

9178

Diag. Cht. Nos. 1285 & 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-9178

LOCALITY

State TEXAS

General locality REDFISH BAY

Locality CITY OF ARANSAS PASS

19A 51

CHIEF OF PARTY

C.W.Clark, Chief of Field Party

H.A.Paton, Baltimore Photogrammetric Office

LIBRARY & ARCHIVES

DATE Feb - 2 - 1954

B-1870-1 (1)

8178

DATA RECORD

T- 9178

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: H. A. Paton

Instructions dated (II) (III):

14 February 1949, Supplement No.2 (Field) 26 July 1949
" " " " " 28 July 1949
Office compilation assignment, 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): 3-28-50 Date reported to Nautical Chart Branch (IV): 3-30-50

Applied to Chart No. 892
893

Date: Feb 1952
Nov 1951

Date registered (IV): 11-19-53

Publication Scale (IV): Not to be published

Publication date (IV):

Geographic Datum (III): N. A. 1927

Vertical Datum (III):

Mean sea level except as follows:
Elevations shown as (26) 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): ARANSAS, 1931

Lat.: 27° 55' 03.584" (110.3m)

Long.: 97° 09' 53.015" (1449.6 m)

Adjusted
~~Unadjusted~~

Plane Coordinates (IV):

State: Texas

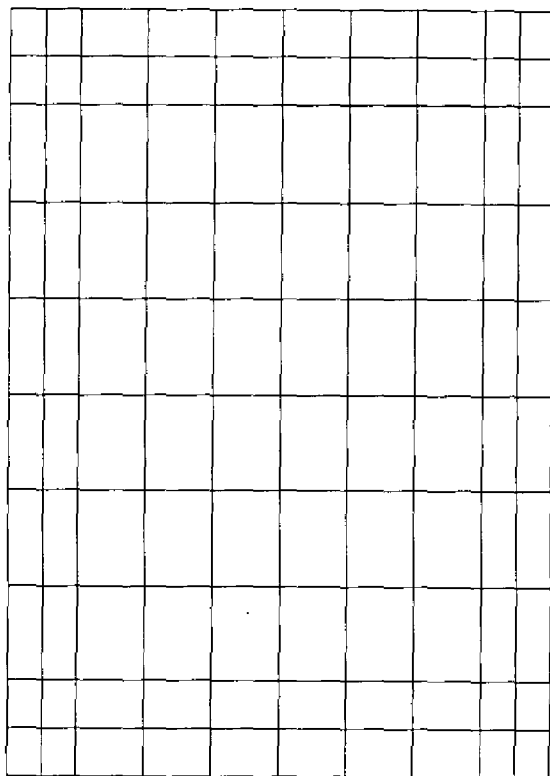
Zone: South

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

U.S.C. & G.S. Single lens type 0, 6" focal length

Camera (kind or source) (III):

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
48-0-1109 to 1111	12/8/48	1033		1:20,000	Tide negligible Not computed
48-0-1118 to 1121	12/8/48	1043		1:20,000	
48-0-1836 to 1838	12/9/48	1345		1:20,000	
48-0-1783 to 1787	12/9/48	1312		1:20,000	

48-0-1109

Tide (III)

Reference Station: Galveston
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: 10-22-52

Final Drafting by (IV): *A. P. Berry*

Date:

