

9185

Diag Cht. 1286-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. _____ Office No. T-9185

Project Ph-36(48)A

LOCALITY

State Texas

General locality Corpus Christi Bay

Locality Aransas Pass

1951

CHIEF OF PARTY
C.W.Clark, Chief of Field Party
Hubert A. Paton, Baltimore Photo. Office

LIBRARY & ARCHIVES

DATE _____

B-1870-1 (1)

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C

DATA RECORD

T - 9185

Project No. (II): PH-36(48)A

Quadrangle Name (IV): Aransas Pass

Field Office (II): CORPUS CHRISTI, TEXAS

Chief of Party: C.W.Clark

Photogrammetric Office (III): BALTIMORE, MD.

Officer-in-Charge: Hubert A. Paton

Instructions dated (II) (III):
14 February 1949, Supplement No. 2(Field)
26 July 1949 and 28 July 1949
8 June 1949

Copy filed in Division of
Photogrammetry (IV)
Office Files

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): 3-1-50

Date reported to Nautical Chart Branch (IV): 3-3-50

Applied to Chart No. 892
893

Date: Feb 1952
Nov 1951

Date registered (IV): 8-18-53

Publication Scale (IV): Not to be published

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): RAD, 1934

Lat.: 27°49' 23.252" (715.7m)

Long.: 97°03' 47.322" (1295.1m)

Adjusted
~~Unadjusted~~
Unadjusted

Plane Coordinates (IV):

State:

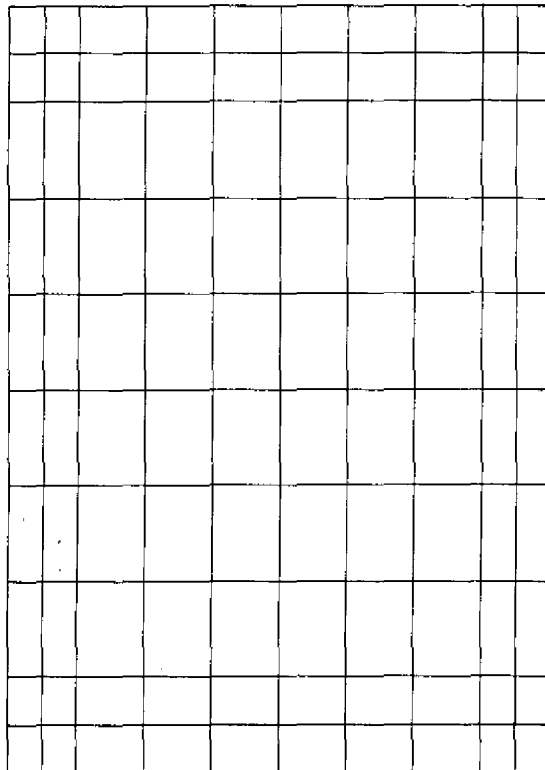
Zone:

Y=

X=

Roman numerals indicate whether the item is to be entered by (I) 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)
(II) (III)

PLANIMETRIC

DATA RECORD

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

Date: May 1949

Planetable contouring by (II): None

Date:

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

Date: Sept 24, 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): F.J.Tarcza

Date: 8-4-49

Control checked by (III): M.F.Kirk

Date: 8-24-49

Radial Plot or Stereoscopic
Control extension by (III): F.J.Tarcza

Date: 23 September 1949

Planimetry
Stereoscopic Instrument compilation (III):

Date:

Contours

Date:

Manuscript delineated by (III): L.A.Senasack

Date: 27 January 1950

Photogrammetric Office Review by (III): R.Glaser

Date: 15 Feb. 1950

Elevations on Manuscript
checked by (II) (III): None

Date:

Camera (kind or source) (III): U.S.C. & G.S. single lens, type O, focal length, 6 inches
 U.S.C. & G.S. single lens, type C, focal length, 6 inches

PHOTOGRAPHS (III)						
Number	Date	Time	Scale	Stage of Tide		
48-0-1077 to 48-0-1078 incl.	12-8-48	1002	1:20,000	Not computed		
48-0-1095 to 48-0-1097 incl.	12-8-48	1020	1:20,000	(Tide negligible)		
48-0-1614 to 48-0-1622 incl.	12-9-48	1131	1:20,000	"	"	
48-0-1650 to 48-0-1656 incl.	12-9-48	1145	1:20,000	"	"	
48-0-1809 to 1813 incl.	12-9-48	1325	1:20,000	"	"	
48-0-1823 to 48-0-1833 incl.	12-9-48	1340	1:20,000	"	"	
47-C-4080 to 47-C-4082 incl.	1947		1:10,000	"	"	
47-C-4091 and 47-C-4092	1947		1:10,000	"	"	

Tide (III)

