes passed uncertainty standards and data density requirements (Figures 1 and 2).

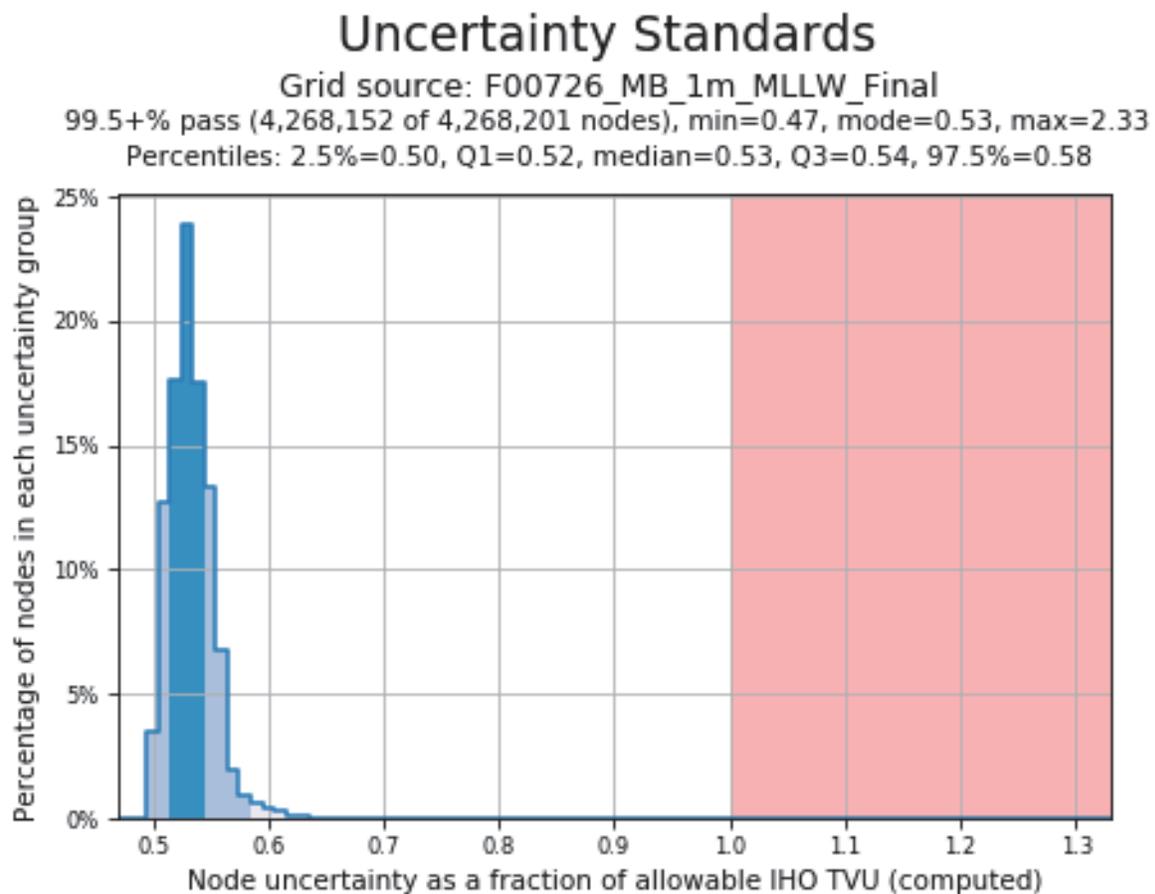


Figure 1. Uncertainty Standards for F00726.

