9179

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-9179

LOCALITY

State TEXAS

General locality ARANSAS BAY

Locality NORTH OF ARANSAS PASS

19~~4~~51

CHIEF OF PARTY

C.W.Clark, Chief of Party.
H.A.Paton, Baltimore Photogrammetric Office

LIBRARY & ARCHIVES

DATE Feb - 1 - 1954

8-1870-1 (1)

9179

DATA RECORD

T-9179

T

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

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
Supplement No. 2 (Field) 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): 1-3-50 Date reported to Nautical Chart Branch (IV): 1-6-50

Applied to Chart No. 892 Date: Feb 1952
893 Nov 1951
1285 Apr. 1950
1286 Apr. 1950

Date registered (IV): 6-31-53

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III):
~~Mean sea level~~ except as follows: M.H.W.
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): SKIFF, 1934

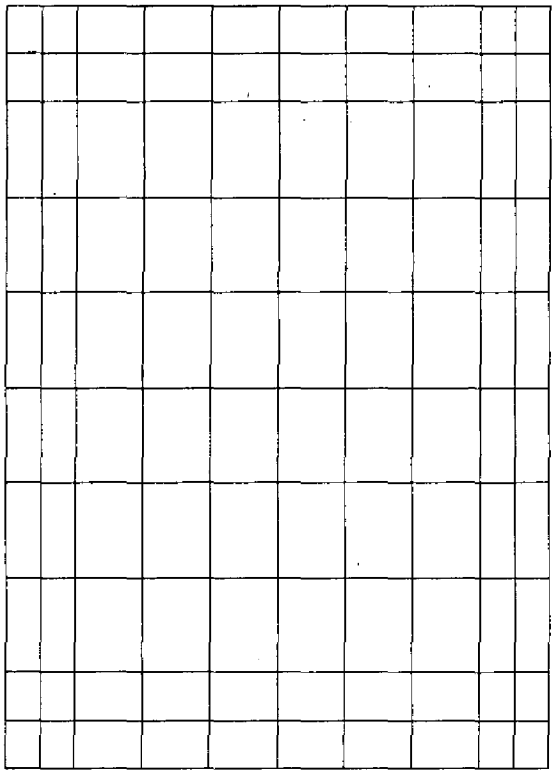
Lat 27° 55' 58.801" 1810.0 (36.9)m Long.: 97° 02' 35.510" 970.8(669.6) m Adjusted ~~Unadjusted~~

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)
. (II) (III)

Planimetric

DATA RECORD

Field Inspection by (II): L.F. Beugnet Date: April, May 1949

Planetable contouring by (II): None Date:

Completion Surveys by (II): W. H. Shearouse Date: Sept 5, 1951

Mean High Water Location (III) (State date and method of location): 12-9-48; 4-27-49
Identified on field photographs. See also paragraph 35.

Projection and Grids ruled by (IV): W.E.W. Date: 6/23/49

Projection and Grids checked by (IV): H.D.W. Date: 6/27/49

Control plotted by (III): Frank J. Tarcza Date: 7/28/49

Control checked by (III): Millard F. Kirk Date: 9/1/49

Radial Plot ~~or Stereoscopic Control extension~~ by (III): Frank J. Tarcza Date: 9/23/49

Stereoscopic Instrument compilation (III):
Planimetry Date:
Contours Date:

Manuscript delineated by (III): Ruth R. Hartley Date: 12/8/49

Photogrammetric Office Review by (III): J.W.Vonasek Date: 12/27/49

Elevations on Manuscript checked by (II) (III): J.W.Vonasek Date: 12/16/49

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

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
48-0-1079 to 1083 incl.	12/8/48	1005	1:20,000	Tide negligible -
48-0-1091 to 1094	"	1018	1:20,000	not computed.
48-0-1622 to 1625	" 12/9/48	1132	1:20,000	
48-0-1644 to 1650	" "	1143	1:20,000	
48-0-1787 to 1792	" "	1314	1:20,000	
48-0-1802 to 1809	" "	1323	1:20,000	
48-0-1833 to 1836	" "	1344	1:20,000	

Tide (III)

Diurnal

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

Reference Station: Galveston
Subordinate Station: Aransas Pass
Subordinate Station:

Washington Office Review by (IV): C. Thevrer Date: 10-30-52

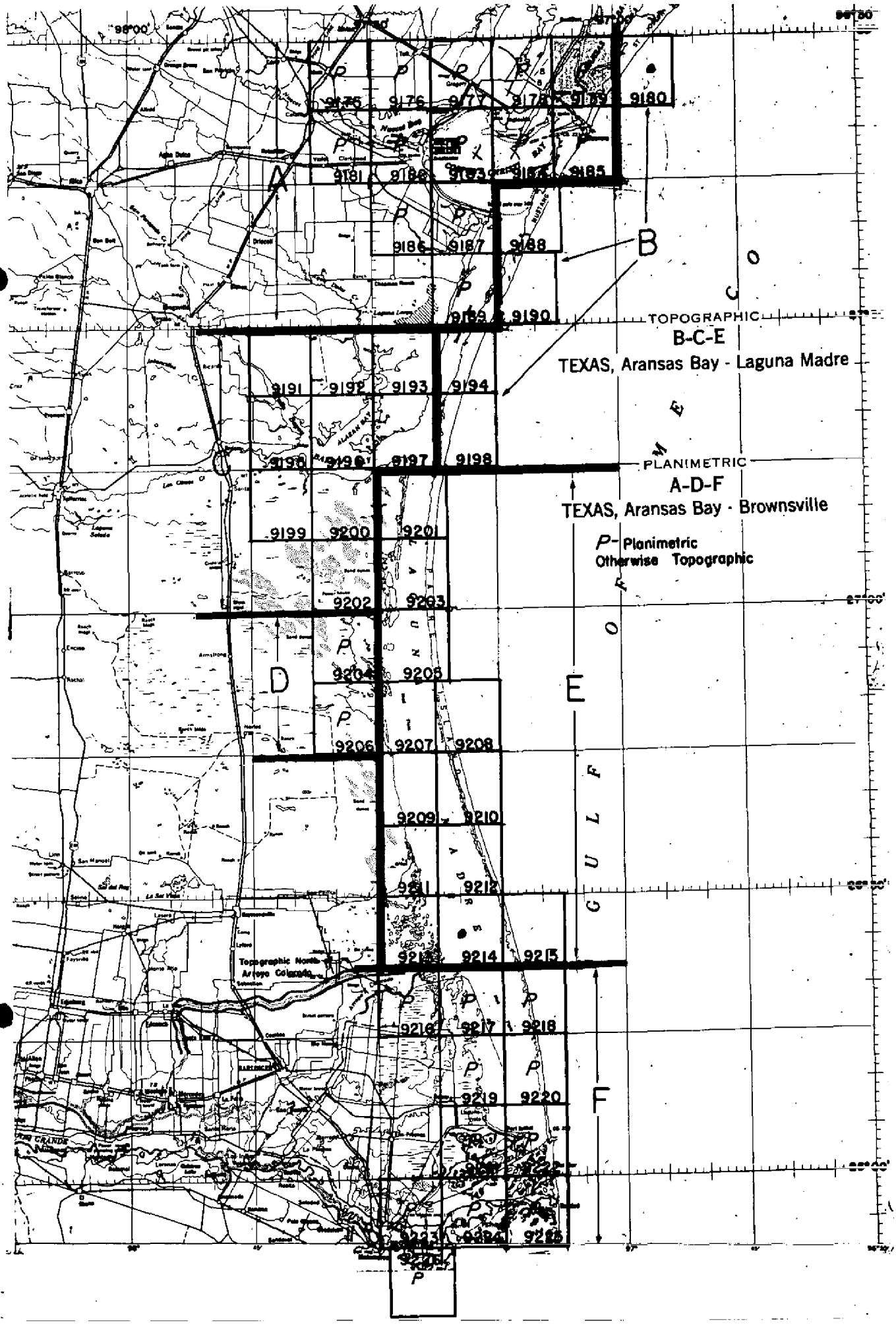
Final Drafting by (IV): E L Hunter Date: 5-6-53

Drafting verified for reproduction by (IV): W Wallin Date: 5-7-53

Proof Edit by (IV): W Stringfellow Date: 7-2-53

Land Area (Sq. Statute Miles) (III): 16 square miles
Shoreline (More than 200 meters to opposite shore) (III): 63 statute miles
Shoreline (Less than 200 meters to opposite shore) (III): 10 statute miles
Control Leveling - Miles (II): 0
Number of Triangulation Stations searched for (II): 8 Recovered: 7 Identified: 7
Number of BMs searched for (II): 11 Recovered: 10 Identified: 7
Number of Recoverable Photo Stations established (III): 8
Number of Temporary Photo Hydro Stations established (III):

Remarks:


TOPOGRAPHIC
B-C-E
TEXAS, Aransas Bay - Laguna Madre
PLANIMETRIC
A-D-F
TEXAS, Aransas Bay - Brownsville
P- Planimetric
Otherwise Topographic
A
B
C
D
E
F
GULF OF MEXICO
LAGUNA MADRE
Topographic North of Arroyo Colorado
RIO GRANDE

Summary T- 9179

Project Pa-36(40) 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 XV of Project Pa-14(46).

Information concerning Pa-36(40) 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 with the Project Completion Report.

2. AREAL FIELD INSPECTION.

This land area is composed of the mainland, parts of St. Joseph and Harbor Island, Lydia Ann Island and other numerous small islands. Parts of Redfish and Aransas Bays and the Gulf of Mexico are in the area.

Redfish Bay is an arm of Aransas Bay, and is a very shallow body of water of little importance. Aransas Bay is a larger protected body of water, and is of considerable importance, to the fishing industry.

That part of Harbor Island within the area is of little importance, being almost entirely marsh and uninhabited. Neither is that part of St. Joseph Island. Although St. Joseph Island is uninhabited, it is not marsh, being a typical barrier beach as found along the Atlantic and Gulf Coasts. It is an area of extensive sand dunes, most of which are constantly shifting. Some cattle are grazed on the scattered grassy areas of the island.

