

6390 6393  
6391 6394-95  
6392

Hyd. Cht. Nos. 1283, 1284, 1285 & 1286

Form 504

U. S. COAST AND GEODETIC SURVEY  
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

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Type of Survey HYDROGRAPHIC

Field No. 21 Office No. 6391, 6390,  
6393, 6392,  
6394 & 6395.

---

LOCALITY

State TEXAS

General locality GULF OF MEXICO

Locality MATAGORDA PENINSULA, MATAGORDA I.,  
SAINT JOSEPH ISLAND & MUSTANG ISLAND

194 38

CHIEF OF PARTY

G. C. Mattison

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LIBRARY & ARCHIVES

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DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES

APR. 10 1939

REG. NO.

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.

Field No. 21

REGISTER NO. H- 6390 H6390

State TEXAS

General locality GULF OF MEXICO  
OUTER COAST OF

Locality OFF MATAGORDA PENINSULA

Scale 1 : 20,000 Date of survey JUNE, 19 38

Vessel Launch FARIS

Chief of Party G. C. Mattison

Surveyed by James N. Jones

Protracted by J. W. Stirni

Soundings penciled by James N. Jones

Soundings in ~~fathoms~~ feet

Plane of reference Mean Low Water

Subdivision of wire dragged areas by \*\*\*

Inked by G. B. Littlepage

Verified by do

Instructions dated Feb. 17, 1937 ; Feb. 23, 1938, ~~by~~

Remarks: \_\_\_\_\_

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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.

Field No. 22

REGISTER NO. 6391 H 6391

State TEXAS

General locality Gulf of Mexico  
~~MATAGORDA PENINSULA~~

Locality EAST OF PASS CAVALLO

Scale 1:20,000 Date of survey MAY - JUNE, 1938

Vessel Launch FARIS

Chief of Party G. C. Mattison

Surveyed by James N. Jones

Protracted by J. W. Stirni

Soundings penciled by J. W. Stirni

Soundings in ~~fathoms~~ feet

Plane of reference M. L. W.

Subdivision of wire dragged areas by --

Inked by J. A. McCormick

Verified by J. A. McCormick

Instructions dated Feb. 17, 1937 -- Feb. 23, 1938

Remarks: \_\_\_\_\_

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

REG. NO.

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. 23

REGISTER NO. 6392      H 6392

State TEXAS

General locality Gulf of Mexico  
~~MATAGORDA ISLAND~~

Locality WEST OF PASS CAVALLO

Scale 1:20,000      Date of survey JULY, 1938

Vessel Launch FARIS

Chief of Party G. C. Mattison

Surveyed by James N. Jones

Protracted by James N. Jones

Soundings penciled by James N. Jones

Soundings in ~~UNKNOWN~~ feet

Plane of reference M. L. W.

Subdivision of wire dragged areas by

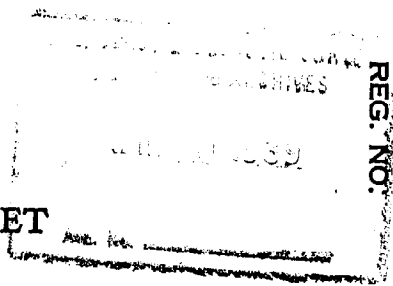
Inked by J. F. Richardson

Verified by do.

Instructions dated Feb 17, 1937 -- Feb. 23, 1938

Remarks:

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.

Field No. 24

REGISTER NO. 6393 H6393

State TEXAS

General locality ~~MATAGORDA BAY~~ GULF OF MEXICO

Locality OUTER COAST OF MATAGORDA ISLAND

Scale 1:20,000 Date of survey July, 1938

Vessel Launch FARIS

Chief of Party G. C. Mattison

Surveyed by James N. Jones

Protracted by J. W. Stirni

Soundings penciled by J. W. Stirni

Soundings in ~~English~~ feet

Plane of reference M. L. W.

Subdivision of wire dragged areas by \_\_\_\_\_

Inked by J. F. Richardson

Verified by da.

Instructions dated Feb 17, 1937 -- Feb. 23, 1938

Remarks: \_\_\_\_\_

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

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APR 21 1939

REG. NO.

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.

Field No. 25

REGISTER NO. 6394 H 6394

State TEXAS

General locality Gulf of Mexico

Locality Outer coast of Saint Joseph Island

Scale 1:20,000 Date of survey August, 1938

Vessel Lamoh PARIS

Chief of Party G. C. Mattison

Surveyed by James N. Jones

Protracted by James N. Jones

Soundings penciled by James N. Jones

Soundings in ~~100000~~ feet

Plane of reference M. L. W.

Subdivision of wire dragged areas by

Inked by J. F. Richardson

Verified by do

Instructions dated Feb. 17, 1937 -- Feb. 23, 1938

Remarks:

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES  
APR 21 1939  
REG. NO.  
Acc. No.

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.

Field No. 26

REGISTER NO. H-6395 H 6395

State TEXAS

General locality GULF OF MEXICO

Locality ARANSAS PASS AND SOUTH TO CORPUS CHRISTI PASS

Scale 1 : 20,000 Date of survey Aug. to Oct. 1938

Vessel Launch PARIS

Chief of Party G. C. Mattison

Surveyed by J. N. Jones

Protracted by J. N. Jones

Soundings penciled by J. N. Jones

Soundings in ~~XXXXXX~~ feet

Plane of reference Mean Low Water

Subdivision of wire dragged areas by --

Inked by J. F. Richardson

Verified by "

Instructions dated Feb. 17, 1937 ; Feb. 23, 1938 18

Remarks:

Notes by Chief of Party.

The records and sheets have been examined and are ✓  
approved.

