9393

Diag Cht, Nos. 1270 and 1272-3.

Form 804

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-60 (49)B. Office No. T-9393

LOCALITY

State Louisiana

General locality Breton Sound

Locality Breton Island

194/_50

CHIEF OF PARTY

P. L. Bernstein, Chief of Field Party

J, E, Waugh, Tampa Photogrammetric

Office -

LIBRARY & ARCHIVES

DATE April 19, 1957

B-1870-1 (1)



DATA RECORD

T-9393

Project No. (II): Ph=60 (49)B Quadrangle Name (IV):

Field Office (II): Gulfport, Mississippi

Photogrammetric Office (III): Tampa, Flor8da

Instructions dated (II) (III): 8 August 1950

Chief of Party: Percy L. Bernstein

Officer-in-Charge: J. E. Waugh

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 (IL): None

Date received in Washington Office (W.N 1 1 1952 Date reported to Nautical Chart Branch (IV): JUN 2 3 1952

Applied to Chart No.

Date:

Date registered (IV): 3-24-

Publication Scale (IV):

Geographic Datum (III): N. A. 1927

Publication date (IV):

Vertical Datum (III):

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): COOL, 1951

Lat.: 29° 27° 46"43 (1429.5m.) Long.: 89° 12° 59"66 (1607.5m.)

Unadjusted

Plane Coordinates (IV):

State: LZ

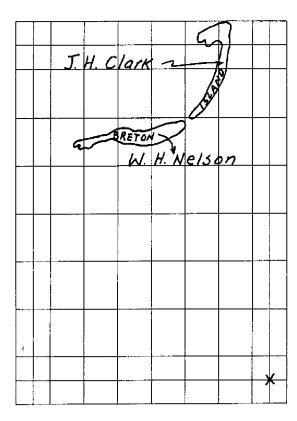
Zone: South

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.



29°12.5'

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

DATA RECORD

Field Inspection by (II): W. H. Nelson J. H. Clark

Date: Nov-Dec 1950

Planetable contouring by (II): W. H. Nelson J. H. Clark

Date: Nov-Dec 1950

Completion Surveys by (II): None

Date:

Mean High Water Location (III) (State date and method of location):

March 1951 Air Photo. compilation

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

24 Feb. 1951 Date:

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

26 Feb. 1951 Date:

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

1 June 1951 Date:

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

8 June 1951 Date:

Radial Plot of /stereschoic control extension by (III): M. M. Slavney

Stereoscopic Instrument compilation (III):

Date:

4 Sept. 1951

Planimetry

Inapplicable

Date: Date:

Manuscript delineated by (III): R. E. Smith Jr.

Date:

9 Jan. 1952

Photogrammetric Office Review by (III): J. A. Giles

14 March 1952 Date:

Elevations on Manuscript

checked by (III): J. A. Giles

Date:

13 March 1952

U. S. C. & G. S. Nine-lens camera 8.24" focal length Camera (kind or source) (III):

•		PHOTOGRAPHS (III))	
·· Number	Date	Time	Scale	Stage of Tide
25860	9 May 1950	10:04	1:20,000	0.5 MLW FIRE
25861	Ħ.,,	10:05	n	0.5
25863	12	10:11	π	0.5

Diurnal Tide (III) |Ratio of | Mean | ■Soring Ranges Range Range 0.9 CHANDELEUR LIGHT Washington Office Review by (IV): Everet H. Ramey Date: 24 Feb 1955 Date: 7 Dec , 1955 Final Drafting by (IV): John H. Frazier

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Reference Station:

Subordinate Station:

Subordinate Station:

Land Area (Sq. Statute Miles) (III): 1

Shoreline (More than 200 meters to opposite shore) (III): 12 Shoreline (Less than 200 meters to opposite shore) (III): 1

PRNSACOLA

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): Number of BMs searched for (II):

0

Recovered: ... Recovered: 0 0 Identified: Identified:

Date:

' Date:

0 0

Number of Recoverable Photo Stations established (III): 3

Number of Temporary Photo Hydro Stations established (III): none

Remarks:

2 triangulation stations established.

