

6786

6786

<p>Form 504 U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE</p> <p><b>DESCRIPTIVE REPORT</b></p>	
Type of Survey	Hydrographic
Field No. 2001	Office No. H-6786
<p>LOCALITY</p>	
State	FLORIDA
General locality	Gulf of Mexico - Florida Coast
Locality	Cape San Blas
<p>194 2 - 43</p>	
<p>CHIEF OF PARTY</p>	
John H. Brittain & Charles A. Schanck	
<p>LIBRARY &amp; ARCHIVES</p>	
DATE	

H6786

Form 537  
(Ed. Nov. 1941)

REG. NO.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

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

REGISTER No. H-6786

Field No. 2001

State FLORIDA

General locality Gulf Of Mexico - Florida Coast

Locality Cape San Blas

Scale 1-20,000 Date of survey Nov. 1942 - Feb. 1943

Instructions dated July 30, 1942

Vessel SEADREAM & LYDONIA LAUNCH

Chief of party John H. Brittain and Charles A. Schanck

Surveyed by Ship's Officers

Soundings taken by fathometer, graphic recorder, hand lead, ~~wire~~

Protracted by Louis J. Walter

Soundings penciled by Louis J. Walter

Soundings in ~~fathoms~~ feet at MLW ~~XXXXXX~~

REMARKS: This sheet was processed at the Norfolk Processing Office.

## DESCRIPTIVE REPORT

to accompany

SHEET NO. H-6786

Since no descriptive report was written by the field party, this report is written in lieu of same. ✓

INSTRUCTIONS:

This survey was executed under authority of the Director's Instructions for Project CS-291, dated July 30, 1942. ✓

LOCALITY:

This is an inshore survey in the Gulf of Mexico in the vicinity of Cape San Blas, Florida. ✓

CONTROL AND SIGNALS:

Triangulation previously established furnished the primary control. The topographic signals were determined by graphic control, while the location of the off-shore survey buoys were gotten by sun-azimuth and taut-wire. Survey Buoy "Quo" was located by means of cuts listed in vol. 6, page 15, sheet H-6785 (1942-43) (Field 402). ✓

SURVEY METHODS:

The usual method of three-point fixes were used throughout this survey. The soundings were obtained by lead-line and the #808 graphic recorder fathometer. ✓

SMOOTH PLOTTING:

The shoreline shown on this sheet was transferred from graphic control sheets and air-photo compilations. ✓

Notations in the sounding records at positions 87 h and 20 i (red) refer to breakers in the vicinity of latitude  $29^{\circ}38.98'$  and longitude  $85^{\circ}20.90'$ . These notations are indefinite and the area was not delineated on the boat sheet. "Breakers" marked on smooth sheet.

Latitude  $29^{\circ}38.70'$  and longitude  $85^{\circ}21.07'$ , 65 i (red), -Reef. Notation in the sounding record refers to reef in the vicinity of this position. Since no reef is shown on the boat sheet and the records do not clearly indicate the locality and extent of this reef, it was not shown on the smooth sheet.

Refers to breaker area noted above.

CROSSINGS:

The crossings in general are in good agreement; however the cross lines running southeast - northwest and lying east of Cape San Blas, show disagreements of 2 to 5 ft. Improved somewhat by verifier. ✓

Par. 2,  
Rev.

H6786

DANGERS:

The area extending 2½ to 3 miles south of Cape San Blas contains a number of shoals dangerous to navigation. These shoals are clearly indicated by depth curves on the smooth sheet. ✓ | 83 sheet 4

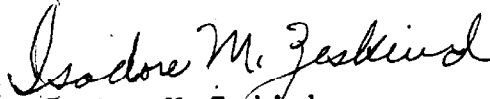
CHANNELS:

No channels were developed on this survey. ✓

JUNCTIONS WITH CONTEMPORARY SURVEYS:

Junctions are made with H-6785 on the south and west and with H-6787 on the east. ✓  
<sup>1942-1943</sup>  
<sub>1942-43</sub>

