

9222

Diag. Cht. No. 1288

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC

Field No. Ph-36(48)F Office No. T-9222

LOCALITY

State TEXAS

General locality LAGUNA MADRE

Locality PORT ISABEL TO BOCA CHICA BAY

19 52

CHIEF OF PARTY

G.E. Morris, jr., Chief of Field Party.

A.L. Wardwell, Tampa Photogrammetric Office

LIBRARY & ARCHIVES

DATE Oct - 5 - 1953

9222

DATA RECORD

T -9222

Project No. (II): Ph-36(48)F

Quadrangle Name (IV):

Port Isabel

Field Office (II): Brownsville, Texas

Chief of Party: George E. Morris, Jr.

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: Arthur L. Wardwell

Instructions dated (II) (III): 14 February 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): Inapplicable

Scale Factor (III): None

Date received in Washington Office (IV): NOV 23 1951

Date reported to Nautical Chart Branch (IV): Nov. 30, 1951

Applied to Chart No.

Date:

Date registered (IV):

7-30-53

Publication Scale (IV):

Not to be published

Publication date (IV):

Geographic Datum (III):

N.A.1927

M.H.W. Vertical Datum (III):

~~M.S.L.~~ 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): Brazos, 1939

Lat.: 26° 04' 28".997 (892.3m)

Long.: 97° 09' 50".862 (1413.6m)

Adjusted
~~uncorrected~~

Plane Coordinates (IV):

State:

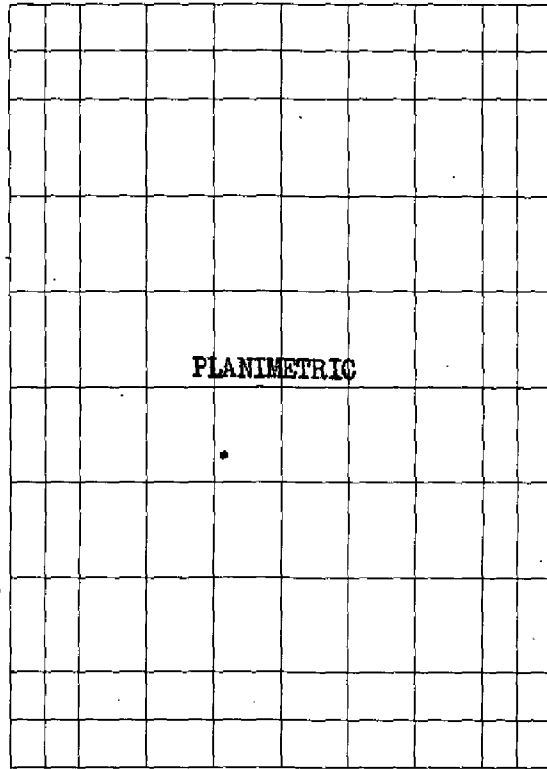
Zone:

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.



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

DATA RECORD

Field Inspection by (II): C. A. Navin
W. H. Nelson
W. M. Reynolds

Date: Sept, Nov, 1949
Jan, Mar, Apr, June 1950
August 1950

Planetable contouring by (II): **Inapplicable**

Date:

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

Date: *22 March 1952*

Storm and

Mean High Water Location (III) (State date and method of location): **Air Photo Compilation - 14 July 1950**

Projection and Grids ruled by (IV): **T. L. J. (W.O.)**

Date: **25 Sept. 1950**

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

Date: **27 Sept. 1950**

Control plotted by (III): **I. I. Saperstein**

Date: **14 Feb. 1951**

Control checked by (III): **R. J. Pate**

Date: **20 Feb. 1951**

Radial Plot ~~on Stereoscopic~~
~~Contour Extension~~ by (III): **M. M. Slavney**

Date: **30 April 1951**

Planimetry
Stereoscopic Instrument compilation (III): **Inapplicable**
Contours

Date:

Date:

Manuscript delineated by (III): **R. A. Reece**

Date: **18 Sept. 1951**

Photogrammetric Office Review by (III): **R. R. Wagner**

Date: **2 Nov. 1951**

Elevations on Manuscript
checked by (III): ~~R. A. Reece~~ *Inapplicable*

Date:

18 Sept. 1951

Camera (kind or source) (III): **Fairchild Cartographic - 6" Metrogon lens, Camera "0"**
U. S. C. & G. S. Nine-lens 8 $\frac{1}{4}$ " focal length

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
48-0-1493-1500 incl.	9 Dec. 1948	10:46-10:49	1:20,000	0.5
48-0-2070-2072 incl.	10 Dec. 1948	10:07-10:08	"	-
48-0-2087-2091 incl.	10 Dec. 1948	10:21-10:23	"	-
48-0-2094-2098 incl.	10 Dec. 1948	10:29-10:31	"	-
25730-25733 incl.	4 May 1950	14:00-14:03	"	-
25800	4 May 1950	15:33	"	-
25801	4 May 1950	15:34	"	0.4