Drafting verified for reproduction by (IV): *W. O. Halluin*

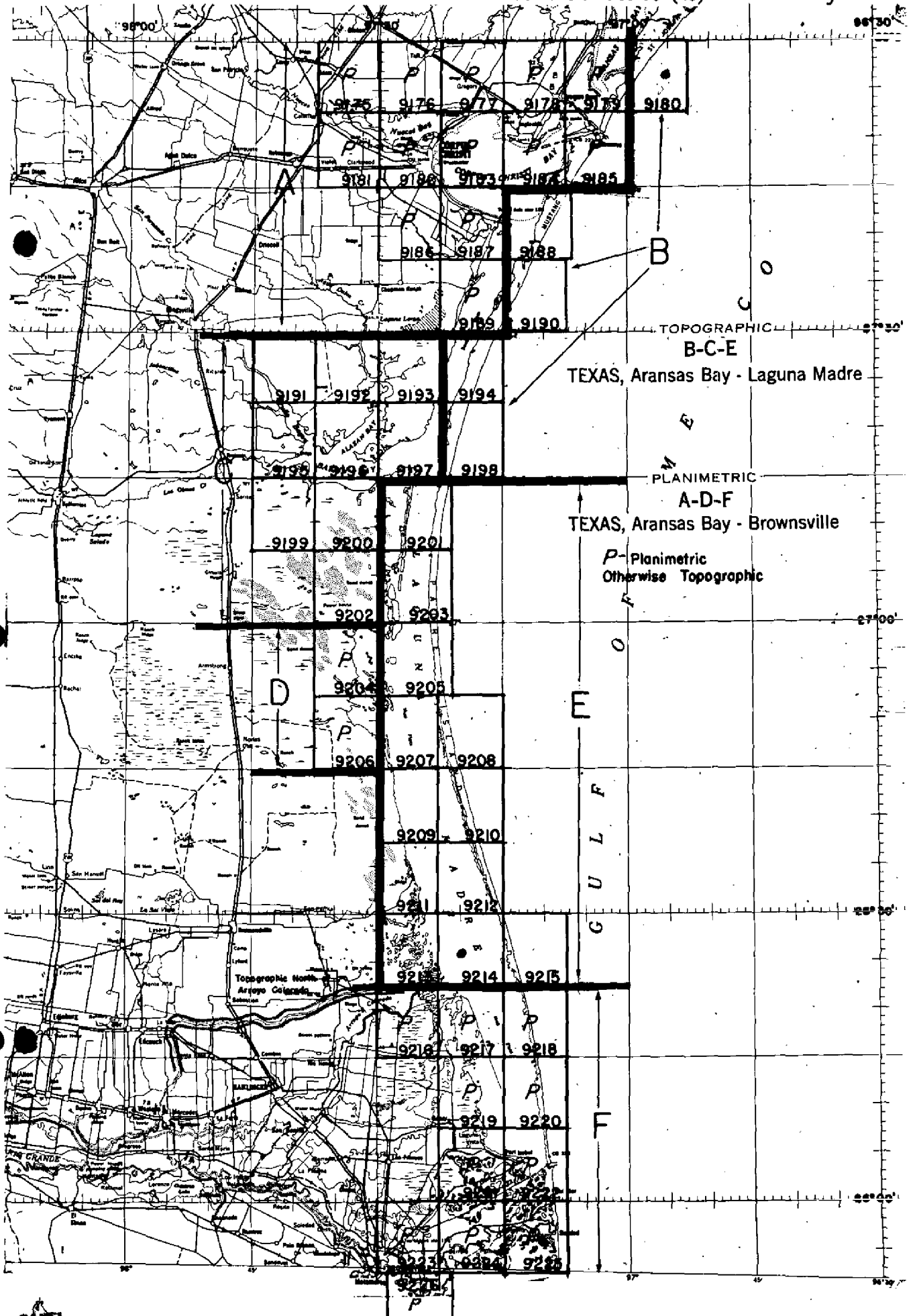
Date: 7-13-53

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 56
Shoreline (More than 200 meters to opposite shore) (III): 6
Shoreline (Less than 200 meters to opposite shore) (III): 3
Control Leveling - Miles (II): 0
Number of Triangulation Stations searched for (II): 16* Recovered: 9 Identified: 8
Number of BMs searched for (II): 19 Recovered: 18 Identified: 18
Number of Recoverable Photo Stations established (III): 2
Number of Temporary Photo Hydro Stations established (III):

Remarks: Includes one north of the project limits, PTS No. 454 H23, 1923



Summary 8- 9178

Project Ph-36(46) 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 Brazos Bay to Brownsville and the Mexican Border. Adjoining the project to the north is a series of shoreline surveys in Part XV of Project Ph-14(46).