M-2518-12(4)

Form T-Page 4

Summary to Accompany Topographic Map T-9393

This topographic map is one of eleven similar maps of Part B of Project Ph-60. Part B covers the islands in Mississippi, Chandeleur and Breton Sounds in Louisiana and Mississippi.

Project Ph-60 is a graphic compilation project. Field work in advance of compilation included the establishment of some additional control, complete field inspection, the delineation of 5-foot contours directly on the photographs by planetable methods, and the investigation of geographic names and political boundaries.

None of the maps of Part B of Project Ph-60 were field edited. All were compiled at a scale of 1:20,000, using nine-lens photographs taken in 1950. With the addition of hydrographic date, these maps will be forwarded to the Geological Survey for publication as standard 7-1/2-minute topographic maps.

Items registered under each map number will include a descriptive report, sloth-backed copies of the manuscript and the published map.

cronar

2. AREAL FIELD INSPECTION

Land area of this quadrangle is composed solely of Breton Island; a low, narrow, sand and mangrove swamp strip approximately five miles in length, roughly crescent in shape and separating the Gulf of Mexico and Breton Sound.

The Gulf of Mexico side of the island is a sand and shell beach reaching well around each end of the island. The Sound side is mangrove swamp with small scattered areas of marsh. Mangrove is not restricted to swamp, however. In some areas, particularly the mid-section of the island, mangrove is to be found growing on the higher ground immediately west of the ridge along the beach. This is attributed to the gradual advance of the sand and shell beach westwardly over the marsh.

A long shoal running southwestwardly from North Point, the north end of the island, creates a small shallow natural harbor affording protection from weather except from the southwest. Because of the shallow water it cannot be used by boats of more than 3½ ft. draft; consequently nothing other than fishermen with local knowledge of the area can use it. Another long shoal extends southwestwardly from the west end of the island beyond the limits of the map.

Gas and oil wells have been brought in the immediate vicinity with one in Berton Sound just offshore of North Point. This is a gas well which is not producing because of difficulties and expense of pipeline construction.

This island is subject to constant change in shoreline under normal conditions with radical changes being made by hurricane tides. As an example, at the time of photography the island was unbroken as compared to the broken island as now charted. A hurricane passed to seaward of this area in September 1950 and the resulting tide again separated the island but at a point north of the break as now charted. As photography was of a recent date and no unusual changes had occurred little difficulty was encountered in photographic interpretation. The photographic tones have a wide gradation with some tones of land features also representing features below mean high water. Sand and shell appear as white; mangrove on solid ground is a dense gray tone; living mangrove in marsh is a gray of less density than the mangrove on solid ground while mangrove which has been killed by cold is still a lighter gray and has a brownish color in nature; marsh covered with grass is a light gray tone; ponds are a very dense gray except when light-struck; higher sand dunes are covered with vegetation around their bases and part way up their sides with scattered clumps on top; level areas of fast ground covered with grass is the lightest of all the gray tones. Shoal areas appear in various tones, the lightest gray results from bare sand ranging to a dense gray from sand covered with marine vegetation or by deeper water. In the cove near the north end of the island currents have made deposits of sand on mud which cause a streaked appearance on the photographs. There are areas of discoloration in surrounding waters. This results from the junction of the relatively clear sea water of Breton Sound and the layer of discolored fresh water from the Mississippi River moved about by wind and tidal currents. These junction lines are very easily recognized when passing over them in boats.

See photograph No. 25862 for interior field inspection notes.

3. HORIZONTAL CONTROL

Two new third-order triangulation stations, COOL 1950 and BRETON ISLAND LIGHT 1951, were established on Breton Island plus a fourth-order position of recoverable topographic station BIDE 1950 and BRETON ISLAND DAYBEACON 1951. All were identified on photograph 25860 or 25862.

See "Special Report, Supplemental Control, Project Ph-60(49), Breton Island, Louisiana", forwarded to the Washington Office 11 April 1951 and "Special Report, Supplemental Control, Project Ph-60(49)B, Breton and Chandeleur Sounds", to be forwarded at a later date.