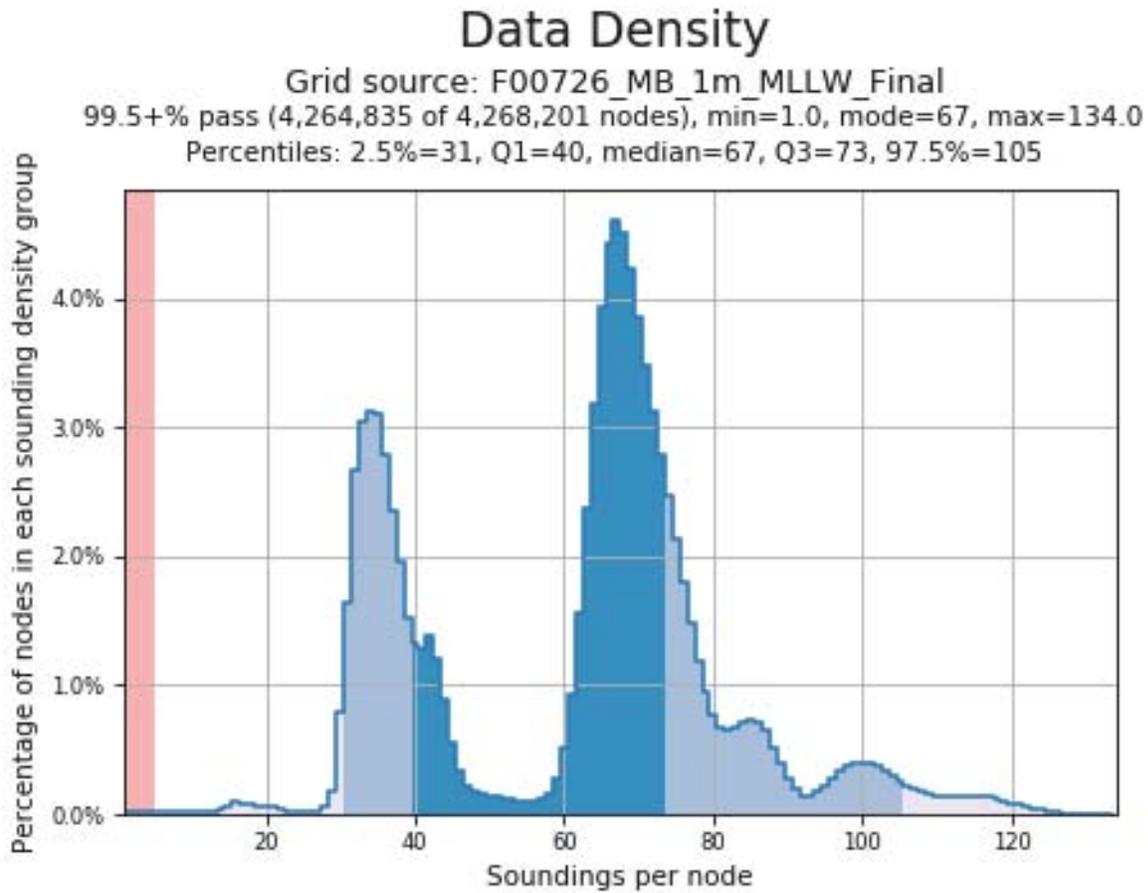


Figure 2. Grid Data Density for F00726.

## F. Results and Recommendations

The following are the largest scale ENC that cover the survey area:

ENC	Scale	Edition	Update Application Date	Issue Date	Preliminary?
US3GC02M	1:250000	33	07/11/2018	08/15/2018	NO

The comparison between F00726 and US3GC02M found that F00726 soundings are generally in agreement within a 3 meter range.

The following surfaces and/or BAGs were submitted to the Processing Branch:

Surface Name	Surface Type	Resolution	Depth Range	Surface Parameter	Purpose
F00726_MB_1m_MLLW	CUBE	1 m	28 m - 34 m	NOAA_1m	Object Detection MBES
F00726_MB_1m_MLLW_Final	CUBE	1 m	28 m - 34 m	NOAA_1m	Object Detection MBES