Reference Station: Galveston, Texas
 Subordinate Station:
 Subordinate Station:

Diurnal

Ratio of Ranges	Mean Range	Spring Range
1.0	1.0	1.4

Washington Office Review by (IV): C. Theurer

Date: Oct 20, 1952

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

Date: 6-5-53

Drafting verified for reproduction by (IV): W. Hallum

Date: 6-5-53

Proof Edit by (IV): H. Steifler

Date: 7-3-53

Land Area (Sq. Statute Miles) (III): 62

Shoreline (More than 200 meters to opposite shore) (III):

44 statute miles

Shoreline (Less than 200 meters to opposite shore) (III):

12 statute miles

Control Leveling - Miles (II): 0

Number of Triangulation Stations searched for (II): 31

Recovered: 17

Identified: 16

Number of BMs searched for (II): 7

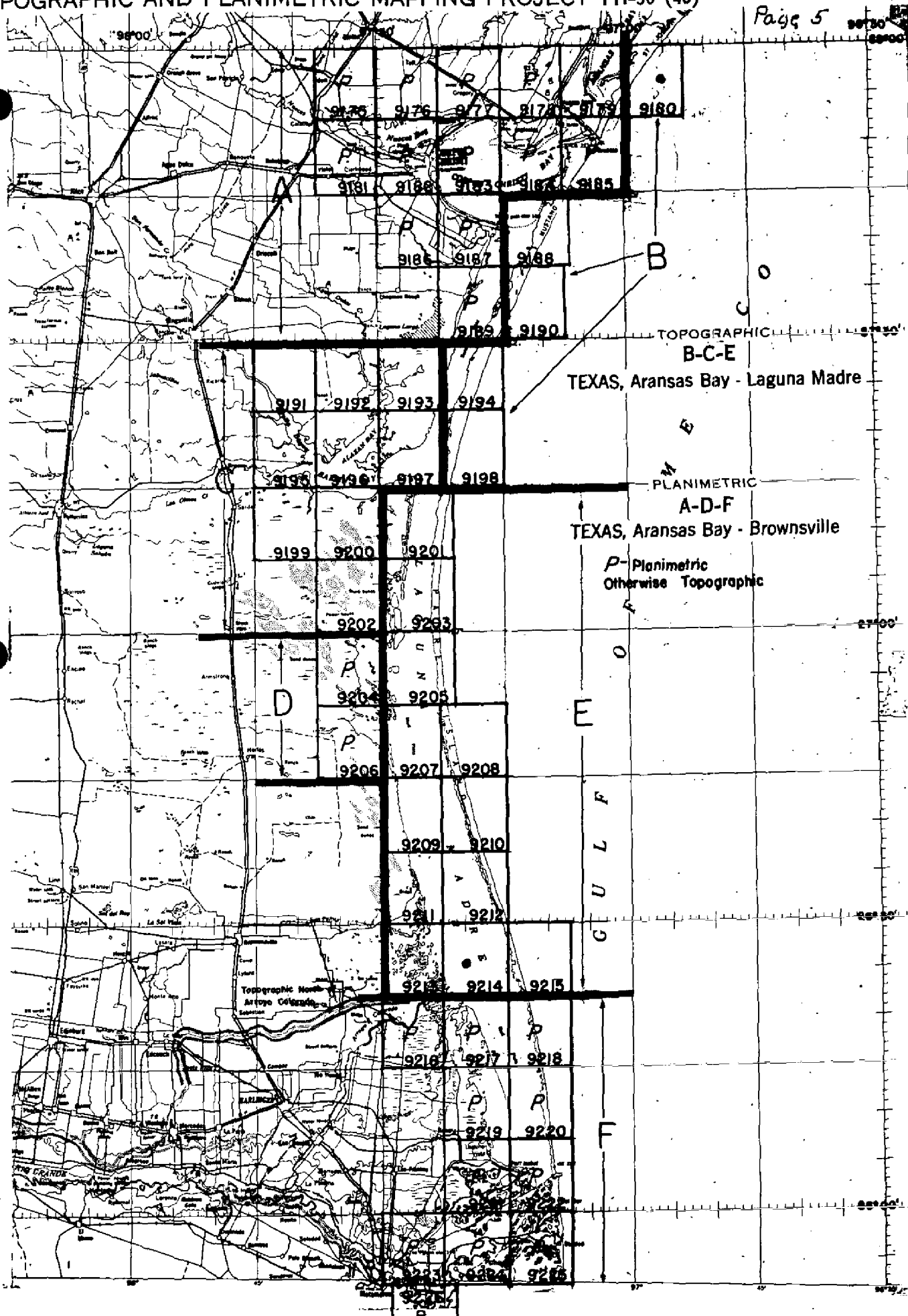
Recovered: 3

Identified: 3

Number of Recoverable Photo Stations established (III): 16

Number of Temporary Photo Hydro Stations established (III):

Remarks:



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

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

P - Planimetric
Otherwise Topographic

G U L F

SUMMARY T- 9185

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 shoreline 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, nine thousand 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.

