

9656

Diag. Cht. No. 1268-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-89 Office No. T-9656

LOCALITY

State Louisiana

General locality Lake Borgne

Locality False Mouth Bayou

19452-55

CHIEF OF PARTY

P.L. Bernstein, Chief of Field Party
I.R. Rubottom, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE June 19, 1958

B-1870-1 (1)

9656

DATA RECORD

T-9656

Project No. (II): Ph-89

Quadrangle Name (IV):

FALSE MOUTH BAYOU

Field Office (II): New Orleans, La.

Chief of Party: P.L. Bernstein

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: Ira R. Rubottom

Instructions dated (II) (III): 11 April 1952

Copy filed in Division of
Photogrammetry (IV)

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):

OCT - 6 1955

Date reported to Nautical Chart Branch (IV):

OCT 17 1955

Applied to Chart No.

Date:

Date registered (IV): 26 Feb 1958

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N. A. 1927

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): BILOXI BAYOU, 1909

Lat.: 29° 59' 46" 769 (1440.1m)

Long.: 89° 33' 28" 692 (769.0m)

Adjusted

~~1440.1m~~

Plane Coordinates (IV):

State:

Zone:

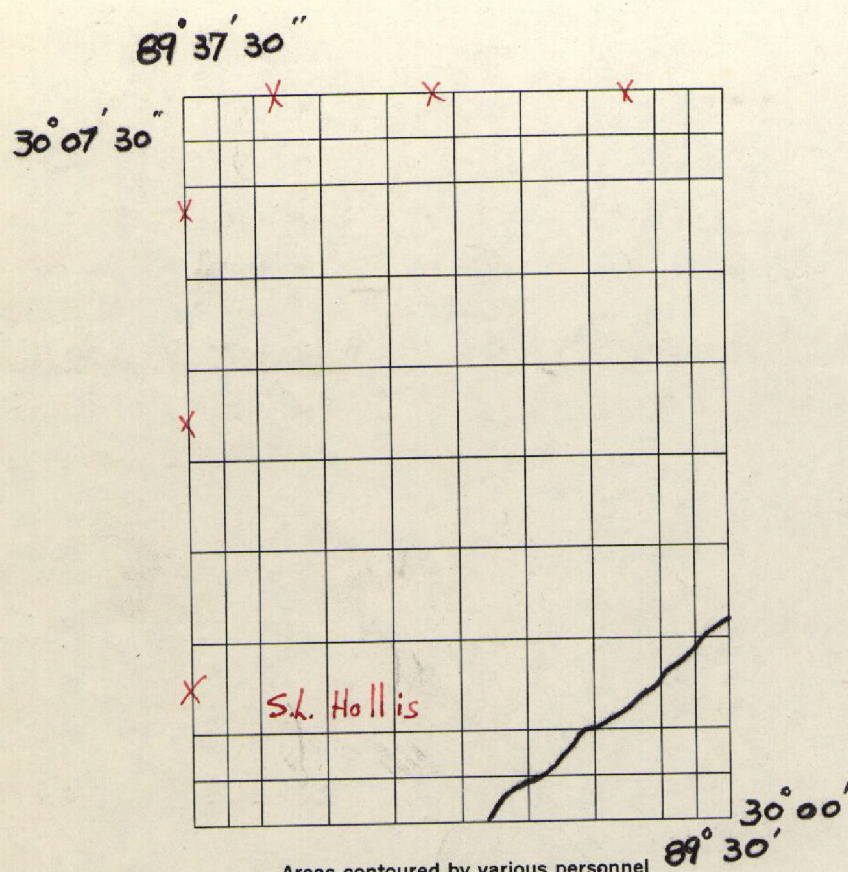
Y=

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.

T-9656



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

DATA RECORD

Field Inspection by (II): S.L.Hollis, Jr.

Date: Aug. 1952

Planetable contouring by (II): S.L.Hollis, Jr.

Date: Aug. 1952

Completion Surveys by (II):

See Review Report Item 66

Date:

Mean High Water Location (III) (State date and method of location):
Air Photo. Compilation

Aug. 1952

Projection and Grids ruled by (IV): Joan Thuma (W.O.)