The Intra-coastal Waterway passes through the quadrangle in Aransas Bay and into Lydia Ann Channel between Harbor and St. Joseph Islands.

The Aransas Channel, which is the waterway connecting the town of Aransas Pass with the Intracoastal Waterway and the Gulf of Mexico, passes through the area.

There are no incorporated towns within the area. The town of Aransas Pass is immediately west of the quadrangle, and the town of Rockport is to the north. Bdy of Aransas Pass changed to include part of this quad.

Transportation facilities for the area are freight facilities of a branch of the Texas and New Orleans Railroad of the Southern Pacific Lines, that afforded by the waterways, and Texas State Highway No. 35.

Texas State Highway No. 35 is the only through road in the area. It is an excellent route connecting the small towns of the region with the populated shopping and manufacturing districts to the south and north.

Fishing is probably the most important industry in the area with agriculture next in importance. The oil industry has not developed to any great extent.

The various phases of field work were done on 1:20,000 scale, single lens ratio prints and 1:20,000 scale, single lens contact prints, depending on which afforded the best coverage. Where possible, horizontal and vertical control identification and interior field inspection were done on the ratio prints and shoreline inspection and establishment of topographic stations was done on the contact prints.

Interpretation of the photographs was not difficult as they were of recent date. The photographic tones vary from white in sand and shell areas through intermediate ranges of grey to almost black in marsch and grass in water areas.

3. HORIZONTAL CONTROL.

Rockport Municipal Water Tank, 1949, was located by this party as a landmark during the course of location of fixed aids to navigation by triangulation methods - with the exception of day beacons. These stations, if needed, can be considered 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 coast and Geodetic Survey triangulation stations and Geological Survey traverse stations were reported lost on Form 526:

PORT, 1911, (north of map).
PTS 46Y 1923 Texas H22 (north of map).
PTS 47Y 1923 Texas H21 (north of map).
PTS 48Y 1923 Texas H19 (north of map).
Rockport Breakwater Beacon, 1934, (north of map).
ISLE, 1934.

Identification of RM2 PORT, 1911 was classified doubtful because the disk was not stamped and no other marks were recovered. By all indications the mark recovered and identified was RM No. 2.

4. VERTICAL CONTROL.

The following second-order bench marks of this bureau were recovered:

B 605	B 603
C 605	C 603
D 605	Shell, 1934
E 605	RM No. 1, Shell, 1934
F 605	RM No. 2, Shell, 1934
G 605	Magnetic Station

The following bench marks of the Geological Survey were recovered. Their order of accuracy ~~are~~ is unknown:

PTS 49Y 1923 Texas H18
PTS 50Y 1923 Texas H17

5. CONTOURS AND DRAINAGE:

Contours not applicable.

Drainage is all intermittent and is easily interpreted from the photographs with no explanatory notes.

6. WOODLAND COVER:

Woodland cover is mesquite, scrub oak, cactus and chaparral with mesquite the most predominate growth. Classification was all "S" (Scrub) in accordance with Photogrammetry Instructions No. 21, dated 18 August 1948. See Field Inspection Report T-9178 (1949).

7. SHORELINE AND ALONGSHORE FEATURES.

See Review Report - T 9180

Changes in water level of Aransas Bay in most of the area is due to the winds as the periodic tide is negligible except in Lydia Ann Channel.

Shoreline Inspection was done in accordance with "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.

The majority of the many islands usually have a narrow shell fringe adjacent to deeper water with a definite MHWL along the shell. Toward shoal water the shell gives way to marsh which, in most instances, gradually becomes grass in water.

That part of Harbor Island in this quadrangle is composed of terrain similar to that described in the preceding paragraph. Some of the smaller islands on the Lydia Ann Channel side of the island have more fast land than other islands to the north. On the west side, the island is entirely grass in water. This growth is not solid. The outer edge of this grass in water is very irregular. The approximate outer edge has been generalized and shown on the Photographs.

The approximate mean low water line was shown on the photographs along Lydia Ann Channel where the periodic tide exerts its influence.

All docks, wharves, piers and similar shoreline structures are adequately covered by the photographs.

8. OFFSHORE FEATURES.

A stranded wreck just inside the north entrance to Corpus Christi Bayou was indicated on the field photographs.

There were no other offshore features noted.

9. LANDMARKS AND AIDS.

All landmarks for nautical charts reported on form ~~657~~ 567.

There are no aeronautical aids.

For location of aids to navigation, 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.

The following are recoverable topographic stations established:

49 (USE)	QUART (USE)
COOK	FISH
DATE	ABLE
BAKE	ECHO

12. OTHER INTERIOR FEATURES:

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

All buildings were classified in accordance with Photogrammetry Instructions No. 29, dated 1 October 1948.

The clearances of the single span bascule draw-bridge on the Port Aransas Causeway over Morris and Cummings Cut were measured and found to be in agreement with the clearances as listed in "List of Bridges Over Navigable Waters of the United States," edition of 1 July 1941.