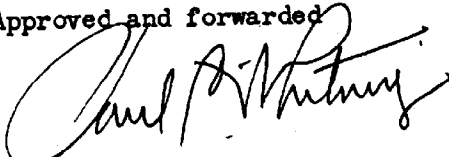
Respectfully submitted



Isadore M. Zeskind  
Associate Cartographic Engineer

Sept. 3, 1943  
Norfolk Processing Office

Approved and forwarded



Paul C. Whitney  
Supervisor S.E. District

H6786

STATISTICS FOR SHEET H-6786

	Date	Day Letter	No. Positions	Statute Miles
<u>DORY</u>				
Vol.1	Feb.18,1943	a(violet)	36	4.2
" 1	" 25, "	b "	<u>41</u>	<u>4.1</u>
			77	8.3
<u>Launch 103</u>				
Vol.1	Feb.18,1943	a(green)	68	16.2
<u>Launch 79</u>				
Vol.1	Jan.11,1943	a(blue)	80	17.6
" 1	" 25, "	b "	86	17.6
" 2	Feb. 3, "	c "	105	26.0
" 2	" 16, "	d "	63	16.4
" 2 & 3	" 18, "	e "	166	45.7
" 3	" 24, "	f "	188	42.6
" 3 & 4	" 25, "	g "	70	15.8
" 4	Mar. 5, "	h "	<u>45</u>	<u>9.5</u>
			803	191.2
<u>SEA DREAM</u>				
Vol.1	Nov. 3,1942	a(red)	101	30.2
" 1	" 5 "	b "	128	38.9
" 1 & 2	" 6 "	c "	76	23.3
" 2	" 9 "	d "	41	11.9
" 2	" 10 "	e "	126	37.6
" 2 & 3	" 12 "	f "	119	35.2
" 3	" 13 "	g "	97	27.6
" 3	" 18 "	h "	110	31.5
" 4	" 20 "	i "	87	22.3
" 4	" 23 "	j "	89	21.3
" 4	" 25 "	k "	93	24.3
" 5	" 26 "	l "	92	21.4
" 5	Dec. 2 "	m "	129	25.9
" 5 & 6	" 3 "	n "	97	21.6
" 6	" 4 "	o "	<u>71</u>	<u>16.1</u>
			1456	391.1
Grand Total			2404	606.8

Surveys Section (Chart Division)

HYDROGRAPHIC SURVEY NO. 6786...

Records accompanying survey:

Boat sheets 1...; sounding vols. 12...; wire drag vols. ....; bomb vols. ....; graphic recorder rolls 16...; special reports, etc. ....

The following statistics will be submitted with the cartographer's report on the sheet:

Table with 2 columns: Description and Value. Includes rows for 'Number of positions on sheet' (2404), 'Number of positions checked' (42), 'Number of positions revised' (4), 'Number of soundings recorded' (18103), 'Number of soundings revised (refers to depth only)' (26), 'Number of soundings erroneously spaced' (62), 'Number of signals erroneously plotted or transferred' (—), 'Topographic details' (Time .4...), 'Junctions' (Time .32...), and 'Verification of soundings from graphic record' (Time .24...).

Verification by... A. R. STIRNI..... Total time .133.. Date Mar 17, 1944

Review by ... J. A. McCormick..... Time .15 hrs. Date Mar. 27, 1944.

Remarks

Decisions

	Remarks	Decisions
1		
2		
3		
4		296853
5		296852
6		
7		
8		
9		
10		
11	location of tide staff.	
12		
13		
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26		
27		

**GEOGRAPHIC NAMES**

Survey No.

Name on Survey	Source										
	A	B	C	D	E	F	G	H	K		
<u>Florida</u>											1
<u>Gulf Of Mexico</u>											2
<del>Florida Coast</del>											3
<u>Cape San Blas</u>											4
<u>Indian Pass</u>											5
											6
											7
											8
											9
											10
<u>West Pass</u>											11
											12
											13
											14
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											19
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											21
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											24
											25
											26
											27

Names underlined in red approved  
by Lebeck on 3/27/44



# MEMORANDUM IMMEDIATE ATTENTION

SURVEY }  
DESCRIPTIVE REPORT } No. H  
PHOTOSTAT OF } No. T

{ received  
{ registered  
{ verified  
{ reviewed  
{ approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
20			
22			
24			
25			
26			
30			
40			
62			
63			
82			
✓ 83	Pg 2	<del>AB</del>	
88			
90			

RETURN TO

82	
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*U. R. W.*

rac  
HRE

TIDE NOTE FOR HYDROGRAPHIC SHEET

September 18, 1943.

~~Division of Hydrography and Topography:~~

✓ Division of Charts: Attention: H. R. EDMONSTON

Plane of reference approved in  
12 volumes of sounding records for

HYDROGRAPHIC SHEET 6786

Locality Gulf of Mexico - Florida Coast, Cape San Blas, Fla.