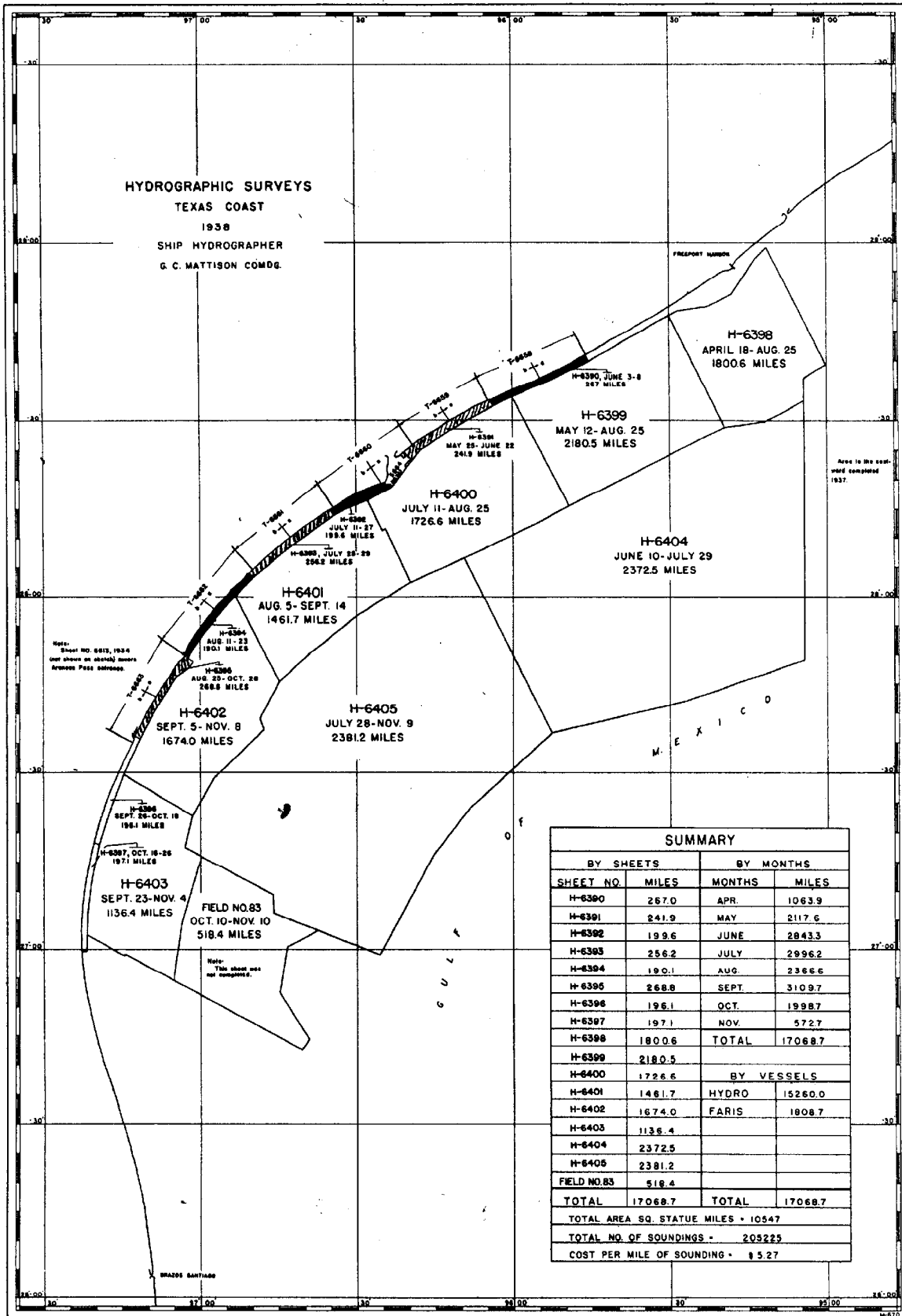
There was very little opportunity to examine the  
records during the field season except after each sheet was com-  
pleted. The boat sheet could then be examined by the chief of ✓  
party upon receipt through the mails. Close contact by radio  
was maintained throughout the field seasons.

The sheets are complete and no additional work is ✓  
necessary.



G. C. Mattison,  
Chief of Party,  
Commanding HYDROGRAPHER.





**HYDROGRAPHIC SURVEYS**  
**TEXAS COAST**  
 1938  
 SHIP HYDROGRAPHER  
 G. C. MATTISON COMDR.

FREEPORT HARBOR

H-6398  
 APRIL 18- AUG. 25  
 1800.6 MILES

H-6399  
 MAY 12- AUG. 25  
 2180.5 MILES

H-6400  
 JULY 11- AUG. 25  
 1726.6 MILES

H-6404  
 JUNE 10- JULY 29  
 2372.5 MILES

H-6401  
 AUG. 5- SEPT. 14  
 1461.7 MILES

H-6405  
 JULY 28- NOV. 9  
 2381.2 MILES

H-6402  
 SEPT. 5- NOV. 8  
 1674.0 MILES

H-6403  
 SEPT. 23- NOV. 4  
 1136.4 MILES

FIELD NO. 83  
 OCT. 10- NOV. 10  
 518.4 MILES

M E X I C O

SUMMARY			
BY SHEETS		BY MONTHS	
SHEET NO.	MILES	MONTHS	MILES
H-6390	267.0	APR.	1063.9
H-6391	241.9	MAY	2117.6
H-6392	199.6	JUNE	2843.3
H-6393	256.2	JULY	2996.2
H-6394	190.1	AUG.	2366.6
H-6395	268.8	SEPT.	3109.7
H-6396	196.1	OCT.	1998.7
H-6397	197.1	NOV.	572.7
H-6398	1800.6	TOTAL	17068.7
H-6399	2180.5		
H-6400	1726.6		
BY VESSELS			
H-6401	1461.7	HYDRO	15260.0
H-6402	1674.0	FARIS	1808.7
H-6403	1136.4		
H-6404	2372.5		
H-6405	2381.2		
FIELD NO. 83	518.4		
TOTAL	17068.7	TOTAL	17068.7
TOTAL AREA SQ. STATUE MILES = 10547			
TOTAL NO. OF SOUNDINGS = 205225			
COST PER MILE OF SOUNDING = \$ 5.27			

Note: Sheet NO. 8012, 1934  
 and sheets on adjacent covers  
 show Pass address.

Note: This sheet was  
 not completed.

BRADDOE BARTHOLOMEW

## DESCRIPTIVE REPORT

### TO ACCOMPANY HYDROGRAPHIC SHEETS

Nos. 6390, 6391, 6392, 6393, 6394, 6395

#### DATE OF INSTRUCTIONS:

These surveys were made in accordance with instructions for Project 214 dated February 17, 1937, Supplemental Instructions dated February 23, 1938, and Director's letter dated July 2, 1938.

#### GENERAL STATEMENT:

These surveys cover the area between the shoreline and the five fathom curve along the coast of Matagorda Peninsula, Matagorda Island, St Joseph Island, and Mustang Island, and are continuous except at the junctions with Sheet H-5864 at Pass Cavallo and Sheet H-5613 at Aransas Pass.

#### SURVEY METHODS:

The Launch FARIS was used for all soundings with the exception of a small area on Sheet 6392 which was sounded out by port launch of the HYDROGRAPHER. The FARIS (twin screw) was run at a speed from 3 to 5 knots depending on the depth and weather. One engine was used while sounding, which accounts for the occasionally large turning radius; there is also a considerable discrepancy between the courses made good when the opposite engine was used.

All soundings were taken with a hand lead, using an 8 to 12 pound lead. Lead lines were checked often and no correction was necessary.

Sounding lines were located by three point sextant fixes on shore objects located by topography or recovered triangulation stations.

The inshore line was run as close to the outer line of breakers as was practicable, which was usually about 9 feet or about 60 or

70 meters off the breakers. The limit of the breakers was plotted by the hydrographer on the boat sheet, and represents average conditions. There is generally two lines of breakers apparently on shifting sand bars with a little deeper water between them.

On sheets 6390 and 6391 the line of breakers seemed to be on bars covered about 6 feet; on the remaining sheets it was apparently a little deeper.

DISCREPANCIES:

There are a number of recorded errors in time in the sounding records which were corrected at once or which have been adjusted in smooth plotting. This was largely due to inexperienced recorders. An automatic sounding clock was used throughout so the soundings were always evenly spaced. The time intervals occasionally do not check as well as could be desired but this is largely due to changing currents and the fact that the launch lost considerable way when running into a sea or rolling.

The crossings are uniformly good and the junctions with adjacent sheets are satisfactory.

DANGERS:

Except for the shoal water near the beach there are no dangers in the area covered by these surveys.

The wrecks charted in the vicinity of Aransas Pass in the area covered by Sheet 6395 were not found. These wrecks are as follows:

1. Lat.  $27^{\circ} 48.0'$ , Long.  $97^{\circ} 01.9'$  charted as "covered 38' at M.L.W.". This wreck was not found and the least depth in this vicinity was 39'. This wreck has no doubt been destroyed or has sunk in the sand.