On the north side of the bridge discussed in the preceding paragraph, there are two overhead cable crossings. The vertical clearance of the lower one was determined by plane table methods and found to be 56.7 feet above estimated mean high water level. The charted clearance is 61 feet. This discrepancy was reported to the Director by letter and a copy attached hereto.

13. GEOGRAPHIC NAMES.

Geographic names will be the subject of a special report. The title of the report and area covered thereby are not know at this time.

14. 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."

"Special Report, Coast Pilot Information, Project Ph-36(48)."

A special report on geographic names.

Letter of Transmittal Ph-36, Field 4.

Submitted:
27 May 1949.

I.M. Fitzgerald
I.M. Fitzgerald
Cartographer.

Approved:
14 June 1949.

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

Photogrammetry

MAP T-9179 PROJECT NO. PH-36(48)A SCALE OF MAP 1:20,000 SCALE FACTOR none

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
CLEAR, 1934 ✓	G-2874 P.55	N.A. 1927	27 56 53.845 97 00 02.493			1657.5 (189.5) 68.1 (1572.1)	
SUB.PT. CLEAR, 1934			27 56 97 00			1650.6 (196.4) 41.6 (1598.6)	
SHELL, 1934 ✓	G-2874 P.55	N.A. 1927	27 59 45.415 97 03 43.415			1398.0 (448.9) 1186.3 (453.2)	
SUB.PT. SHELL, 1934			27 59 97 03			1407.0 (439.9) 1207.9 (431.6)	
(TEXAS H-18) ✓ P.T.S.No.49-Y,1923	USGS-ARANSAS PASS QUAD P. 1	N.A.	27 59 19.10 97 04 50.51	587.9 (1259.0) 1380.2 (259.3)	+ 3.1 - 25.4	591.0 (1255.9) 1354.8 (284.7)	
SUB.PT. P.T.S. 49-Y,1923			29 59 97 04			643.2 (1203.7) 1363.1 (276.4)	
SUB.PT. P.T.S. 50-Y, 1923 ✓			27 57 97 06			722.3 (1124.6) 529.5 (1110.6)	
TRACK, 1934 ✓	G-2874 P. 70	N.A. 1927	27 57 03.570 97 06 31.513			109.9 (1737.0) 861.4 (778.7)	
SUB. PT. TRACK, 1934			27 57 97 06			145.3 (1701.6) 850.0 (790.1)	
DRAW, 1934 ✓	G-2874 P.70	N.A. 1927	27 53 25.970 97 06 39.249			799.4 (1047.5) 1073.5 (567.6)	
SUB.PT. DRAW,1934			27 53 97 06			791.1 (1055.8) 1105.3 (535.8)	
SKIFF,1934 ✓	G-2874 P.70	N.A. 1927	27 55 58.801 97 02 35.510			1810.0 (36.9) 970.8 (669.6)	

Page 12

1 FT. = .3048006 METER M-2388-12

COMPUTED BY: F.J.Tarcza DATE July 19,1949 CHECKED BY: M L.Rosenberg DATE July 26,1949

Photogrammetry

MAP T-9179 PROJECT NO. Ph-36(48)A SCALE OF MAP 1:20,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID OR PROJECTION LINE IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
SUB. PT. SKIFF, 1934			27 55 97 02	1950 AT 21ST		1831.3 (15.6) 908.0 (732.4)	
ARANSAS BAY LIGHT 97,1949 d	G-8133 P-2 T.C. p.114	N.A. 1927 Field office	27 59 06.046 97 02 29.916	21. 1946-1948		-186.1 (1660.8) -817.5 (822.1)	
ARANSAS BAY LIGHT 108,1949 d	G-8133 P-2 114	Computations "	27 58 15.601 97 03 20.267	1938-1949		480.2 (1366.7) 553.9 (1085.9)	
ARANSAS BAY LIGHT 115,1949 d	G-8133 P-2 114	"	27 57 24.646 97 03 25.229	1943-1948		758.6 (1088.3) 689.6 (950.5)	
ARANSAS BAY LIGHT 123,1949 d	" " 114	"	27 56 32.685 97 03 33.158	1938		1006.1 (840.8) 906.3 (734.0)	
ARANSAS BAY LIGHT 133, 1949 d	" " 114	"	27 55 17.516 97 03 23.112	1938-1948		539.2 (1307.7) 632.0 (1008.6)	
ARANSAS BAY LIGHT 139,1949 d	" " p 167	"	27 54 39.769 97 03 08.986	1938-1949		1224.2 (622.7) 245.7 (1395.1)	
ARANSAS BAY LIGHT 145,1949 d	" " "	"	27 53 57.532 97 02 59.900	1938-1950		1771.0 (75.9) 1638.1 (2.8)	
ARANSAS BAY LIGHT 147,1949 d	" " "	"	27 52 40.576 97 02 40.283	1938-1949		1249.0 (597.9) 1101.9 (539.4)	
(TEXAS H-17) PTS No.50-Y,1923	USGS ARANSAS PASS QUAD P.2	N.A.	27 57 21.93 97 06 20.74	675.0 (1171.9) 566.9 (1073.2)	+3.1 -25.4	678.1 (1168.8) 541.5 (1098.6)	

Page 13

1 FT. = .3048006 METER

COMPUTED BY: F.J.Tarcza DATE July 19, 1949 CHECKED BY: M.L.Rosenberg DATE July 26,1949

M-2388-12

COMPILATION REPORT

PHOTOGRAMMETRIC PLOT REPORT

The report for the area of this survey is part of the descriptive report for Survey No. T-9175.

