9189

Diag. Cht. No. 1286-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC

Field No. Ph-36(48)A Office No. T-9189

LOCALITY

State TEXAS

General locality LAGUNA MADRE

Locality PITA ISLAND

194 51

CHIEF OF PARTY

G.E.Morris,Jr., Chief of Party

H. A. Paton,Baltimore Photogrammetric Offic

LIBRARY & ARCHIVES

DATE Sept - 25 - 1953

B-1870-1 (1)

9189

DATA RECORD

T - 9189

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

Field Office (II): Corpus Christi, Texas Chief of Party: G. E. Morris, Jr.

Photogrammetric Office (III): Baltimore Officer-in-Charge: Hubert A. Paton

Instructions dated (II) (III):
14 February 1949
26 July 1949)
28 July 1949) Supplement No. 2
8 June 1949)
24 Feb. 1950 - Supplement No. 1

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): none

Date received in Washington Office (IV): 7 Sept 1950 Date reported to Nautical Chart Branch (IV): 9-12-50

Applied to Chart No. 1286 Date: 11-14-50 Date registered (IV): 7-30-53
893 11-17-51

Publication Scale (IV): ~~not published~~ 1:20000 Publication date (IV): 1953

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): HARDPAN, 1912

Lat.: 27° 33' 44.237"(1361.6m) Long.: 97°19' 27.862" (764.3m) Adjusted
~~Unadjusted~~

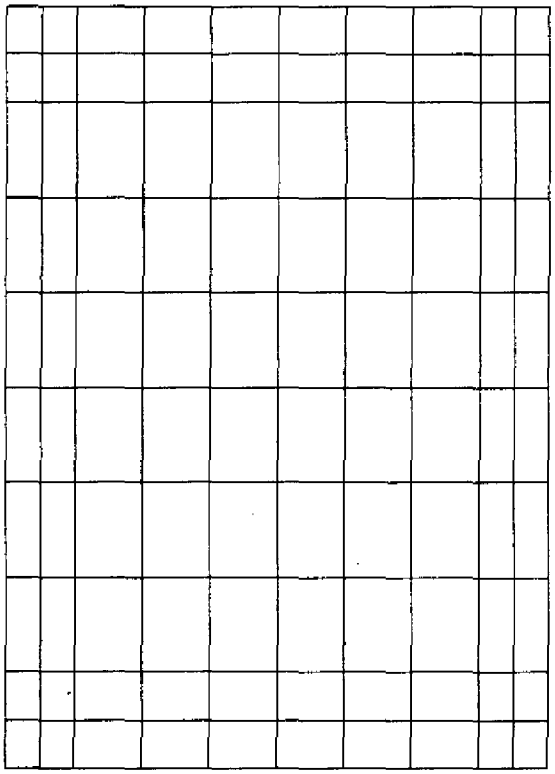
Plane Coordinates (IV): State: Zone:

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.

M-2618-12(4)



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

PLANIMETRIC

DATA RECORD

Field Inspection by (II): J.H.Clark, H.M.White — Date: March, April, and June 1949

Planetable contouring by (II): None — Date:

Completion Surveys by (II): W. H. Shearouse — Date: 16 Oct. 1951

Mean High Water Location (III) (State date and method of location): 12-8-48 and 12-9-48
Identified on field photographs

Projection and Grids ruled by (IV): W.E.W. — Date: 6-27-49

Projection and Grids checked by (IV): W.E.W. — Date: 6-27-49

Control plotted by (III): F.J.Tarcza — Date: 8-12-49

Control checked by (III): M.F.Kirk — Date: 8-29-49

Radial Plot ~~of Stereoscopic Control extension~~ by (III): F.J.Tarcza — Date: 9-23-49

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

Manuscript delineated by (III): M.L.Bloom — Date: 12-20-49

Photogrammetric Office Review by (III): R.Glaser — Date: 3-3-50

Elevations on Manuscript checked by (II) (III): — Date:

M-2618-12(4)

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

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
48-O-1139	12-8-48	1102	1:20,000	negligible
48-O-1140	"	1102	"	
48-O-1141	"	1103	"	(not computed)
48-O-1171	"	1126	"	
48-O-1172	"	1127	"	
48-O-1173	"	1127	"	
48-O-1597	12-9-48	1124	"	
48-O-1598	"	1124	"	
48-O-1671 to 48-O-1675 incl.	"	1152 to 1153	"	
48-O-1846 to 48-O-1853 incl.	"	1352 to 1355	"	

**

Tide (III)

Diurnal

Ratio of Ranges	Mean Range	Spring Range
1.0	1.0	1.4

Reference Station: Galveston, Texas
Subordinate Station: The mean range of tide in Laguna
Subordinate Station: Madre is less than ½ foot

Washington Office Review by (IV): Charles Hanavick Date: 29 Aug. 1952

Final Drafting by (IV): W. P. TAYLOR Date: 1/16/53

Drafting verified for reproduction by (IV): W. O. Hallum Date: 3-26-53

Proof Edit by (IV): J. Steffler Date: 4/23 53

Land Area (Sq. Statute Miles) (III): 32 sq. miles
Shoreline (More than 200 meters to opposite shore) (III): 37 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): 12 Recovered: 6 Identified: 5*
Number of BMs searched for (II): 18 Recovered: 18 Identified: 14
Number of Recoverable Photo Stations established (III): 1
Number of Temporary Photo Hydro Stations established (III):

