

9184

Diag. Cht. No. 1286-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC

Field No. Ph-36(48)A Office No. T-9184

LOCALITY

State TEXAS

General locality CORPUS CHRISTI BAY

Locality PORT INGLESIDE

19A/51

CHIEF OF PARTY

C.W. Clark, Chief of Field Party

H.A. Paton, Baltimore Photogrammetric Office

LIBRARY & ARCHIVES

DATE Feb - 26 - 1954

B-1870-1 (1)

9184

DATA RECORD

T -9184

Project No. (II): Ph-36 (48)A      Quadrangle Name (IV): Port Ingleside

Field Office (II): Corpus Christi, Texas

Chief of Party: C. W. Clark

Photogrammetric Office (III):  
Baltimore, Maryland

Officer-in-Charge: Hubert A. Paton

Instructions dated (II) (III):

14 February 1949, Supplement No. 2 (Field) 26 July 1949  
" " " " 22 July 1949

Copy filed in Division of  
Photogrammetry (IV)  
Office Files

Office compilation assignment, 8 June 1949

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV): 2-3-50

Date reported to Nautical Chart Branch (IV): 2-10-50

Applied to Chart No. 893

Date: 11-19-51

Date registered (IV): 7-31-50

Publication Scale (IV): 1:20000

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

Mean sea level except as follows:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water or mean lower low water

Reference Station (III): McGLOINS BLUFF, 1860

Lat.: 27° 39' 36.341" (1118.6m)

Long.: 97° 13' 17.865" (488.9m)

Adjusted

~~DATA SHEET~~

Plane Coordinates (IV):

State: Texas

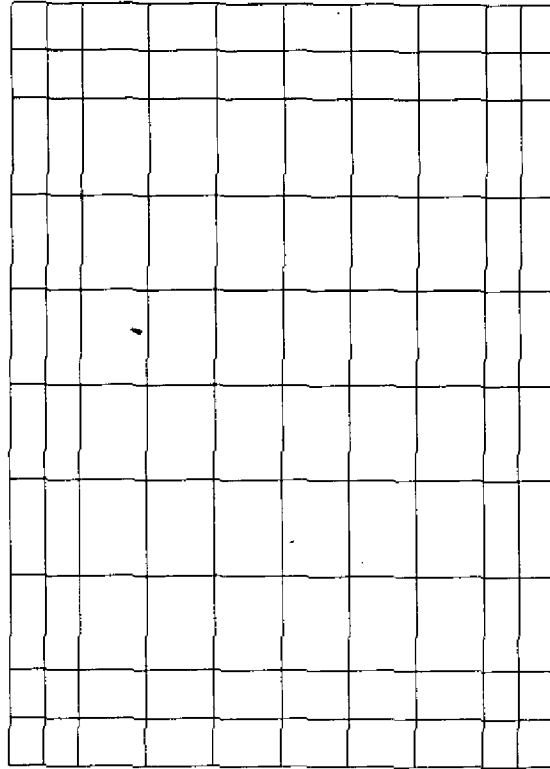
Zone: South

Y=

X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.



Areas contoured by various personnel  
(Show name within area)  
(I) (II)

**Planimetric**

DATA RECORD

Field Inspection by (II): L. F. Buegnet

Date: April, 1949  
May, 1949

Planetable contouring by (II): None

Date:

Completion Surveys by (II): W.H. Shearouse

Date: Oct 1951

Mean High Water Location (III) (State date and method of location): 12/8/48  
Identified on field photographs

Projection and Grids ruled by (IV): W.E.W.

Date: 6/24/49

Projection and Grids checked by (IV): H.D.W.

Date: 6/29/49

Control plotted by (III):

Frank J. Tarcza

Date:

8/3/49

Control checked by (III): Bernice Wilson

Date: 8/19/49

Radial Plot ~~of Stereoscopic~~

~~Control~~ by (III): Frank J. Tarcza

Date:

9/23/49

Stereoscopic Instrument compilation (III):

Planimetry

None

Date:

Contours

Date:

Manuscript delineated by (III): Ruth R. Hartley

Date: 10/31/49

Photogrammetric Office Review by (III): J.W.Vonasek

Date: 1/26/50

Elevations on Manuscript J.W.Vonasek  
checked by (II) (III):

Date: 1/23/50

Camera (kind or source) (III): U.S.C. & G.S. single lens camera, type 0

PHOTOGRAPHS (III)					
Number	Date	Time	Scale	Stage of Tide	
48-0-1105-1108 incl.	12/8/48	1030	1:20,000	negligible	
48-0-1122-1125 incl.	12/8/48	1045	1:20,000	not computed	
48-0-1657-1659 incl.	12/9/48	1146	1:20,000		
48-0-1773-1782 incl.	12/9/48	1308	1:20,000		
48-0-1814-1822 incl.	12/9/48	1332	1:20,000		
Nine lens Photos 25765 + 25766			1:20,000	1950.	
Navy Photos #s. 1-39 + 51-66			1:10,000	9-17-51	

Tide (III)

Reference Station: Galveston, Galveston Channel  
 Subordinate Station: Aransas Pass  
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
1.0	1.0	1.4
1.1	1.1	1.5