31. DELINEATION

Graphic methods were used to compile this manuscript.

Both field inspection and photographic coverage were adequate and no difficulties were encountered.

An enlarged sketch of the bridge over Morris and Cummings Cut has been shown in the margin of the manuscript, because of insufficient space to label the features shown in that area.

A discrepancy overlay is being submitted with the manuscript.

32. CONTROL

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

33. SUPPLEMENTAL DATA

1. Lithographic copy of T-5369 for comparison.
2. General Land Office map of Aransas showing the boundary between Aransas and Nueces Counties.
3. Geographic name standards dated 4 November 1949, furnished on Charts 1285 and 1286 and the U.S.G.S. Aransas Pass quadrangle.

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. The low water line on the west side of St.Joseph Island has been shown according to field inspection. No other low water line has been shown.

The MHWL on the west side of St. Joseph Island in the vicinity of Lydia Ann Island was sketched on field photograph No. 1623 and 1624 showing the shoreline as of 27 April 1949.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Form 567 and Form 524 are being submitted for the one landmark, "TWIN STACKS". A Form 567 and a planetable survey sheet were submitted by the field party in Project Ph-14(46) for "TWIN STACKS" but this position proved to approximately 70 meters southwest of the one pricked by the 1949 field party.

Twelve daybeacons were located by sextant fixes. Forms 567 for non-floating aids were submitted by the field party 10 June 1949. Forms 567 dated 22 December 1949 are being submitted with this report listing all the aids and landmarks in the area of this survey.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 for seven recoverable topographic stations and one landmark are being submitted. One station, ECHO 1949, was listed in the field report but this station is to the south of this manuscript.

A list of the recoverable topographic stations is included in paragraph 49.

39. JUNCTIONS

Junctions with Surveys Nos. T-9296 to the north, T-9178 to the west, and T-9185 to the south, have been made and are in agreement. Junction with Survey No. T-9180 will be made when that survey is completed.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 through 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

T-9179 was compared with T-5369(1934) (Aransas Pass to Nine Mile Point), scale 1:20,000, of this bureau.

46. COMPARISON WITH EXISTING MAPS (continued)

T-9179 was also compared with the U.S.G.S. Aransas Pass, Texas quadrangle, scale 1:62,500, edition of 1925, reprinted 1945.

47. COMPARISON WITH NAUTICAL CHARTS

T-9179 has been compared with nautical chart No. 523, scale 1:40,000 published 12 April 1948, corrected to 17 October 1949.

T-9179 has also been compared with Nautical Chart No. 1283, scale 1:80,000 published 28 February 1949, corrected to 14 October 1949.

Items to be applied to the charts immediately

None.

Items to be carried forward

None.

Respectfully submitted
9 December 1949

Ruth R. Hartley
Ruth R. Hartley
Cartographic Draftsman
Compilation and Descriptive Report

Approved and forwarded
30 December 1949

Hubert A. Paton
Hubert A. Paton
Officer in Charge
Baltimore Photogrammetric Office

48. GEOGRAPHIC NAMES

Aransas Bay
Aransas Channel
Aransas County

Big Bayou

California Hole
Corpus Christi Bayou

Estes Cove

Grass Island
Gulf of Mexico

Harbor Island
Hog Island

Intracoastal Waterway

Live Oak Peninsula
Lydia Ann Channel
Lydia Ann Island

Middle Pass
Morris and Cummings Cut
Mud Island
Mud Island Point
Murray Shoal

North Pass
Nueces County

Old Terminal

Port Aransas Causeway

Quarantine Shore

Redfish Bay

St. Joseph Island
Shellbanks
South Bay
Stedman Island

Talley Island
Texas and New Orleans (S.P.Lines)
The Cove
Traylor Island
Trout Bayou
Turtle Bayou

Names approved
3-29-51
a.j.w.

49. NOTES FOR THE HYDROGRAPHER

The following recoverable topographic stations are shown on T-9179:

ABLE, 1949
BAKE, 1949
COOK, 1949
DATE, 1949
FISH, 1949
QUART, 1949
49 (USE), 1949

One landmark is also shown - "TWIN STACKS".