Information concerning Ph-36(46) 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-9275, T-9276, T-9277, T-9281, T-9289, T-9204, and T-9205, 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.

The land area embraced by this map lies along the western shore of Redfish Bay, an arm of Aransas Bay, in Southern Texas and is composed of parts of Aransas, Nueces and San Patricio Counties.

The terrain is generally flat with a gradual incline to the interior.

The principal cultural features are the road system, railroad, power transmission and telephone lines, the incorporated town of Aransas Pass and the unincorporated town of Ingleside. Included in the road system is the Port Aransas Causeway. It is a privately owned and operated toll causeway constructed on the bed of the abandoned railroad spur running to Port Aransas.

Texas State Highway No. 35 is the main route for vehicular traffic, affording road connections to the market areas to the north and west. This road enters the quadrangle from T-9177 (1949) on the west, passing through Aransas Pass and thence northward to Rockport and on to Houston.

Farm Road 632 enters the quadrangle from T-9177 (1949) and is the main vehicular route for residents of the southern portion of the area. In addition, there is a well developed system of rural roads serving the farms and ranches.

A branch of the Texas and New Orleans R.R., Southern Pacific Lines, runs to the town of Aransas Pass and furnishes freight transportation only for the entire area.

Three main industries in the area are petroleum, agriculture and fishing.

Petroleum exploration and development is constantly in progress. Crude petroleum is shipped by tanker and tank barge from loading facilities at Harbor City in T-9184 (1949) and Port Aransas in T-9185 (1949), where the oil is pumped through pipe lines to storage facilities.

Agriculture is perhaps the most important industry from the standpoint of participants and money return. Flax is the chief money crop with cotten and truck products following. Cattle raising is not of as much importance as formerly because more and more land is being converted from grazing to cultivation.

A large fishing fleet is based at the town of Aransas Pass. Most of the boats are of small size and fish adjacent inside waters. Some of them though, are deep-sea trawlers. Probably the most important catch is shrimp, in season.

Field inspection is believed to be adequate and complete.

The oil field northwest of the town of Aransas Pass is a producing one. The small white spots decernible on the photographs are deposits of drilling mud at well sites. All wells are not producers. Some are in process of being drilled, others are on pump and some have ceased to produce and have been abandoned. Many of the short roads in the field are no longer used and were deleted. Scattered throughout the field are groups of small tanks. These are known as batteries and consist usually of three tanks, two being of the same height and diameter, the third one much higher and of small diameter.

However, occasionally there are more than three tanks in a group. There are no extensive oil storage tank farms.

Photograph interpretation was not difficult, the photographs being of a recent date.

The photographic tones vary from white in sand and similar areas to a very dark tone in marsh. Intermediate tones are grey and vary in density. The darker greys are grassy lowlands and mesquite. Mesquite is usually also mottled.

3. HORIZONTAL CONTROL.

Ingleside Municipal Water Tank, 1949, is an intersection station of an area triangulation scheme of the Division of Geodesy

executed during the course of field inspection. No supplemental horizontal control of third order or higher accuracy was established by the party.

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

The following are primary traverse stations of the U.S. Geological Survey, the last one is north of the quadrangle and all others are within the quadrangle:

PTS No. 52 Y Texas H-14, 1923
 PTS No. 53 Y Texas H-13, 1923
 PTS No. 54 Y Texas H-12, 1923
 PTS No. 45 Y Texas H-23, 1923

Following is a list of (stations reported) lost on form 526.

Aransas Pass, Old Municipal Water Tank, 1931
 Aransas, San Patricio and Nueces County Line
 Post (USGS).
 PTS No. 51 Y, 1923, Texas H-16(USGS)
 PTS No. 42 Y, 1923, Texas H-26(USGS)
 PTS No. 43 Y, 1923, Texas H-25(USGS)
 PTS No. 44 Y, 1923, Texas H-24(USGS)
 Pocket Ranch Windmill (USGS).