83

25

2. Lat.  $27^{\circ} 49.8'$ , Long  $97^{\circ} 02.4'$  charted as "covered 1' at M.L.W.". This wreck was not found and has apparently broken up and washed on the beach. The bottom was visible when investigation was made in this vicinity. ✓

3. Lat  $27^{\circ} 51.2'$ , Long.  $97^{\circ} 02.0'$  charted as "covered 8' at M.L.W.". This wreck was not found and has apparently broken up or been removed. The bottom was visible when investigation was made in this vicinity. ✓

These wrecks should be expunged from the chart. ✓

#### CHANNELS:

Pass Cavello is located between Sheets 6391 and 6392. The pass proper is not covered by these surveys. A photostat of Sheet H-5864 (1935) was used as a chart by the Launch FARIS for entering this pass and the best water as shown on this survey was checked on six different occasions during April and May 1938. The channel used was from the present position of the entrance buoy (Lat.  $28^{\circ} 19.25'$ , Long.  $96^{\circ} 23.35'$ ) on a course of  $350^{\circ}$  true to the deeper water inside the bar. A least depth of 9 feet was found on the bar. These soundings were not recorded, but indicate that no considerable change has occurred in this vicinity except the shoaling in the vicinity of Lat.  $28^{\circ} 19.4'$  and Long.  $96^{\circ} 24.25'$ . The limiting line of breakers at the time of the present survey is shown on the smooth sheet. ✓

Aransas Pass is located between the junctions of Sheets 6394 and 6395 with Sheet H-5613 (1934). The shoulders on both sides of the channel at the entrance was resurveyed on Sheet 6395 as well as most of the area south of the jetties covered by Sheet H-5613 (1934) due to the shoaling discovered. The channel to Aransas Pass is maintained by the ✓

U. S. E. D. by frequent dredging and is well marked. The present survey makes a satisfactory junction with the previous survey.

The Colorado River discharges directly into the Gulf through a dredged channel across Matagorda Peninsula. The entrance to this channel was obstructed by logs and driftwood and was cut off by breakers in a light swell at the time of the present survey (Sheet #6390).

Green's Bayou entrance was obstructed by sand bars bare at M.L.W. Small fishing boats sometimes used this channel in fine weather and at high water, but the channel is generally closed and is unimportant. (Sheet 6391).

Corpus Christi Pass was completely closed during the time of these surveys. A county dredge was operating at the Corpus Christi Bay side of this pass during the latter part of 1938 and a 20' x 4' channel was contemplated into the gulf.

**ANCHORAGES:**

There are no anchorages in the area covered by these surveys.

**GEOGRAPHIC NAMES:**

No new names have been used on these sheets.

**COMPARISON WITH PREVIOUS SURVEYS:**

With the exception of Sheets 5613 and 5864 the present surveys should supercede previous surveys for charting purposes. The agreement with the previous surveys is in general good. No dangers are shown on previous surveys which have not been investigated.

The junctions with Sheets 5613 and 5864 except as previously noted are good.

On previous surveys the depths are a little greater than the present surveys but the difference is small.

Sheet 6390 makes a satisfactory junction with Sheet No. 23<sup>H-6315</sup>  
(field number) 1937. These surveys make a satisfactory junction with  
Sheets 6399, 6400, 6401, and 6402 of the Ship HYDROGRAPHER, 1938.

The junction between Sheets 6395 and 6396 is good. ✓

STATISTICS:

Sheet No.	Volumes	Stat. Miles of Soundings	No. of Soundings	No. of Positions.
6390	3	267.0	5192	677
6391	3	241.9	4686	636
6392	3	199.6	3992	556
6393	3	256.2	5286	667
6394	2	190.5	3820	496
6395	3	268.8	5731	790

A tidal note is appended.

Respectfully submitted,

*James N. Jones*

James N. Jones, Jr. H. & G. Eng.,  
U. S. Coast and Geodetic Survey.

Approved and forwarded:

*G. C. Mattison*

G. C. Mattison,  
Chief of Party,  
Commanding HYDROGRAPHER.

## Verification Report of H-6390

- 1- Condition of Records ✓  
Satisfactory
- 2- Shoreline and Signals ✓  
Originate from T-6658, T-6612 and T-6659  
Triangulation station located at Lat.  $28^{\circ}40'08.86''$   
Long.  $95^{\circ}48'48.92''$ , plotted as Chimney Kain House 1934,  
changed to House 1934. From field computations  
it is a House chimney.
3. Sounding line crossings ✓  
Satisfactory
4. Depth curves ✓  
Complete depth curves are shown
5. Junctions ✓  
See Rev., pp. 4
6. Aids to navigation ✓  
There are no aids to navigation on this sheet. See Rev. pp. 6, 6
7. Field plotting ✓  
Satisfactory

August 29, 1939

Submitted by  
A. H. Littlepage

Field Records Section (Charts)

**H6390**

HYDROGRAPHIC SHEET NO. ....

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

Number of positions on sheet	.677.
Number of positions checked	..17.
Number of positions revised	..1...
Number of soundings recorded	51.92
Number of soundings revised	..32...
Number of soundings erroneously spaced	13
Number of signals erroneously plotted or transferred	—

Date: *Aug. 29, 1939*

Verification by *G. B. Littlepage*  
" *H. W. Murray + H. R. Edmondson*

Review by *H. W. Murray*

Time: *27 hrs*  
*10 hrs* } *37*  
Time: *3½ hrs.*



HYDROGRAPHIC SURVEY NO. M-6390

Smooth Sheet Yes

Boat Sheet Yes

Records; Sounding 3 Vols., Wire Drag      Vols., Bomb      Vols.

Descriptive Report Yes (Covers M-6390 to M-6395)

Title Sheet Yes

List of Signals Vol.#1

Landmarks for Charts (Form 567) None

Statistics See Page #5 of D.R.

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524) ---

Special Chart for Lighthouse Service None  
(Circular Nov.30, 1933)

Hydrography: Total Days 5 ; Last Date June 8, 1938

Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# GEOGRAPHIC NAMES

Survey No. H-6390

Name on Survey	Source										
	A	B	C	D	E	F	G	H	K		
<u>Matagorda Peninsula</u>	✓										1
<u>Gulfof Mexico</u>	✓										2
<u>Colorado River</u>	✓										3
											4
											5
											6
											7
											8
											9
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<div style="border: 1px solid black; padding: 5px; display: inline-block;">                     Names underlined in red approved                      by <u>JHE</u> on 7/25/39                 </div>											24
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											27

Remarks

Decisions

	Remarks	Decisions
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Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **H6391** .....

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

Number of positions on sheet	..... <sup>636</sup> <del>4486</del>
Number of positions checked	.....6
Number of positions revised	.....0
Number of soundings recorded	..4686
Number of soundings revised	.....18
Number of soundings erroneously spaced	.....10
Number of signals erroneously plotted or transferred	.....0

Date: Oct. 27, 1939

Verification by } J.A.M. Cormick  
Review by

Time: 20 hr.

Time: 2 hr.

HYDROGRAPHIC SURVEY NO. M-6391

Smooth Sheet Yes

Boat Shoet Yes

Records; Sounding 3 Vols., Wire Drag     Vols., Bomb     Vols.

Descriptive Report Same as for M-6390

Title Sheet Yes

List of Signals Vol.#1

Landmarks for Charts (Form 567) None

Statistics See Page #5 of D.R.