Remarks:

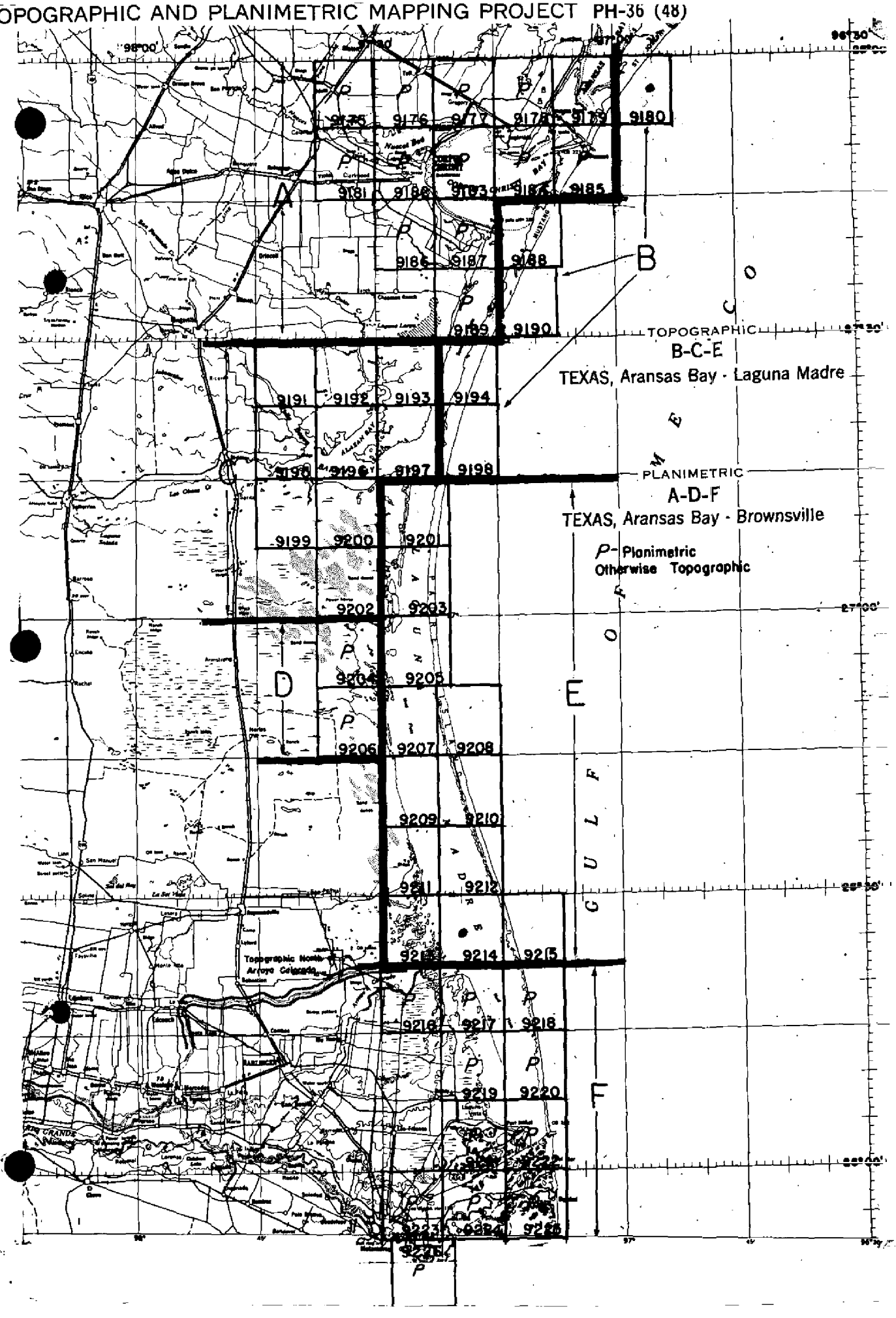
* 4 additional triangulation stations were identified in the compilation office.

Photographs (III)

Number	Date	Time	Scale	Stage of Tide
** 24073 and 24074	12-10-48	1237	1:20,000	Not computed
27560	5-4-50	1433	1:20,000	Not computed

M-2618-12(4)

OPOGRAPHIC AND PLANIMETRIC MAPPING PROJECT PH-36 (48)



Summary T- 9189

Project Ph-36(43) 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(43) in its broader aspects will be included in a project completion report to be compiled at the conclusion of the review of all surveys in this project.

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

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

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

2. AREAL FIELD INSPECTION:

Lying about sixteen miles south-southeast of Corpus Christi, Texas, this quadrangle covers a portion of the full width of Laguna Madre. The western half of the area includes the extreme northeast portion of the Laureles Section of the King Ranch.

This ranch is considered one of the largest in the world. A large part of the ranch is used and guarded as a game preserve, as well as the primary business of cattle raising. For this reason, either guards or padlocks are to be found at most boundary line gates. Due to the great size of the ranch, landmarks are comparatively sparse. Noticeable topographic features are all the more prominent, including such items as windmills, a few roads, occasional fences, and numerous ponds, many of which are only intermittently flooded. The soil is almost entirely of sand, a little mud being found near Laguna Larga, a large shallow lake found on the western edge of the area. The greater part of the land area has a vegetation consisting of very low brush (one to four feet high), interspersed with grass. Variations in height of the brush, and in density and texture of the grass account for the uneven, mottled appearance of the photographs.