4. VERTICAL CONTROL.

Second order bench marks of the Coast and Geodetic Survey which were recovered are:

✓H 605	X 605 ✓
✓J 605	D 603 ✓
✓K 605	F 603 ✓
✓V 605	E 603 ✓
✓W 605	D 606 ✓

Coast and Geodetic Survey, Aransas Pass Tidal Bench Marks, Nos. 1, 2 and 3 were recovered.

U.S. Geological Survey bench marks as follows, were recovered. The order of accuracy of these is not known to the field party.

HL2 PTS 54 Y
 HL3 PTS 53 Y
 HL4 PTS 52 Y
 HL5
 H23 PTS 45 Y

5. CONTOURS AND DRAINAGE.

Drainage is entirely intermittent and is evident on the photographs. Courses of (not streams were) indicated.

6. WOODLAND COVER.

Mesquite is the predominant vegetation with scrub oak following. Cactus and chapparal intermingle with the mesquite and oak.

The two former types sometimes reach a height of 20 to 30 feet. These areas were classified "S" in accordance with Photogrammetry Instructions No. 21, dated 18 August 1948, and a note regarding the type and its height added.

7. SHORELINE AND ALONGSHORE FEATURES:

See Review Report
 The mean high water line was inspected in accordance ^{with} ~~the~~ "Field Memorandum No. 1, Mean High Water Line in Marsh and Other Swamp Areas," dated 20 June 1938 and "Supplemental Instructions - Shoreline Inspection," dated 18 March 1944.

There is no perceptible periodic tide in Redfish Bay. The bay is of little importance as it is a very shallow body of water. All changes in the water level are due to the winds.

The low water line is indeterminate by visual inspection.

Around the southwest, southeast and northeast sides of the town of Aransas Pass, there is an earthen dike, which varies in elevation to some extent but is generally level along the top.

Docks, piers and wharves are along the small channel parallel to the shore and along the shore end of the Aransas Channel. These structures are primarily for the fishing fleet, but supplies, fuel and some repairs are obtainable by all small craft.

On the northeast side of the town of Aransas Pass, along the shore, a boat basin has been dredged and linked to the Aransas Channel.

8. OFFSHORE FEATURES.

Adequately covered on the photographs.

9. LANDMARKS AND AIDS.

All landmarks for nautical charts reported on Form 567.

Chart Letter 976 (49)

There are no aeronautical aids.

All fixed aids to navigation were located by sextant fixes and are to be covered by a "Special Report, Location of Aids to Navigation, Project Ph-36(48), Latitude 28° 00' to Baffin Bay."

Chart Letter 512 (49) + 697 (51)

10. BOUNDARIES, MONUMENTS AND LINES.

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

11. OTHER CONTROL.

One U.S.E. station was identified as a recoverable topographic station.

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.

Part

The clearances of a fixed highway bridge over Puerto Bay as listed on page 382 of the Corps of Engineers "List of Bridges Over Navigable Waters of the United States" were measured and the discrepancies as noted below were found and reported to the local District Engineer by letter, a copy of which is attached.

Horizontal Clearances:	Bridge Book:	14.0 feet
	Field Meas :	12.6 feet
Vertical Clearances :	Bridge Book:	6.5 feet above MHW
	Field Meas :	5.0 feet above MHW

13. GEOGRAPHIC NAMES.

Field investigation of geographic names was in progress at the time of writing this report. All names will be found in a special report, the title and limits of the area it covers are not known at this time.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA.

The following are special reports and other supplemental data applicable to 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.

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

Letter of Transmittal, Ph-36, Field-3.

Submitted:
20 May 1949.

L.F. Beugnet.
L.F. Beugnet,
Cartographic Survey Aid.

Approved:
9 June 1949.