Washington Office Review by (IV): C. Theurer

Date: 10-16-52

Final Drafting by (IV): E. B. Hunter

Date: 7-4-53

Drafting verified for reproduction by (IV): M. Wallin

Date: 5-4-53

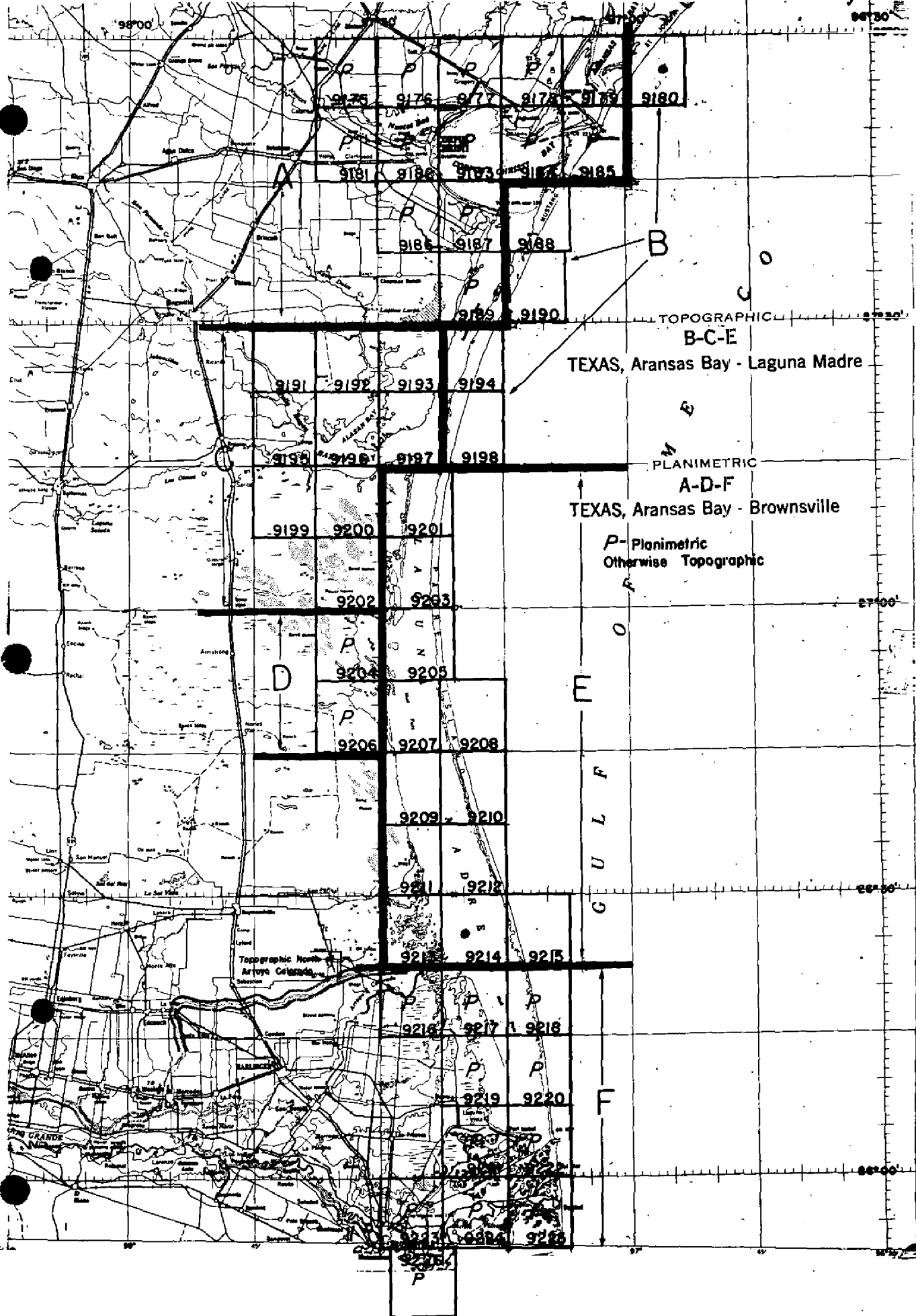
Proof Edit by (IV): J. Sturfler

Date: 6-4-53

Land Area (Sq. Statute Miles) (III): 16  
 Shoreline (More than 200 meters to opposite shore) (III): 40 statute miles  
 Shoreline (Less than 200 meters to opposite shore) (III): 6  
 Control Leveling - Miles (II): 0  
 Number of Triangulation Stations searched for (II): 16  
 Number of BMs searched for (II): 12  
 Number of Recoverable Photo Stations established (III): 2  
 Number of Temporary Photo Hydro Stations established (III): 0

Recovered: 8      Identified: 6  
 Recovered: 11      Identified: 11

Remarks:



TOPOGRAPHIC  
 B-C-E  
 TEXAS, Aransas Bay - Laguna Madre

PLANIMETRIC  
 A-D-F  
 TEXAS, Aransas Bay - Brownsville

P - Planimetric  
 Otherwise Topographic

G U L F

Topographic North  
 Arroyo Colorado  
 Section

Summary T- 9184

Project Ph-36(48) consists of fifty-two quadrangles at 1:20,000, each 7.5 minutes in latitude and longitude, covering the Gulf Coast of Texas and the Intracoastal Waterway from Aransas Bay to Brownsville and the Mexican Border. Adjoining the project to the north is a series of meridian surveys in Part IV of Project Ph-14(46).