It will be found that photographic tones, between permanent and intermittent ponds, are not consistent. Ponds noted were visited and classified individually.

The southeast part of the quadrangle includes a small portion of Padre Island. A detailed description of the northern part of Padre Island can be found in the Descriptive Report accompanying Quadrangle T-9188 ( ).

In Laguna Madre, and somewhat closer to the shore of Padre Island, is a section of the recently-dredged intracoastal waterway.

Interior field inspection was done on photographs 48-0-1139 to 48-0-1142 inclusive and 48-0-1171 to 48-0-1173 inclusive.

3. HORIZONTAL CONTROL:

A considerable amount of additional horizontal control was established by this field party, particularly windmills on the King Ranch, and aids to navigation along the Intracoastal Waterway. See "Special Report, Supplemental Control, Project Ph-36 (48)," and "Special Report, Location of Aids to Navigation, Project Ph-36 (48)."

There is a line of horizontal and vertical control established by the United States Engineer Department, running the length of the quadrangle, along the west shore of Laguna Madre. Numerous ties to U.S.C. & G.S. Stations were made by the Engineers. The order of accuracy is as yet unknown.

Station NORTH BIRD, 1912, is believed to be destroyed. A small hole in the ground containing pieces of terra-cotta tile was identified as doubtful, due to the absence of a station mark.

As to station LOS CEDROS WINDMILL, 1939, see new position LOS CEDROS WINDMILL 1949, Station TEXAS F 17 (USGS) is to be classified as lost.

The following stations are to be classified as destroyed: BARNES HOUSE WINDMILL, 1912; BARNES HOUSE SOUTH GABLE, 1912; NORTH WINDMILL, 1912; PUSH 1938; SOUTH WINDMILL, 1912 and WINDMILL, 1912.

Horizontal control was identified on photographs 48-0-1139, 48-0-1142 and 48-0-1172.

4. VERTICAL CONTROL:

The following U.S.C. & G.S. Bench Marks were recovered and are shown on the photographs: Q 610 to Z 610 inclusive, F 632 to H 632 inclusive, and X 911. One USGS Bench Mark, F 23 (1922) was recovered. A large number of Bench Marks were also recovered west of the quadrangle area, outside the project limits.

5. CONTOURS AND DRAINAGE:

As this is a planimetric quadrangle no contouring was done. The area can be characterized as having no real drainage pattern. The central land area between Laguna Madre and Laguna Larga is generally comparatively flat plateau, about twenty feet above sea level. The gradual slope to the water on both sides utilizes only about one to two thousand feet, horizontally, on each side.

The area on Padre Island also has no drainage pattern. In fact, all parts of that area above five feet in elevation can be considered as sand dune formation.

6. WOODLAND COVER:

There are a few patches of mesquite, classified as scrub. Occasionally, where the soil is richer, or nearer to water, this mesquite attains a height of eight to twelve feet, is very dense, and could be considered cover for foot troops only. In such exceptional areas it is classified as TH.

About three miles south of Waldron Field, and about 3/4 mile northwest of the shoreline of Laguna Madre will be found a small area of windbreak tree rows. These are classified as hardwood, the density being as photographed.

7. SHORELINE AND ALONGSHORE FEATURES:

The mean high water line is shown on the contact prints. On the west shore of Laguna Madre, it is practically as photographed. On both sides of Padre Island, numerous measurements are shown on the contact prints, to aid in delineation of the mean high water line.

The mean low water line was not shown on the photographs, since its determination is very doubtful. The water elevation of Laguna Madre is affected much more by wind than by tidal action.

The few piers and docks within the area are adequately covered by the photographs.

Shoreline inspection was done on photographs 48-0-1597-98, 48-0-1671 to 48-0-1675 inclusive and 48-0-1846 to 48-0-1853 inclusive.

8. OFFSHORE FEATURES:

There are no visible offshore features in the Gulf of Mexico. Those in Laguna Madre are shown on the photographs.

9. LANDMARKS AND AIDS:

There are at present no suitable landmarks along the Gulf Shore, nor any aids to navigation in nearby Gulf waters. Aids to navigation along the Intracoastal Waterway, in Laguna Madre, are discussed in the "Special Report, Location of Aids to Navigation, Project Ph-36(48), Baffin Bay to Latitude 28° 00'."

10. BOUNDARIES, MONUMENTS AND LINES.

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

11. OTHER CONTROL:

Additional topographic stations were not considered necessary along the western shore of Laguna Madre.

On Padre Island, an additional topographic station "WINE, 1949" was set approximately 200 feet south of this quadrangle area, and is being submitted with Quadrangle T-9194.

12. OTHER INTERIOR FEATURES:

All roads and trails in the area have been classified according to Photogrammetry Instructions No. 10, dated 14 April 1947, as amended 24 October 1947.

There are no bridges or cables over navigable waters within the area.

All buildings to be shown have been circled in red ink, on the photographs, and classified according to Photogrammetry Instructions No. 29, dated 1 October 1948.

There is one abandoned Naval Auxiliary Airfield within the area, formerly known as Outlying Field No. 41. It was formerly used by the Naval Air Station as an auxiliary landing field for flight training. The macadam runways are still intact, but show considerable evidence of the presence of cattle. The grass immediately adjacent to the runways and inside the airfield fence is considerably better for grazing use than that found outside the fence on natural, undisturbed ground. This explains why, on some other former flying fields on the King Ranch, new windmills and watering facilities have recently been erected to form special grazing areas.