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

MAP T- 2178 PROJECT NO. Ph-36(48)A SCALE OF MAP 1:20,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	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)	
PTS No. 54-Y, 1923 (TEXAS H-12) (USGS)	USGS ARANSAS SAS PASS QUAD P. 4	N.A.	27 53	51.53	1586.2	(260.7)	+ 3.1	1589.3	(257.6)	
SUB.PT. PTS. No. 54-Y, 1923			97 14	38.34	1048.6	(592.4)	-25.4	1023.2	(617.8)	
PTS No. 53-Y, 1923 (TEXAS H-13)	" P. 3	N.A.	27 52	47.50	1462.1	(384.8)	+ 3.1	1465.2	(381.7)	
ARANSAS, 1931	G-1252 P. 138	" 1927	97 12	37.26	1019.2	(622.0)	-25.4	993.8	(647.4)	
SUB.PT. ARANSAS, 1931			27 55	03.584				110.3	(1736.6)	
ARANSAS PASS, NEW MUNICIPAL TANK, 1931	G-1252 P. 152	N.A. 1927	97 09	53.015				1449.6	(191.0)	
PTS No. 52-Y, 1923 (TEXAS H-14)	USGS ARANSAS PASS QUAD. P. 3	N.A.	27 55					183.9	(1663.0)	
SUB.PT. PTS. 52 Y, 1923			97 09					1438.0	(202.6)	
MAIL, 1934	G-2874 P. 56	" 1927	27 54	30.792				947.8	(899.1)	
SUB.PT. MAIL, 1934			97 08	57.817				1581.1	(59.7)	
SUB.PT. MAIL, 1934			27 52	48.59	1495.6	(351.2)	+ 3.1	1498.7	(348.1)	
SUB.PT. MAIL, 1934			97 09	40.72	1113.9	(527.4)	-25.4	1088.5	(552.8)	
SUB.PT. MAIL, 1934			27 52					1550.5	(296.3)	
SUB.PT. MAIL, 1934			97 09					1050.4	(590.9)	
SUB.PT. MAIL, 1934			28 01	11.354				349.5	(1497.4)	
SUB.PT. MAIL, 1934			97 10	42.855				1170.7	(468.4)	
SUB.PT. MAIL, 1934			28 01					223.4	(1619.0)	
SUB.PT. MAIL, 1934			97 10					1002.0	(637.1)	
WINGLIDE MUNICIPAL WATER TANK, 1949	G-8043 P. 12	N.A. 1927	27 52	48.88				1504.6	(342.3)	
PC STA 307+64.1 (USE)	Letter SWNVK 5 Nov. 1949		97 12	46.91				1283.2	(358.1)	
			810,000		2974.15	2025.85		906.52	(617.47)	Not
			2,440,000		1386.74	3613.26		422.67	(1101.32)	Plotted

COMPILATION REPORTT-9178PHOTOGRAMMETRIC 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

This survey was delineated by graphic methods.

For information regarding the delineation of water holes, refer to letter by Charles W. Clark to the Director, U. S. Coast and Geodetic Survey, dated 14 June 1949, subject "Classification of Topographic Features".

For a discussion of the shoreline and the adjacent areas, refer to letter by Comdr. George E. Morris, Jr. to the Director, U.S. Coast and Geodetic Survey, dated 17 March 1950, subject "Delineation of Shoreline on Manuscripts T-9179, T-9180, T-9184, T-9185, T-9187, and T-9188.

A discrepancy overlay has been prepared and is being submitted with this manuscript.

32. CONTROL

The identification and density of horizontal control was adequate.

33. SUPPLEMENTAL DATA

Geographic name standard dated November 4, 1949 on U.S.G.S. Aransas Pass Quadrangle was 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".

A highway map of District 16 furnishes some highway information. It was submitted by the field party as Name Sheet 34 (Special Names Report No. 129).

Some sextant fixes were given in Form 250, Volume 5 of 6, Field Observations, Proposed Chart 892-(1), submitted by Ross A. Gilmore, dated 1948 (Ph-14(46)). These were used to plot the positions of Aransas Causeway Channel Daybeacons 24 and 26, and a dolphin.

34. CONTOURS AND DRAINAGE

Contours - Inapplicable
Drainage - No comment.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection is considered adequate.