2. AREAL FIELD INSPECTION.

This quadrangle is located along the southeastern coast of Texas and just south of the town of Aransas Pass. The land area is composed of parts of Harbor Island, Mustang Island and St. Joseph Island and is in the counties of Aransas and Nueces.

The small town of Port Aransas is principally a resort town and the major occupation is the renting of boats and guides for offshore or inshore fishing trips. Large quantities of oil are also loaded into tankers at the port. Port Aransas is connected to the mainland to the north by a privately owned, toll causeway.

Aransas Pass affords an outlet to the Gulf of Mexico for sea going vessels.

The area along the gulf shore is covered by high sand dunes which give way to lower dunes covered by grass and low brush to the westward. The area is not suitable for agricultural products but a few cattle are grazed on the islands.

Field inspection is believed to be adequate and complete.

Along the west shore of Mustang Island, the sand dunes covered with vegetation give way to low sand and mud flats. These flats flood intermittently on spring and storm tides and at such times as high, sustained westerly winds push the water toward that shore.

One item was left for the field editor. Dredging operations in Aransas Channel were in operation and the spoil was being dumped on both sides of the causeway. The spoil will affect the mean high water line in places and this should be indicated by the field editor. The spoil has been indicated on the photographs so far as had been dredged at the time of the field inspection of this quadrangle.

3. HORIZONTAL CONTROL

All U. S. Coast and Geodetic Survey Control was searched for or recovered. The following stations are classified lost.

POGY - 1934
 HERD - 1933
 ARANSAS PASS AND WAREHOUSE TERMINAL TANK - 1933
 CLINE POINT BEACON - 1934
 ST JOSEPH ISLAND BEACON - 1934
 PORT ARANSAS GOVERNMENT DOCK BEACON - 1934
 ARANSAS PASS, SPUR DYKE BEACON NO. 4 - 1934
 ARANSAS PASS REAR RANGE BEACON - 1934
 CORPUS CHRISTI CHANNEL EXTREME REAR RANGE BEACON - 1934
 TURTLE COVE CHANNEL, REAR RANGE - 1934

One U.S.E. station of third-order accuracy was identified for Horizontal Control.

4. VERTICAL CONTROL

Port Aransas Tidal Bench Marks Nos. 5, 6, and 7 were recovered and identified on the photos. Four other Bench Marks were searched for but not recovered. The order of accuracy of the Bench Marks were unknown by this party.

No additional vertical control was established by this party.

5. CONTOURS AND DRAINAGE

As this is a planimetric map no contouring was done.

The only drainage in the area is run off directly into Aransas and Corpus Christi Bays and the Gulf of Mexico. No drainage was indicated on the field photographs.

6. WOODLAND COVER

Scattered mesquite and scrub oak are found in the area. Where an appreciable area was covered, classification was in accordance with Photogrammetry Instructions No. 21, dated 18 August 1948.

7. SHORELINE AND ALONGSHORE FEATURES

See Revision Report - T9180

Shoreline inspection was done in accordance with "Field Memorandum No. 1 - Mean High Water Line in Swamp and Other Marsh Areas," dated 20 June 1938 and "Supplemental Instructions - Shoreline Inspection," dated 18 March 1944.

Attention is called to the area around Harbor Island. Here the approximate limits of the marsh and grass in water have been indicated on the photographs.

There is no evident low water line within the limits of this quadrangle. In general, the mean low water line is parallel to and very close to the mean high water line.

All dock, wharves and piers are adequately covered by field inspection notes on the photographs.

All shore ends of submarine cable crossings have been located and identified on the photographs.

8. OFFSHORE STRUCTURES

Two submerged wrecks are recommended to be investigated by a hydrographic party. One is in Aransas Pass near the south jetty, Latitude $27^{\circ} 50'$, Longitude $97^{\circ} 02' 30''$. The other in the Channel to the east of Aransas Pass Lighthouse Latitude $27^{\circ} 51' 40''$.

WRECK
REMOVED

LAM
11/19/51

The only other offshore features are the two jetties at the entrance of Aransas Pass into the Gulf of Mexico. These jetties are constructed of concrete with rock piled on both sides and are readily visible on the photographs.

9. LANDMARKS AND AIDS

One landmark was selected for nautical charts. See form 567 submitted for this quadrangle.

See "Special Report, Location of Fixed Aids to Navigation, Project Ph-36(48) Latitude $28^{\circ} 00'$ to Baffin Bay."