Chief of Party: C. A. Schanck and J. H. Brittain in 1942-43  
Plane of reference is mean low water reading  
1.9 ft. on tide staff at West Pass  
5.8 ft. below B. M. 3

Height of mean high water above plane of reference is 0.8 foot.

Condition of records satisfactory except as noted below:

Wrong sign was used for tide reducers on "F - day" (red) Nov. 12,  
1942, Vols. 2-3. This was corrected and the corrected reduced soundings  
entered in "Office" column.

*Ham*  
Acting Chief, Division of Tides and Currents.

DIVISION OF CHARTS

REVIEW SECTION - SURVEYS BRANCH

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. 6786

Field No. 2001

Florida; Gulf of Mexico; Cape San Blas  
Surveyed November 1942 - February 1943; Scale 1:20,000  
Project C.S. 291

Soundings:

Hand lead  
808 Recorder

Control:

Three-point fix on shore signals  
Three-point fix on buoy signals

Chief of Party - J. H. Brittain; C. A. Schanck  
Surveyed by - C. A. Schanck; D. E. Sturmer  
Protracted by - L. J. Walter  
Soundings plotted by - L. J. Walter  
Verified and inked by - A. R. Stirni  
Reviewed by - J. A. McCormick  
Inspected by - H. R. Edmonston, March 27, 1944

1. Shoreline and Signals

Shoreline in black is from topographic maps T-5506 and T-5507. Revisions in green and topographic signals were transferred from subsequently discarded graphic control surveys. Buoy signals were located by taut wire, sun azimuth traverse.

2. Sounding Line Crossings

The descriptive report mentions discrepancies of two to five feet at crossings. The office verifier spent considerable time rescanning the fathograms and managed to improve the agreement materially. It was noted that the deeper soundings were obtained on crosslines run in very rough weather. The weather factor alone could have contributed to the discrepancies in several ways.

3. Submarine Features

The bottom in this area is remarkably irregular. Also of interest are the rums of the old lighthouse in Lat.  $29^{\circ}39.8'$ , Long.  $85^{\circ}21.8'$ . Covered 5 feet at MLW, the rums are surrounded by depths of 20 feet. The light was erected in 1849 on dry land.

4. Adjoining Surveys

Satisfactory junctions were effected with H-6785 (1942-43) on the west and south and with H-6787 (1942-43) on the east. Project instructions called for a satisfactory junction with H-5791 (1935) at Indian Pass but changes of 1 and 2 feet in the vicinity, while not sufficient to seriously affect the charts, definitely preclude showing the overlap in the usual manner.

5. Previous Surveys

This is one area which can truly be termed changeable. An idea of the extent of the changes is furnished by the fact that the old light at Cape San Blas is now 0.4 mile from land. Limits of the 1942 shoreline revision (in green) also approximate the limits of greatest change. North and east of the point, changes have been comparatively slight. The shoals south of the cape have shifted considerably and there can be no question of retaining any of the depths from the old surveys. The present survey supersedes all previous surveys in the area.

6. Comparison with Chart 1262 (Print of Sept. 30, 1943)  
Chart 1263 (Print of Oct. 25, 1943)

Depths now charted in the area are from surveys discussed in the preceding paragraph. Can buoys "1" and "3" were found to be about 0.4 mile south of their charted positions. Their purpose apparently is to mark a 12-foot passage through the shoals. As shown on the survey, they are dangerously close to depths of 5 and 6 feet and should be moved north approximately to the positions charted.

7. Compliance with Project Instructions

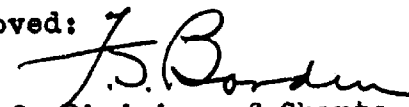
Satisfactory.

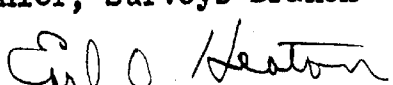
8. Additional Field Work Recommended


None.

Examined and approved:

  
Chief, Surveys Branch

  
Chief, Division of Charts

  
Chief, Section of Hydrography

  
Chief, Division of  
Coastal Surveys

applied to chart 1262 June 19, 1944 G.H.E.  
" " " 1263 June 27, 1944 J.H.E.  
applied to chart 866-sc 5-10-69 ~~JK~~ CW