Tide (III)

Reference Station: **Galveston, Texas**
 Subordinate Station: **Brazos Santiago, Texas**
 Subordinate Station:

Diurnal

Ratio of Ranges	Mean Range	Spring Range
0.9	0.9	1.3

Washington Office Review by (IV): *C. Hanarich*

Date: *7 Oct. 1952*

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

Date: *6-16-53*

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

Date: *6-16-53*

Proof Edit by (IV): *H. Striffler*

Date: *7-6-53*

Land Area (Sq. Statute Miles) (III): **43**
 Shoreline (More than 200 meters to opposite shore) (III): **82**
 Shoreline (Less than 200 meters to opposite shore) (III): **12**
 Control Leveling - Miles (II): **0.0**
 Number of Triangulation Stations searched for (II): **16 (12)** Recovered: **10** Identified: **13**
 Number of BMs searched for (II): **25** Recovered: **19** Identified: **17**
 Number of Recoverable Photo Stations established (III): **5**
 Number of Temporary Photo Hydro Stations established (III): **0**

Remarks:

() Established during field inspection.

Summary T- 9222

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

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

Twenty-six of the quadrangles in this project are topographic surveys and are to be published at 1:24,000 scale by the Geological Survey. The other twenty-six quadrangles are planimetric surveys. Of these, 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-9206, will be published as planimetric maps.

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

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

2. AREAL FIELD INSPECTION

This quadrangle is located along the southeastern coast of Texas. The area of the quadrangle is approximately two-thirds water and one-third land. The water area is a strip along the western side of the Gulf of Mexico and the southern tip of Laguna Madre. The land area consists of a part of Padre and Brazos Islands, which are narrow strips of land separating Laguna Madre from the Gulf of Mexico, and a narrow belt of mainland in the vicinity of Port Isabel.

The town of Port Isabel is located within the quadrangle. It is the base for a sizable shrimping fleet. The recent development of facilities for deep draft vessels include those for dry and liquid cargoes. Large quantities of bananas and pineapples are imported from Central America through the port. Although large shipments of petroleum are made through Port Isabel, it is eclipsed by the Port of Brownsville in this category of liquid cargo.

The Intracoastal Waterway was opened to traffic in June 1949 enabling boats to proceed to the north after entering Laguna Madre from the Gulf of Mexico, through Brazos Santiago. Preponderance of traffic is barge, principally liquid cargo.

The Coast Guard has a permanent installation at the southern end of Padre Island.

Field inspection is believed to be complete as of 1 August 1950. The area just west of Port Isabel is being developed somewhat as a resort area, mostly summer cottages. Several new houses of this type are shown on nine-lens photograph 25732 and more will probably be constructed by the time of field edit. One tourist court under construction at the time of field inspection was not indicated on the photograph. The construction was not advanced enough for the field inspection party to locate the new buildings. This was left for field edit. *Checked during field edit.*

Field inspection was done on the following photographs: 48-0-2071, 48-0-2096, 48-0-2097, all ratio prints; and nine-lens photograph 25732.

3. HORIZONTAL CONTROL

The following are fixed aids to navigation, a prominent object to be charted as a landmark, and supplemental stations established to aid in locating them during field inspection by third-order methods: CLARK(USE) 1950, SANTIAGO 1950, BRAZOS SANTIAGO LIGHT 1950, BRAZOS SANTIAGO LIGHT 16 1950, BRAZOS SANTIAGO LIGHT 28 1950, BRAZOS SANTIAGO ENTRANCE RANGE FRONT LIGHT 1950, BRAZOS SANTIAGO ENTRANCE RANGE REAR LIGHT 1950, BRAZOS SANTIAGO RANGE FRONT LIGHT 1950, BRAZOS SANTIAGO RANGE REAR LIGHT 1950, HARLINGEN-PORT ISABEL LIGHT 119 1950, HARLINGEN-PORT ISABEL LIGHT 139 1950, PORT ISABEL TURNING BASIN WATER TANK 1950.

Horizontal control stations established by the U. S. Engineers which were recovered and identified during field inspection are as follows, with State Plane Coordinates (Lambert) Texas, South Zone, as obtained from the Brownsville Field Office of the Galveston Engineer District:

	X	Y
MON 9	2,421,783.59	146,088.55
MON DD	2,425,607.84	138,580.81
NORTH ZERO	2,439,471.31	148,505.93

Removed from map manuscript - accuracy unknown.

Horizontal control was identified on the following photographs: 48-0-1497, 48-0-2041, 48-0-2042, 48-0-2044, 48-0-2049, 48-0-2050, all single lens contact prints; and nine-lens photograph No. 25732. The tank identified on nine-lens photograph 25732 was constructed and the position determined after the original photography.