Form T-2

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T. 9179

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

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads jmw 28. Buildings jmw 29. Railroads jmw 30. Other cultural features jmw

BOUNDARIES

31. Boundary lines jmw 32. ~~Public land lines~~ _____

MISCELLANEOUS

33. Geographic names jmw 34. Junctions jmw 35. Legibility of the manuscript jmw 36. Discrepancy overlay jmw 37. Descriptive Report jmw 38. Field inspection photographs jmw 39. Forms ? jmw
40. Joseph W Vondrak — 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:

M-2623-12

Form 567
April 1945

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. 352 22 December, 1949

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

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

Hubert A. Paton *Chief of Party.*

STATE	TEXAS		POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE		LONGITUDE		DATUM						
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	D.M. METERS	° ′	D.P. METERS							
TWIN STACKS	Steel (75 ft. high)	7/11/52 OK JWV	27 56	993	97 07	171	N.A. 1927	Rad.Plot T-9179	1949		x		1285

Chart Letter 512(49)

Form 567
April 1945

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~~ 22 December, 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 Joseph W. Vonasek

Hubert A. Paton *Chief of Party.*

STATE TEXAS

CHARTING NAME	DESCRIPTION	1939 List	SIGNAL NAME	POSITION LAT ° '	LAT D.M. METERS	POSITION LONG ° '	LONG D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
✓	ARANSAS BAY LIGHT ~~97~~	New # 55 1941-1948		27 59	~~187.0~~ 186.1	97 02	~~419.0~~ 817.5	TC p.166 N.A. 1927	Triang. T-9179	1949		x		1285
✓	" " " ~~108~~	New # 60 1936-1949		27 58	480.2	97 03	~~554.0~~ ~~553.9~~	office Field " Computations	"	"		x		1285
✓	" " " ~~115~~	New # 65 1943-1946		27 57	758.6	97 03	689.6	" "	"	"		x		1285
	" " " ~~123~~	New # 69 1938		27 56	1006.1	97 03	906.3	" "	"	"		x		1285
✓	" " " ~~133~~	New # 75 1936-1948		27 55	~~539.2~~ 0	97 03	~~631.8~~ 632.0	" "	"	"				1285, 523
✓	" " " ~~139~~	New # 79 1938-1949		27 54	1224.2	97 03	245.7	" 167	"	"		x		1285, 523, 1286
✓	" " " ~~145~~	New # 83 1938-1950		27 53	~~1771.0~~ 0.9	97 02	1638.1	" "	"	"		x		" " "
✓	" " " ~~147~~	New # 85 1938-1949		27 52	1249.0	97 02	1101.9	" "	"	"		x		" " "

Chart Letter 512(49)

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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. 22 December 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 Joseph W. Vonasek

Hubert A. Paton *Chief of Party.*

STATE TEXAS

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LAT. D.M. METERS	POSITION LONGITUDE ° ′	LONG. D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
Daybeacon 1	Turtle Bayou Dump		27 58	1120	97 03	275	N.A. 1927	Sextant Fix T-9179	1949		x		1285
" 2	Turtle Bayou Dump		27 58	1250	97 03	176	"	"	"		x		1285
" 1	Corpus Christi Bayou		27 55	12 995 400	97 03	50.797 1389	"	"	"		x		523 1285
~~" 8~~	~~Aransas Causeway Channel~~ Delete ch let 697(51)		~~27 52~~	~~1278~~	~~97 05~~	~~1111~~	"	"	"		x		1285, 523 1286
"	Aransas Causeway Channel Obstruction		27 52	1461	97 05	1281	"	"	"		x		" " "
L+ # 6 ~~" 10~~	Aransas Causeway Channel		27 52	1741	97 05	1571	"	"	"		x		" " "
~~" 12~~	~~Aransas Causeway Channel~~ Delete ch letter 697(51)		~~27 53~~	~~385~~	~~97 06~~	~~392~~	"	"	"		x		" " "
~~" 14~~	~~Aransas Causeway Channel~~ Delete ch let. 697 (51)		~~27 53~~	~~716~~	~~97 06~~	~~732~~	"	"	"		x		" " "
~~" 16~~	~~" "~~ Delete ch let 697 (51		~~27 53~~	~~1015~~	~~97 06~~	~~1206~~	"	"	"		x		" " "
Dayb'n # 10 ~~" 18~~	Aransas Causeway Channel		27 53	1197	97 07	258	"	"	"		x		" " "
" 1	Rockport South Dump		27 59	1200	97 02	391	"	"	"		x		1285
" 2	Rockport South Dump		27 59	1354	97 02	256	"	"	"		x		1285
		Chart Letter 512(49)											

Field Edit Report, T-9179

51. Methods.--Field edit was accomplished by riding out all roads to check their classification and inspect other planimetric features. The water area was inspected by skiff.

Planetable and tape methods were used to locate all additions and corrections, except an uncharted wreck. A sextant fix was taken to locate the wreck.

Violet ink was used for additions and corrections and green ink was used for deletions.

Additions, corrections and deletions have been noted on the Field Edit Sheet and cross-referenced to the proper photograph. Field edit information is shown on the Field Edit Sheet and the following photographs: 48-0-1091 thru 1093, 1080, 1083, 1645 and 1650.