Information concerning Ph-36(48) in its broader aspects will be included in a project completion report to be compiled at the conclusion of the review of all surveys in this project.

Twenty-six of the quadrangles in this project are topographic surveys and are to be published at 1:24,000 scale by the Geological Survey. The other twenty-six quadrangles are planimetric surveys. Of these, nineteen are to be used as bases by the Geological Survey for the compilation of 7.5 minute topographic quadrangles and will not be published as planimetric maps. The remaining seven, T-9175, T-9176, T-9177, T-9181, T-9189, T-9204, and T-9206, will be published as planimetric maps.

Cloth-backed lithographic prints of the original map manuscripts at compilation scale and the descriptive reports for all maps in this project will be filed in the Bureau Archives. Cloth-backed copies of the published topographic quadrangles at 1:24,000 scale will also be filed.

All special reports except the Geog. Names Report will be filed in the Project Completion Report.

~~AERIAL~~  
2. AREAL FIELD INSPECTION

Approximately two-thirds of this area is water - Corpus Christi and Redfish Bays. The major part of the land area is the peninsula-like formation jutting into and dividing Corpus Christi Bay from Redfish Bay. The remaining land area is a small part of Mustang Island and all of Shamrock Island.

The larger land area supports a small amount of truck farming and some cattle grazing. Most of this area, however, is overgrown by mesquite and cactus and in its present status is not productive.

Mustang Island is similar to St. Joseph Island as discussed in Field Inspection Report, T-9180 ( ).

Shamrock Island is a low island composed of sand, shell and marsh areas. It is of little economic importance.

The petroleum industry is the most important in amount of money return. Fishing is probably the most important industry to the majority of the inhabitants, with agriculture ranking second.

There is a large petroleum tank farm on the east side of the extreme end of McGloins Bluff. Crude petroleum is pumped to these tanks from fields in the nearby areas and stored for shipping by tanker.

There are no railroads in the area, but rail service is available at the town of Aransas Pass to the north.

The road system is entirely secondary, connecting with the main system of the region outside of this area.

Field inspection is believed to be adequate and complete.

For interpretation of the photographs, see Field Inspection Report, T-9178 ( ).

3. HORIZONTAL CONTROL.

For supplemental control, see "Special Report on Supplemental Control, Project Ph-36 (48)" and "Special Report, Location of Fixed Aids to Navigation, Project Ph-36 (48), Latitude 28° 00' to Baffin Bay."



The following stations were reported lost:

Corpus Christi Channel Beacon No. 4, 1934	} New triangulation positions established in 1949
Corpus Christi Channel Beacon No. 6, 1934	
Corpus Christi Channel Beacon No. 7, 1934	
Corpus Christi Channel Beacon No. 8, 1934	
Corpus Christi Channel Beacon No. 9, 1934	
Corpus Christi Channel Beacon No. 13, 1934	
Ingleside Inn Cupola, 1934	
Shamrock Island Barn, 1905	

#### 4. VERTICAL CONTROL

The following second-order bench marks of the USC&GS were recovered and identified:

Harbor City Tidal 2-A		
L-605	P-605	S-605
M-605	Q-605	T-605
N-605	R-605	U-605

Harbor City Tidal BM No. 3 was recovered, but not identified.

#### 5. CONTOURS AND DRAINAGE

See Field Inspection Report, T-9178 ( ).

#### 6. WOODLAND COVER.

See Field Inspection Report, T-9178 ( ).

#### 7. SHORELINE AND ALONGSHORE FEATURES

*See Review Report T9180*

The mean low water line was not located as there is little periodic tide. Changes in water level is due to influence of the winds. All other items adequately covered by the photographs.

#### 8. OFFSHORE FEATURES

Dolphins and piles along the Corpus Christi Channel and off a small island in the northeast corner of the map were located by sextant fixes and recorded on the backs of the photographs.

No other offshore features were noted.

#### 9. LANDMARKS AND AIDS:

*Ch Lets. 512(49), 976(49) + 473(52)*

Landmarks for nautical charts were reported on Form 567. See "Special Report, Location of Fixed Aids to Navigation, Project Ph-36 (48), Latitude 28° 00' to Baffin Bay".

10. BOUNDARIES, MONUMENTS AND LINES.

See "Special Report, Boundaries, Project Ph-36 (48), Latitude 28° 00' to Baffin Bay."

11. OTHER CONTROL.

One topographic station, "1948 (USE)" was established.

12. OTHER INTERIOR FEATURES.

Roads were classified in accordance with Photogrammetry Instructions No. 10, dated 14 April 1947, as amended 24 October 1947.

Buildings and structures were classified in accordance with Photogrammetry Instructions No. 29, dated 1 October 1948.

13. GEOGRAPHIC NAMES. 854 ✓

Field investigation of geographic names was still in progress at the time this report was written. They will be covered in a special report, the title and area covered thereby are not known.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA.

"Special Report on Supplemental Control, Project Ph-36 (48)."

"Special Report, Location of Fixed Aids to Navigation, Project Ph-36 (48), Latitude 28° 00' to Baffin Bay."