### G. Vertical and Horizontal Control

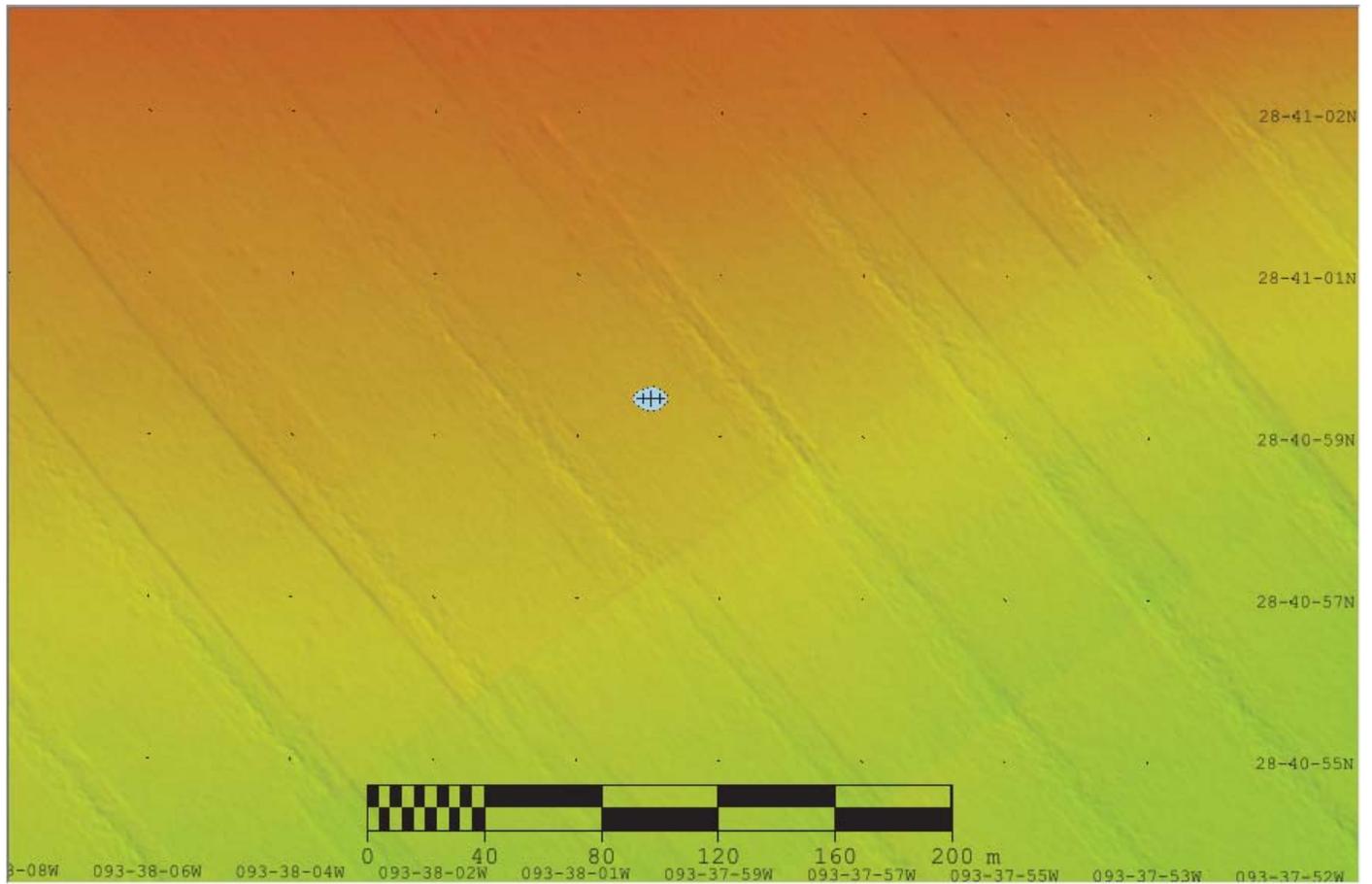
The vertical datum for this project is Mean Lower Low Water.

The vertical control method used for this survey was VDatum.