The following stations were reported lost: BRAZOS SANTIAGO CHANNEL FRONT RANGE LIGHT 1939, BRAZOS SANTIAGO CHANNEL REAR RANGE LIGHT 1939, BRAZOS SANTIAGO LIGHTHOUSE 1904, JBL 4 USGS 1929, PORT ISABEL NE RADIO TOWER 1917, PORT ISABEL NW RADIO TOWER 1917, and POINT ISABEL LIGHTHOUSE 1867. BRAZOS SANTIAGO LIGHTHOUSE 1904 and POINT ISABEL LIGHTHOUSE 1867 were identified by pricking the base direct and is believed the position will be adequate for radial plot purposes even though the stations are lost.

4. VERTICAL CONTROL

The following first-order bench marks were recovered: P 39, P 40, P 41, P 42, P 43, E 677, and POINT ISABEL TIDAL BM NO 1 1886.

The following second-order bench marks were recovered: DEL MAR TRIANGULATION STATION, DEL MAR REFERENCE MARK NO 1, and DEL MAR REFERENCE MARK NO 2.

The following tidal bench marks were recovered: POINT ISABEL 1, 2, 3, 4, 5, 6, and 9. PADRE ISLAND, BRAZOS SANTIAGO TIDAL BENCH MARKS 1, 2, and 3, established by the USC&GS were recovered.

No supplemental levels of any order were established by the field party.

Vertical control was identified on the following photographs: 48-0-1493, 48-0-2049, 48-0-2050, and 48-0-2051.

5. CONTOURS AND DRAINAGE

This quadrangle is planimetric and no contouring was done.

All drainage is of the run-off variety, directly into Laguna Madre.

6. WOODLAND COVER

All woodland cover has been classified according to Photogrammetry Instructions No. 21, dated 18 August 1948.

7. SHORELINE AND ALONGSHORE FEATURES

The mean high water line and the storm water line around Port Isabel and the area north of Brazos Santiago has been indicated on nine-lens photograph No. 25732, and ratio prints Nos. 48-0-2071 and 48-0-2097.

The west side of Padre Island, north of Brazos Santiago, is a part of "Special Report, Identification and Delineation of the Shoreline of Laguna Madre, Project Ph-36(48)." This report will be submitted at a later date.

All docks, wharves, piers, and submarine cables have been indicated on nine-lens photograph No. 25732.

All shoreline buildings in the Port Isabel area are shown on nine-lens photograph No. 25732.

8. OFFSHORE FEATURES

Several piles and obstructions in Laguna Madre in the vicinity of Port Isabel, were located by theodolite cuts from photo points. Form 251a, Abstracts of Directions, and Lists of Directions were furnished the Baltimore Photogrammetric Office.

9. LANDMARKS AND AIDS

All information on landmarks for nautical charts is adequately covered by Form 567.

BRAZOS SANTIAGO LIGHT is recommended as an aeronautical aid. All necessary information can be found on Form 567. *Lt. destroyed in 1951.*

All fixed aids to navigation are a part of "Special Report, Location of Aids to Navigation, Project Ph-36(48), Arroyo Colorado to Brazos Santiago."

10. BOUNDARIES, MONUMENTS, AND LINES

~~Six~~ ^{Four} monuments on the boundaries of a U. S. Engineer Reservation on the southern end of Padre Island and the northern end of Brazos Island were recovered and identified. They are: ~~MONUMENT ON LINE~~, REF MON NO 2, REF MON NO 6, REF MON 7, REF MON 8, ~~REF MON 10~~. They were identified on photographs 48-0-1497 and 48-0-1498.

All information on other boundaries will be found in "Special Report, Boundaries, Project Ph-36(48), Baffin Bay to the Rio Grande."

11. OTHER CONTROL

Five recoverable topographic stations were established. They are as follows: COLA 1949; ~~DREDGING RANGE NORTH SIDE FRONT, DREDGING RANGE NORTH SIDE REAR, DREDGING RANGE SOUTH SIDE FRONT, DREDGING RANGE SOUTH SIDE REAR.~~ *PLATFORM (ELEV), 1952; BRAZOS SANTIAGO RADIO BEACON, 1952; STACK, 1950, AND POINT ISABEL LIGHT HOUSE, 1952.*

12. OTHER INTERIOR FEATURES

All roads have been classified according to Photogrammetry Instructions No. 10, dated 4 April 1947, as amended 24 October 1947.

All buildings have been classified according to Photogrammetry Instructions No. 29, dated 1 October 1948.

There are no airports or landing fields within the area.

All necessary bridge information was noted on nine-lens photograph No. 25732. These bridges, and the one overhead gasoline crossing, are over a waterway navigable by skiffs and small boats only.

13. GEOGRAPHIC NAMES

All information on geographic names will be found in "Special Report, Geographic Names, Project Ph-36(48), Port Mansfield (Red Fish Landing) to the Rio Grande."