Date: 16 June 1953 ✓

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

Date: 16 June 1953 ✓

Control plotted by (III): None

Date:

Control checked by (III):

None

Date:

Radial Plot ~~by (III):~~
~~Contouring~~ by (III):

M. M. Slavney

Date: 22 Oct. 1954 ✓

Stereoscopic Instrument compilation (III):

Planimetry
Inapplicable
Contours

Date:

Date:

Manuscript delineated by (III):

R. E. Smith, Jr. ✓

Date:

Photogrammetric Office Review by (III):

J. A. Giles ✓

Date:

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

J. A. Giles ✓

Date:

Camera (kind or source) (III): U.S.C. & G.S. 9 lens camera

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
35276	27 Feb. 1952	10:40	1:20,000	0.3
35277	"	10:41	"	"
35278	"	10:42	"	"
35299	"	11:10	"	"
35300	"	11:10	"	"

Reference Station:
Subordinate Station:
Subordinate Station:

Tide (III)
From Predicted Tides
Pensacola, Florida
Long Point, Lake Borgne, La.

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
-	-	1.3
0.3	-	1.0

Washington Office Review by (IV):

A.K. Heywood

Date:

Sept. 1957

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

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

5

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

7

~~Shoreline (Less than 200 meters to opposite shore) (III):~~

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): None

Recovered:

Identified:

Number of BMs searched for (II): None

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): 1

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

Remarks:

SUMMARY TO ACCOMPANY TOPOGRAPHIC MAP

This topographic map is one of 17 similar maps of Project PH-89. It covers a portion of Louisiana from Mississippi Sound south to Breton Sound.

Project PH-89 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 nine-lens photographs by planetable methods, and the investigation of geographic names and political boundaries.

Since almost all the terrain was marsh, only 3 of the maps on PH-89 were field edited. They are T-9660, T-9665, T-9667. All were compiled at the scale of 1:20,000, using nine-lens photographs taken in 1952. Newer 6W camera photographs taken in 1955 were used to revise delineation where necessary. There were few such cases.

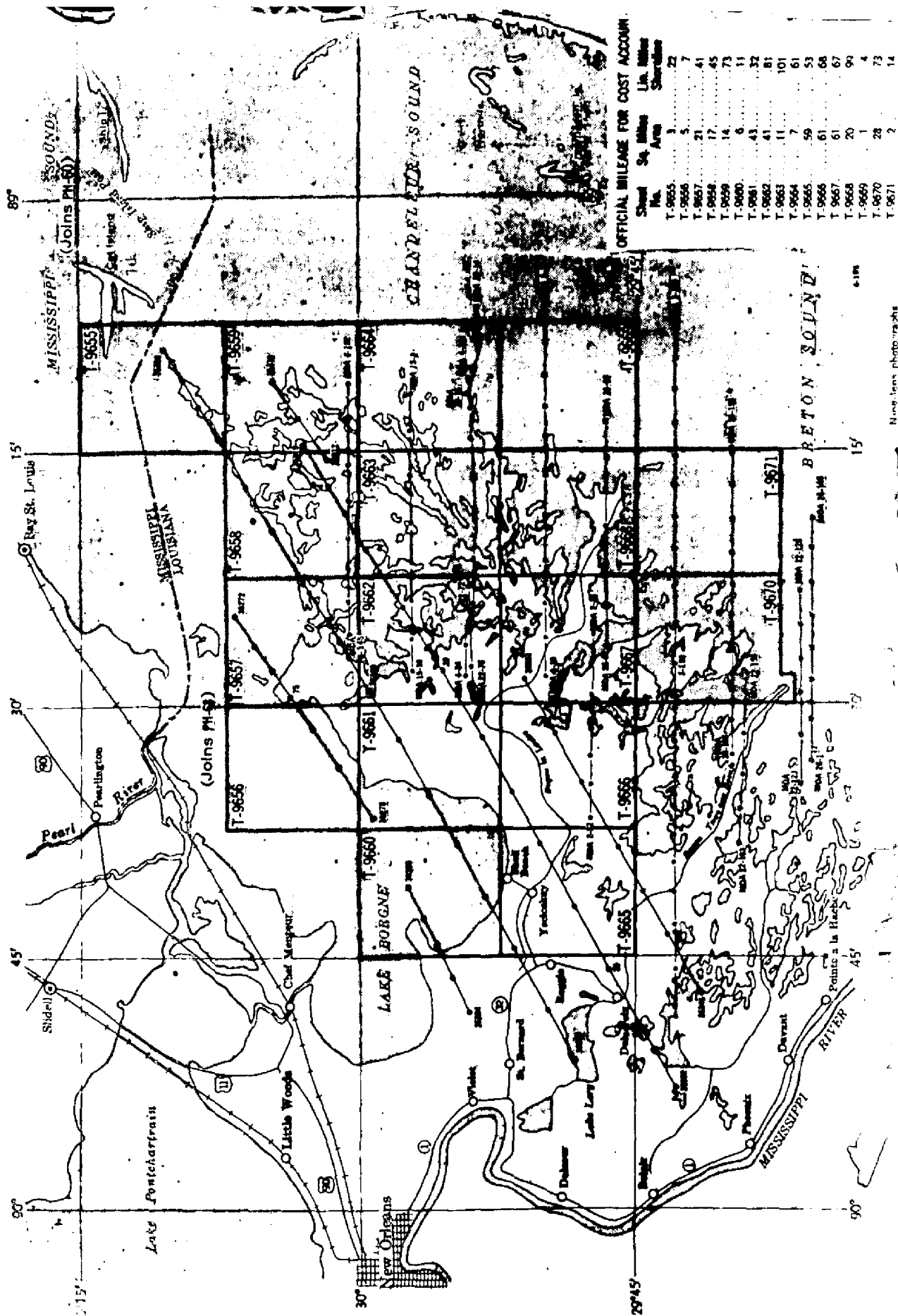
With the addition of hydrographic data these maps will be forwarded to the Geological Survey for publication as standard $7\frac{1}{2}$ minute quadrangles.