"Special Report, Boundaries, Project Ph-36 (48), Latitude 28° 00' to Baffin Bay." c

A special Report on Geographic Names.

A special Report on Coast Pilot Information.

Letter Transmitting Field Records. Ph-36, Field-9.

Submitted:  
27 May 1949

*I. F. Fitzgerald*  
I. F. FITZGERALD  
Cartographer

Approved:  
20 June 1949

*Charles W. Clark*  
C. W. CLARK  
Lt. Comdr. USCGS  
Chief of Party

MAP T. 9184

PROJECT NO. Ph-36(48)A

SCALE OF MAP 1:20,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $x$ -COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
			FORWARD	(BACK)	FORWARD	(BACK)		FORWARD	(BACK)	
SALT, 1934	G-2874 P. 69	N.A. 1927	27 52	12.900				397.1	(11419.8)	
SUB.PT. SALT, 1934			97 09	37.147				1016.2	(625.2)	
			27 52					390.9	(1456.0)	
			97 09					1033.6	(607.8)	
DONNELL, 1933	G-2874 P. 68	N.A. 1927	27 51	32.712				1006.9	(840.0)	
			97 14	27.419				750.2	(891.4)	
SUB.PT. DONNELL, 1933			27 51					1036.5	(810.4)	
			97 14					760.3	(881.3)	
McGLOINS BLUFF, 1860	G-1252 P. 137	"	27 49	36.341				1118.6	(728.2)	
			97 13	17.865				488.9	(1153.1)	
DAGGER ISLAND, 1860	G-2874 P. 69	"	27 50	07.625				234.7	(1612.2)	
			97 10	12.897				352.9	(1288.9)	
SUB.PT. DAGGER ISLAND, 1860			27 50					222.9	(1624.9)	
			97 10					326.3	(1315.5)	
CORPUS CHRISTI CHANNEL BEACON 2, 1934	G-2874 P. 79	N.A. 1927	27 49	55.9 40				1721.9	(125.0)	
			97 07	33.172				907.8	(734.1)	
CORPUS CHRISTI CHANNEL BEACON No. 11, 1934	G-2874 P. 80	"	27 49	05.9 84				184.2	(1662.7)	
			9 7 11	31.389				859.1	(783.1)	
CORPUS CHRISTI CHANNEL BEACON No. 15, 1934	G-2874 P. 76	"	27 48	35.571				1094.9	(751.9)	
			9 7 14	14.143				387.1	(1255.2)	
SHAMROCK, 1912	G-6538 P. 148	"	27 45	34.925				1075.0	(771.8)	
			9 7 10	16.985				465.1	(1177.9)	
SHAMROCK POINT LIGHT, 1949	G-8133 P. 6	"	27 45	29.695				914.0	(9 32.8)	
			97 10	33.172				908.4	(734.6)	

1 FT. = 3048006 METER

COMPUTED BY: F. J. Tarozza

DATE: July 21, 1949

CHECKED BY: M. L. Rosenberg

DATE: July 26, 1949

MAP T-9184 PROJECT NO Ph-36(48)A SCALE OF MAP 1:20,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX Pg.)	DATUM	LATITUDE OR # - COORDINATE LONGITUDE OR X - COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
HARBOR CITY (USE) 1949	G-8133 1	N.A. 1927	27 49 21.270				654.7	(1192.1)	
CORPUS CHRISTI CHANNEL CUT A, WEST LEADING LIGHT, 1949	" "	" "	27 11 39.360 27 48 35.562				1077.2 1994.6	(564.9) (752.2)	
CORPUS CHRISTI CHANNEL CUT B, EAST LEADING LIGHT, 1949	" "	" "	27 14 28.982 27 48 38.551				793.3 1186.6	(849.0) (660.2)	
CORPUS CHRISTI CHANNEL LIGHT 13, 1949	" "	" "	27 13 35.557 27 49 50.529				973.2 1555.3	(669.0) (291.5)	
CORPUS CHRISTI CHANNEL LIGHT 19, 1949	" "	" "	27 07 31.178 27 49 35.662				853.2 1097.7	(788.8) (749.2)	
CORPUS CHRISTI CHANNEL LIGHT 25, 1949	" "	" "	27 49 21.296 27 08 52.437				1435.0 655.5	(207.0) (1191.4)	
CORPUS CHRISTI CHANNEL LIGHT 26, 1949	" "	" "	27 49 21.296 27 49 26.146				287.6 804.8	(1354.5) (1042.1)	
CORPUS CHRISTI CHANNEL LIGHT 32, 1949	" "	" "	27 10 13.185 27 49 12.880				360.8 396.5	(1281.2) (1450.4)	
CORPUS CHRISTI CHANNEL LIGHT 37, 1949	" "	" "	27 11 23.496 27 48 48.936				643.0 1506.3	(999.1) (340.6)	
CORPUS CHRISTI CHANNEL LIGHT 38 1949	" "	" "	27 13 02.860 27 48 53.998				78.3 1662.1	(1564.0) (184.8)	
CORPUS CHRISTI CHANNEL LIGHT 44, 1949	" "	" "	27 13 04.236 27 48 41.310				115.9 1271.6	(1526.3) (575.3)	
ENCINAL CHANNEL LIGHT 5, 1949	" "	" "	27 14 14.688 27 48 24.147				402.0 743.3	(1240.2) (1103.6)	
	" "	" "	27 13 58.985				1614.5	(27.8)	