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

"Special Report, Location of Aids to Navigation, Project Ph-36(48), Arroyo Colorado to Brazos Santiago", forwarded to Washington Office 7 July 1950.

"Special Report, Geographic Names, Project Ph-36(48), Port Mansfield (Red Fish Landing) to the Rio Grande", forwarded to the Washington Office 6 June 1950.

"Special Report, Identification and Delineation of the Shoreline of Laguna Madre, Project Ph-36(48)", to be submitted at a later date.

Form 567, Aids to Navigation, forwarded to the Washington Office and Baltimore Office 17 July 1950.

Form 567, Landmarks for Charts, to be submitted at a later date.

Form 567, Aeronautical Aids, to be submitted at a later date.

Data, Quadrangle T-9222(), forwarded to Baltimore Office 16 August 1950, on letter of transmittal Ph-36 Field 85.

Submitted
10 August 1950

William M. Reynolds
William M. Reynolds
Cartographer (Photo)

Approved

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

COMPILATION REPORT T-9222PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-9220.

31. DELINEATION.

Compiled by the graphic method.

The scale and clarity of the single and nine-lens photographs used for delineating was good.

The field inspection was adequate.

32. CONTROL.

Sufficient control was identified. Density and placement were good. *The control in this area is listed in the Descriptive Report for T-9220.*

33. SUPPLEMENTAL DATA.

None used.

34. CONTOURS AND DRAINAGE.

Reference Item 5.

35. SHORELINE AND ALONGSHORE DETAILS.

Low-water line, storm-water line and shoal areas were adequately defined by the field inspector and have been shown according to his notes.

36. OFFSHORE DETAILS.

No statement.

37. LANDMARKS AND AIDS.

Eight (8) private daymarks for YACHT CLUB BOAT BASIN CHANNEL have been located on the manuscript. The field editor is requested to comply with the Hydrographic Manual, page 300, paragraph 3834.

Refer to side heading 56 of the field edit report.

38. CONTROL FOR FUTURE SURVEYS.

Five (5) recoverable topographic stations are being submitted on Form 524 and are listed under Item 49.

39. JUNCTIONS.

A satisfactory junction has been made as follows:

- Survey T-9220 - on the north.
- Survey T-9221 - on the west.
- Survey T-9225 - on the south.
- Project limits are to the east.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with U. S. Geological Survey Quadrangle PORT ISABEL, TEXAS, scale 1:31,680, edition of 1934, reprinted in 1945. The two are in fair agreement.

47. COMPARISON WITH NAUTICAL CHARTS.


Comparison was made with U. S. C. & G. S. Nautical Chart 1288, published September 1941 (3rd edition) and corrected to 13 October 1950. Areas shown as marsh on the chart are now shown and labeled "Sand and Mud".

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

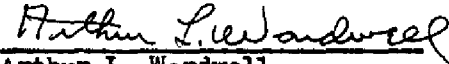
None.

ITEMS TO BE CARRIED FORWARD.

None.


Richard A. Reece
Carto. Photo. Aid

APPROVED AND FORWARDED:


Arthur L. Wardwell
Arthur L. Wardwell
Chief of Party

48. GEOGRAPHIC NAME LIST.

- BOCA CHICA BAY •
- BRAZOS ISLAND •
- BRAZOS SANTIAGO •
- BRAZOS SANTIAGO L.H. (*Destroyed - see field edit report*)
- BROWNSVILLE SHIP CHANNEL •

- CAMERON COUNTY •
- CLARK ISLAND •
- COAST GUARD STATION - Port Isabel C.G. Sta. # 222 •
- COMMISSIONERS PRECINCT NO. 1 { *precincts not shown; this is in accordance*
- COMMISSIONERS PRECINCT NO. 2 { *with instructions.*

- DEL MAR BEACH •
- EL OSTIONAL •

- GULF OF MEXICO •

- INTRACOASTAL WATERWAY •

- LAGUNA MADRE •
- LOMA DE LA BANDERITA •
- LOMA DE LA DRAGA •
- LOMA DE LA PALANCA POLANGANA •
- LOMA DE LOS GACHUPINES •
- LOMA DE LOS TEQUIOS •
- LOMA DEL BURRO •
- LOMA DEL GATO •
- LOMA DEL ISLOTE •
- LOMA DEL MESQUITE •
- LOMA DEL RINCON CHIQUITO •
- LOMA OCHOA •
- LOMA PELONA •
- LOMA PLATA •
- LOMA SILVAN •
- LONG ISLAND •
- LOS MONTES •

- MESA DEL GAVILAN •
- MISSOURI PACIFIC R. R. •

- NORTH JETTY •

OUR LADY STAR OF THE SEA CHURCH

48. GEOGRAPHIC NAME LIST (CONTINUED)

- PADRE ISLAND •
- PASO CORVINAS •
- PORT ISABEL •
- PORT ISABEL HARBOR •

- SOUTH BAY •
- SOUTH JETTY •
- TEXAS STATE NO. 100 •

- TEXAS •

- VADIA ANCHA •

- YACHT CLUB •

* ~~Feature not mapped because it could not be identified.~~

Names underlined in red are approved.