13. GEOGRAPHIC NAMES:

See "Special Report, Geographic Names, Aransas Bay to Baffin Bay, Project Ph-36(48)."

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA:

The following are the Special Reports pertaining to this area: "Special Report, Location of Aids to Navigation, Baffin Bay to Latitude 28° 00', Project Ph-36(48)," forwarded to Washington 28 June 1949.

"Special Report, Supplemental Control, Project Ph-36(48)," forwarded to Washington 20 July 1949.

"Special Report, Boundaries, Baffin Bay to Latitude 28° 00', Project Ph-36(48)," forwarded to Washington 20 July 1949.

"Special Report, Geographic Names, Aransas Bay to Baffin Bay, Project Ph-36 (48)" forwarded to Washington 27 July 1949.

Records, location of aids to navigation and supplemental control, to Washington 28 June 1949 by letter of transmittal Ph-36-Field-11 and 12.

Forms 567 to Washington 1 July 1949 by letter of transmittal Ph-36-Field-13.

Forms 567 to Baltimore 1 July 1949 by letter of transmittal Ph-36-Field-14.

Records, Quadrangle T-9189 ( ) to Baltimore 29 July 1949 by letter of transmittal Ph-36-Field-25.

Submitted:

Isaiah Y. Fitzgerald

Isaiah Y. Fitzgerald
Cartographer

Approved:

George E. Morris, Jr.

George E. Morris, Jr.
Chief of Party

MAP T- 9189 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 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)
	G-2874	N.A.	27	37	26.675				821.1	(1025.7)		
DUG, 1933	P.69	1927	97	17	36.862				1010.6	(634.4)		
SUB.PT.			27	37					806.6	(1040.2)		
DUG, 1933			97	17					1065.4	(579.6)		
	G-2874		27	36	08.259				254.2	(1592.6)		
ISLAND, 1912	P.54	"	97	17	06.662				182.7	(1462.6)		
SUB.PT. ISLAND,			27	36					276.2	(1570.6)		
1933 (corrected to 1912)			97	17					216.0	(1429.3)		
	G-4197		27	33	44.297				1361.6	(485.2)		
HARDPAN, 1912	P.119	"	97	19	27.862				764.3	(881.6)		
SUB.PT. HARDPAN,			27	33					1363.7	(483.1)		
1912			97	19					807.5	(838.4)		
NUECES-KLEBERG	G-4197		27	33	38.049				1171.1	(675.7)		
COUNTY LINE POST, 1939	P.123	"	97	19	29.039				796.6	(849.4)		
NO. 48(USE) 1939	G-4197		27	33	40.984				1261.5	(585.3)		
	P.123	"	97	19	31.446				862.7	(783.3)		
SANDHILL 2, 1939	G-4197 P.119	"	27	31	40.911				1259.2	(587.6)		
			97	15	20.311				557.4	(1089.1)		
SUB.PT.			27	31					1354.5	(492.3)		
SANDHILL 2, 1939			97	15					1482.1	(164.4)		
*NORTH BIRD, 1912	G-4197		27	31	07.310				225.0	(1621.8)		
* Destroyed	P.120	"	97	17	26.984				740.5	(906.1)		
SUB.PT.			27	31	Evidence indicates that the true position of the destroyed station was not re-				425.6	(1421.2)		
NORTH BIRD, 1912			97	17	covered; ∴ position of sub pt can not be used.				704.5	(942.1)		

1 FT. = .3048006 METER

COMPUTED BY: F.J.Tarczar DATE: August 11,1949 CHECKED BY: M.F.Kirk DATE: 22 Aug.1949

M-2388-12

Photogrammetry

MAP T- 9189 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 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)
CORPUS CHRISTI-PORT ISABEL LIGHT 27, 1949	G-8133 P.7	N.A. 1927	27 35 46.354			1426.8 (420.0)	
			97 15 33.026			905.7 (739.7)	
CORPUS CHRISTI-PORT ISABEL LIGHT 33,1949	G-8133 P.7	"	27 34 25.720			791.7 (1055.1)	
			97 16 15.359			421.3 (1224.5)	
CORPUS CHRISTI-PORT ISABEL LIGHT, 39,1949	" "	"	27 33 04.992			153.7 (1693.1)	
			97 16 57.710			1583.3 (62.8)	
CORPUS CHRISTI-PORT ISABEL LIGHT 45,1949	" "	"	27 31 44.991			1384.8 (462.0)	
			97 17 39.702			1089.5 (557.0)	
CORPUS CHRISTI-PORT ISABEL LIGHT 51,1949	Pg. " 8	"	27 30 23.818			733.1 (1113.7)	
			97 18 22.260			610.9 (1035.8)	
SEBASTIAN WINDMILL, 1949	Pg. " 9	"	27 36 11.340			349.0 (1497.8)	
			97 18 23.389			641.4 (1003.9)	
ENCINA SOLA WINDMILL, 1949	" "	"	27 35 17.081			525.8 (1321.0)	
			97 19 17.211			472.0 (1173.6)	
MATANZA WINDMILL, 1949	" "	"	27 34 22.665			697.6 (1149.2)	
			97 19 11.852			325.1 (1320.7)	
VINA WINDMILL,1949	G-8133 P.9	"	27 34 41.712			1283.9 (562.9)	
			97 20 37.551			1030.0 (615.8)	
LOS CEDROS WINDMILL 1949	G-8133 P.9	"	27 32 59.852			1842.2 (4.6)	
			97 19 55.279			1516.6 (129.5)	
PURE OIL WINDMILL, 1949	" "	"	27 32 35.542)			1094.0 (752.8)	
			97 19 58.788)			1613.0 (33.3)	
HACHA WINDMILL, 1949	" "	"	27 32 39.169 (	Its distance shortly after its establishment.		1205.6 (641.2)	
			97 21 16.667			457.3 (1188.9)	