10. BOUNDARIES, MONUMENTS AND LINES

See "Special Report, Boundaries, Baffin Bay to Latitude $28^{\circ} 00'$, Project Ph-36(48)".

11. OTHER CONTROL

The following Recoverable Topographic Stations were established for location by the radial plot.

ECHO
 COV
 USE STATION (UNSTAMPED)
 HILL
 SE CORNER UNIVERSITY OF TEXAS TRACT
 NE CORNER UNIVERSITY OF TEXAS TRACT
 NW CORNER TRACT "B"
 SW CORNER USED RESERVATION
 SE CORNER USED RESERVATION
 NE CORNER TRACT "B"
 SE CORNER LIGHTHOUSE RESERVATION
 Form 524 is submitted for all stations

12. OTHER INTERIOR FEATURES

All 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.

There are no bridges over navigable water in the area.

One small airport is located southwest of the town of Port Aransas. The runways are surfaced with shell and is suitable for small light craft only. The runways were located on the photographs by planetable methods.

13. GEOGRAPHIC NAMES 854 ✓

The field investigation of Geographic names is in progress. All names will be found in a special report, the title and area covered by the report are not known at this time.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

The following are Special Reports and other Supplemental data affecting this map.

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

A Special Report on Geographic Names.

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

A Special Report on Coast Pilot Information.

Letter of Transmittal, Ph-36, Field-10.

Submitted:
17 June 1949

I. G. Fitzgerald
I. G. FITZGERALD
Cartographer

Approved:
21 June 1949

Charles W. Clark
CHARLES W. CLARK
Lt. Comdr. USC&GS
Chief of Party

MAP T. 9185

PROJECT NO Ph-36(48)A

SCALE OF MAP 1:20,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -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)	
CORPUS CHRISTI CHANNEL LIGHT 2, 1949	Field Comp. P.3	N.A. 1927	27 50	25.327				779.6	(1067.3)	
CORPUS CHRISTI CHANNEL LIGHT 7, 1949	"	"	97 04	54.048				1478.9	(162.9)	
CORPUS CHRISTI CHANNEL LIGHT 8, 1949	"	"	27 50	05.259				161.9	(1685.0)	
			97 06	12.542				343.2	(1298.7)	
			27 50	10.645				327.7	(1519.2)	
			97 06	13.824				378.3	(1263.6)	
GUN USE (1948)	USE (Special Report on Supp. Cont. GRID)	TEXAS SOUTH GRID	790,658.52		658.52	(4,341.48)		200.7	(1323.3)	
HARBOR ISLAND RANGE REAR LIGHT, 1949	Field Comp. P.3	N.A. 1927	2,467,564.14		2,564.14	(2435.86)		781.6	(742.5)	
			27 50	52.544				1617.4	(229.5)	
			97 03	55.649				1522.6	(119.1)	
FENCE(USE), 1948	USE (Special Report on Supp. Cont. GRID)	TEXAS SOUTH GRID	794,589.27		4,589.27	(410.73)		1398.8	(125.2)	
			2,461,470.34		1,470.34	(3,529.66)		448.2	(1075.8)	
4062 (USE) 1948	"	"	790,898.51		898.51	(4,101.49)		273.9	(1250.1)	
			2,462,277.08		2,277.08	(2,722.92)		694.1	(830.0)	
COW (USE) 1948	"	"	789,998.74		4,998.74	(1.26)		1523.6	(0.4)	
			2,452,059.27		2,059.27	(2,940.73)		627.7	(896.3)	
LEO (USE) 1948	"	"	790,424.22		424.22	(4,575.78)		129.3	(1394.7)	
			2,445,789.05		789.05	(4,210.95)		240.5	(1283.5)	
SUP. PT. RM No.1 POGY 1934			27 51					1372.3	(474.5)	
			97 02					1496.8	(144.7)	
ARANSAS PASS LIGHT HOUSE, 1931	G-1252 P.152	"	27 51	49.898				1535.9	(310.9)	P
			97 03	22.015				602.3	(1039.2)	88
POGY, 1934	G-2874 P. 55	"	27 51	42.745				1315.7	(531.1)	K
			97 02	57.527				1573.8	(67.7)	