52. Adequacy of compilation.--The manuscript appears well-compiled and will be adequate after application of the 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.--Mr. F. C. Bigelow, Secretary of the Town of Aransas Pass, has agreed to examine a proof copy of the map. He is a long-time resident of the area and it is believed he is qualified to make the examination. His address is Aransas Pass, Texas.

56. Boundaries, monuments and lines.--See item 56, Field Edit Report for quadrangle T-9178.

Respectfully submitted,
5 September 1951

William H. Shearouse

William H. Shearouse,
Cartographer

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April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SECTION

T-9179

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED / ~~TO BE DISCONTINUED~~ } STRIKE OUT ONE

Baltimore, Maryland — 11 October, 1951

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

The positions given have been checked after listing by L. A. Senasack

L. A. Senasack

Hubert A. Paton *Chief of Party.*

STATE Texas

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LATITUDE D.M. METERS	LONGITUDE ° ′	LONGITUDE D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
Paybeacon ✓ 1	4x4 posts painted in alternating white and black bands with red reflectors. The posts are 6 ft. out of the water and maintained by Atlantic Oil and Refining Co. The aids are subject to frequent shifting.		27 53	982	97 06	785	N.A. 1927	Planetable T-9179	Sept. 1951		x		1285, 523, 1286
✓ 2.	" " "		27 53	1043	97 06	744	"	"	"		x		" " "
✓ 3	" " "		27 53	1108	97 06	697	"	"	"		x		" " "
✓ 4	" " "		27 53	1170	97 06	642	"	"	"		x		" " "
✓ 5	" " "		27 53	1292	97 06	538	"	"	"		x		" " "
✓ 6	" " "		27 53	1482	97 06	298	"	"	"		x		" " "
✓ 7	" " "		27 53	1502	97 06	228	"	"	"		x		" " "
✓ 8	" " " Chart Letter		27 53	1551	97 06	155	"	"	"		X		" " "
✓ 9	" " " 697 (51)		27 53	1602	97 06	77	"	"	"		x		" " "
✓ 10	" " "		27 53	1659	97 05	1632	"	"	"		x		" " "
✓ 11	" " "		27 53	1714	97 05	1539	"	"	"		x		" " "

PHOTOGRAMMETRIC REVIEW SECTION

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-9177

NONFLOATING AIDS ~~OR LANDMARKS FOR CHARTS~~

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

~~Baltimore, Maryland~~ 11 October, 1951

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

The positions given have been checked after listing by Leroy A. Senasack
Leroy A. Senasack

Hubert A. Paton *Chief of Party.*

STATE Texas

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LATITUDE D.M. METERS	LONGITUDE ° ′	LONGITUDE D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
aybeacon 12	4x4 posts painted in alternating white and black bands with red reflectors. The posts are 6 ft. out of the water and maintained by Atlantic Oil and Refining Co. The aids are subject to frequent shifting.		27 53	1741	97 05	1475	NA 1927	Planetable T-9179	Sept 1951		x		1285,523 1286
13	" " "		27 53	1764	97 05	1357	"	"	"		x		" " "
14	" " "		27 53	1763	97 05	1297	"	"	"		x		" " "
15	" " "		27 53	1759	97 05	1223	"	"	"		"		" " "
16	" " "		27 53	1754	97 05	1110	"	"	"		"		" " "
17	" " "		27 53	1816	97 05	807	"	"	"		"		" " "
18	" " "		27 54	10	97 05	726	"	"	"		"		" " "
19	" " "		27 54	131	97 05	528	"	"	"		"		" " "
20	" " "		27 54	230	97 05	436	"	"	"		"		" " "
21	" " "		27 54	322	97 05	371	"	"	"		x		" "
22	" " "		27 54	417	97 05	317	"	"	"		x		" "
23	" " "		27 54	520	97 05	271	"	"	"		x		" "

Chart Letter
697 (51)

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April 1945

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

Baltimore, Maryland — 11 October, 1951

I recommend that the following objects which have *(have not)* ~~xxxxxx~~ 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 L. A. Senasack

~~Hubert A. Paton~~ *Chief of Party.*

STATE Texas

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LAT. D.M. METERS	POSITION LONGITUDE ° ′	LONG. D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
Daybeacon 24	4x4 posts painted in alternating white and black bands with red reflectors. The posts are 6 ft. out of the water and maintained by the Atlantic Oil and Refining Co. The aids are subject to frequent shifting.		27 54	620	97 05	215	N A 1927	Planetable T-9179	Sept. 1951	X			1285, 523, 1286
25	" " "		27 54	718	97 05	158	"	"	"	X			" " "
26	" " "		27 54	824	97 05	112	"	"	"	X			" " "
27	" " "		27 54	890	97 05	77	"	"	"				" " "
28	" " "		27 54	975	97 05	48	"	"	"				" " "
29	" " "		27 54	1167	97 05	51	"	"	"				" " "
30	" " "		27 54	1434	97 05	68	"	"	"				" " "
31	" " "		27 54	1542	97 05	75	"	"	"				" " "
32	" " "		27 54	1759	97 04	1629	"	"	"				" " "
33	" " "		27 54	1772	97 05	8	"	"	"				" " "
34	" " "		27 55	4	97 04	1569	"	"	"				" " "
35	" " "		27 54	1830	97 05	112	"	"	"				" " "