1 FT. = 3048006 METER COMPUTED BY: F. J. Tarozza CHECKED BY: M. L. Rosenbergs DATE: July 21, 1949 DATE: July 26, 1949 M. 2388-12

MAP T 9184

PROJECT NO Ph-36(48)A

SCALE OF MAP 1:2,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX P.)	DATUM	LATITUDE OR Y-COORDINATE LONGITUDE OR X-COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
			FORWARD	(BACK)	FORWARD	(BACK)		FORWARD	(BACK)	
ENCINAL CHANNEL LIGHT 9, 1949	5	N.A. 1927	27	47	59.992			1846.6	(0.3)	
			97	14	22.436			614.2	(1028.2)	
ENCINAL CHANNEL LIGHT 13, 1949	6	"	27	47	38.646			1189.6	(657.3)	
			97	14	34.283			938.5	(704.0)	
ENCINAL CHANNEL N. LEADING LIGHT 1949	5	"	27	48	02.871			88.4	(1758.5)	
			97	14	27.478			752.2	(890.2)	
ENCINAL CHANNEL LIGHT 19, 1949	6	"	27	46	38.925			1198.2	(648.7)	
			97	14	58.956			1614.2	(28.6)	
SUB. PT. SHAMROCK, 1912			27	45				1049.7	(797.1)	
			97	10				515.7	(1127.3)	

COMPILATION REPORT,T-9184PHOTOGRAMMETRIC PLOT REPORT

The photogrammetric plot report for this area is included in the descriptive report for T-9175, submitted to the Washington Office on 16 December 1949.

31. DELINEATION

Graphic methods were used to compile this manuscript.

Both field inspection and photographic coverage were adequate.

32. CONTROL

The identification, density, and placement of horizontal control were adequate.

33. SUPPLEMENTAL DATA

Geographic name standards dated 4 November 1949 on Charts Nos. 1285 and 1286 and the U.S.G.S. Aransas Pass Quadrangle were furnished by the Washington Office.

The map of San Patricio County and the Nueces County Highway Map were used in connection with the boundaries. They are part of the "Special Report on Boundaries".

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.

Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate.

Shoal lines were delineated from office interpretation of the photographs. No low-water line has been shown. *See Review Report.*

36. OFFSHORE DETAILS

Several piles which mark a reference line of the U.S. Engineers were located by sextant fixes.

37. LANDMARKS AND AIDS

*Chart Letters 512 (49) + 974 (49) + 473 (52)*  
Form 567, for two landmarks, recommended for deletion by the field party

37. LANDMARKS AND AIDS (continued)

is being submitted with this report. Form 567 for non-floating aids located by sextant fix, submitted by the field party 15 June 1949 were completed in the compilation office and is being submitted with this report.

38. CONTROL FOR FUTURE SURVEYS

Form 524 is being submitted for 1948 (U.S.E.), 1949.

39. JUNCTIONS

Junctions with Surveys Nos. T-9178 to the north, T-9185 to the east, T-9188 to the south and T-9183 to the west have been made and are in agreement.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 through 45,

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with previous surveys Nos. T-5367 (1934) and T-5368 (1934), scale 1:20,000, of this bureau. Comparison has also been made with the U.S.G.S. Aransas Pass Quadrangle, scale 1:62,500, edition of 1925, reprinted 1945.

47. COMPARISON WITH NAUTICAL CHARTS

T-9184 has been compared with Nautical Chart No. 523, scale 1:40,000, published 12 April 1948, corrected to 17 October 1949.

Items to be applied to nautical charts immediately:

File along Enchal Channel near Daybeacon 3.

Items to be carried forward:

None

Respectfully submitted:

*Ruth R. Hartley*  
Ruth R. Hartley  
Cartographic Draftsman

Approved and forwarded

*Hubert A. Paton*  
Hubert A. Paton  
Comdr., USC&GS



LB. GEOGRAPHIC NAMES

Commissioner Precinct 4 (Nueces County)  
Commissioner Precinct 4 (San Patricio County)

- Corpus Christi Bay
- Corpus Christi Channel

- Dagger Island
- Dagger Point
- Donnel Point

- East Flats
- East Shore
- Encinal Channel

- Ingleside
- Ingleside Cove
- Ingleside on the Bay
- Ingleside Point
- Ingleside School

Kinney Bayou

- McGloin Bluff
- Mustang Island

Nueces County

- Point of Mustang
- Port Ingleside

- Ransom Island
- Ransom Point
- Redfish Bay
- Redfish Cove

San Patricio County

- Shamrock Cove
- Shamrock Island
- Shamrock Point

• Texas and New Orleans (S.P. Lines)

- Welder Point

Names underlined in  
 red are approved.  
 4-4-51  
 L. Heek.

49. NOTES FOR HYDROGRAPHER

One recoverable topographic station, 1948 (U.S.E.) 1949, has been shown on the manuscript.