Triangulation station BRETON ISLAND 1921 was reported lost.

4. VERTICAL CONTROL

There was no existing vertical control on Breton Island and none was established. Vertical control for contours was obtained from the water level corrected for height of tide from "Tide Tables, Atlantic and Gulf Coasts."

5. CONTOURS AND DRAINAGE

Contouring was done by standard planetable methods directly on the photographs.

All elevations above five feet are peaks of small shifting dunes. No contours were shown.

There is no definite drainage pattern other than tidal drainage in the marsh and mangrove swamp.

6. WOODLAND COVER

There is no woodland cover on Breton Island other than mangrove.

7. SHORELINE AND ALONGSHORE FEATURES

The mean high water line along the Gulf of Mexico and around each end of the island was located by reference measurements from points of identifiable

detail. The mean high water line around the break in the island near the north end was located directly on the photographs by planetable traverses beginning and ending on points of identifiable detail.

Because of the steep beach the mean low water line lies from 2.0 meters to 3.5 meters offshore of the mean high water line along the Gulf shore and well around each end of the island. In areas exposed to the surf from the open Gulf a shifting bar approximately 5 meters in average width lies approximately 25 meters offshore of the mean high water line and is awash at mean low water. It is broken in many places and changes shape and position constantly.

When the area was visited at the time of low water the approximate mean low water line along the Sound side of the island was delineated.

There are no landing facilities or shoreline structures of any type on the island.

8. OFFSHORE FEATURES

Cribbing around a capped gas well in Breton Sound is offshore of North Point and is fifteen feet above mean high water.

Breton Island Shoal extends several miles in a generally southwest direction from the west end of the island and has less water over it now than is shown on current? charts of the area. The outer end of the shoal is not marked.

Nautical

A second shoal makes off in a generally southwest direction from North Point for approximately two miles and is marked at its outer end by Breton Island Daybeacon.

A small detached shoal is located southeast of Breton Island Daybeacon and approximately midway between the daybeacon and Breton Island. It does not bare at any stage of the tide.

There are no other offshore features.

9. LANDMARKS AND AIDS

There are neither landmarks for charts, interior landmarks, nor aeronautical landmarks in the area.

Two fixed aids to navigation exist and were located. Breton Island Light (No. 3850, "Light List, Atlantic and Gulf Coasts") was located by third-order triangulation. Breton Island Daybeacon was located by triangulation but with less than third-order accuracy.

10. BOUNDARIES, MONUMENTS, AND LINES

This entire island lies within Police Jury Ward Four, Plaquemines Parish, Louisiana. See "Special Report, Boundaries, Project Ph-60(49)", to be submitted at a later date. (Report files under project data, Div. of Photogrammetry)

No original section corners were recovered. A Bureau of Land Management field unit arrived on Breton Island to reestablish section corners. As this was after field work was complete, no results could be obtained. The Bureau of Land Management unit was requested to see that the Washington Office was furnished with results of their survey.

11. OTHER CONTROL

In addition to the third-order control the following recoverable topographic stations were established:

BIDE 1950 by triangulation methods of less than third-order accuracy; BONE 1950 and CHOP 1950 were identified and their positions are to be determined by the radial plot.

12. OTHER INTERIOR FEATURES

There are no other interior features.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project Ph-60(49)" to be submitted at a later date. (Report filed in Geographic Names Section, Div. of Charts)

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

"Special Report, Supplemental Control, Project Ph-60(49)B, Breton Island, Louisiana", forwarded to the Washington Office 11 April 1951.

(Report filed with GTZ(G8965) in Bureau Archives)

"Special Report, Supplemental Control, Project Ph-60(49)B, Breton and Chandeleur Sounds", to be forwarded at a later date. (Report filed under Project data, Div. of Photogrammetry)

"Special Report, Boundaries, Project Ph-60(49)", to be forwarded at a later date.