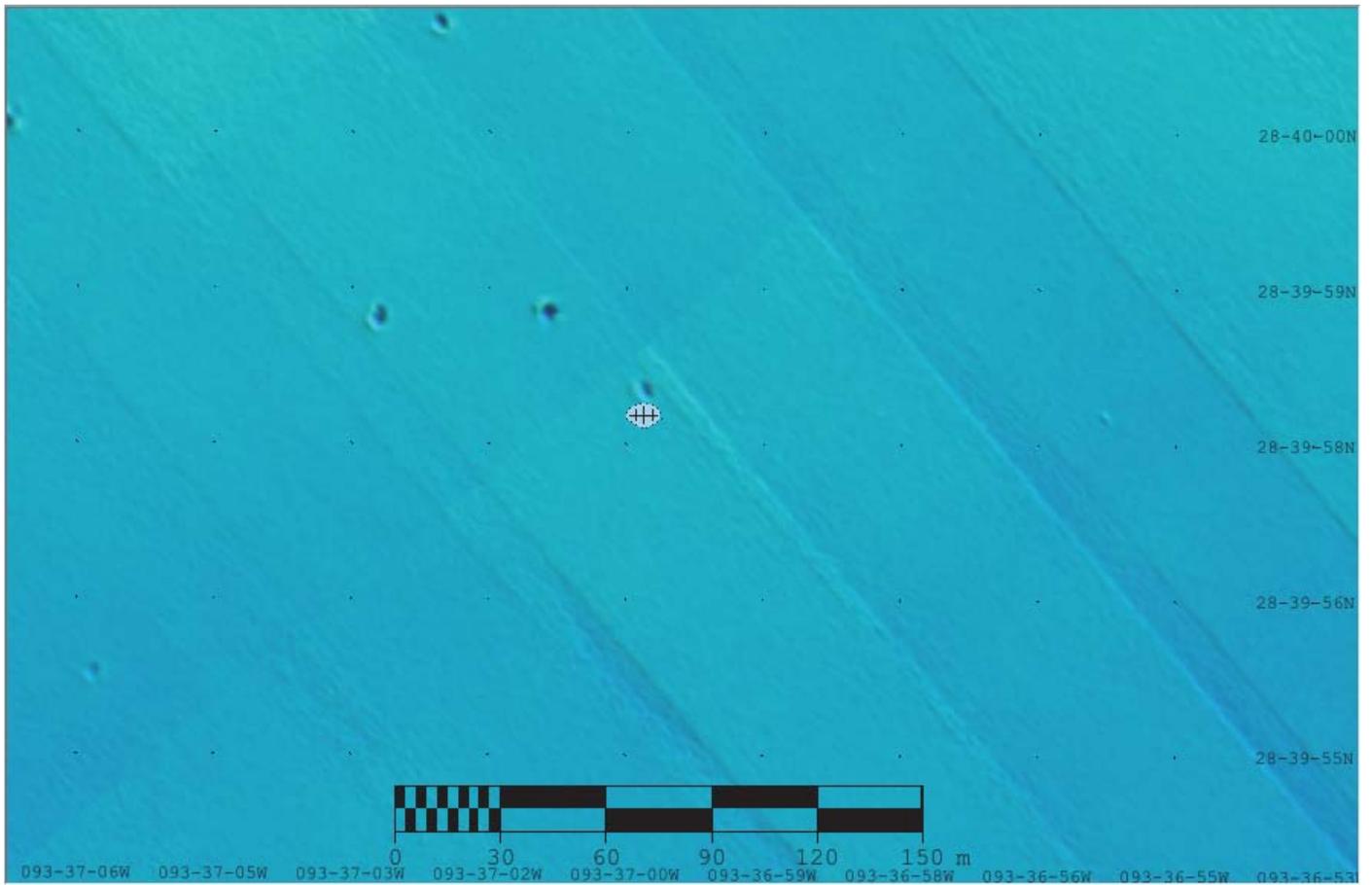
The horizontal datum for this project is World Geodetic System (WGS) 1984. The projection used for this survey is UTM 15N.

### H. Additional Results

No wrecks or other dangers to navigation were present in the surveyed area, and the assigned charted wrecks are disproved according to a search radius of 480m (Figure 3, 4). An Anti-DtoN report was submitted on 12 May 2018 as H13052\_Anti-DtoN (Appendix 2). This data was originally collected under the registry number H13052 but was given the field investigation registry number F00726 in September 2018 (see DR Appendix 2 for correspondence). The Anti-DtoN report contained within this submission folder is the same as the original submitted, but is named F00726\_AntiDtoN.



(Figure 3). Bathymetry vertically exaggerated 4x, depicting no wrecks or dangers to navigation at 28-40-59.212560N, 093-37-59.676240W.



(Figure 4). Bathymetry vertically exaggerated 4x, depicting no wrecks or dangers to navigation at 28-39-57.857760N, 93-37-00.296760W

## I. Approval

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 Survey Summary 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 Specifications and Deliverables, 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 Survey Summary Report.