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1 FT. = .3048006 METER

COMPUTED BY F.J.Tarcza DATE August 11,1949 CHECKED BY M.F.Kirk DATE 22 August 1949

M-2388-12

Photogrammetry

MAP T- 9189 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 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)
YERBA ANIS WINDMILL, 1949	G-8133 P.10	N.A. 1927	27 30 56.301			1732.9 (113.9)	
			97 20 48.332			1326.4 (320.2)	
PATOS WINDMILL, 1949	Pg " 9	"	27 31 33.168			1020.9 (825.9)	
			92 22 07.368			202.2 (1444.3)	
TORO MINDMILL, 1949	" P.10	"	27 30 33.674			1036.5 (810.3)	
			97 21 44.900			1232.3 (414.4)	
COYOTES WINDMILL, 1949	G-8133 P. 9	"	27 33 10.814	W of T-9189		332.9 (1513.9)	
			97 23 30.697			842.2 (803.9)	
ALTA VISTA WIND-MILL, 1949	G-8133 P.9	"	27 31 00.742	West of T-9189		22.8 (1824.0)	
			97 23 34.278			940.7 (705.9)	

Page 14

1 FT. = .3048006 METER

COMPUTED BY: F.J.Tarcza DATE August 11,1949 CHECKED BY: M.F.Kirk DATE 22 Aug. 1949

M-2388-12

COMPILATION REPORT

T - 9189

PHOTOGRAMMETRIC 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.

Contact prints covering most of the area of the survey were furnished to facilitate office interpretation of the photographs. The centers of these contact prints were located on the manuscript by orienting to common control and pricking the center directly. These centers are shown on the manuscript with the standard symbol but were not used for radially plotting detail points as the ratio prints employed in the radial plot were adequate for this purpose.

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

32. CONTROL

The identification, density and placement of the horizontal control were satisfactory. Also refer to item 3 of this report and to the radial plot report.

The following triangulation stations were not held in the radial plot.

—PATOS WINDMILL, 1949
SUB. PT. NORTH BIRD, 1912
NORTH BIRD, 1912 (Destroyed)

Refer to Descriptive Report T-9175, Side heading 22.

33. SUPPLEMENTAL DATA

In addition to the special reports and records listed in section 14 of the field report, the following items of supplemental data were used during the compilation of this survey:

(1) Boundary sheet No. 3, Neuces County Highway Map
(2) Boundary Sheet No. 2, Kleberg County Map
(3) Geographic Names standard No. 2, 11-4-49
(4) Geographic Names standard No. 5, 11-4-49
(5) List of Directions (Theodolite angles) Forms 24A

34. CONTOURS AND DRAINAGE

Refer to item 5 of this report.

35. SHORELINE AND ALONGSHORE DETAILS

Refer to item 7 of this report.

The shoreline inspection was adequate for the satisfactory delineation of the manuscript.

Shallow areas were interpreted from office inspection of the photographs. Sections of approximate mean low water line and approximate storm water line were also interpreted from office inspection of the photographs in accordance with Instructions - Supplement 1, dated 24 February 1950 and letter from Commander George E. Morris, Jr. dated 17 March 1950.
Delineation verified by field editor.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

~~No~~ three landmarks have been reported for charting within the area of this survey. See attached Form 567.

Forms 567 for 40 non-floating aids to be charted are being submitted with this descriptive report.

The positions of the Laguna Madre Oil Well Channel Daybeacons were based on sextant fixes furnished by the field party on the back of several photographs. The sextant fix for the position of daybeacon No. 5 is believed to be in error and was therefore not plotted on the manuscript. No. 5 relocated by field editor

The positions of the Corpus Christi-Port Isabel Daybeacons were located by theodolite cuts from the List of Directions (Form 24A). Daybeacon 49 plotted on the opposite side of the channel from the other daybeacons and its position is to be checked during field edit.
Daybn 49 reported destroyed by field editor.

38. CONTROL FOR FUTURE SURVEYS

Form 524 for AZ. MK. HARDPAN, 1939, originating at the compilation office is being submitted with this report.

39. JUNCTIONS

Satisfactory junction has been made with Survey T-9187 to the north. Junctions with T-9190 to the east and T-9194 to the south will be made when these surveys are completed. There is no contemporary survey to the west.

• Satisfactory junctions made.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. LANDING FIELDS

Refer to item 12 paragraph 4 of this report.

42 thru 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

This manuscript was compared with the U. S. Geological Survey Oso Creek, Texas quadrangle, scale 1:62,500, edition of 1925, reprinted in 1946.

47. COMPARISON WITH NAUTICAL CHARTS

The manuscript was compared with chart No. 1286, scale 1:80,000, published 1 August 1949, corrected to 20 February 1950.