10/2/52

HMG.

49. NOTES FOR THE HYDROGRAPHER.

Topographic stations listed below may be of use to the hydrographer:

SOUTH SIDE DREDGING RANGE
FRONT - 1950

SOUTH SIDE DREDGING RANGE
REAR - 1950

NORTH SIDE DREDGING RANGE
FRONT - 1950

NORTH SIDE DREDGING RANGE
REAR - 1950

COLA, 1949

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

Tampa Photogrammetric Office, Tampa, Fla. 29 April 1952

I recommend that the following objects which have ~~(delete from)~~ ^(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

Richard A. Reese

W. E. Waugh

Chart letter 463-(6-2)

J. E. Waugh

Chief of Party.

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
			LATITUDE *		LONGITUDE *								DATUM
			° ' "	D. M. METERS	° ' "	D. P. METERS							
RADIO BEACON	BRACOS SANTIAGO. Skeleton steel, painted red and white, ht = 115 (119)		26 04	23.92	97 09	69.08	1927	Jan. 52	x	x	1117 1268		

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.

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TA/BH/REVERTER~~

STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla. 29 April 1952

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

The positions given have been checked after listing by

chart letter 465-52

Richard A. Reece

/s/ J. E. Waugh

J. E. Waugh

Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE *		LONGITUDE *		DATUM							
				° / ' "	D. M. METERS	° / ' "	D. P. METERS								
	HARLINGEN-PORT ISABEL LIGHT 129			26 04	53.07 1633	97 11	16.68 1353	N.A. 1927	T-9222 Plane-table	Mar. 52	X			1288	
	BRAZOS SANTIAGO DAYBEACON 12			26 03	39.00 1200	97 10	34.14 919	"	"	"	X			"	
	BRAZOS SANTIAGO DAYBEACON 14			26 03	72.28 1015	97 10	17.28 1203	"	"	"	X			"	
	BRAZOS SANTIAGO DAYBEACON 18			26 03	22.13 680	97 11	2.16 60	"	"	"	X			"	
	BRAZOS SANTIAGO DAYBEACON 22			26 03	11.08 341	97 11	19.78 55)	"	Sextant T-9222	"	X			"	
	BRAZOS SANTIAGO DAYBEACON 24			26 03	05.72 176	97 11	28.78 800	"	"	"	X			"	
	BRAZOS SANTIAGO DAYBEACON 26			26 03	0.19 06	97 11	37.84 1052	"	"	"	X			"	
	POINT ISABEL LIGHTHOUSE (73 ft. high)			26 04	1190	97 12	726	"	Red, Fl, 94 T-9222	1950	X	X		1117 1288	

Entered onto logging sheet 2-8-71 GRT

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.

* TABULATE SECONDS AND METERS

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Photogrammetric Review Section

AERONAUTICAL

~~NONFLOATING AIDS OR LANDMARKS FOR CHARTS~~

~~TO BE CHARTED/
TO BE DELETED~~

STRIKE OUT ONE

Raymondville, Texas

22 March, 1952

I recommend that the following objects which have ~~(4494 not)~~ been inspected from seaward to determine their value as landmarks be ~~(deleted by)~~ (deleted from) the charts indicated.

The positions given have been checked after listing by _____

Chart letter 465-3-2

Fercy L. Bernstein

Chief of Party.

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION			METHOD OF LOCATION SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED		
				LATITUDE		LONGITUDE							DATUM	
				°	'	°								'
LIGHT	Texas	Brazos Santiago, white beathouse tower (Beathouse burned, tower and light destroyed, 1951)	Brazos Santiago	26 04	670.9	97 09	1589.8	N. A. 1927	1950			CORPUS CHRISTI SBO. CHA		

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.

PHOTOGRAMMETRIC REVIEW SECTION

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Tampa Photogrammetric Office Tampa, Fla. August 1952