Approver Name	Title	Date	Signature
LCDR Olivia Hauser, NOAA	Chief of Party (Acting)	09/22/2018	 HAUSER.OLIVIA.A.1275636 009 2018.09.22 12:51:34 -04'00'
LT Anthony Klemm, NOAA	Field Operations Officer	09/22/2018	KLEMM.ANTHONY .ROSS.1392701601 Digitally signed by KLEMM.ANTHONY.ROSS.13 92701601 Date: 2018.09.22 15:26:09 Z

APPENDIX I  
TIDES AND WATER LEVELS

## APPENDIX II

# SUPPLEMENTAL SURVEY RECORDS AND CORRESPONDENCE



Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>

---

## 'F' survey number for anti-DTON search; F00726

1 message

---

**Douglas Wood - NOAA Federal** <douglas.wood@noaa.gov>

Mon, Sep 10, 2018 at 10:35 AM

To: Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>, Charles Wisotzkey - NOAA Federal <charles.j.wisotzkey@noaa.gov>, Castle Parker - NOAA Federal <castle.e.parker@noaa.gov>, Corey Allen - NOAA Federal <corey.allen@noaa.gov>

Hi LTs Klemm and Wisotzkey,

sorry that this took so long. The number is F00726 and we would like a DR Summary submitted when you can.

If this number looks familiar it happens to be a number initiated for the canceled dumping ground survey next to the channel.

Please let me know if you need anything else.

Doug

--

Douglas Wood  
Physical Scientist  
Hydrographic Surveys Division  
Office of Coast Survey  
National Oceanic and Atmospheric Administration  
[1315 East West Highway](#)  
[Silver Spring, MD 20910](#)  
240-533-0042



Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>

---

## F00726 Survey Outline

1 message

---

**Anthony Klemm - NOAA Federal** <anthony.r.klemm@noaa.gov>

Sat, Sep 22, 2018 at 7:44 PM

To: \_NOS OCS Survey Outlines <survey.outlines@noaa.gov>, \_OMAO MOA OPS Thomas Jefferson  
<ops.thomas.jefferson@noaa.gov>

Cc: Douglas Wood <douglas.wood@noaa.gov>

Attached.

LT Anthony Klemm, NOAA  
Field Operations Officer  
NOAA Ship *Thomas Jefferson*  
439 W York Street  
Norfolk, VA 23510  
757-647-0187

Learn about NOAA nautical charts - [www.nauticalcharts.noaa.gov](http://www.nauticalcharts.noaa.gov)

---

 **F00726\_Survey\_Outline.shp.zip**  
200K



Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>

---

## Wreck PA Search

---

Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>

Sat, Sep 22, 2018 at 2:02 PM

To: Douglas Wood <douglas.wood@noaa.gov>

Cc: \_OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>

Hi Doug,

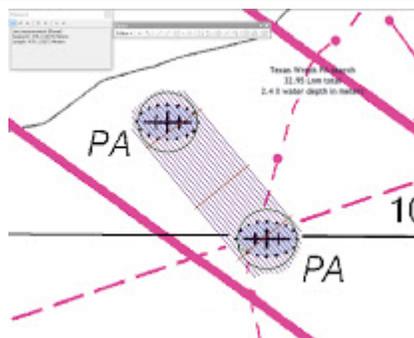
I'm packaging up F00726 right now, and I can't find the email from you specifically stating the search radius of 480m for the two wreck PAs. It looks like it was an email conversation between you and Kim. Can you forward me the correspondence, or at least confirm the 480m search radius requirement by replying to this email?

Best regards,  
Anthony

LT Anthony Klemm, NOAA  
Field Operations Officer  
NOAA Ship *Thomas Jefferson*  
439 W York Street  
Norfolk, VA 23510  
757-647-0187

Learn about NOAA nautical charts - [www.nauticalcharts.noaa.gov](http://www.nauticalcharts.noaa.gov)

[Quoted text hidden]



PA Wreck search proposed.jpg  
233K



Anthony Klemm - NOAA Federal <[anthony.r.klemm@noaa.gov](mailto:anthony.r.klemm@noaa.gov)>

---

## Fwd: PA radii

1 message

---

**Douglas Wood - NOAA Federal** <[douglas.wood@noaa.gov](mailto:douglas.wood@noaa.gov)>  
To: Anthony Klemm - NOAA Federal <[anthony.r.klemm@noaa.gov](mailto:anthony.r.klemm@noaa.gov)>

Sat, Sep 22, 2018 at 3:09 PM

Hi LT Klemm,

found it! See below:

Just got back from a week with NRT-2' they do great work!