Items registered under each map number will include a Cronar film positive and a descriptive report.

TOPOGRAPHIC MAPPING PROJECT 20450

LOUISIANA, Mississippi Sound to Breton Sound

(Refer to A. R. Photo In boxes 110-E and 119-G)



2. AREAL FIELD INSPECTION

The land area is marsh, entirely broken up by numerous bayous and lakes. There are no prominent natural features.

Field inspection is believed to be adequate and complete.

Field work has been done on nine-lens photographs 35277, 35299, and 35300.

3. HORIZONTAL CONTROL

There is no horizontal control in this quadrangle.

4. VERTICAL CONTROL

Blind Pass tide staff was used to establish mean sea level datum in this quadrangle.

See "Special Report, Vertical Control and Contouring, Project Ph-89".

5 to 8. CONTOURS AND DRAINAGE, WOODLAND COVER, SHORELINE AND ALONGSHORE FEATURES, and OFFSHORE FEATURES, respectively:

See Field Inspection Report, Quadrangle T-9659().

9. LANDMARKS AND AIDS

There are no landmarks in the area. BAYOU BILOXI ENTRANCE LIGHT was located by photogrammetric methods.

10. BOUNDARIES, MONUMENTS, AND LINES

See Field Inspection Report, Quadrangle T-9659().

11. OTHER CONTROL

None was established.

12. OTHER INTERIOR FEATURES

There are none.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project Ph-89".

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

See Field Inspection Report for Quadrangle T-9659().

Submitted
8 September 1952

Steven L. Hollis 12
Steven L. Hollis, Jr.
Lieut (j.g.), U.S.C. & G.S.

Approved & Forwarded

11 Sept, 1952

Percy L. Bernstein

Percy L. Bernstein
Chief of Party

COMPILATION REPORT T-9656PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-9665.

31. DELINEATION.

The graphic method was used. Photographs were clear but of poor scale.

Field inspection was adequate. No unusual problems were encountered.

32. CONTROL.

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

The maximum ground elevation is two (2) feet.

Drainage was delineated without any difficulty.

35. SHORELINE AND ALONGSHORE DETAILS.

Shoreline inspection was adequate. The shoreline was delineated as interpreted from the photographs and in accordance with the field inspection notes submitted. No low-water or shoal lines have been shown.

36. OFFSHORE DETAILS.

None.