Items to be applied to nautical charts immediately

(1) The Laguna Madre Oil Well Channel and (2) the 26 daybeacons along this channel, privately maintained by the Pure Oil Co, also (3), the spoil areas along the Intracoastal Waterway.

Items to be carried forward

None.

Respectfully submitted
29 March 1950

Raymond Glaser
Cartographic and Surveying Aid

Approved and forwarded
August 1950

Hubert A. Paton
Comdr., USC&GS
Officer in Charge

48. GEOGRAPHIC NAMES

Acuña Well (Windmill)

Commissioner Precinct 4 (Kleberg Co.)

Commissioner Precinct 4 (Nueces Co.)

Precincts omitted. ~~This is in accordance with USGS instructions.~~ JH

El Media Windmill

* First Gunnery Range

Guajolote Well (Windmill)

Gulf of Mexico

Intracoastal Waterway

King Ranch

Kleberg Co.

Laguna Larga

Laguna Madre

Los Cedros Windmill

Papalote de En Media Well (Windmill)

North Bird Island

Nueces Co.

Salada Well (Windmill)

Padre Island

** ~~Patalote Media Windmill~~ (no objection to using this instead of En Media — probably a shortened name)

Pita (= camp house, pens, windmill, per names report)

Pita Island

Pure Oil Co. Channel

Viña Well (Windmill)

Pita Well (Windmill)

* This feature indicated as "Landmark" on geographic name standard

** Name from field inspection photograph - applied to windmill indicated as "El Media Windmill" on name standard.

Sebastion Well (Windmill)

Encina Sola Well "

Matanza Well "

Toro Well "

Hacha Well "

Patos Well "

Yerba Anis Well "

Names underlined in red are approved. 4-12-51
L. Heck

Form T-2

50 -

PHOTOGRAMMETRIC OFFICE REVIEW

T-9189

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

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy B ~~6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)~~ ~~7. Photo-hydro stations~~ 8. Bench marks B

9. Plotting of sextant fixes B 10. Photogrammetric plot report B 11. Detail points B

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads B 28. Buildings B ~~29. Railroads~~ 30. Other cultural features B

BOUNDARIES

31. Boundary lines B ~~32. Public land lines~~

MISCELLANEOUS

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

40. Raymond Glasser — 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

Field Edit Report, T-9189

51. Methods.--All roads were travelled by truck to check their classification and to answer questions raised by the reviewer. All other planimetric features were verified as to their existance and classification. Corrections, deletions and additions were made on the Field Edit Sheet.

The planetable was used to locate a new power line on Padre Island and the aids to navigation along the Pure Oil Company Channel.

The sextant was used to locate two oil wells and two windmills.

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

Field edit information will be found on the Field Edit Sheet and contact photograph 48-0-1852.

52. Adequacy of compilation.--After application of field edit information the map compilation will be adequate.

53. Map accuracy.--From visual inspection and points occupied with the planetable, the accuracy appears very good.

54. Recommendations.--None offered.

55. Examination of proof copy.--It is recommended that the proof copy of the map be sent to the King Ranch Office, Kingsville, Texas, attention Mr. Robert C. Wells, for examination.

Geographic names.--Two discrepancies in the charted names were noted. Acunia Windmill should be ACUÑA WINDMILL. (Note the mark over the Ñ making the phonetic pronounciation as though it were Acunia.)

The correct name for Patalote or el Media Windmill is PAPALOTE DE EN MEDIA WINDMILL.

Two new names are recommended. SALADA WINDMILL and NO. 4 WINDMILL.

These names and corrections were furnished by Mr. Charles Burwell, Ranch Foreman. They are recorded on the Field Edit Sheet.

All names approved by Geographic Names Section.
No. 4 Windmill is not considered as a place name.

Respectfully submitted,
16 October 1951

William H. Shearouse

William H. Shearouse,
Cartographer

Form 567
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

Ch Let 355(51) Corpus Christi, Texas 16 October, 19 51

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

NOTE: ALL DAYBEACONS ARE 4 x 4-INCH PILES WITH POINTERS, 6 FEET ABOVE WATER.

P. L. Bernstein, *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
							N. A. 1927	Planetable T-9189	1951				
Daybeacon	Pure Oil Co. Channel (no number)		27 31	~~1407~~	97 18	~~181~~					x		1286
Daybeacon	Pure Oil Co. Channel (no number)		27 31	1542	97 18	112	"	"	"		x		1286
Daybeacon	Pure Oil Co. Channel (no number)		27 31	1660	97 18	48	"	"	"		x		1286
Daybeacon	Pure Oil Co. Channel (no number)		27 31	1763	97 17	1635	"	"	"		x		1286
Daybeacon	Pure Oil Co. Channel (no number)		27 32	30	97 17	~~1572~~	"	"	"		x		1286
Daybeacon	Pure Oil Co. Channel (no number)		27 32	~~120~~	97 17	~~1518~~	"	"	"		x		1286
Daybeacon	~~Pure Oil Co.~~ Laguna Madre Oil Well Channel, No. 5		27 31	1091	97 17	~~1488~~	"	"	"		x		1286
Daybeacon	~~Pure Oil Co.~~ " Channel, No. 13		27 31	1337	97 18	268	"	"	"		x		1286
Daybeacon	~~Pure Oil Co.~~ " Channel, No. 17		27 31	1455	97 18	480	"	"	"		x		1286
Daybeacon	~~Pure Oil Co.~~ " Channel, No. 21		27 31	~~1568~~	97 18	~~690~~	"	"	"		x		1286
Daybeacon	~~Pure Oil Co.~~ " Channel, No. 41		27 32	305	97 19	99	"	"	"		x		1286
Daybeacon	~~Pure Oil Co.~~ " Channel, No. 53		27 32	~~735~~	97 19	~~872~~	"	"	"		x		1286
Daybeacon	~~Pure Oil Co.~~ " Channel, No. 55		27 32	~~788~~	97 19	~~983~~	"	"	"		x		1286
Daybeacon	~~Pure Oil Co.~~ " Channel, No. 61		27 32	952	97 19	~~1286~~	"	"	"		x		1286