36. OFFSHORE DETAILS

~~No comment. See Review Report.~~
~~No comment. See Review Report.~~

37. LANDMARKS AND AIDS

Forms 567 for Nonfloating Aids and Landmarks are submitted with this report.

The position for U.S.E. station PC 307+64.1 was necessary in order to plot sextant fixes for Aransas Causeway Channel Daybeacons 24 and 26. The position was obtained from the U. S. Engineers by letter, copy of which is attached.

It was not possible to plot Daybeacon 22 using the sextant fix furnished by the field party. By substituting DRAW 1934, for Aransas Pass Light, both of which are in approximately the same line of sight, a satisfactory position for Daybeacon 22 ^{was obtained.} This aid changed to light 14. Position checked by Field Edit.

38. CONTROL FOR FUTURE SURVEYS

Two forms 524 for two Recoverable Topographic Stations are submitted with this report. These stations are listed under paragraph 49.

39. JUNCTIONS

Junctions with Survey No. 9179 to the east, with Survey No. 9177 to the west, and with Survey No. 9184 to the south, are in agreement. To the north are the project limits.

40. HORIZONTAL AND VERTICAL ACCURACY

~~No comment.~~ See Review Report.

41.-45. Inapplicable

46. COMPARISON WITH EXISTING MAPS

This manuscript was compared with the U. S. Geological Survey, Aransas Pass quadrangle, scale 1:62,500 edition of 1925, reprinted 1935 and Air Photo Compilations No. T-5369, T-5370, and T-5367 (1934).

47. COMPARISON WITH NAUTICAL CHARTS

Survey No. T-9178 has been compared with U. S. C. &G. S. Chart No. 523, scale 1:40,000, published April 12, 1948 and corrected to 17 October 1949.

Items to be applied to nautical charts immediately

None.

Items to be carried forward

None.

Respectfully submitted
16 February 1950
Doris A. Maskell
Doris A. Maskell
Cartographic Photo. Aid

Approved and forwarded
30 March 1950
Hubert A. Paton
Hubert A. Paton
Comdr., USC&GS
Officer in Charge

Km.

48.

GEOGRAPHIC NAMES

- ✓ Aransas County (~~Commissioner Precinct No. 1~~)
- Aransas Pass (town) ✓
- ✓ Avenue A ✓
- ✓ Avenue B ✓
- ✓ Bayside Road ✓
- Central Church ✓
- ✓ Central Ward School ✓
- ✓ Corpus Christi Bay ✓
- ✓ Ingleside ✓
- ✓ Live Oak Ridge ✓
- ✓ Mexican Cemetery ✓
- ✓ McCampnell Ranch ✓
- ✓ McCampbell Slough ✓
- ✓ Nueces County (~~Commissioner Precinct No. 4~~)
- ✓ Port Bay ✓
- ✓ Prairie View Cemetery ✓
- ✓ Redfish Bay ✓
- ✓ Rincon ✓
- ✓ Rincon Ranch ✓
- ✓ San Patricio County (~~Commissioner Precinct No. 4~~)
- ✓ Shell Gin ✓
- ✓ Texas and New Orleans Railroad
- ✓ Willow Tank ✓
- Texas # 35
- Farm Road # 632

Names approved

4-5-57

A. J. W.

49. NOTES FOR THE HYDROGRAPHER

The two recoverable topographic stations shown on the manuscript are:

SEPH, (USE) 1949 ✓
RM 2, ARANSAS 1931 ✓

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9178

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 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 JW 14. Rocks, shoals, etc. JW 15. Bridges JW 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 23. Stereoscopic instrument contours 24. Contours in general 25. Spot elevations 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

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. Wardell Reviewer Joseph Steinberg Supervisor, Review Section of 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:

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

NAS Post Office, Corpus Christi, Texas POST OFFICE ADDRESS:

TELEGRAPH ADDRESS:

9 June 1949. EXPRESS ADDRESS:

To : The District Engineer,
U.S. Engineer Department,
Galveston District,
Galveston, Texas.

Subject: Bridge Clearance.