MAP T. 9185 PROJECT NO. PH-36(48)A SCALE OF MAP 1:20,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -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)
PORT ARKANSAS COAST GUARD WEATHER BUREAU MAST, 1934	G-2874	N.A.	27	50				509.1	(1337.7)		
	P.81	1927	97	03				899.6	(742.3)		
PORT ARKANSAS COAST GUARD CUPOLA, 1934	G-2874	"	27	50				478.2	(1368.6)		
	P.81	"	97	03				886.0	(755.8)		
RAD, 1934	G-2874	"	27	49				715.7	(1131.1)		
	P.69	"	97	03				1295.1	(347.0)		
SUB.PT. RAD, 1934			27	49				723.1	(1123.7)		
			97	03				1261.1	(381.0)		
KNOLL, 1934	G-2874	"	27	47				983.9	(863.0)		
	P.55	"	97	05				380.6	(1262.0)		
SUB.PT. KNOLL, 1934			27	47				1142.3	(704.6)		
			97	05				402.2	(1240.4)		
HARBOR. ISLAND. RANGE	G-8133	"	27	50				1345.7	(501.2)		
	P.3	"	97	03				1073.4	(568.4)		
CORPUS CHRISTI CHANNEL LIGHT 1, 1949	G-8133	"	27	50				618.3	(1228.5)		
	P.3	"	97	04				1447.4	(194.4)		

COMPILATION REPORTT - 9185PHOTOGRAMMETRIC PLOT REPORT

Refer to radial plot report for this area which is bound with the descriptive report for T-9175.

31. DELINEATION

This survey was delineated by graphic methods only.

Cattle trails and ponds are delineated as recommended in a letter from Lt. Comdr. Charles W. Clark to the Director, dated 14 June 1949.

All boundaries were delineated using data obtained from "Special Report on Boundaries, Baffin Bay to latitude 28°" dated May 1949 and supplemented by boundary maps furnished by the field party. At least one boundary corner was identified on the field photographs for all boundaries except the U.S. Military Reservation just north of Aransas Pass on St. Joseph Island. All bearings given for boundaries were accepted as true bearings.

A discrepancy overlay is being submitted with the manuscript.

32. CONTROL

The identification, density and placement of the horizontal control was adequate. See radial plot report concerning identification of GUN (USE) 1948.

33. SUPPLEMENTAL DATA

Geographic Names Standards No. 1, 2, and 4, dated 4 November 1949, were furnished by the Washington Office.

Special Report Boundaries-Aransas Bay to Baffin Bay, Project Ph-36 (48).

Boundary Sheet 22, Map of Yardcraft Facility Port Aransas, Texas.

Boundary Sheet 20, Aransas Pass Lighthouse Reservation extended to Harbor Line.

Boundary Sheet 30, Port Aransas, Texas, Lands to be exchanged.

Boundary Sheet 1, Aransas County, General Land Office, Austin, Texas.

Boundary Sheet 3, Nueces County Highway Map.

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

33. SUPPLEMENTAL DATA (continued)

Special Report on Supplemental Control, Project Ph-36(48)
Latitude 28°00' to Baffin Bay.

34. CONTOURS AND DRAINAGE

Refer to item 5 of this report.

35. SHORELINE AND ALONGSHORE DETAILS

Refer to item 7 of this report.

Shoreline inspection was adequate

Shoal lines were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

Refer to item 8 of this report.

37. LANDMARKS AND AIDS

Form 567 for 24 non-floating aids to be charted are being submitted with this report. Also being submitted herewith are forms 567 for one landmark to be charted and one landmark to be deleted.

The Corpus Christi Channel Cut A East Range Front and Rear Lights were radially plotted from identification on photograph 47-C-4092 (Ph-14(46)). Some difficulty was encountered in locating the position of the rear range light on the PH-36(48) photographs. Additional data on these lights accompany this report in letter-No. 7312-rb from the Chief, Division of Photogrammetry, dated 9 December 1949, and on Forms 524 submitted by the field party for Ph-14(46). It is noted that the adjusted geographic positions of these lights as listed in the above mentioned letter are considered to be of only fourth order accuracy, whereas, the same positions subsequently received on geographic position forms are listed as being of third order accuracy.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 for a total of nineteen recoverable topographic stations are being submitted with this report. Eleven of these stations, submitted by the 1949 field party under Lt. Comdr. C. W. Clark, are listed in item 11 of this report. An additional form 524 for ARANSAS PASS RADIO BEACON was submitted by the same party but was not listed. The forms for the remaining seven stations were submitted by the field party for project PH-14(46) under Lt. Comdr. Ross A. Gilmore; they are as follows:

CORPUS CHRISTI CHANNEL CUT A EAST RANGE FRONT LIGHT
CORPUS CHRISTI CHANNEL CUT A EAST RANGE REAR LIGHT
ARANSAS PASS DREDGING SOUTH SIDE RANGE FRONT DAYBEACON
" " " " " " REAR "
" " " NORTH " " " "
" " " " " " FRONT "
HARBOR ISLAND REAR RANGE BEACON, 1934

A list of the nineteen recoverable topographic stations is included in item 49 of this report.

39. JUNCTIONS

Junctions with Surveys No. T-9179 to the north and T-9184 to the west have been made and are in agreement. To the east and south are water areas.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. LANDING FIELDS AND AERONAUTICAL AIDS

Refer to item 12 paragraph 4 of this report.