Laguna Madre Oil Well Channel

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.

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

Corpus Christi, Texas — March 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 R. Glaser

ch Let 268(50)

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
DAYBN 1	Laguna Madre Oil Well Channel		27 31	898	97 17	1523	N.A. 1927	Sextant Fix T-9189	1949		x		1286
" 3	" " " " "		27 31	993	97 17	1491	"	"	"		x		"
" 7	" " " " "		27 31	1155	97 17	1598	"	"	"		x		"
" 9	" " " " "		27 31	1211	97 18	74	"	"	"		x		"
~~" 13~~	~~" " " " "~~		~~27 31~~	~~1332~~	~~97 18~~	~~279~~	"	"	"		x		"
" 15	" " " " "		27 31	1375	97 18	345	"	"	"		x		"
~~" 17~~	~~" " " " "~~		~~27 31~~	~~1454~~	~~97 18~~	~~491~~	"	"	"		x		"
" 19	" " " " "		27 31	1510	97 18	590	"	"	"		x		"
~~" 21~~	~~" " " " "~~		~~27 31~~	~~1572~~	~~97 18~~	~~706~~	"	"	"		x		"
" 23	" " " " "		27 31	1632	97 18	799	"	"	"		x		"
" 25	" " " " "		27 31	1691	97 18	909	"	"	"		x		"
" 27	" " " " "		27 31	1742	97 18	1018	"	"	"		x		"
" 29	" " " " "		27 31	1801	97 18	1128	"	"	"		x		"
" 31	" " " " "		27 32	15	97 18	1234	"	"	"		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 and [illegible] heading should be given.

NC

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

Corpus Christi, Texas March 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 Raymond Glaser

Ch Let 268 (50)

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
DAYBN 33	~~Laguna Madre oil well~~ Channel		27 32	69	97 18	1328	N.A. 1927	~~T-9189~~ Sextant Fix	1949		x		1286
" 35	" " " " "		27 32	131	97 18	1443	"	"	"		x		"
" 37	" " " " "		27 32	192	97 18	1549	"	"	"		x		"
" 39	" " " " "		27 32	252	97 19	15	"	"	"		x		"
~~" 41~~	~~" " " " "~~		~~27 32~~	~~310~~	~~97 19~~	~~110~~	"	"	"		x		"
" 45	" " " " "		27 32	483	97 19	431	"	"	"		x		"
" 51	" " " " "		27 32	657	97 19	745	"	"	"		x		"
~~" 55~~	~~" " " " "~~		~~27 32~~	~~780~~	~~97 19~~	~~958~~	"	"	"		x		"
" 57	" " " " "		27 32	850	97 19	1095	"	"	"		x		"
" 59	" " " " "		27 32	908	97 19	1204	"	"	"		x		"
~~2 61~~	~~" " " " "~~		~~27 32~~	~~972~~	~~97 19~~	~~1328~~	"	"	"		x		"

Note: positions deleted in red were relocated by field editor and are noted on the 1st sheet of Form 567 or ch. Let 255 (51)

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.

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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

Corpus Christi, Texas — March, 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 R. Glaser

Hubert A. Paton *Chief of Party.*

STATE Texas — Ch Let 268 (37)

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
LIGHT 27	Corpus Christi-Port Isabel		27 35	1426.8	97 15	905.7	N.A. 1927	Triang. T-9189	1949		x		1286
LIGHT 33	Corpus Christi-Port Isabel		27 34	791.7	97 16	421.3	"	Proj. Ph-36 (48)	"		x		"
LIGHT 39	Corpus Christi-Port Isabel		27 33	153.7	97 16	1583.3	"	"	"		x		"
LIGHT 45	Corpus Christi-Port Isabel		27 31	1384.8	97 17	1089.	"	"	"		x		"
LIGHT 51	Corpus Christi-Port Isabel		27 30	733.1	97 18	610.9	"	"	"		x		"
DAYBEACON 23	Corpus Christi-Port Isabel		27 36	1252	97 15	120	"	Photo Comp.	"		x		"
" 25	Corpus Christi-Port Isabel		27 36	445	97 15	500	"	"	"		x		"
" 29	Corpus Christi-Port Isabel		27 35	606	97 15	1295	"	"	"		x		"
" 31	Corpus Christi-Port Isabel		27 34	1630	97 16	45	"	"	"		x		"
" 35	Corpus Christi-Port Isabel		27 33	1814	97 16	810	"	"	"		x		"
" 37	Corpus Christi-Port Isabel		27 33	988	97 16	1194	"	"	"		x		"
" 41	Corpus Christi-Port Isabel		27 32	1177	97 17	327	"	"	"		x		"
" 43	Corpus Christi-Port Isabel		27 32	380	97 17	697	"	"	"		x		"
" 47	Corpus Christi-Port Isabel		27 31	565	97 17	1481	"	"	"		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.