Chart Letter 697 (51)

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April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SECTION Ph 34

NONFLOATING AIDS ~~OR LANDMARKS FOR CHARTS~~

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

Baltimore, ~~Maryland~~ October 11, 1951

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 L. A. Senasack

L. A. Senasack

Hubert A. Paton *Chief of Party.*

STATE TEXAS

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LAT. D.M. METERS	POSITION LONGITUDE ° ′	LONG. D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
Daybeacon ✓8	Aransas Causeway Channel		27 52	1278	97 05	1111	N.A. 1927	Sextant Fix	1949		x		1285, 523, 1286
~~12~~	" " "		27 53	375	97 06	392	"	T-9179 "	"		x		"
~~14~~	" " "		27 53	716	97 06	732	"	"	"		x		"
~~16~~	" " "		27 53	1015	97 06	1206	"	"	"		x		"

Chart Letter
697 (51)

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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

Baltimore, Maryland — 11 October, 1951

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 L.A.Senasack

L. A. Senasack

Hubert A. Paton *Chief of Party.*

STATE TEXAS

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LAT. D.M. METERS	POSITION LONGITUDE ° ′	LONG. D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
Daybeacon 36 ✓	4x4 posts painted in alternating white and black bands with red reflectors. The posts are 6 ft. out of the water and maintained by the Atlantic Oil and Refining Co. The aids are subject to frequent shifting.		27 55	25	97 05	178	N.A. 1927	Planetable T-9179	Sept. 1951		x		1285,523 1286
37 ✓	" " "		27 55	73	97 05	263	"	"	"		"		" " "
38 ✓	" " "		27 55	152	97 05	391	"	"	"		"		" " "
39 ✓	" " "		27 55	205	97 05	484	"	"	"		"		" " "
40 ✓	" " "		27 55	263	97 05	581	"	"	"		"		" " "
41 ✓	" " "		27 55	331	97 05	703	"	"	"		"		" " "
42 ✓	" " "		27 55	410	97 05	881	"	"	"		"		" " "
43 ✓	" " Chart Letter		27 55	585	97 05	1119	"	"	"		"		" " "
44 ✓	" " 697 (51) "		27 55	745	97 05	1393	"	"	"		"		" " "
45 ✓	" " "		27 55	893	97 06	4	"	"	"		"		" " "
LT. 8 ✓	Aransas Pass Channel Light 8, Gk.Fl.F. Red Box on dolphin		27 53	932	97 06	962	"	"	"		"		" " "

Review Report T-9179
Planimetric Map
October 30, 1952

62. Comparison with Registered Topographic Surveys.-

T-720 (Rec)	1:50,000	1858
Misc. 8	1:20,000	1863
T-823	1:20,000	1861, 62, & 68
T-5369 (Supp)	1:20,000	1934
T-6229 (Graph Control)	1:10,000	1934
T-6662 " "	1:20,000	1934
T-9296	1:20,000	1948

This map supersedes these surveys for nautical charting purposes with the exception of location of buoys on T-9296.

63. Comparison with Maps of Other Agencies.-
USGS Aransas Pass Quad 1:62,500 1925 Reprint 1945
North and Middle Passes dividing St. Josephs Island are now closed.
The railroad to Port Aransas shown on the USGS Quadrangle has been replaced by a road.
Dredging of channels has created many spoil islands in Redfish Bay.

64. Comparison with Contemporary Hydrographic Surveys.-None

65. Comparison with Nautical Charts.-

Chart No. 1285	1:80,000	1941 Corr. 1952
Chart No. 523	1:40,000	1950 Corr. 1952

The shoreline on the Nautical Charts does not agree with the shoreline on the map manuscript because of special treatment of its delineation in this area. See Review Report T-9180 for details.
A channel, daybeacons and spoil banks NW of California Hole are not shown on the charts.

66. Map Accuracy.-This map conforms with the National Standards of Map Accuracy. 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 Ph-36 as bases before review. These charts are being reproduced at this date but are not available for comparison. Charts No. 892 and 893 cover the area of the map manuscript. Extensive changes in the approximate LW line were made during review.

Reviewed by:

Charles Theurer
C. Theurer

APPROVED

S. V. Griffith 1/21/54
Chief, Review Section
Div. of Photogrammetry

H. A. Edmonston
Chief, Nautical Chart Branch
Div. of Charts.

O S Reading
Chief, Div. of Photogrammetry

Earl O. Heaton
Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T9179

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
11/19/51	893	E.G. McGann	Before ~~After~~ Verification and Review
	1285	(See back cover)	Before After Verification and Review
	1286		Before After Verification and Review
Feb. 1952	892	Norfolk	Before ~~After Verification and~~ Review Completely
1/10/53	892	Gann	~~Before~~ After Verification and Review completely applied
12-30-53	1286	N. D. 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

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.

Partially applied charts 1285 - 1286 April 1950 DH Bauman