"Special Report, Geographic Names, Project Ph-60(49)", to be forwarded at a later date.

Letter of transmittal 60-4, data, quadrangle T-9393(), forwarded to Tampa Office 16 April 1951.

Letter of transmittal 60-3, data, Supplemental Control, Project Ph-60(49)B, Breton and Chandeleur Sounds, to be forwarded at a later date.

Form 567, to be forwarded at a later date.

Submitted 12 April 1951

William M. Reynolds
Cartographic Survey Aid

Approved 16 April 1951

Percy L. Bernstein Chief of Party

Levy & Bernstein

PHOTOGRAPETRIC PLOT REPORT

This report is filed as part of the Descriptive Report for T-9383 and covers maps T-9383 thru T-9393.

MAD T. 9393					5			
121		PROJEC	PROJECT NO. PH-60B(49).	(64) g09	SCALE OF MAP 1:20,000	: 20,000	SCALE FACTOR	JR.
STATION 50	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR LONGITUDE OI	LATITUDE OR y-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM	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)
BRETON ISLAND F.	Field Comp.	N.A. 1927	29 29 89 10	9 57.68			1,775.9 (71.4)	
GOOL, 1950	=	= .	29 27 89 12	7 46.43			1,429.5 (417.8)	
вшЕ, 1950	= (= .	29 27 89 11	7 49.28			416.0 (1,200.7)	Less than
BRETON ISLAND DAYBEACON 1950		=	29 28				1,504.7 (342.7)	3th order stations
S.P. BRETON ISLAND COLLIGHT 1951	Comp.	. = .						
		=		3			1	
OMPUTED BY La. La Saperstein	stein	DA:	DATE 21 May	ay 1951	CHECKED BY. R. J.	Pate	DATE 23	23 May 1951 M-2388-12

COMPILATION REPORT T-9393

PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-9383.

31. DELINEATION.

Compiled by graphic method. No unusual method of compilation was employed. The field inspection was adequate.

32. CONTROL.

A sufficient number of well placed secondary control points were established by the radial plot.

33. SUPPLEMENTAL DATA.

None.

See \$ 14

34. CONTOURS AND DRAINAGE.

Reference Item 5.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection was adequate. For low-water line information, refer to Item 7.

36. OFFSHORE DETAILS.

Reference Item 8.

37. LANDMARKS AND AIDS.

Reference Item 9.

38. CONTROL FOR FUTURE SURVEYS.

Three recoverable topographic stations are being submitted on Form 524 with this report. They have been listed under Item 49.

39. JUNCTIONS.

Entire quadrangle is surrounded by water.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

See SLL

41. PUBLIC LAND LINES.

Three section corners were established by the Bureau of Land Management and section lines shown accordingly. (Reference letter dated 12 June 1951 from Bureau of Land Management and letter dated 15 June 1951 from Comdr. Percy L. Bernstein. Copies of these letters are being submitted with this report.)

46. COMPARISON WITH EXISTING MAPS.

None.

See 362

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison has been made with USC&GS Nautical Chart No. 1272, scale 1:80,000, published March 1947, (ninth edition), and corrected to 4 December 1950. The shoreline has changed since the chart was made. The change was due chiefly to hurricane tides. Reference Item 2.

See \$45

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Rexford E. Smith, Jr. Cartographic Photo Aid

APPROVED AND FORWARDED:

J. E. Waugh, Chief of Party

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9393

1. Projection and grids <u>J.G.</u> 2. Title <u>J.G.</u> 3. Manuscrip	ot numbers J.G. 4. Manuscript size J.G.
CONTROL STATIO	DNS
5. Horizontal control stations of third-order or higher accuracy	4.M.S. 6. Recoverable horizontal stations of less
than third-order accuracy (topographic stations)	
9. Plotting of sextant fixes <u>J.Q.</u> 10. Photogrammetric plot re	
ALONGSHORE AF	REAS
(Nautical Chart I	Jata)
12. Shoreline J.G. 13. Low-water line J.G. 14. Rocks, s	hoals, etc. J.G. 15. Bridges XX 16. Aids
to navigation17. Landmarks18. Other along	shore physical features <u>J.G.</u> 19. Other along –
shore cultural features XX	·
PHYSICAL FEATU	RES
20. Water features 21. Natural ground cover 3.6.	22. Planetable contours23. Stereoscopic
instrument contours XX 24. Contours in general XX	25. Spot elevations J.G. 26. Other physical
features J.G.	
CULTURAL FEATU 27. Roads XX 28. Buildings J.G. 29. Railroads XX	
BOUNDARIES	
31. Boundary lines J.G. 22. Public land lines XX	
MISCELLANEOU	s
33. Geographic names <u>J.G.</u> 34. Junctions <u>J.G.</u> 35. Leg	
	ection photographs
40. Jesse A. Giles Justilles Reviewer	William A. Rasure. Supervisor, Review Section or Unit
41. Remarks (see attached sheet)	
FIELD COMPLETION ADDITIONS AND CORRE	CTIONS TO THE MANUSCRIPT
42. Additions and corrections furnished by the field completion s manuscript is now complete except as noted under item 43.	urvey have been applied to the manuscript. The
Compiler	Supervisor
43 Remarks	. м.2623.12

Review Report Topographic Map T-9393 24 February 1955

62. Comparison with Registered Topographic Surveys:

T-1097

1:20,000

1869

T-3920

1922

Considerable changes in shoreline have occurred since these surveys. For the area it encompasses, T-9393 is to supersede these prior surveys for nautical charting purposes.

- 63. Comparison with Maps of Other Agencies: None.
- 64. Comparison with Contemporary Hydrographic Surveys: None.
- 65. Comparison with Nautical Charts:

1272

1:80,000

1947, corrected to 54-7/26

The advance print of T-9393 was applied in its entirety to this chart. No changes affecting the chart were made during this review.

66. Adequacy of Results and Future Surveys:

This map meets the National Standards of Map Accuracy and fulfills Bureau requirements.

Rewiewed by:

Everett H. Ramey

APPROVED:

Chief, Review Section

Photogrammetry Division

Chief, Photogrammetry Division

Chief, Nautical Chart Branch

Charts Division

Chief Coestal Sympose Division

PROJECT NO. Ph.60(49) T. 9393

Time and date of exposure 10:05 9 May 1950 Reference station FENSACOLA

29 March 1951 Date of field inspection

Subordinate station CHANDELEUR LIGHT

Ratio of ranges 0.9

Mean range 🕶

Ė ন 13 26 Time Ė 2 Duration of rise or fall High tide Low tide

0.0		Range of tide
0.0	0.0	Low tide
6*0	0°τ	High tide
of ranges	feet	
Height x Ratio	Height	

_		្ន	F	ပိတ္တ
Time	h. m.	1 31	30	ප
		High tide at Ref. Sta.	Time difference	Corrected time at Subordinate station

Low tide at Ref. Sta. 1 m. Low tide at Ref. Sta. 2 05 Time difference Corrected time at Subordinate station 2 35						
Sta. 1	e C	Ę.	S,	8		35
ow tide at Ref. Sta. Time difference Corrected time at Subordinate station	_	Ä.	G.	Q		N
			ow tide at Ref. Sta.	ime difference	corrected time at	ubordinate station

	h. m.		feet		feet	Photo. No.
Time H. T. 4/4/1/ Required time Interval	50 20 20 20 20 20 20	Ht. H. T. 4/4/1/ Tabular correction Stage of tide above MLW	6.0 4.0 7.0	Feature bares Stage of tide above MLW Feature above MLW		25861
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		

48. GEOGRAPHIC NAME LIST.

BRETON ISLAND *BRETON ISLAND SHOAL BRETON NATIONAL WILDLIFE REFUGE BRETON SOUND

GULF OF MEXICO

LOUISIANA

NORTH POINT

PLAQUEMINES PARISH

POLICE JURY WARD 4 (Not mapped) EME

WEST POINT

*Name not shown on map manuscript since feature could not be delimited satisfactorily from photographs.