U. S. GOVERNMENT PRINTING OFFICE: 1949 O - 853418

Form 567
April 1945

PHOTOGRAMMETRIC REVIEW SECTION

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 — 16 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 Joseph W. Vonasek

Hubert A. Paton, Chief of Party.

STATE Texas

CHARTING NAME	DESCRIPTION	SIGNAL NAME	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
Daybeacon 49	~~Corpus Christi~~ - Port Isabel		27 30	1569	97 18	222	N.A. 1927	Planetable T-9189	1951		x		1286

Ch. Let 855 (51)

(Previously submitted under Ch Let 268 (50))

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 [illegible] ven.

Form 567
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 REMOVED~~ STRIKE OUT ONE

Corpus Christi, Texas 17 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 ~~(not be charted on)~~ the charts indicated.

The positions given have been checked after listing by. William N. Shearame

P. L. Bernstein
P. L. Bernstein *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
Windmill	On skeleton steel tower, approx. 25' high (△Yerba Anis Windmill, 1949)		27 30	1733.2	97 20	1326.0	N. A. 1927	Triangu. T-9189	1949		x		1286
Windmill	On skeleton steel tower, approx. 25' high (△Los Cedros Windmill, 1949)		27 32	1842.6	97 19	1516.1	"	"	"		x		1286
Windmill	On skeleton steel tower, approx. 25' high (△Matanza Windmill, 1949)		27 34	697.6	97 19	925.2	"	"	"		x		1286

Ch Let 697 (51)

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-9189

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

Washington, D. C. Aug. 29--, 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 C. H.

S. V Griffith
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
	Laguna Madre Oil Well Channel	Daybn.	11 27°31' Approx		97 18 Approx		NA 1927						1286
	" " " " "	"	43 27 32		97 19								
	" " " " "	"	49 27 32		97 19								
	" " " " "	Lt.	47 27 32		97 19								
	" " " " "	"	48 27 32		97 19								

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.

Review Report
Planimetric Map T-9189
29 August 1952

62. Comparison with Registered Topographic Surveys.-

H-994	(1869)	1:10,000
T-1626	(1881-82)	1:20,000
T-1628	(1881-82)	1:20,000
H-6396	(1938)	1:20,000 (Combined topo and Hydro Survey)

The Intracoastal Waterway and other cultural features have been constructed since the old surveys.

The old topographic surveys are superseded by the new map (T-9189) for nautical charting.

63. Comparison with Maps of Other Agencies.-

Oso Creek Quadrangle, USGS, Edition 1925, Reprint 1946, 1:62,500.

The Intracoastal Waterway and other cultural features do not appear on the USGS map.

64. Comparison with Contemporary Hydrographic Surveys.-Although survey H-6396 noted above under side heading 62 is not a contemporary survey, a comparison was made of the new and the old coast shorelines; they were found to be in good agreement.

65. Comparison with Nautical Charts.-Chart No. 1286, 14 April 1952, 1:80,000.

No major discrepancies noted.

66. Adequacy of Results and Future Surveys.-This map complies with the project instructions and the National Map Accuracy Standards.

Water stages in the Laguna Madre area vary widely with meteorological conditions. In view of this, it was decided to omit the high-water line where it is indefinite and unmarked by visible evidence on the ground, and in its place to indicate by a broken line symbol the approximate limits of areas which were subject to inundation. This decision was arrived at mainly for these reasons:

1) The difficulty found in identifying the MHW line from photographs of this area, as well as of other similar areas throughout the project.
2) It was considered impractical to resolve this situation by extensive leveling.

For a more detailed study and investigation of this problem, refer to the correspondence and sundry reports to be attached to the completion report which will be submitted when the review of the surveys on this project has been completed.

The reasons and decision reached in adopting the special treatment accorded to the shoreline delineation are discussed in the pages of correspondence and instructions attached to the Descriptive Report for T-9180.

67. Aids to Navigation.-The following were reported to be non-existent by the field editor:

Laguna	Madre	Oil	Well	Channel	Daybn.	11
"	"	"	"	"	"	43
"	"	"	"	"	"	49
"	"	"	"	"	Lt.	47
"	"	"	"	"	"	48

Laguna Madre Oil Well Channel Daybn. 41 shown on the map manuscript is not listed in the 1951 Light List. Six other daybeacons along a short channel are not listed in the Light List.

Reviewed by:

Charles Hanavich
Charles Hanavich

APPROVED

S. V. Griffith
Chief, Review Section
Div. of Photogrammetry

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

Chief, Div. of Photogrammetry
Acting

Earl O. Heaton
Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T9189

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
11/14/50	1286	Straw	Before After Verification and Review see back cover.
11/17/51	893	S.G. McGann	Before ~~After~~ Verification and Review
1/23/70	893-SC	R.A. Youngblood	~~Before~~ After Verification and Review
"	"	D.J. Kelman	LW and Green tint added Vicinity 27°28' 76° 22'.
			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
			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.

Park. Applied Sc Chart 1286 11/14/1950 L.S.S.