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524) ---

Special Chart for Lighthouse Service Yes  
(Circular Nov.30, 1933)

Hydrography: Total Days 7; Last Date June 22, 1938

Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Remarks

Decisions

	Remarks	Decisions
1		
2		
3	<i>Bayou closed (T5352)</i>	
4	<i>USGB decision</i>	
5	<i>USGB decision</i>	
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M 234		

GEOGRAPHIC NAMES

Survey No. **H-6391**

Name on Survey	Source										
	A.	B.	C.	D.	E.	F.	G.	H.	K.		
	On Chart No. 1284	On previous survey No.	On U. S. Quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List			
<u>Matagorda Peninsula</u>	✓										1
<u>Gulf of Mexico</u>	✓										2
<del>Greens Bayou</del>											3
<u>Decros Point</u>	✓										4
<u>Pass Cavallo</u>	✓										5
											6
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	Names underlined in red approved										23
	by <i>JHE</i> on 7/25/39										24
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## Verification Report H-6392 (1938)

1. Condition of records - Satisfactory.
2. Shoreline and signals from T-5045 (1935) and G.C. surveys T-6660~~ab~~ (1938). The breakers were plotted on the boat sheet by the hydrographer. The low water line was changed from a broken line to a dotted line by the verifier.
3. Sounding line crossings - Satisfactory.
4. Depth Curves - The 12, 18 and 30 foot depth curves are shown.
5. Junctions - a satisfactory junction was made with H-6400 (1938) on H-6392 (1938). a satisfactory junction was made with H-6393 (1938) on H-6393 (1938). Mr. Edmonston advised that no junction should be made with H-5864 (1934-35) on <sup>H-6401 (1938) which joins this survey,</sup> the south east has not been verified.
6. Field plotting satisfactory - one position was revised by the verifier.
7. One aid to navigation appears on the survey and its position was revised to conform to the position given on page 11 Tab. 3. Bury is located at Lat.  $28^{\circ}19'15''$  and Long.  $96^{\circ}23'20''$ .
8. Remarks - Two V.C., for fathometer comparisons, were taken but were not inked on the survey because the survey was done by lead line.

Signed  
Geo. J. Richardson



Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **H6392**

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

Number of positions on sheet	<b>556.</b>
Number of positions checked	<b>11</b> .....
Number of positions revised	<b>1</b> .....
Number of soundings recorded	<b>3992</b> .....
Number of soundings revised	<b>8</b> .....
Number of soundings erroneously spaced	<b>12</b> .....
Number of signals erroneously plotted or transferred	<b>None</b> .....

Date: **Dec. 18, 1939**

Verification by **J.F. Richardson**

Time: **28** hr.

Review by **J.A.M. Cormick 12/22/39**

Time: **6** hr.

HYDROGRAPHIC SURVEY NO. M-6392

Smooth Sheet Yes

Boat Shoet Yes

Records; Sounding 3 Vols., Wire Drag      Vols., Bomb      Vols.

Descriptive Report X Same as for M-6390

Title Sheet Yes

List of Signals Page #1

Landmarks for Charts (Form 567) None

Statistics Page #5 of D.R.

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524) ---

Special Chart for Lighthouse Service Yes  
(Circular Nov.30, 1933)

Hydrography: Total Days 5 ; Last Date July 27, 1938

Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Remarks

Decisions

	Remarks	Decisions
1	<i>USGB decision</i>	
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GEOGRAPHIC NAMES  
 Survey No. **M-6392**

Name on Survey	Sources											
	A	B	C	D	E	F	G	H	K			
<u>Pass Cavallo</u>	✓											1
<u>Gulf of Mexico</u>	✓											2
<u>Matagorda Island</u>	✓											3
												4
												5
												6
												7
												8
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Names underlined in red approved											22	
by <i>JHE</i> on 7/25/39											23	
												24
												25
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## Verification Report of H-6393(1938)

1. Condition of records - Satisfactory.
2. Shoreline and signal - from H. C. survey T. 6661a+b(1938), T. 6662a(1938) and T. 6660b(1938). The breakers were platted on the boat sheet by the hydrographer. The low water line was changed from a broken to a dotted line by the verifier.
3. Sounding line crossings - all satisfactory with the exception of the cross line at lat.  $28^{\circ}10'55''$  and long.  $96^{\circ}41'15''$  between positions 8c and 9c where a difference of 3 feet occurs. Acceptable.  
No comment  
in review.
4. Depth curves - the 12, 18 and 30 foot depth curves are shown.
5. Junctions.  
no surveys with the exception of H-6394(1938) which join H-6393(1938) have been verified. a satisfactory junction with H-6394(1938) was made on H-6394(1938).
6. There are no aids to navigation on this survey.
7. Field plotting - satisfactory. ✓
8. Remarks  
Five vertical casts <sup>for fathometer comparisons</sup> were taken by the field party but were not inked on the survey because the survey was done by lead-line.

Signed

Gas. J. Richardson

Field Records Section (Charts)

**H6393**  
HYDROGRAPHIC SHEET NO. ....

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

Number of positions on sheet	667.
Number of positions checked	9
Number of positions revised	.....
Number of soundings recorded	5286
Number of soundings revised	27
Number of soundings erroneously spaced	15
Number of signals erroneously plotted or transferred	.....

Date: *Nov. 2, 1939*

Verification by *J.F. Richardson*  
*H.C. Holmes*

Time: *29*  
*2 3/4*

Review by *J.A. McCormick* *11/24/39*

Time: *7 hr.*

HYDROGRAPHIC SURVEY NO. K-6393

Smooth Sheet Yes

Boat Shoet Yes

Records; Sounding 3 Vols., Wire Drag      Vols., Bomb      Vols.

Descriptive Report Same one as for K-6390

Title Sheet Yes

List of Signals Vol.#1

Landmarks for Charts (Form 567) None

Statistics Page #5 of D.R.

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524) ----

Special Chart for Lighthouse Service None  
(Circular Nov.30, 1933)

Hydrography: Total Days 5; Last Date July 29, 1938

Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Remarks

Decisions

	Remarks	Decisions
1		
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3	<i>Closed on Gulf side T5397</i>	
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GEOGRAPHIC NAMES

Survey No. H-6393

Name on Survey	Source											
	A	B	C	D	E	F	G	H	K			
<u>Matagorda Island</u>	✓											1
<u>Gulf of Mexico</u>	✓											2
<del>Cedar Bayou</del>	✓											3
												4
												5
												6
												7
												8
												9
												10
												11
												12
												13
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												17
												18
												19
												20
												21
	Names underlined in red approved											
	by <u>GHF</u> on 7/25/39											
												22
												23
												24
												25
												26
												27

## Verification Report of H-6394

### 1. Conditions of Records

Satisfactory.

### 2. Shoreline and Signals - from G.C. Survey T-6662A + B (1938). The breakers were plotted on the boat sheet by the hydrographer.

The low water line was changed from a broken line to a dotted line by the verifier.

### 3. Sounding line crossings.

Satisfactory.

### 4. Depth Curves.

Complete depth curves are shown. No G or D.

### 5. Junctions.

no surveys with the exception of H-5613 (1934) which join H-6394 (1938) have been verified. a butt junction was made with H-5613 (1934) on this survey because Mr. Edmonston decided H-5613 (1934) was too old to join otherwise.

### 6. aids to navigation

There are no aids to navigation on this survey.

### 7. Field plotting

Satisfactory.

### 8. Remarks

Two V.C. were taken by the field party but were not inked on the survey because the survey was done by lead-line.