No aeronautical aids have been reported for the area of this survey.

42 to 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

This manuscript was compared with the U. S. Geological Surveys Aransas Pass, Texas, quadrangle, scale 1:62,500 edition of 1925, reprinted 1945.

47. COMPARISON WITH NAUTICAL CHARTS

Survey No. T-9185 has been compared with U.S.C. & G.S. Chart No. 523, scale 1:40,000, published 10 October 1949 corrected to 19 December 1949, No. 1285, scale 1:80,000, published 28 February 1949 corrected to 23 January 1949 and No. 1286, scale 1:80,000, published 1 August 1949 corrected to 12 December 1949.

47. COMPARISON WITH NAUTICAL CHARTS (continued)

Items to be applied to nautical charts immediately
None.

Items to be carried forward
None

Respectfully submitted
27 January 1950

Leroy A. Senasack
Leroy A. Senasack
Cartographic Survey Aid

Approved and forwarded
28 February 1950

Hubert A. Paton
Hubert A. Paton
Comdr., US C&GS
Officer in Charge

GEOGRAPHIC NAMES

- Aransas Channel
- Aransas County
- * Aransas Pass Lighthouse
- Aransas Pass

- Commissioner Precinct 1
- Commissioner Precinct 4
- Corpus Christi Bay
- Corpus Christi Channel

- East Flats
- East Shore

- Gulf of Mexico

- Harbor Island
- Holiday Beach

- Lydia Ann Channel

- Morris and Cummings Cut
- Mustang Island

- North Jetty
- Nueces County

- Port Aransas
- Port Aransas Causeway

- South Jetty
- South Pier
- St. Joseph Island

U. S. Military Reservation

* Triangulation station - (geographic name does not appear on manuscript)

• Cline Point (recently re-applied to nautical charts)

Humble Basin

Names underlined in red are approved.
4-2-51
L. HECK

49.

NOTES TO THE HYDROGRAPHER

The following is a tabulation of recoverable topographic stations shown on the manuscript:

ARANSAS PASS DREDGING NORTH SIDE RANGE FRONT DAYBEACON
ARANSAS PASS DREDGING NORTH SIDE RANGE REAR DAYBEACON
ARANSAS PASS DREDGING SOUTH SIDE RANGE FRONT DAYBEACON
ARANSAS PASS DREDGING SOUTH SIDE RANGE REAR DAYBEACON
ARANSAS PASS RADIO BEACON

CORPUS CHRISTI CHANNEL CUT A EAST RANGE FRONT LIGHT
CORPUS CHRISTI CHANNEL CUT A EAST RANGE REAR LIGHT
COW (USE) (Same as \triangle COW (USE), 1948)

ECHO

HARBOR ISLAND REAR RANGE BN., 1948 (Same as \triangle HARBOR ISLAND
RANGE REAR LT., 1949)
HILL

S.E. CORNER LIGHTHOUSE RESERVATION
NE CORNER TRACT "B"
NW CORNER TRACT "B"
NE CORNER UNIVERSITY OF TEXAS TRACT
SE CORNER UNIVERSITY OF TEXAS TRACT
SE CORNER U.S.E.D. RESERVATION
SW CORNER U.S.E.D. RESERVATION
U.S.E. STATION (unstamped) (Same as \triangle LED (U.S.E.), 1948)

The following is an excerpt from item 8 of the field inspection report:
"Two submerged wrecks are recommended to be investigated by a hydrographic party. One is in Aransas Pass near the south jetty, latitude 27° 50' longitude 97° 02' 30". The other is in the channel to the east of Aransas Pass Lighthouse, latitude 27° 51' 40".

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T-9185

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

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

- 12. Shoreline h
- 13. Low water line h
- 14. Rocks, shoals, etc. h
- 15. Bridges h
- 16. Aids to navigation h
- 17. Landmarks h
- 18. Other alongshore physical features h
- 19. Other along-shore cultural features h

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

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

MISCELLANEOUS

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

40. Raymond Glass 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:

C
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Y

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Washington

POST-OFFICE ADDRESS:

Re: 7312-rb

TELEGRAPH ADDRESS:

9 December 1949

EXPRESS ADDRESS:

To: Comdr. Hubert A. Paton
U. S. Coast and Geodetic SURvey
518 East 32nd Street
Baltimore 18, Maryland.

Subject: Computed positions of lights, Corpus Christi Channel Cut "A" -
Project Ph-36

Mr. Steinberg recently requested information of this office on whether or not Corpus Christi Channel Cut "A" Front and Rear Range Lights were being computed in this office.