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

Richard A. Reece, Carto Photo Aid

/s/ J. E. Waugh
J. E. Waugh
Chief of Party

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE *		LONGITUDE *		DATUM							
				°	'	°	'								
BROOKSVILLE CHANNEL RANGE C FRONT LIGHT	TEXAS			26	02	97	12	N.A.	1927	Theod.	7-9222	1952			1208
BROOKSVILLE CHANNEL RANGE C REAR LIGHT				26	02	97	12			"	"	"			"
BROOKSVILLE CHANNEL RANGE A FRONT LIGHT				26	01	97	13			"	"	"			"
BROOKSVILLE CHANNEL RANGE B FRONT LIGHT				26	01	97	14			"	"	"			"
BROOKSVILLE CHANNEL RANGE A REAR LIGHT				26	01	97	14			"	"	"			"
BROOKSVILLE CHANNEL RANGE B REAR LIGHT				26	01	97	13			"	"	"			"
BROOKSVILLE CHANNEL LIGHT 30				26	02	97	12			"	"	"			"
BROOKSVILLE CHANNEL LIGHT 32				26	01	97	13			"	"	"			"
BROOKSVILLE CHANNEL LIGHT 33				26	01	97	14			"	"	"			"
PORT ISABEL WEST JUNCTION CHANNEL LIGHT 1				26	02	97	12			"	"	"			"
PORT ISABEL EAST JUNCTION CHANNEL LIGHT 2				26	02	97	12			"	"	"			"
PORT ISABEL WEST JUNCTION CHANNEL LIGHT 3				26	02	97	12			"	"	"			"
PORT ISABEL EAST JUNCTION CHANNEL LIGHT 4				26	02	97	12			"	"	"			"
PORT ISABEL CHANNEL LIGHT 5				26	03	97	12			"	"	"			"

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* TABULATE SECONDS AND METERS

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

Tampa Photogrammetric Office, Tampa, Florida August 19 52

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

The positions given have been checked after listing by

Richard A. Reese, Carto Photo Aid

Chart letter 465 (52)

/s/ J. E. Waugh

Chief of Party.

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE * D. M. METERS	LONGITUDE * D. P. METERS	DATUM							
BRAZOS SANTIAGO ENTRANCE SOUTH SIDE <i>RANGE FRONT Daybo</i>			26 03	1666	97 10	354	N. A. 1927 Rad. Floa	1950	X			1288
BRAZOS SANTIAGO ENTRANCE NORTH SIDE <i>RANGE FRONT Daybo</i>			26 03	1760	97 10	358	"	"	X			"
BRAZOS SANTIAGO ENTRANCE SOUTH SIDE <i>RANGE REAR Daybo</i>			26 03	1662	97 10	1127	"	"	X			"

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SECTION

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Florida August 19 52

I recommend that the following objects which have ~~been~~ ~~been~~ 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

Richard A. Feece, Carto Photo Aid

/s/ J. E. Waugh

J. E. Waugh

Chief of Party.

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE*		LONGITUDE*		DATUM							
				°	'	°	'								
PORT ISABEL CHANNEL LIGHT 6	TEXAS			26	03	10.50	97	12	N.A. 1927	1952	X		1288		
PORT ISABEL CHANNEL DRAGGING RANGE				26	02	18.91	97	12	"	"	X		"		
FRONT BEACON				26	02	15.05	97	12	"	"			"		
PORT ISABEL CHANNEL DRAGGING RANGE				26	02	20.26	97	12	"	"			"		
REAR BEACON				26	02	008	97	12	"	"			"		
HARLEMEN PORT ISABEL LIGHT 140				26	03	27.76	97	12	"	"	X		"		
POINT ISABEL LIGHTHOUSE, ht 73 (85)				26	04	11.62	97	12	"	"	X		"		
				26	04	26.62	97	12	"	"			"		
						11.95									

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* TABULATE SECONDS AND METERS

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

TAMPA FLORIDA 13 November 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

See chart letters 921(50) & 465(52)

Richard A. Reece
Tampa Photogrammetric Office

Arthur L. Wardwell - Chief of Party.

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED						
			LATITUDE		LONGITUDE				HARBOR CHART	INSHORE CHART	OFFSHORE CHART				
			°	'	°	'						D. M. METERS	D. P. METERS		
STATE	TEXAS														
CHARTING NAME	DESCRIPTION	SIGNAL NAME	°	'	°	'	D. M. METERS	D. P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
LT. 119	HARLINGEN - PORT ISABEL Black square daymark with yellow border on dolphin	Appl to 898 7-15-52 N.O.M.	26	06	97	12	667.8	1079.8	N.A. 1927	T-9222 Triang.	1950	X			1288
LT. 139	HARLINGEN - PORT ISABEL Black square daymark with yellow border on tower on mud sills	Appl to 898 7-15-52 N.O.M.	26	04	97	12	398.5	64.2	"	"	"	X			"
LIGHT	BRAZOS SANTIAGO White boat house tower } <i>Dest.</i>	Appl to 898 7-15-52 N.O.M.	26	04	97	09	670.9	1589.8	"	"	"	X			"
LIGHT	BRAZOS SANTIAGO ENTRANCE RANGE FRONT Red square slatted structure on piles (<i>Dest.</i>)	Appl to 898 7-15-52 N.O.M.	26	03	97	10	1714.7	229.6	"	"	"	X			"
LIGHT	BRAZOS SANTIAGO ENTRANCE RANGE REAR Black square slatted structure on piles	Appl to 898 7-15-52 N.O.M.	26	03	97	10	1710.4	705.7	"	"	"	X			"
LIGHT	BRAZOS SANTIAGO RANGE FRONT Red pyramidal structure on piles. Range face painted yellow	Appl to 898 7-15-52 N.O.M.	26	04	97	09	116.0	1341.9	"	"	"	X			"
LIGHT	BRAZOS SANTIAGO RANGE REAR Yellow rectangular slatted daymark on skeleton steel tower on concrete block.	Appl to 898 7-15-52 N.O.M.	26	04	97	09	544.7	697.6	"	"	"	X			"

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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

TAMPA FLORIDA 13 November, 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

Richard A. Reece

Tampa Photogrammetric Office

Arthur L. Wardwell Chief of Party.