They just dropped me off on the *Hassler* while on their way home.  
I am scheduled to jump off next Friday and have offered to my chief to fly to PR to hang out with y'all. So far he has not offered me up though.

Doug

----- Forwarded message -----

From: **Douglas Wood - NOAA Federal** <[douglas.wood@noaa.gov](mailto:douglas.wood@noaa.gov)>  
Date: Fri, May 4, 2018 at 9:58 AM  
Subject: PA radii  
To: Kimberly Glomb - NOAA Federal <[kimberly.glomb@noaa.gov](mailto:kimberly.glomb@noaa.gov)>

Hi Kim,

the disapproval radius of the 'PA's should be 480m. Big circle. Also, I believe that I sent Ops the WGS84 VDatum the week after I was there. I have a copy here that I can send later this morning if you cannot find it. Let me know.

Doug

--

Douglas Wood  
Physical Scientist  
Hydrographic Surveys Division  
Office of Coast Survey  
National Oceanic and Atmospheric Administration  
[1315 East West Highway](#)  
[Silver Spring, MD 20910](#)  
240-533-0042

--

Douglas Wood  
Physical Scientist  
Hydrographic Surveys Division  
Office of Coast Survey  
National Oceanic and Atmospheric Administration  
[1315 East West Highway](#)  
[Silver Spring, MD 20910](#)  
240-533-0042



## Anti-DTON H13052 OPR-K371-TJ-18

OCS NDB - NOAA Service Account <ocs.ndb@noaa.gov>

Mon, May 14, 2018 at 1:05 PM

To: Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>

Cc: James Miller <james.j.miller@noaa.gov>, Douglas Wood <douglas.wood@noaa.gov>, Briana Welton - NOAA Federal <Briana.Hillstrom@noaa.gov>, \_OMAO MOA CO Thomas Jefferson <co.thomas.jefferson@noaa.gov>, Corey personal cell Allen <corey.allen@noaa.gov>, \_OMAO MOA OPS Thomas Jefferson <ops.thomas.jefferson@noaa.gov>, Alan Bunn <Alan.Bunn@noaa.gov>, \_NOS OCS PBA Branch <ocs.pba@noaa.gov>, \_NOS OCS PBB Branch <ocs.pbb@noaa.gov>, \_NOS OCS PBC Branch <ocs.pbc@noaa.gov>, \_NOS OCS PBD Branch <ocs.pbd@noaa.gov>, \_NOS OCS PBE Branch <ocs.pbe@noaa.gov>, \_NOS OCS PBG Branch <ocs.pbg@noaa.gov>, Castle E Parker <Castle.E.Parker@noaa.gov>, Charles Porter - NOAA Federal <charles.porter@noaa.gov>, James M Crocker <James.M.Crocker@noaa.gov>, Ken Forster <Ken.Forster@noaa.gov>, Kevin Jett - NOAA Federal <kevin.jett@noaa.gov>, Matt Kroll <Matt.Kroll@noaa.gov>, Michael Gaeta <Michael.Gaeta@noaa.gov>, Nautical Data Branch <OCS.NDB@noaa.gov>, NSD Coast Pilot <coast.pilot@noaa.gov>, PHB Chief <PHB.Chief@noaa.gov>, Tara Wallace <Tara.Wallace@noaa.gov>, Chris Libeau <Chris.Libeau@noaa.gov>

DD-29508 has been registered by the Nautical Data Branch and directed to Products Branch G for processing.

The Anti-DTONs reported consist of the disproval of two charted submerged dangerous wrecks PA located approximately 67 NM SE of High Island, TX in the Gulf of Mexico.

The following charts are affected:

11330 kapp 195  
11340 kapp 49

The following ENC is affected:

US3GC02M

References:

H13052  
OPR-K371-TJ-18

This information was discovered and submitted by the crew of the NOAA Ship Thomas Jefferson.