Topographic station Ron, 1951 was added by Field Editor

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9184

- 1. Projection and grids JW
- 2. Title JW
- 3. Manuscript numbers JW
- 4. Manuscript size JW

CONTROL STATIONS

- 5. Horizontal control stations of third-order or higher accuracy JW
- 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) JW
- 7. Photo hydro stations JW
- 8. Bench marks JW
- 9. Plotting of sextant fixes JW
- 10. Photogrammetric plot report JW
- 11. Detail points JW

ALONGSHORE AREAS

(Nautical Chart Data)

- 12. Shoreline JW
- 13. Low-water line None
- 14. Rocks, shoals, etc. JW
- 15. Bridges None
- 16. Aids to navigation JW
- 17. Landmarks JW
- 18. Other alongshore physical features JW
- 19. Other along-shore cultural features JW

PHYSICAL FEATURES

- 20. Water features JW
- 21. Natural ground cover JW
- 22. Planetable contours JW
- 23. Stereoscopic instrument contours JW
- 24. Contours in general JW
- 25. Spot elevations JW
- 26. Other physical features JW

CULTURAL FEATURES

- 27. Roads JW
- 28. Buildings JW
- 29. Railroads JW
- 30. Other cultural features JW

BOUNDARIES

- 31. Boundary lines JW
- 32. Public land lines JW

MISCELLANEOUS

- 33. Geographic names JW
- 34. Junctions JW
- 35. Legibility of the manuscript JW
- 36. Discrepancy overlay JW
- 37. Descriptive Report JW
- 38. Field inspection photographs JW
- 39. Forms JW

40. Joseph W. Corneck Reviewer Joseph Steinberg Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

\_\_\_\_\_  
Compiler

\_\_\_\_\_  
Supervisor

43. Remarks:

ADDENDUM TO  
COMPILATION REPORT

T-9184


31. DELINEATION

Revisions from the 1950 nine lens photograph coverage appear on the manuscript in red permanent plastic ink.

The 1950 nine-lens photograph covering the northern section of the manuscript was obscured by clouds and therefore no comparison for revision was made in this area.

The photographs referred to above are numbered 25765 and 25766.

Respectfully submitted  
18 September 1950

  
Raymond Glaser

Raymond Glaser  
Surveying and Cartographic Aid

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  
~~TO BE DELETED~~

STRIKE OUT ONE

Corpus Christi, Texas

15 June, 1949

I recommend that the following objects which have ~~(removed)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.  
The positions given have been checked after listing by \_\_\_\_\_

CHARLES W. CLARK Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	Light List No. <del>ENCINAL CHANNEL</del>	POSITION				METHOD OF LOCATION AND SURVEY	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE							
				° ' "	° ' "	D. M. METERS	D. P. METERS	DATUM					
Texas	Light	Corpus Christi Channel Cut A West Leading Light	4517	27 48	1094.6	9 7 14	793.3	N.A. 1927	T-5184	1949	X	X	523 1286
	Light	Corpus Christi Channel Cut B East Leading Light	4520	27 48	1186.6	97 13	973.2	"	"	1949	X	X	" "
	Light	Encinal Channel North Leading Light	4544	27 48	88.4	97 14	752.2	"	"	1949	X	X	" "
	Light	Encinal Channel Light 5	4542	27 48	743.3	97 13	1614.5	"	"	1949	X	X	" "
	Light	Encinal Channel Light 9	4543	27 47	1846.6	97 14	614.2	"	"	1949	X	X	" "
	Light	Encinal Channel Light 13	4545	27 47	1189.6	97 14	938.5	"	"	1949	X	X	" "
	Light	Shamrock Point Light	4558	27 45	914.0	97 10	908.4	"	"	1949	X	X	" "
	Light	Encinal Channel Light 19	4546	27 46	1198.2	97 14	1614.2	"	"	1949	X	X	" "
							Ch Let 512 (419)						

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

~~TO BE CHARTED~~  
TO BE DELETED

STRIKE OUT ONE

Corpus Christi, Texas

1 June, 1949

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be ~~deleted~~ *(deleted from)* the charts indicated.

The positions given have been checked after listing by \_\_\_\_\_

CHARLES W. CLARK Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
				LATITUDE		LONGITUDE								DATUM
				°	'	°	'							
TEXAS	CHY.	E. Chy. Hotel, near Harbor City		27	49.2	97	12.0	N.A. 1927	Unknown Unknown	X			523	
	CUP.	Near Ingleside-on-the-Bay (Ingleside Inn Cupola, 1934)		27	50	97	13	" 596.3	Tri.	X			523	
		These landmarks are no longer in existence												

Ch Let 512 (49)

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED }  
TO BE DELETED } STRIKE OUT ONE

Corpus Christi, Texas

15 June 1949

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks be charted on (deleted from) the charts indicated.  
The positions given have been checked after listing by