Manus underlined on rod are approved.

8-15-52
L.HECY

Form 567 April 1945

PHOTOGRAMMETRIC REVIEW SECTION

F COMMERCE **DEPARTMENT**

U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS DIVILABIDIMARIES FOR CHARTS

TO BE CHARTED #6/6/10/2/4/16/6

STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla. 9 January, 19 52

I recommend that the following objects which have 0444/1400 been inspected from seaward to determine their value as landmarks be charted on (44444414444) the charts indicated.

The positions given have been checked after listing by R. B. Enitth, Jr.

								J. B. Waugh	ц'n	O	Chief of Party.	135
STATE	AMELENAM				POSITION			METHOD			ТЯАН:	
				LATITUDE*	LONG	LONGITUDE*		LOCATION	DATE) ME CI	CHARTS	8 F
CHARTING NAME	DESCRIPTION	SIGNAL	, - 0	D. M. METERS	•	" " D. P. METERS	DATCM	BURVEY No.				}
BUETON	enerch island daybeacon		29 28	8 1504.7	89 12	56.78	M.A. 1927	Theod. T-9393	1950	×	1272	
BRETON	BRETON ISLAND LIGHE		29 29	9 57.68	69 10	8 8 8 8	2	Triang.	1951	×	1270,	
										-	,	
										-		
		·										
									,	·		
										_		18

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating المراقع الأوائلة الأولان المراجعة المرا الايلادي الإيالية المالي المالية المالية الإيلادية المالية المالية المالية المالية المالية المالية المالية الم aids to navigation if redestrained

49. NOTES FOR THE HYDROGRAPHER.

The following topographic stations may be useful to the hydrographer:

BONE, 1950

BIDE, 1950

CHOP, 1950

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WASHINGTON 25, D.C.

COPY

June 12, 1951

Commanding Officer, Coast and Geodetic Survey, P. O. Box 858, Gulfport, Mississippi

Dear Sir:

Pursuant to my conversation with Mr. Lampton, instrument man with the C. & G. S., on Breton Island, March 29, 1951, there are enclosed herewith, sketch plats showing ties thereon between corners of the public land net and triangulation stations established on Breton Island by the C. & G. S.

The land net was extended from an identified land corner near Fort Phillips in the delta area and represents the first time that the rectangular system of surveys has been extended over Breton Island. No other islands in the Chandeleur - Breton Island chain were surveyed in the public land system.

Yours very truly,

/s/ Norville E. Shearer Norville E. Shearer Cadastral Engineer DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
P. O. BOX 858
BULFFORT, MISSISSIPPI

COPY

15 June 1951

To:

Officer in Charge

Tampa Photogrammetric Office U. S. Coast and Geodetic Survey

P. O. Box 1689 Tampa, Florida

Subject:

Land Lines, Project Ph-60(49) - Quadrangle T-9393

There is enclosed a letter to me from Bureau of Land Management and two township diagrams showing section corners recently established by that agency on Breton Island and ties made by them to control of this Bureau. This information was supplied at the request of this party as explained in Field Inspection Report for Map T-9393.

/s/ Percy L. Bernstein Percy L. Bernstein Commander, U.S.C.&G.S. Chief of Party

IYF/c

NAUTICAL CHARTS BRANCH

SURVEY NO. 7 9393

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
1/19/53	1272	84 m.	Before ** Verification and Review
′			July applied.
12/52	1270	FreyHES	Before After Verification and Review
8/28	/ <u>2</u> 72	N. Buryayne	Before After Verification and Review applied
			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.

History of Hydrographic Information for T-9393

Hydrography was added to the map manuscript in accordance with the Photogrammetry Division General Specifications of 18 May 1949.

Depth curves and soundings are in feet at Mean Lower Low Water datum and originate with the following C&GS Nautical Chart:

<u>No.</u>	Scale	Corrected to
1272	1:80,000	8/22/55

Hydrography was compiled by Bernard J. Colner on 4 June 1956 and verified by O. Svendsen.