Nautical Data Branch/Marine Chart Division/  
Office of Coast Survey/National Ocean Service/  
Contact: [ocs.ndb@noaa.gov](mailto:ocs.ndb@noaa.gov)



On Sat, May 12, 2018 at 3:03 PM, Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov> wrote:

Good afternoon,

On 08 May 2018, *Thomas Jefferson* conducted a search for two Position Approximate Dangerous Wrecks (depth unknown) inside the Safety Fairway in the approach to Houston, TX. The PA wrecks were disproved as a result of a thorough search of the entire search radius of 480m using object detection multibeam from an EM2040 and EM710.

Original guidance from HSD Ops was to only report the results of the wreck investigations via the DTON process if they were located and deemed dangerous. Notwithstanding that original guidance, due to in-field observations of vessel traffic patterns near the wrecks, we recommend Coast Survey remove the PA wrecks from the chart as soon as possible. The presence of the wrecks creates a virtual narrowing of the Safety Fairway, which is frequently transited by deep draft commercial traffic at high speeds. The hydrographer assesses the removal of the wrecks should significantly increase waterway safety.

Attached is the Anti-DTON report, and a presentation illustrating some of our in-field observations.

LT Anthony Klemm, NOAA  
Field Operations Officer  
NOAA Ship *Thomas Jefferson*

439 W York Street  
Norfolk, VA 23510  
757-647-0187

Learn about NOAA nautical charts - [www.nauticalcharts.noaa.gov](http://www.nauticalcharts.noaa.gov)

---

## 2 attachments

 **Anti-DTON justification GOM Safety Fairway.pptx**  
2062K

 **H13052\_Anti-DTON.zip**  
7K

**From:** [OCS NDB - NOAA Service Account](#)  
**To:** [Anthony Klemm - NOAA Federal](#)  
**Cc:** [James Miller](#); [Douglas Wood](#); [Briana Welton - NOAA Federal](#); [\\_OMAO MOA CO Thomas Jefferson](#); [Corey personal cell Allen](#); [\\_OMAO MOA OPS Thomas Jefferson](#); [Alan Bunn](#); [\\_NOS OCS PBA Branch](#); [\\_NOS OCS PBB Branch](#); [\\_NOS OCS PBC Branch](#); [\\_NOS OCS PBD Branch](#); [\\_NOS OCS PBE Branch](#); [\\_NOS OCS PBG Branch](#); [Castle E Parker](#); [Charles Porter - NOAA Federal](#); [James M Crocker](#); [Ken Forster](#); [Kevin Jett - NOAA Federal](#); [Matt Kroll](#); [Michael Gaeta](#); [Nautical Data Branch](#); [NSD Coast Pilot](#); [PHB Chief](#); [Tara Wallace](#); [Chris Libeau](#)  
**Subject:** Re: Anti-DTON H13052 OPR-K371-TJ-18  
**Date:** Monday, May 14, 2018 2:06:37 PM  
**Attachments:** [Anti-DTON justification GOM Safety Fairway.pptx](#)  
[H13052 Anti-DTON.zip](#)

---

DD-29508 has been registered by the Nautical Data Branch and directed to Products Branch G for processing.

The Anti-DTONs reported consist of the disproval of two charted submerged dangerous wrecks PA located approximately 67 NM SE of High Island, TX in the Gulf of Mexico.

The following charts are affected:  
11330 kapp 195  
11340 kapp 49

The following ENC is affected:  
US3GC02M

References:  
H13052  
OPR-K371-TJ-18

This information was discovered and submitted by the crew of the NOAA Ship Thomas Jefferson.

Nautical Data Branch/Marine Chart Division/  
Office of Coast Survey/National Ocean Service/  
Contact: [ocs.ndb@noaa.gov](mailto:ocs.ndb@noaa.gov)



On Sat, May 12, 2018 at 3:03 PM, Anthony Klemm - NOAA Federal  
<[anthony.r.klemm@noaa.gov](mailto:anthony.r.klemm@noaa.gov)> wrote:

Good afternoon,

On 08 May 2018, *Thomas Jefferson* conducted a search for two Position Approximate Dangerous Wrecks (depth unknown) inside the Safety Fairway in the approach to Houston, TX. The PA wrecks were disproved as a result of a thorough search of the entire search radius of 480m using object detection multibeam from an EM2040 and EM710.