Chart Letter 921(30)

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
				LATITUDE		LONGITUDE								DATUM
				°	'	°	'							
LT. 16	TEXAS	BRAZOS SANTIAGO Red triangular slatted structure on piles	Added to 878 7-15-52 R.D.H.	26 03	848.1	97 10	1459.6	N.A. 1927	T-9222 Triang.	1950	X		1288	
LT. 28	TEXAS	BRAZOS SANTIAGO Red triangular slatted structure on piles	Added to 878 9-15-52 R.D.H.	26 02	1642.0	97 11	1373.8	"	"	"	X		"	

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PHOTOGRAMMATIC REVIEW SECTION

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TAMPA FLORIDA 13 November 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

See Chart Tables 921 (59) & 465 (52)

Richard A. Reece
Tampa Photogrammetric Office

Arthur L. Woodwell
Chief of Party.

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED							
			LATITUDE		LONGITUDE				D.P. METERS	D.A.T.U.M.	HARBOR CHART	INSHORE CHART	OFFSHORE CHART			
			°	'	°	'										
TANK	PORT ISABEL MUN. WATER TANK - Steel, ht=119(126) 116(133)	App'd to 898 7-15-52 N.D.M.	26	03	1358.6	97	13	405.0	N.A.	1927	Triang.	1939	x		1288	
STACK	STACK ht=120(133) 80(92)	App'd to 898 7-15-52 N.D.M.	26	03	1079	97	13	487	"	"	Rad. Plot	1950	x		"	
TANK	PORT ISABEL TURNING BASIN WATER TANK Steel ht=120(133) 111(122)	App'd to 898 7-15-52 N.D.M.	26	03	1208.8	97	12	1596.3	"	"	Triang.	1950	x		"	
ABAND L.H.	POINT ISABEL LIGHT HOUSE 1867 (Masonry) ht=63(83) *	App'd to 898 7-15-52 N.D.M.	26	04	1190	97	12	727	"	"	Rad. Plot	1950	x		"	
	*Elevation to be checked by the field editor because Form 526 states roof and finial damaged by 1950 storm.		<i>Destroyed; see new position determined in 1952.</i>													

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.

PHOTOGRAMMETRIC REVIEW SECTION
AERONAUTICAL

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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STRIKE OUT ONE

TAMPA FLORIDA

13 November, 19

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

Richard A. Reece

Tampa Photogrammetric Office

Arthur L. Wardwell

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												
			°	'	°	'							D. P. METERS	D. P. METERS			
LIGHT - BRAZOS SANTIAGO.	White boat house tower	2-1352 N.A.	26	04	670.9	97	09	1589.8	N.A.	1927	T-9222	1950				CORPUS CHRISTI SEC. CHART	
	<i>* This Lt. destroyed.</i>										<i>Triang.</i>						
	<i>** SANTIAGO BRAZOS LIGHT</i>										<i>Radial Plot</i>	<i>1952</i>					
	<i>** Note: This is an occulting white light atop north city of the Coast Guard Station.</i>																
	<i>According to the Coast Guard officials, this location is temporary.</i>																
	<i>This information was furnished by the field editor on 22 March 1952.</i>																

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DEPARTMENT OF COMMERCE
"PHOTOGRAMMETRIC REVIEW SECTION" U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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STRIKE OUT ONE

TAMPA, FLORIDA

13 November, 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

See chart with 921(32) & 465(32)

Richard A. Reece
Tampa Photogrammetric Office

Arthur L. Wardwell
Chief of Party.

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED		
			LATITUDE		LONGITUDE				HARBOR CHART	INSHORE CHART	OFFSHORE CHART
			°	'	°	'					
* BN	BRAZOS SANTIAGO ENTRANCE SOUTH SIDE RANGE FRONT - Black triangular daymark on skeleton tower on piles	7-15-52 NRM	26 03	1666	97 10	354	N.A. 1927	1950	X		1288
* BN	BRAZOS SANTIAGO ENTRANCE NORTH SIDE RANGE FRONT - Black square daymark on skeleton tower on piles	7-15-52 NRM	26 03	1760	97 10	358	"	"	X		"
* BN	BRAZOS SANTIAGO ENTRANCE SOUTH SIDE RANGE REAR - Black triangular daymark on skeleton tower on piles	7-15-52 NRM	26 03	1661	97 10	1127	"	"	X		"
BN	BRAZOS SANTIAGO ENTRANCE NORTH SIDE RANGE REAR - Black square daymark on skeleton tower on piles	7-15-52 NRM	26 03	1753	97 10	1130	"	"	X		"
	<i>* These three daybeacons have been destroyed.</i>										

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.