Signed

Jas. I. Richardson

Field Records Section (Charts)

**H6394**

HYDROGRAPHIC SHEET NO. ....

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

Number of positions on sheet	496. .....
Number of positions checked	40. .....
Number of positions revised	— .....
Number of soundings recorded	3820. .....
Number of soundings revised	15. .....
Number of soundings erroneously spaced	10. .....
Number of signals erroneously plotted or transferred	— .....

Date: *Oct. 24, 1939*

Verification by *J.F. Richardson*

Time: *3/*

Review by *J.A. McCormick 10/27/39*

Time: *3 hr.*

HYDROGRAPHIC SURVEY NO. M-6394

Smooth Sheet Yes

Boat Sheet Yes

Records; Sounding 2 Vols., Wire Drag      Vols., Bomb      Vols.

Descriptive Report Same one as for M-6390

Title Sheet Yes

List of Signals Vol. #1

Landmarks for Charts (Form 567) None

Statistics Page #5 of D.R.

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524) -----

Special Chart for Lighthouse Service None  
(Circular Nov.30, 1933)

Hydrography: Total Days 5; Last Date Aug. 23, 1938

Remarks \_\_\_\_\_  
\_\_\_\_\_  
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Remarks

Decisions

	Remarks	Decisions
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M 234		

# GEOGRAPHIC NAMES

Survey No. H-6394

Name on Survey	Source										
	A, On Chart No. 1285	B, On previous survey No.	C, On U. S. quadrangle Maps	D, From local information	E, On local Maps	F, P. O. Guide or Map	G, Rand McNally Atlas	H, U. S. Light List	K		
<u>St. Joseph Island</u>	St Joseph I										1
<u>Gulf of Mexico</u>	✓										2
											3
											4
											5
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											7
											8
											9
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											20
	Names underlined in red approved										21
	by <u>LFE</u> on 7/25/39										22
											23
											24
											25
											26
											27

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **H6395**

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

Number of positions on sheet	<b>790</b> .....
Number of positions checked	<b>10</b> .....
Number of positions revised	<b>1</b> .....
Number of soundings recorded	<b>5731</b> .....
Number of soundings revised	<b>50</b> .....
Number of soundings erroneously spaced	<b>20</b> .....
Number of signals erroneously plotted or transferred	<b>None</b> .....

Date: **Dec. 4, 1939**

Verification by **J.F. Richardson**

Time: **33 hrs.**

Review by **J.A. Mc Cormick** 12/8/39

Time: **14 hrs.**

HYDROGRAPHIC SURVEY NO. M-6395

Smooth Sheet Yes

Boat Sheet Yes

Records; Sounding 3 Vols., Wire Drag     Vols., Bomb     Vols.

Descriptive Report Same one as for M-6390

Title Sheet Yes

List of Signals Vol. #1

Landmarks for Charts (Form 567) None

Statistics Page #5 of D.R.

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524) ---

Special Chart for Lighthouse Service Yes  
(Circular Nov.30, 1933)

Hydrography: Total Days 7; Last Date Oct. 28, 1938

Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# Verification Report H-6395(1938)

1. Condition of records - Satisfactory
2. Shoreline and signals from G. C. surveys T-6229(1934) and H-6663a+b(1938). The breakers were plotted on the boat sheet by the hydrographers. The low water line was changed from a broken to a dotted line by the Verifier. The shoreline north of Arkansas Pass was put in by the Verifier. Not mentioned in review
3. Sounding line crossings - Satisfactory.
4. Depth curves - the 12, 18 and 30 foot depth curves are shown.
5. Junctions - a butt junction with H-5613(1934) was made on H-6395(1938). A satisfactory junction with H-6396(1938) was made on H-6395(1938). H-6402(1938) which joins this H-6402 is satisfactory survey on the east has not been verified.
6. Field plotting - satisfactory. One position was revised by the Verifier.
7. The aids to navigation were plotted satisfactory, with the exception of "Entrance buoy - black Can #1" at lat.  $27^{\circ}49'45''$  and long.  $97^{\circ}01'58''$  which was replotted by the Verifier using the position given in sounding Vol. 3, page 52.
8. Remarks - The reviewer's attention is called to the fact that none of the wrecks 1934 previously located in the area were found.

Signed  
Jas. J. Richardson

Remarks

Decisions

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4	<i>Do not ink</i>	
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M 234		

GEOGRAPHIC NAMES

Survey No. **H-6395**

Name on Survey	Source											
	A	B	C	D	E	F	G	H	K			
<u>Aransas Pass</u>	✓											1
<u>Mustang Island</u>	✓											2
<u>Gulf of Mexico</u>	✓											3
<u>Port Aransas</u>	✓											4
<u>Corpus Christi Pass</u>	✓											5
												6
												7
												8
												9
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												15
												16
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												18
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												22
	Names underlined in red approved										23	
	by. <u>GHE</u> on <u>7/25/39</u>										24	
												25
												26
												27

rac

TIDE NOTE FOR HYDROGRAPHIC SHEET

May 5, 1939.

Division of Hydrography and Topography:

✓ Division of Charts: Attention: Mr. E. P. Ellis

Plane of reference approved in  
3 volumes of sounding records for

HYDROGRAPHIC SHEET 6390

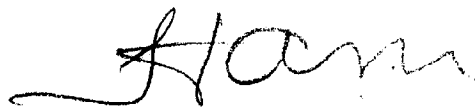
Locality Outer Coast of Matagorda Peninsula, Texas Coast

Chief of Party: G. C. Mattison in 1938

Plane of reference is mean low water reading  
2.2ft. on tide staff at Port Aransas (See H 6395)  
5.0ft. below B. M. 1

Height of mean high water above plane of reference is 1.1 ft.

Condition of records satisfactory except as noted below:

  
Acting Chief, Division of Tides and Currents.

TIDE NOTE FOR HYDROGRAPHIC SHEET

Division of Hydrography and Topography:

May 5, 1939.

✓ Division of Charts: Attention: Mr. E. P. Ellis

Plane of reference approved in  
3 volumes of sounding records for

HYDROGRAPHIC SHEET 6391

Locality East of Pass Cavallo, Texas Coast

Chief of Party: G. C. Mattison in 1938  
Plane of reference is mean low water reading  
2.2 ft. on tide staff at Port Aransas (see H 6395)  
5.0 ft. below B. M. 1

Height of mean high water above plane of reference is 1.1 feet.

Condition of records satisfactory except as noted below:



Acting Chief, Division of Tides and Currents.

TIDE NOTE FOR HYDROGRAPHIC SHEET

Division of Hydrography and Topography:

May 5, 1939.

✓ Division of Charts: Attention: Mr. E. P. Ellis

Plane of reference approved in  
3 volumes of sounding records for

HYDROGRAPHIC SHEET 6392

Locality West of Pass Cavallo, Texas Coast

Chief of Party: G. C. Mattison in 1938  
Plane of reference is mean low water reading  
2.2 ft. on tide staff at Port Aransas (see H 6395)  
5.0 ft. below B. M. 1

Height of mean high water above plane of reference is 1.1 feet.

Condition of records satisfactory except as noted below:



Acting Chief, Division of Tides and Currents.

## TIDE NOTE FOR HYDROGRAPHIC SHEET

Division of Hydrography and Topography:

May 5, 1939

✓ Division of Charts: Attention: Mr. E. P. Ellis

Plane of reference approved in  
3 volumes of sounding records for

HYDROGRAPHIC SHEET 6393

Locality Outer Coast of Matagorda Island, Texas Coast

Chief of Party: G. C. Mattison in 1938

Plane of reference is mean low water reading

2.2 ft. on tide staff at Port Aransas (see H 6395)

5.0 ft. below B. M. 1

Height of mean high water above plane of reference is 1.1 ft.