During the course of field work on a current planimetric and topographic mapping project, the horizontal and vertical clearances of the highway bridge over Puerto Bay, Aransas County, were measured and the following discrepancies between these measurements and those published in "List of Bridges Over Navigable Waters of the United States," dated 1 July 1941, were noted:

	<u>Published Source</u>	<u>Field Measurement</u>
Horizontal clearances:	14.0	12.6
Vertical Clearances :	6.5 above MHW	5.0 above MHW

The estimated mean high water referred to is the line of barnacles and other markings of the water level found on structural members.

Charles W. Clark,
Lt. Comdr., USCGS,
Chief of Party.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~NON-FLOATING AIDS~~ OR LANDMARKS FOR CHARTS

TO BE CHARTED } STRIKE OUT ONE
~~TO BE DELETED~~ } Baltimore, Maryland March 20 1950

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

The positions given have been checked after listing by Joseph W. Vonasek

Hubert A. Paton Chief of Party.

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED				
				LATITUDE		LONGITUDE					HARBOR CHART	INSHORE CHART	OFFSHORE CHART		
				°	'	°	'								
TANK	TEXAS	(Elev.) Steel, water, (125 ft. high) (Aransas Pass, New Municipal Tank, 1931)		27	54	947.8	97	08	1561.1	N.A. 1927	Tri T-9178	1931	X	X	53, 1285, 1286

Chart Letter 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.

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

March 20

1950

I recommend that the following objects which have ~~(been charted)~~ 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. Voresek

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							
			°	'	°	'						
TEXAS												
DAYBEACON	Aranas Causeway Channel Daybeacon	20 12	27 53	1382	97 07	948	M.A. Sextant 1927 Ph-36(48)	1949	X	X		523 1285, 1286
"	" Light 14 "	22	27 53	1572	97 07	1638	"	"	X	X		" "
"	" Light 16 "	24	27 54	52	97 08	482	"	"	X	X		" "
"	" " "	26	27 54	206	97 08	370	"	"	X	X		" "
<p style="color: red;">See Chart Letter 697(SI) for new positions</p> <p style="color: red;">Chart Letter 512(49)</p>												

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-9178

51. Methods.--Field edit was accomplished by riding out all roads to check their classification and inspect other planimetric features, and walking to other areas to furnish information requested by the reviewer.

Planetable and tape methods were used to locate all corrections and additions. On the field edit sheet violet ink was used for corrections and additions and green ink for deletions. Violet ink was also used for additions on the photographs. All corrections, additions and deletions have been noted on the field edit sheet and cross-referenced to the respective photographs. Field edit information is shown on one Field Edit Sheet plus a small section used for checking the aids to navigation around Aransas Pass. Also the following photographs: 48-0-1108 thru 1111 and 1118 thru 1122.

52. Adequacy of compilation.--From visual inspection the map appears well-compiled and will be adequate after application of field edit information.

53. Map accuracy.--No horizontal accuracy tests were specified. From visual inspection the accuracy of the map appears good.

54. Recommendations.--No recommendations are offered.

55. Examination of proof copy.--Mr. F. C. Bigelow, Secretary of the Town of Aransas Pass, has agreed to examine a proof copy of the map. It is believed he is qualified to make the examination as he is highly familiar with the area and can read a map with ease. His address is Aransas Pass, Texas.

No discrepancies were noted in geographic names.

56. Boundaries, Monuments and Lines.--The question raised by the reviewer as to where the county line crosses new fills, causeways and openings to flooded areas could not be definitely determined. The County Surveyor of Nueces County, the County Engineer of Nueces County and the County Surveyor of Aransas County were contacted. None of them could say with any certainty, as the line has never been surveyed. They all state it "follows the natural shoreline" and that's all they know. The following recommendations are offered.

1. Crossing openings to flooded areas.--Continue the line as though the opening was natural shoreline.

2. Crossing new fills and causeways.--Cross these on line with natural shoreline, or break the line and pick up on other side.