Original guidance from HSD Ops was to only report the results of the wreck investigations via the DTON process if they were located and deemed dangerous. Notwithstanding that original guidance, due to in-field observations of vessel traffic patterns near the wrecks, we recommend Coast Survey remove the PA wrecks from the chart as soon as possible. The presence of the wrecks creates a virtual narrowing of the Safety Fairway, which is frequently transited by deep draft commercial traffic at high speeds. The hydrographer assesses the removal of the wrecks should significantly increase waterway safety.

Attached is the Anti-DTON report, and a presentation illustrating some of our in-field observations.

LT Anthony Klemm, NOAA  
Field Operations Officer  
NOAA Ship *Thomas Jefferson*  
439 W York Street  
Norfolk, VA 23510  
757-647-0187

Learn about NOAA nautical charts - [www.nauticalcharts.noaa.gov](http://www.nauticalcharts.noaa.gov)



UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
Office of Marine and Aviation Operations  
NOAA Ship *Thomas Jefferson* (S222)  
439 West York St, Norfolk, VA 23510

3/29/2018

MEMORANDUM FOR: Corey Allen  
Acting Chief, Operations Branch  
Hydrographic Surveys Division

FROM: Commander Christiaan van Westendorp, NOAA  
Commanding Officer, NOAA Ship *Thomas Jefferson*

SUBJECT: Waiver request – WGS84 Datum, CY2018 Projects

*Thomas Jefferson* requests a waiver of the HSSD 2017 and HSSD 2018 Section 2.2 Horizontal Datum requirement to acquire and submit survey data in WGS84 rather than NAD83 for all projects in calendar year 2018.

Justification

Retaining the current procedure and configurations will reduce the possibility of errors.

Decision

Waiver is: Granted Denied

cc: OPS, *Thomas Jefferson*  
HCST, *Thomas Jefferson*





James Miller - NOAA Federal <james.j.miller@noaa.gov>

---

## Thomas Jefferson Marine Mammal Reports 30 Apr - 17 May 2018

---

Jacquelyn Putnam - NOAA Federal <jacquelyn.putnam@noaa.gov>

Thu, May 17, 2018 at 12:16 PM

To: \_NOS OCS ECC <ocs.ecc@noaa.gov>, Douglas Wood - NOAA Federal <douglas.wood@noaa.gov>, \_NMFS AFSC NMML POP INFORMATION <pop.information@noaa.gov>

Cc: Anthony Klemm - NOAA Federal <anthony.r.klemm@noaa.gov>, James Miller - NOAA Federal <james.j.miller@noaa.gov>

Good Afternoon,

Attached are marine mammal sighting reports from NOAA's *Thomas Jefferson*. These reports cover sightings during our first leg of Approaches to Galveston (30 April - 17 May).

Thank you in advance,

### ENS Jacquelyn Putnam, NOAA

Junior Officer, NOAA Ship *Thomas Jefferson*

Ship Land Line: 757-441-6322

Ship Cell: 757-647-0187

Ship Iridium: 808-434-2706

[Jacquelyn.Putnam@noaa.gov](mailto:Jacquelyn.Putnam@noaa.gov)

---

### 9 attachments

-  Thomas Jefferson\_20180430204001\_MARINE\_MAMMAL.txt  
1K
-  Thomas Jefferson\_20180501195840\_MARINE\_MAMMAL.txt  
1K
-  Thomas Jefferson\_20180503215717\_MARINE\_MAMMAL.txt  
2K
-  Thomas Jefferson\_20180507143116\_MARINE\_MAMMAL.txt  
1K
-  Thomas Jefferson\_20180508201956\_MARINE\_MAMMAL.txt  
2K
-  Thomas Jefferson\_20180512190725\_MARINE\_MAMMAL.txt  
1K
-  Thomas Jefferson\_20180512190735\_MARINE\_MAMMAL.txt  
1K
-  Thomas Jefferson\_20180514164218\_MARINE\_MAMMAL.txt  
2K
-  Thomas Jefferson\_20180514164231\_MARINE\_MAMMAL.txt  
2K

APPROVAL PAGE

F00726

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 NCEI for archive

- Descriptive Report
- Data Acquisition and Processing Report
- Collection of Bathymetric Attributed Grids (BAGs)
- Processed survey data and records
- GeoPDF of survey products
- Collection of Backscatter mosaics

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: \_\_\_\_\_  
**Commander Meghan McGovern, NOAA**  
Chief, Atlantic Hydrographic Branch