Condition of records satisfactory except as noted below:



Acting Chief, Division of Tides and Currents.

## TIDE NOTE FOR HYDROGRAPHIC SHEET

Division of Hydrography and Topography:

May 5, 1939

✓ Division of Charts: Attention: Mr. E. P. Ellis

Plane of reference approved in  
2 volumes of sounding records for

HYDROGRAPHIC SHEET 6394

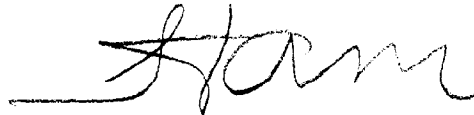
Locality Outer Coast of St. Josephs Island, Texas Coast

Chief of Party: G. C. Mattison in 1938

Plane of reference is mean low water reading  
2.2 ft. on tide staff at Port Aransas (see 46395)  
5.0 ft. below B. M. 1

Height of mean high water above plane of reference is 1.1 ft.

Condition of records satisfactory except as noted below:



Acting Chief, Division of Tides and Currents.



## TIDE NOTE FOR HYDROGRAPHIC SHEET

Division of Hydrography and Topography:

May 5, 1939.

✓ Division of Charts: Attention: Mr. E. P. Ellis

Plane of reference approved in  
3 volumes of sounding records for

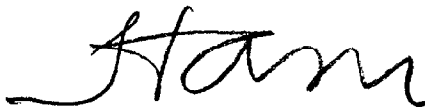
### HYDROGRAPHIC SHEET 6395

Locality Aransas Pass to Corpus Christi Pass, Texas Coast.

Chief of Party: G. C. Mattison in 1938  
Plane of reference is mean low water reading  
2.2 ft. on tide staff at Port Aransas  
5.0 ft. below B. M. 1

Height of mean high water above plane of reference is 1.1 feet.

Condition of records satisfactory except as noted below:



Acting Chief, Division of Tides and Currents.

# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY DESCRIPTIVE REPORT <del>PHOTOSTATIC</del>	}	No.	E-6390, I-6391 H-6392, I-6393 I-6394, I-6395 <del>No. 6396</del>	{ received April 21, 1939 registered April 27, 1939 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	✓	HBC	Pages 2, 3 and 4
26			
30			
40			
62			
63			
82			
83	✓	R.F.S.	Pages 2 and 3
88			
90			

RETURN TO

82	T. B. Reed
----	------------

✓ HBC

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6390 (1938) FIELD NO. 21

Outer Coast of Matagorda Peninsula, Gulf of Mexico, Texas.  
Surveyed in June 1938, Scale 1:20,000  
Instructions dated February 17, 1937 and February 23,  
1938 (HYDROGRAPHER).

Hand Lead Soundings.                      3 Point fixes on shore signals.

Chief of Party - G. C. Mattison.  
Surveyed by - James N. Jones.  
Protracted by - J. W. Stirni.  
Soundings plotted by - J. N. Jones.  
Verified and inked by - G. B. Littlepage.

1. Shoreline and Signals.

The shoreline and signals originate with Graphic Control sheets: T-6612 (1937), T-6658 (1938) and T-6659 (1938). Shoreline changes subsequent to the air photo compilations T-5353 (1933) and T-5359 (1933) necessitates the use of the above mentioned Graphic Control surveys.

2. Sounding Line Crossings.

Agreement of sounding line crossings is satisfactory.

3. Depth Curves.

The usual depth curves may be satisfactorily drawn.

4. Junctions with Contemporary Surveys.

- a. The junctions on the east with H-6315 (1937), and on the south and southeast with H-6399 (1938) are very satisfactory.
- b. The junctions on the west with H-6391 (1938) and on the south and southwest with H-6400 (1938) will be considered in the reviews of those surveys.

5. Comparison with Prior Surveys.

H-1427a (1879), 1:40,000.

A portion of this survey covers the entire area of the present survey. The hydrography is sparse, consisting mainly of sounding lines spaced about one mile apart running normal to the shoreline and supplemented by one line paralleling the shoreline in the vicinity of the 18 foot curve.

The shoreline at the western limit is in good agreement. Eastward of this area a recession of 50 to 100 m. is noted. In long.  $95^{\circ}59'$ , the Colorado River (inlet to Matagorda Bay, one mile northward) shown on the present survey is a very recent feature and is subsequent to the information shown on T-5359 (1933). (See par. 1, this review).

Agreement of depths near the shoreline is good, but offshoreward a small deepening of 1 to 3 feet is noted. These small changes are emphasized by the fact that the 18 foot curve in the middle and eastern portions of the present survey has receded 50 to 100 meters. The 30 foot curve has also receded 150 to 575 meters, the larger difference being noted in long.  $95^{\circ}51'$ .

Because of the changes noted, the present survey should supersede this survey.

6. Comparison with Chart 1283 (New Print dated April 11, 1938)  
Chart 1284 (New Print dated April 14, 1939)

a. Hydrography.

Hydrography shown on the charts originate with surveys discussed in previous paragraphs, and no further discussion is necessary.

b. Aids to Navigation.

The charted light in long.  $95^{\circ}59'$  was not verified by the present survey as it was established after the survey was made. A note on the present survey here states that the channel just east of the light is blocked by logs and driftwood.

7. Condition of Survey.

- a. The sounding records are satisfactory.
- b. The descriptive report is satisfactory.
- c. The field plotting is satisfactory.
- d. According to information in the field computations, the triangulation station House 1934 (lat.  $28^{\circ}40'$ , long.  $95^{\circ}49'$ ) is the chimney on the house.

8. Compliance with Instructions for the Project.

Satisfactory.

9. Additional Field Work Recommended.

None.

10. Superseded Surveys.

H-1427a (1879) In part.

11. Reviewed by Harold W. Murray, August 30, 1939.

Inspected by H. R. Edmonston, August 31, 1939.

Examined and approved:



T. B. Reed,  
Chief, Section of Field Records.



Chief, Division of Charts.



Chief, Section of Field Work.



Chief, Division of H. & T.

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6391 (1938) FIELD NO. 22

East of Pass Cavallo, Gulf of Mexico, Texas.

Surveyed in May-June, 1938, Scale 1:20,000.

Instructions dated Feb. 17, 1937; Feb. 23, 1938 (HYDROGRAPHER).

Hand Lead Soundings.

3 Point fixes on shore signals.

Chief of Party - G. C. Mattison

Surveyed by - J. N. Jones

Protracted by - J. W. Stirni

Soundings plotted by - J. W. Stirni

Verified and inked by - J. A. McCormick

1. Shoreline and Signals.

Shoreline and topographic signals are from T-6658b, T-6659a and b and T-6660a of 1938.

2. Depth Curves.

Satisfactory.

3. Sounding Line Crossings.

Satisfactory.

4. Junctions with Contemporary Surveys.

Junctions with H-5864 (1934-35) on the southwest and H-6390 (1938) on the northeast are satisfactory. The junction with H-6400 (1938) on the southeast will be considered in the review of that survey.

5. Comparison with Prior Surveys.

H-1427a & b (1879), 1:40,000.