PHOTOGRAMMETRIC OFFICE REVIEW

50.

T. 9222

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

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

20. Water features R.R.W. 21. Natural ground cover R.R.W. 22. ~~Other physical features~~ 26. Other physical features R.R.W.

CULTURAL FEATURES

27. Roads R.R.W. 28. Buildings R.R.W. 29. Railroads R.R.W. 30. Other cultural features R.R.W.

BOUNDARIES

31. Boundary lines R.R.W. ~~XXXXXXXXXXXX~~

MISCELLANEOUS

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

40. Robert H. Wagner Reviewer William A. Rasure 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:

Field Edit Report, T9222

51. Methods.--All roads and streets were travelled by truck or jeep to check their classification and to answer questions raised by the reviewer. The beach areas of Padre and Brazos Islands were travelled by jeep. The water area was inspected by skiff or walking along the shoreline.

Three daybeacons and ten piling along the Brownsville Ship Channel were located by planetable cuts. Three daybeacons and nineteen piling along the same channel were located by sextant fix. Ten piling, along the northwest side of the Intracoastal Waterway, directly east of Port Isabel were located by stadia distance and planetable. Harlingen-Port Isabel Light 129 and five piling along the northeast side of the Intracoastal Waterway were located by planetable cuts. The Coast Guard Radio Beacon and buildings to be added on Padre Island were located by planetable.

The city limits of Port Isabel were drawn on 9-lens field photograph 25732, from the city map furnished by the city clerk, as an aid to the compiler. There are no marked corners.

All additions or corrections indicated on the photographs were by direct identification.

The permanently marked aids along the Brownsville Ship Channel are to be located by theodolite method from existing horizontal control in order that a third order position may be obtained. The results of the observations will be furnished at a later date for the entire channel.

of topo accuracy
Field edit information will be found on the Field Edit Sheet and photographs 25732 and 48-C-2070. Cross-reference notes will be found on the Discrepancy Print. A list of sextant fixes for piles and daybeacons is included with field edit data.

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

52. Adequacy of compilation.--After application of field edit information and revisions brought about thereby, the map compilation will be adequate and complete.

53. Map accuracy.--From visual inspection and points occupied with the planetable for intersection purposes, the horizontal accuracy of the map details appears good.

54. Examination of proof copy.--It is recommended that the proof copy be sent to Mr. George C. Colley for examination. Mr. Colley is a boat operator in the area and able to read a map with ease. His address is Port Isabel, Texas.

Geographic names.--The removal of Brazos Santiago Lighthouse as a name is recommended. There is no lighthouse by that name in the area. According to local information the lighthouse was destroyed in 1938 when a storm blew the light and superstructure away. The remains of the structure are still in evidence and are reported on for 524 as a topographic station, *PLATFORM (ELEV), 1952.*

56. Privately maintained aids to navigation.--The piling marking the entrance to the boat basin just northwest of Port Isabel are placed and maintained by personnel of the Yacht Club. They should be charted as piles, not daybeacons.

Respectfully submitted,
22 March 1952

William H. Shearouse

William H. Shearouse,
Cartographer

REVIEW REPORT T-9222
Planimetric Map
7 October 1952

62. Comparison with Registered Topographic Surveys:

T-453	(1854)	1:20,000
T-1045	(1867)	1:20,000
T-3673	(1917)	1:10,000
T-6706 a&b	(1939)	1:20,000
T-6707	(1939)	1:10,000

For nautical charting purposes, the old topographic surveys are superseded by the new map (T-9222).

63. Comparison with Maps of Other Agencies:

Port Isabel quadrangle, USGS, Edition 1934, Reprint 1945,
1:31,680

The USGS quadrangle does not show the Brownsville Ship Channel.

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

Chart No. 1288, 15 January 1951, 1:80,000.

No discrepancies were noted.

66. Adequacy of Results and Future Surveys:

This map complies with the project instructions and the National Map Accuracy Standards.

Water stages inland from the Gulf Coast 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 in identifying the MHW line from photographs of this area.

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 decisions 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-9214.

67. Aids to Navigation:

No information was furnished by the field parties on the location of the following two daybeacons listed on page 856 of the 1952 Light List:

Brazos Santiago Daybn
Fort Isabel Daybn

Reviewed by:

Charles Hanavich
Charles Hanavich

Approved:

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

H. Edmundson
Chief, Nautical Chart Branch
Division of Charts *CR*

R. Swanson
Chief, Div. of Photogrammetry
Admng
BGG

Carl O. Heaton
Chief, Div., Coastal Surveys
MT