The Division of Geodesy encountered considerable difficulty in computing the positions for both of these lights, and the adjusted positions, as follows, are considered to be of only fourth order accuracy:

Corpus Christi: Channel Cut "A" East Range
Front 27 - 50 - 40.771 (1255.0)_m
97 - 03 - 16.914 (463.8)_m
Rear 27 - 50 - 44.791 (1374.7)_m
97 - 02 - 54.970 (1534.1)_m

The adjusted values for the remainder of Comdr. Clark's work in this area will be available in about two weeks, at which time copies will be furnished to you.

Because of the low order of accuracy obtained in locating Corpus Christi Channel Cut "A" East Range Lights, Front and Rear by triangulation methods, it is suggested that you locate these lights by radial plot methods, if practicable, and use the computed positions as a check.

O.S. Reading
Chief, Div. of Photogrammetry

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~~ ~~inspected~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted)~~ the charts indicated.

The positions given have been checked after listing by _____

CHARLES W. CLARK Chief of Party.

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				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	
CUP	Texas	Coast Guard (Port Arkansas Coast Guard Cupola, 1931)		27	50	478.2	97	03	886.0	N.A.	1927	THI T-9185	1934	X X		523, 128 1286

Chart letter 572 (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

Form 567
April 1945

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

Corpus Christi, Texas

1 June 1949

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

I recommend that the following objects which have ~~been charted~~ been inspected from seaward to determine their value as landmarks be ~~charted or (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	TANK	On Harbor Island (Aransas Pass, Warehouse and Terminal Co. Tank, 1931)		27	50	97	03	1254.3	N.A. 1907	1931	X		523	
		This tank is no longer in existence												

Chart Letter 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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Baltimore, Maryland

26 January, 19 50.

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

I recommend that the following objects which have ~~(inserted)~~ 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 R. Glaser

Hubert A. Paton Chief of Party.

CHARTING NAME	STATE	Texas	Light List No.	DESCRIPTION	POSITION				DATE OF LOCATION	METHOD OF LOCATION AND SURVEY No.	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHART AFFECTE	
					LATITUDE		LONGITUDE								DATUM
					°	'	°	'							
Light			3611	Aransas Pass (Aransas Pass Lighthouse, 1931)	27	51	97	03	602	N.A. 1927	X	X	X	1286-1287	
Radio Beacon			3611	Aransas Pass	27	51	97	03	634	g	X	X	X	" "	
Light			4485	Harbor Island Range Front	27	50	97	03	1073	"	X	X	X	523	
Light			4486	Harbor Island Range Rear	27	50	97	03	1523	"	X	X	X	1286-1285	
Light			4491	Aransas Pass II	27	50	97	03	33	"	X	X	X	" "	
Light			4493	Cline Point	27	50	97	03	591	"	X	X	X	" "	
Light			4494	Port Aransas Channel 2	27	50	97	03	1062	"	X	X	X	" "	
BELL			4495	Mustang Island Fog Signal	27	50	97	03	944	"	X	X	X	" "	
Light			4500	Corpus Christi Channel Cut A East Range Front	27	50	97	03	464	"	X	X	X	" "	
Light			4501	Corpus Christi Channel Cut A East Range Rear	27	50	97	02	1506	"	X	X	X	" "	
Light			4503	Corpus Christi Channel 1	27	50	97	04	1447	"	X	X	X	" "	
Light *			4504	Corpus Christi Channel 2	27	50	97	04	1479	"	X	X	X	" "	
Light			4505	Corpus Christi Channel 7	27	50	97	06	343	"	X	X	X	" "	
Light			4506	Corpus Christi Channel 8	27	50	97	06	378	"	X	X	X	" "	

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, Md.

26 January 1950

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

The positions given have been checked after listing by

R. Glaser

Hubert A. Paton *Chief of Party.*

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				DATUM	METHOD OF LOCATION AND SURVEY	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE								
				°	'	°	'							
Daybeacon	Texas	Morris and Cummings Cut		27	52	97	07	92	N.A. 1927	1949	X	X	1285-1286	
"		Aransas Causeway Channel 64		27	52	97	05	657	"	"	X	X	523	
"		Port Aransas Channel 1		27	50	97	03	982	"	"	X	X	"	
"		Port Aransas Channel 3		27	50	97	03	980	"	"	X	X	"	
"		Port Aransas Channel 4		27	50	97	03	1050	"	"	X	X	"	
"		Aransas Causeway Channel 2		27	50	97	03	1108	"	1948	X	X	"	
"		Aransas Pass Dredging South Side Range Front		27	50	97	03	1347	Photo Comp	1948	X	X	"	
"		Aransas Pass Dredging South Side Range Rear		27	50	97	03	1490	"	"	X	X	"	
"		Aransas Pass Dredging North Side Range Front <i>Sec Chart Letter 855 (51)</i>		27	50	97	03	1051	"	"	X	X	"	
"		Aransas Pass Dredging North Side Range Rear		27	50	97	03	1381	"	"	X	X	"	