These surveys combine to cover the entire area of the present survey. Development on the old surveys consists of lines parallel to the beach spaced two miles apart, the innermost being approximately on the three fathom curve, and normal lines spaced one mile apart. Agreement of depths is good. The present survey needs no additions from the old surveys and supersedes them in the common area.

6. Comparison with Chart 1284 (New Print of April 14, 1939)

Surveys discussed in the foregoing paragraphs are the sources of information now charted in the area covered by the present survey.

7. Condition of Survey.

Low water line was added from topographic surveys in the office. Field plotting was otherwise satisfactory. The descriptive report and sounding records were satisfactory.

8. Compliance with Instructions for the Project.

Satisfactory.

9. Additional Field Work Recommended.

None.

10. Superseded Surveys.

H-1427a & b in part.

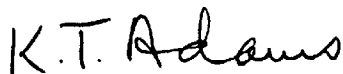
11. Reviewed by - J. A. McCormick, October 27, 1939.

12. Inspected by - H. R. Edmonston.

Examined and Approved:



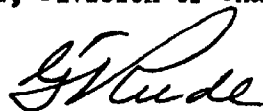
T. B. Reed,  
Chief, Section of Field Records.



Chief, Division of Charts.



Chief, Section of Field Work.



Chief, Division of H. & T.

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6392 (1938) FIELD NO. 23.

Texas, Gulf of Mexico, West of Pass Cavallo.  
Surveyed in July, 1938, Scale 1:20,000.  
Instructions dated Feb. 17, 1937; Feb. 23, 1938 (HYDROGRAPHER).

Hand Lead Soundings.                      3 Point fixes on shore signals.

Chief of Party - G. C. Mattison  
Surveyed by - J. N. Jones  
Protracted by - J. N. Jones  
Soundings plotted by - J. N. Jones  
Verified and inked by - J. F. Richardson  
Reviewed by - J. A. McCormick, December 22, 1939.  
Inspected by - H. R. Edmonston.

1. Shoreline and Signals.

Shoreline and topographic signals are from T-5045 (1933-34) and T-6660b (1938).

2. Depth Curves.

Satisfactory.

3. Sounding Line Crossings.

Satisfactory.

4. Junctions with Contemporary Surveys.

- a. Junctions with H-6393 (1938) on the west and H-6400 (1938) on the southeast are satisfactory. The junction with H-6401 (1938) on the southwest will be considered in the review of that survey.
- b. Overlapping soundings from H-5864 (1934-35) on the east are mostly in good agreement with those on the present survey but there are some differences of 1 to 3 feet in Pass Cavallo which make it necessary to forego the usual transfer of overlapping soundings from one survey to the other. The differences are undoubtedly due to natural changes and the present survey supersedes the overlapping portion of H-5864.

5. Comparison with Prior Surveys.

H-1427b (1879), 1:40,000.

This survey includes the total area covered by the present survey. Development is much more open than that on the present survey, consisting principally of lines normal to the beach at intervals of about one mile. Changes in the



vicinity of Pass Cavallo have been extensive, shoreline and depth curves moving in a northerly direction. West of the Pass, depths are in better agreement than would be expected in view of the seaward movement of 200 to 300 meters in the shoreline. The present survey supersedes the old survey in the common area.

6. Comparison with Chart 1284 (New Print of April 14, 1939).  
Chart 1285 (New Print of February 17, 1938).

a. Hydrography.

Hydrography charted in the area covered by the present survey is from surveys discussed in the foregoing paragraphs.

b. Aids to Navigation.

A location was obtained on the present survey for the bar buoy off Pass Cavallo. This buoy is not charted because it is frequently shifted in position.

7. Condition of Survey.

Satisfactory.


8. Compliance with Instructions for the Project.

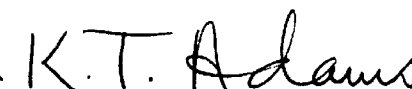
Satisfactory.


9. Additional Field Work Recommended.

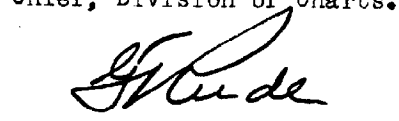
None.

Examined and Approved:

  
T. B. Reed,  
Chief, Section of Field Records.

  
K. T. Adams  
Chief, Division of Charts.

  
Fred L. Peacock  
Chief, Section of Field Work.

  
G. W. de  
Chief, Division of H. & T.

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6393 (1938) FIELD NO. 24

Outer Coast of Matagorda Island, Gulf of Mexico. Texas  
Surveyed in July, 1938, Scale 1:20,000.  
Instructions dated Feb. 17, 1937; Feb. 23, 1938 (HYDROGRAPHER).

Hand Lead Soundings.

3 Point fixes on shore signals.

Chief of Party - G. C. Mattison  
Surveyed by - J. N. Jones  
Protracted by - J. W. Stirni  
Soundings plotted by - J. W. Stirni  
Verified and inked by - J. F. Richardson

1. Shoreline and Signals.

Shoreline and topographic signals are from T-6660b, T-6661a & b and T-6662a of 1938.

2. Depth Curves.

Satisfactory.

3. Sounding Line Crossings.

Satisfactory.

4. Junctions with Contemporary Surveys.

The junction with H-6394 (1938) on the southwest is satisfactory. Junctions with H-6392 (1938) on the northeast and H-6401 (1938) on the southeast will be considered in the reviews of those surveys.

5. Comparison with Prior Surveys.

H-1427b (1879), 1:40,000; H-1464 (1880), 1:40,000.

In the area common to the present survey, the old surveys consist principally of a line of soundings paralleling the beach in the vicinity of the three fathom curve and normal lines at intervals of approximately two miles. Comparison of old and new surveys shows fairly good agreement at the southwest extremity of the common area; thence, the present survey shows a gradual shift seaward of shoreline and depth curves, attaining a maximum of approximately 150 meters at the northeast extremity. The present survey supersedes the old surveys in the common area.

6. Comparison with Chart 1284 (New Print of April 14, 1939)  
Chart 1285 (New Print of Feb. 17, 1938)

Hydrography charted in the area covered by the present survey is from surveys discussed in the foregoing paragraphs.

7. Condition of Survey.

Satisfactory.

8. Compliance with Instructions for the Project.

Satisfactory.

9. Additional Field Work Recommended.

None.

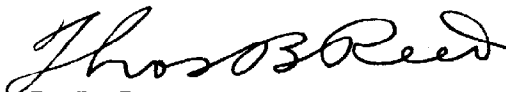
10. Superseded Surveys.


H-1427b in part.  
H-1464 " " .

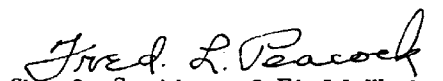
11. Reviewed by - J. A. McCormick, November 24, 1939.

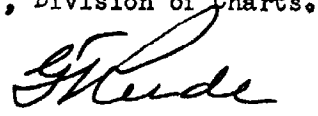
12. Inspected by - H. R. Edmonston.

Examined and Approved:

  
T. B. Reed,  
Chief, Section of Field Records.

  
K. T. Adams  
Chief, Division of Charts.

  
Fred L. Peacock  
Chief, Section of Field Work.

  
G. Heide  
Chief, Division of H. & T.

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6394 (1938) FIELD NO. 25

Saint Joseph Island, Gulf of Mexico, Texas.  
Surveyed in Aug., 1938, Scale 1:20,000.  
Instructions dated Feb. 17, 1937; Feb. 23, 1938 (HYDROGRAPHER).