CHARLES W. CLARK  
Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	Light List Name Number	POSITION			DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE	LONGITUDE								
				D. M. METERS	°	'		D. P. METERS					
Texas	Light	Corpus Christi Channel Light 13	4507	27 49	1555.3	97 07	N.A. 1927	853.2	1949	X	X		523 1206
	Light	Corpus Christi Channel Light 14 (Corpus Christi Channel Bn No. 2, 1934)	4508	27 49	1721.9	97 07	"	907.8	1949	X	X		" "
	Light	Corpus Christi Channel Light 19	4509	27 49	1097.7	97 08	"	1435.0	1949	X	X		" "
	Light	Corpus Christi Channel Light 20 *	4510	27 49	1256.6	97 08	"	1169.1	1949	X	X		" "
	Light	Corpus Christi Channel Light 25	4511	27 49	655.5	97 10	"	287.6	1949	X	X		" "
	Light	Corpus Christi Channel Light 26 Corpus Christi Channel 31, 1934	4512	27 49	804.8	97 10	"	360.8	1949	X	X		" "
	Light	Corpus Christi Channel Bn No. 11)	4514	27 49	184.2	97 11	"	859.1	1949	X	X		" "
	Light	Corpus Christi Channel Light 32	4513	27 49	396.5	97 11	"	643.0	1949	X	X		" "
	Light	Corpus Christi Channel Light 37	4515	27 48	1506.3	97 13	"	78.3	1949	X	X		" "
	Light	Corpus Christi Channel Light 38	4516	27 48	1662.1	97 13	"	115.9	1949	X	X		" "
	Light	Corpus Christi Channel Light 43 (Corpus Christi Channel Bn No. 15 1934)	4518	27 48	1094.9	97 14	"	387.1	1949	X	X		" "
	Light	Corpus Christi Channel Light 44	4519	27 48	1271.6	97 14	"	402.0	1949	X	X		" "
		*This light was destroyed after being located. at light rebuilt (shown as topost)											

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  
~~TO BE DELETED~~

STRIKE OUT ONE

Baltimore, Maryland

26 January 1950

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by \_\_\_\_\_

Joseph W. Vonesek

Chief of Party.

CHARTING NAME	STATE	TOXAS	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
					LATITUDE		LONGITUDE								DATUM
					°	'	°	'							
aybeacon			Encinal Channel Daybeacon 3		27	48	1000	97	13	1275	M.A. 1927	X	X	523	
aybeacon			Encinal Channel Daybeacon 4		27	48	1136	97	13	1365	"	X	X	1286	
aybeacon			Encinal Channel Daybeacon 6		27	48	833	97	14	152	"	X	X	"	
aybeacon			Encinal Channel Daybeacon 8		27	48	554	97	14	389	"	X	X	"	
aybeacon			Encinal Channel Daybeacon 11		27	47	1509	97	14	803	"	X	X	"	
aybeacon			Encinal Channel Daybeacon 12		27	47	1583	97	14	926	"	X	X	"	
aybeacon			Encinal Channel Daybeacon 15		27	47	578	97	14	1156	"	X	X	"	
aybeacon			Encinal Channel Daybeacon 16		27	47	621	97	14	1299	"	X	X	"	
aybeacon			Encinal Channel Daybeacon 17		27	46	1831	97	14	1366	"	X	X	"	
aybeacon			Encinal Channel Daybeacon 18		27	47	5	97	14	1535	"	X	X	"	
aybeacon			Ransom Point Daybeacon		27	51	567	97	07	844	"	X	X	128	
aybeacon			(Name not known)		27	52	203	97	07	1096	"	X	X	" 128	
														523 128	
														128	

Ch Let 976 (49)

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.



## Field Edit Report, T-9184

51. Methods.--Roads were ridden out by truck to check their classification, to check vegetation, buildings, etc., and to visit areas where questions were asked by the reviewer. Shoreline and offshore features were verified from a small boat or by walking near the water's edge.

Deletions were made on the Field Edit Sheet with green ink. Additions and corrections were made on the photographs and the Field Edit Sheet by tape or planetable method with violet ink.

Verification of the position of Corpus Christi Channel Light 37, 1949, was accomplished by occupying two definitely identifiable points and making planetable cuts through the light. The plotted position proved to be correct.

Due to the discovery of an oil field, Shamrock Island, Shamrock Cove and vicinity have undergone considerable changes since original photography and field inspection. The Corpus Christi Naval Air Station made new photographs on 17 September 1951 covering most of the changes. These 1:10,000 scale photographs are of good quality and were field inspected in the usual manner. It is believed the new details can be added to the map manuscript by matching shoreline, islets, etc., and holding them as control. Coast and Geodetic Survey stations SHAMROCK, 1912 and SHAMROCK POINT LIGHT, 1949, were identified. Also were two Atlantic Refining Company stations--BURK, 1951 and RON, 1951. In each instance identification was by direct marking as the three land stations have 20-foot wooden towers over them and the light was visible on the photograph. BURK, 1951 and RON, 1951, were identified as topographic stations, the order of accuracy not being known. Form 524 is being submitted. *Station Burk is on survey T9188*

Where there was any doubt as to a light or oil well being seen on the photograph a sextant fix was taken.

The Navy photographs do not completely cover the area and notes as to the extension of channels were made. Also sextant fixes were taken at oil wells not photographed.

The Navy photographs are numbered 1 through 39 and 51 through 66.

Other field edit information will be found on the Discrepancy Print, the Field Edit Sheet and photographs 48-O-1122 and 1123. Also, a list of sextant fixes and an ozalid print of Atlantic Refining Company stations are submitted.