Chart Letter 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

Photogrammetric Review Section

NONFLOATING AIDS OR LANDMARKS FOR CHARTS//

**TO BE CHARTED
TO BE DELETED//**

STRIKE OUT ONE

Corpus Christi, Texas

5 November, 1955

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

The positions given have been checked after listing by

Joseph W. Vonasek

F. L. Bernstein

F. L. Bernstein, Chief of Party

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						
			° ' "	D. M. METERS	° ' "	D. P. METERS						
LIGHT	Arkansas Pass Dredging North Side Range Front (Skeleton steel tower with black slatted daymark, 50 feet high, light atop)		27 50	14 38	97 03	1103	N. A. 1927	Planetable 7-9185	1951	X		1285 1286

Chart Letter 855 (51)

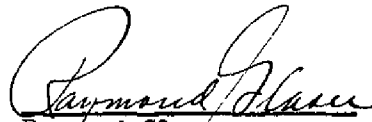
ADDENDUM TO
COMPILATION REPORT

T- 9185

31. DELINEATION

Comparison was made between the manuscript and nine lens photograph No. 25766, exposed in 1950. No revisions were made on the manuscript of that area covered by the above mentioned photograph since there were no apparent changes in the area not obscured by clouds.

Respectfully submitted
18 September 1950



Raymond Glaser
Surveying and Cartographic Aid

Field Edit Report, T-9185

51. Methods.--Field edit was accomplished by riding out all roads, by skiff and by riding the beach.

Planetable and tape methods were used for all additions. Sextant fixes were used to obtain the points on range and the position of Aransas Causeway Channel Daybeacon 4.

Field edit information is shown on the Field Edit Sheet and photograph 48-0-1077 and 1078. Violet ink was used for additions and corrections, and green for deletions.

52. Adequacy of compilation.--The manuscript appears well-compiled and will be adequate after application of field edit information.

53. Map accuracy.--No accuracy test was specified. From visual inspection, the accuracy of the map appears good.

54. Recommendations.--No recommendations are offered.

55. Examination of proof copy.--It is recommended that Mr. E. W. Tarrant, Mayor of Port Aransas, be sent the proof copy for examination. Mr. Tarrant is very familiar with the area and able to read a map with ease. He has agreed to make the examination. His address is P. O. Box 238, Port Aransas, Texas.

Respectfully submitted,
24 September 1951

William H. Shearouse

William H. Shearouse,
Cartographer

Review Report T-9185
Planimetric Map
October 20, 1952

62. Comparison with Registered Topographic Surveys.-

H-386 (Rec)	1:10,000	1854
T-720 (Rec)	1:50,000	1858
T-823	1:20,000	1860, 61, and 68
Misc. 8	1:20,000	1863
T-2354	1:10,000	1899
T-4872 (Graph Control)	1:20,000	1934
T-6229 "	" 1:10,000	1934
T-5368 (Supp)	1:20,000	1934
T-5369 "	1:20,000	1934
T-6663 a & b (Graph Control)	1:20,000,	1938

This map supersedes these surveys for nautical charting purposes.

63. Comparison with Maps of other Agencies.-

USGS, Aransas Pass Quadrangle, 1:62,500, 1925 Reprint 1945
The railroad shown on the USGS Quad to Port Aransas has been replaced by a highway.

Considerable industrial development has taken place at Port Aransas since the USGS Quad was published.

64. Comparison with Contemporary Hydrographic Surveys.- None

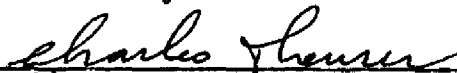
65. Comparison with Nautical Charts.-

Nautical Chart 523 1:40,000 1950
Three wrecks shown on the chart, one at Port Aransas, one at Aransas Pass, and the other near Harbor Island, have been removed. NOT DEFINITE
ENOUGH

66. This map conforms 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.-The maps of this project were applied to a new series of Intracoastal Waterway Charts. This map has been applied to Chart Nos. 892 and 893. These maps have not been published at this date.

Reviewed by:


C. Theurer

APPROVED:

L C Lande 26 Nov 1954
Chief, Review Section
Div. of Photogrammetry

H. Edmonson
Chief, Nautical Chart Branch
Division of Charts

R W Swanson
Chief, Div. of Photogrammetry
12/21/54

Carl D. Heaton
Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T 9185

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
11/19/51	893	J. McGinnis	Before After Verification and Review
Feb 1952	892	Norfolk	Before After Verification and Review <i>Completely</i>
10-8-53	1285	JACK ALLEN	Before After Verification and Review <i>also charts 892 & 893</i>
1/10/56	892	J. McGinnis	Before After Verification and Review
1-5-54	1286	W. J. Henderson	Before After Verification and Review
			Before 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
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.