The Aransas Pass-Port Aransas causeway is now owned by Nueces County

and generally accepted as being entirely within Nueces County. This would indicate that the natural shoreline originally ran where the west end of the causeway now is.

There is no particular controversy, locally, over this line. Interested people are aware of its indefinite location and simply say "nobody knows" exactly where it is. *The boundary has been shown in its approximate position*

According to the Secretary of the town of Aransas Pass, the limits of the town are not monumented.

The city limits of Aransas Pass have recently been extended to include a part of Redfish Bay. A copy of the legal description is submitted to aid the compiler in drafting these limits on the map manuscript.

This boundary shown in its approximate position.

Respectfully submitted,
22 August 1951

William H. Shearouse
William H. Shearouse,
Cartographer

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-9178

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

Baltimore, Maryland

10 October 19 51

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

The positions given have been checked after listing by Frank M. Wisiecki

Hubert A. Paton 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							
<input checked="" type="checkbox"/> Daybeacon 18	Arkansas Pass Channel Daybeacon 18 Red Band with pointer on white pile, Red reflector		27 54	97 08	NA 1927	Plane- table T-9178	1951	X	X		523, 1285, 1286	
<input checked="" type="checkbox"/> LT. '16'	Arkansas Pass Channel Lt. 16, Fl. R., 4 sec. Red box on dolphin		27 53	97 08	" 342	"	"	X	X		" " " "	

Chart Letter 697 (51)

Review Report T-9178
Planimetric Map
October 22, 1952

62. Comparison with Registered Topographic Surveys.-

T-720 (rec)	1:50,000	1858
T-823	1:20,000	1861, 62, and 68
T-5369 (Supp)	"	1934
T-9296	"	1948

This map supersedes these surveys for nautical charting purposes.

63. Comparison with Maps of Other Agencies.-

USGS Aransas Pass Quad. 1:62,500 1925 Reprint 1945
Dredged channels and fills have changed the shoreline at Aransas Pass since the USGS survey was made.

The railroad to Port Aransas has been replaced by a road.

The discovery of oil NW of Aransas Pass has caused considerable cultural changes.

64. Comparison with Contemporary Hydrographic Surveys.- None

65. Comparison with Nautical Charts.-

Nautical Chart 523 1:40,000 1950

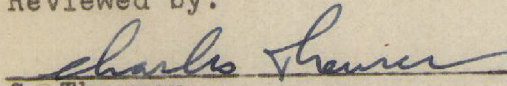
A boat slip south of Aransas Pass has not been shown on the chart. *Applied 2/3/54 - GFD.*

The area in Redfish Bay south of the causeway to Port Aransas is shown in green on the chart. This area should be shown in blue, the same as the area north of the causeway. ✓

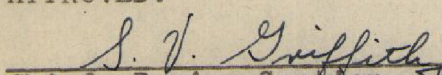
66. Map Accuracy.-This map conforms with National Map Accuracy Standards. See Review Report T-9176 for results of a horizontal accuracy test in this area.

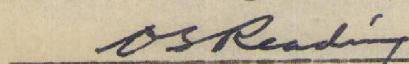
67. Application to Nautical Charts.-A new series of Intracoastal Waterway Charts, scale 1:40,000, were compiled using the maps of this project as bases. These charts have not been published at this date. The map manuscript was applied to Chart Nos. 892 and 893 before review. Minor changes in the storm water line and approximate low water line were made during review.

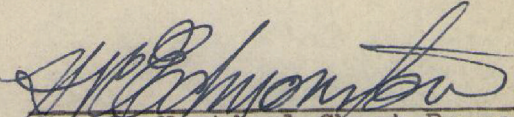
Reviewed by:

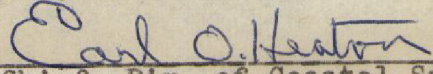

C. Theurer

APPROVED:


Chief, Review Section
Div. of Photogrammetry


Chief, Div. of Photogrammetry


Chief, Nautical Chart Branch
Div. of Charts *GFD*


Chief, Div. of Coastal Surveys

Wb

MT