52. Adequacy of compilation.--The map compilation will be complete after application of field edit information. It is to be noted that

oil explorations are continuing in the Shamrock Island area and are being extended northward. No doubt many changes will occur and new features added.

53. Map accuracy.--No test was specified but several points were occupied with the planetable and the horizontal position of map details proved good.

54. Recommendations.--None offered for improving the map. However, it is recommended that the published map and the nautical charts carry a note to the effect that oil well drilling and exploration is being conducted in the open waters north of Shamrock Island and in the vicinity of the Port Aransas-Corpus Christi channel.

55. Examination of proof copy.--It is recommended that the proof copy of the map be sent to Mr. Conrad M. Blucher, County Surveyor, County Courthouse, Corpus Christi, Texas. Mr. Blucher is qualified to make the examination.

No discrepancies were noted in Geographic Names.

Respectfully submitted,  
3 October 1951

*William H. Shearouse*  
William H. Shearouse,  
Cartographer

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

T 9184

~~NONFLOATING AIDS OR LANDMARKS FOR CHARTS~~

1 October, 1951

Gorpus Christi, Texas

~~TO BE CHARTED~~  
~~TO BE DELETED~~ } STRIKE OUT ONE

I recommend that the following objects which have ~~(page not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

~~xxxxxx~~ positions given have been checked after listing by \_\_\_\_\_

Percy L. Bernstein

Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION			METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE	LONGITUDE	DATUM						
Texas	Lycinal Channel I			27 48.7	97 13.4	N.A. 1927	T-9184		X	X		523 1286

Ch Lot 473 (52)

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED } STRIKE OUT ONE  
~~TO BE DELETED~~

Corpus Christi, Texas

1 October, 1951

I recommend that the following objects which have (~~been~~) been inspected from seaward to determine their value as landmarks be charted on (~~the charts~~) the charts indicated.

The positions given have been checked after listing by

Joseph W. Vonasek

Percy L. Bernstein Chief of Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION					METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED			
				LATITUDE		LONGITUDE		DATUM			HARBOR CHART	INSHORE CHART	OFFSHORE CHART	
				°	'	°	'							D. M. METERS
Texas	Daybeacon	Incidental Channel 7		27	48	385 <del>391</del>	97	14	300 <del>268</del>	N.A. 1927	1951	X	X	523 1286
	Light	Single pile structure, continuous white		27	45	1595	97	09	593	"	1951	X	X	same
	Light	Three pile structure, continuous white		27	48	1830	97	08	612	"	1951	X	X	same and 1285
	Light	Light atop, privately main., no number		27	49	955	97	08	400	"	1951	X	X	" "
	Light	Same		27	49	1796	97	08	202	"	1951	X	X	" "
	Light	Same												
	Light	Same												

Ch Lot 473 (S-2)

Review Report T-9184  
Planimetric Map  
October 16, 1952

62. Comparison with Registered Topographic Surveys.-

T-1043	1:20,000	1867
T-1044	"	1867
T-4872	"	1934 (Graphic Control)
T-5365	"	1934
T-5367	"	1934
T-5368	"	1934

This map supersedes these surveys for nautical charting purposes.

63. Comparison with Maps of Other Agencies.-

USGS Aransas Pass Quad. 1:62,500 1925 Reprinted 1945

Spoil banks along the Corpus Christi Channel are not shown on the quadrangle.

Discovery of oil in this area has caused many cultural changes since the publication of the USGS quadrangle.

64. Comparison with Contemporary Hydrographic Surveys.- None

65. Comparison with Nautical Charts.-

Nautical Chart 523 1:40,000 1950

Piles along the Corpus Christi Channel are not shown on the Chart. (*Charted in 1952*) GFD.

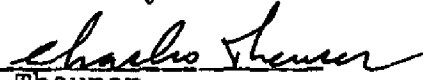
Channels dredged to oil wells in the vicinity of Shamrock Island are not shown on the chart. ✓

Privately maintained aids to navigation near Point of Mustang should be added to the chart. (*Not in Light List*)

66. Map Accuracy.-This map complies with National Map Accuracy Standards. See Review Report T-9176 for results of a horizontal accuracy test in this area.

67. Application to Nautical Charts.-A new series of Intracoastal Waterway Charts, Scale 1:40,000, were compiled using the maps of this project as bases. These charts have not been published at this date. The map manuscript was applied to Chart No. 893 before review. Changes were made in the approximate low water line during review.

Reviewed by:

  
C. Theurer

T-9184  
Page 2

APPROVED

*S. V. Griffith*  
\_\_\_\_\_  
Chief, Review Section §  
Div. of Photogrammetry

*A. C. Chamberlain*  
\_\_\_\_\_  
Chief, Nautical Chart Branch  
Division of Charts *CFJ*

*O. S. Reading*  
\_\_\_\_\_  
Chief, Div. of Photogrammetry  
*lls*

*Carl O. Henton*  
\_\_\_\_\_  
Chief, Div. of Coastal Surveys *CH*

# NAUTICAL CHARTS BRANCH

SURVEY NO. 79184

## Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
11/19/51.	893	<i>R. McGinn</i>	Before <del>After</del> Verification and Review
1-6-54	1286	<i>N. D. Henderson</i>	<del>Before</del> After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
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			Before After Verification and Review

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.