Hand Lead Soundings.

3 Point fixes on shore signals.

Chief of Party - G. C. Mattison  
Surveyed by - J. N. Jones  
Protracted by - J. N. Jones  
Soundings plotted by - J. N. Jones  
Verified and inked by - J. F. Richardson

1. Shoreline and Signals.

Shoreline and topographic signals are from T-6662a & b (1938).

2. Depth Curves.

Satisfactory.

3. Sounding Line Crossings.

Satisfactory.

4. Junctions with Contemporary Surveys.

The junction with H-5613 (1934) on the southwest is satisfactory. Junctions with H-6393 (1938) on the northeast and with H-6401 and H-6402 of 1938 on the southeast will be considered in the reviews of these surveys.

5. Comparison with Prior Surveys.

H-1464 (1880), 1:40,000; H-1465 (1880), 1:40,000.

These surveys combine to cover the entire area of the present survey. In general, they consist of a single line of soundings parallel to the beach near the eighteen foot curve and crossed by normal lines at intervals of about two miles. Agreement of depths with those on the present survey is fair to good, differences, in general, not exceeding 1 to 2 feet. H-1464 shows a 3 foot channel into Cedar Bayou (lat. 28°04', long. 96°51') whereas the present survey shows no break in the high water line. The present survey is adequate without additions and supersedes the old surveys in the common area.

6. Comparison with Chart 1285 (New Print of Feb. 17, 1938)  
Chart 1286 (New Print of March 3, 1938)

Surveys discussed in the foregoing paragraphs are the sources of information now charted in the area covered by the present survey.

7. Condition of Survey.

Low water line, inked by the field party as a dashed line, was changed to a dotted line in the office to conform with standard practice. Descriptive report and sounding records were satisfactory.

8. Compliance with Instructions for the Project.

Satisfactory.

9. Additional Field Work Recommended.

None.

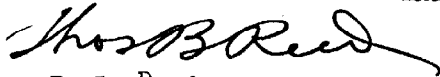
10. Superseded Surveys.

H-1464 in part.  
H-1465 " "

11. Reviewed by - J. A. McCormick, October 27, 1939.

12. Inspected by - H. R. Edmonston.

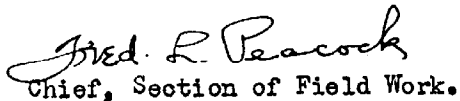
Examined and Approved;



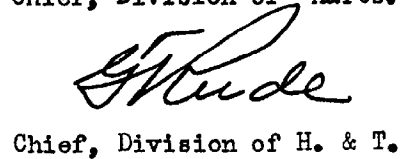
T. B. Reed,  
Chief, Section of Field Records.



K. T. Adams  
Chief, Division of Charts.



Fred. L. Peacock  
Chief, Section of Field Work.



G. W. Hude  
Chief, Division of H. & T.

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6395 (1938) FIELD NO. 26

Aransas Pass to Corpus Christi Pass, Gulf of Mexico. Texas.

Surveyed in Aug.-Oct., 1938, Scale 1:20,000.

Instructions dated Feb. 17, 1937; Feb. 23, 1938 (HYDROGRAPHER)

Hand Lead Soundings.

3 Point fixes on shore signals.

Chief of Party - G. C. Mattison

Surveyed by - J. N. Jones

Protracted by - J. N. Jones

Soundings plotted by - J. N. Jones

Verified and inked by - J. F. Richardson

1. Shoreline and Signals.

Shoreline and topographic signals are from T-6229 (1934) and T-6663a & b (1938).

2. Depth Curves.

Satisfactory.

3. Sounding Line Crossings.

Satisfactory.

4. Junctions with Contemporary Surveys.

a. Junctions with H-6396 (1938) on the south and H-6402 (1938) on the east are satisfactory.

b. The extensive overlap with H-5613 (1934) on the north shows some differences between the two surveys but none of sufficient magnitude to justify superseding the overlapping portion of the older survey. Three wrecks (charted) in the vicinity of Aransas Pass on H-5613 were searched for on the present survey but not found (descriptive report, pages 2 and 3). They have been noted on H-5613 as "Gone in 1938" and should be removed from the charts. Otherwise the two surveys should be used to supplement each other in charting the common area.

5. Comparison with Prior Surveys.

Misc. 8 (1851), 1:20,000; H-386 (1853), 1:10,000; H-996 (1868), 1:10,000; H-1288a & b (1875), 1:10,000; H-1465 (1880), 1:40,000; H-2054 (1891), 1:10,000; H-2374 (1899), 1:10,000.

Most of the above surveys are of the approaches to Aransas Pass and have in large part been superseded by H-5613 (1934). Large changes are confined to the immediate vicinity of the Pass and are caused by dredging and jetty action. South of

Pass, H-1465 (1880) which covers the general coast shows depths which are in good agreement with those on the present survey. Development on H-1465 is very wide, consisting of a single line of soundings near the 18 foot curve crossed by normal lines at intervals of two miles. Corpus Christi Pass shown in approximate lat.  $27^{\circ}36'$  on H-1288b (1875) has had several outlets during the intervening years but at the time of the present survey the latest outlet (lat.  $27^{\circ}39'$ ) was completely closed (descriptive report, page 4). The present survey supersedes the old surveys in the common area.

6. Comparison with Chart 1285 (New Print of Feb. 17, 1938)  
Chart 1286 (New Print of Mar. 3, 1938)

a. Hydrography.

Hydrography charted in the area covered by the present survey is from surveys discussed in the foregoing paragraphs and, in the approaches to Aransas Pass, from U.S. Engineers' B.P. 28971 of 1935. The present survey supersedes the small overlapping portion of the blueprint.

b. Aids to Navigation.

Floating aids outside the jetties were located on the present survey and found to be substantially as charted.

c. Controlling Depth.

The controlling depth is constantly changing and is reported monthly by the U. S. Engineers. The depth of 35 feet as of May, 1939, is substantially the same as indicated by depths on the present survey (Aug.-Oct., 1938).

7. Condition of Survey.

Satisfactory.

8. Compliance with Instructions for the Project.

Satisfactory.

9. Additional Field Work Recommended.

None.

10. Reviewed by - J. A. McCormick, December 8, 1939.

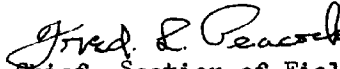
11. Inspected by - H. R. Edmonston.

Examined and Approved:




T. B. Reed,  
Chief, Section of Field Records.

K.T. Adams  
Chief, Division of Charts.



Fred. L. Peacock  
Chief, Section of Field Work.



G. H. de  
Chief, Division of H. & T.



H6390 applied to Chart 1283 Sept 8, 1939 - J.W.

H-6391, 6392 + 6393 applied to chart 1284. Mar. 15, 1940  
g.H.S.

H-6395 applied to chart 1286 Apr. 15, 1940 g.H.S.

applied to chart 1117 May 10, 1940 g.H.S.

N. 6394	Applied to Chart 523	Apr. 1945	H.E.M.
N. 6395	" " " "	"	H.E.M.
H 6391	" " " 889-SC	Aug 1967	J.M.O.C.
H 6392	" " " 889-SC	Aug 1967	J.M.O.C.
H-6391	" " " 522	Dec 29, 1969	Wall
H-6390	" " " 589 SC "B"	applied Aug 1, 1978	J.S. Strub.
H-6391	" " " 889 SC "B"	applied Aug 1, 1978	J.S.