37. LANDMARKS AND AIDS.

Reference Item 9.

38. CONTROL FOR FUTURE SURVEYS.

One topographic station is being submitted on Form 524 herewith. It is duly listed under Item 49.

39. JUNCTIONS.

A satisfactory junction has been made with T-9790 on the north, T-9661 on the south, T-9792 on the west and T-9657 on the east.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

41. BOUNDARIES AND PUBLIC LAND LINES.

*A portion of the line separating Orleans Parish from St. Bernard Parish has been plotted "one marine league" along the west shore of Lake Borgne according to Act 338 of 1936. Reference Special Report on Boundaries for Project Ph 68. *THIS PARISH LINE WAS DELETED. IT COULD NOT BE DELINEATED ACCURATELY. AKB*

No control for the location of public land lines was recovered by the field inspector; therefore no section lines were shown.

46. COMPARISON WITH EXISTING MAPS.

A comparison was made with U.S.C. & G.S. Planimetric Map T-5313 (Alligator Point), scale 1:20,000 compiled from photographs taken on 28 of November 1932. Only minor changes have taken place.

Comparison was also made with U. S. Geological Survey Quadrangle,, False Mouth Bayou, scale 1:62,500, dated 1935.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with U.S.C. & G.S. Nautical Chart No. 1268, scale 1:80,000, date of publication - September 1940, third edition, bearing a print date of 13 April, 1952.

The maps listed under Item 46 were evidently the source of the topography and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

APPROVED AND FORWARDED.

Irving R. Rubottom
Irving R. Rubottom, Chief of Party

Rexford E. Smith Jr.

Rexford E. Smith, Jr.
Cartographic Photogrammetric Aid

48. GEOGRAPHIC NAME LIST.BAYOU BILOXIBAYOU MAGILLFALSE MOUTH BAYOULAKE BORGNELAKES OF BAYOU MARRONLOUISIANAORLEANS PARISHST. BERNARD PARISH

} PARISH LINE DELETED DUE TO
LACK OF ADEQUATE INFORMATION ~~ANT~~
Names approved
10-19-55. L. Heck

49. NOTES FOR THE HYDROGRAPHER

The following station is listed for the use of the hydrographer:

BAYOU BILOXI ENTRANCE LT. 1, 1952

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYNONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED } STRIKE OUT ONE

~~TO BE DELETED~~

Tampa Photogrammetric Office

8 June

19 55

I recommend that the following objects which have ~~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

Roxford E. Smith, Jr.

Ira R. Rabbottom

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						
LOUISIANA	LIGHT 1	BAYOU DIXON ENTRANCE Black box on dolphin		30	00	25.07 772	89	33	36.53 979	H. A. 1927	Radial Plot T-9656	Aug. 1952				1268
															13	

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

T. 9656

Classification label unclassified

5. Horizontal control stations of third-order or higher accuracy MMS 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) JG

10. Photogrammetric plot report JG 11. Detail points JG

(Nautical Chart Data)

12. Shoreline JG ~~To show water line, draw wavy line across map. Indicate rocks, shoals, etc. by small circles.~~ 16. Aids
to navigation JG ~~Indicate buoys, etc., by small circles.~~ 18. Other alongshore physical features JG 19. Other along-
shore cultural features JG

20. Water features JG 21. Natural ground cover JG 22. Plantable zones XXXXXX 23. Streetcrops XXXXXX

Instrument controls ~~xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx~~ 25. Spot elevations JG 26. Other physical features JG

[illegible]

31. Boundary lines JG ~~XXXXXXXXXXXXXXXXXXXX~~

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

40. Jesse A. Giles William A. Pasure
Jesse A. Giles William A. Pasure
Reviewer Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

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.

Supervisor

M.2623.12

TIDE COMPUTATION

PROJECT NO. Ph- 89 T- 9654

Time and date of exposure 10:41 27 Feb 1952 Reference station Pensacola, Florida ✓
 Date of field inspection 26 Aug 1952 Subordinate station Long Point, Lake Borgne, La. ✓
 Mean range 1.0
 Ratio of ranges 0.8

	Time		Height feet	Height x Ratio of ranges	Range of tide
	h.	m.			
High tide	12	24	0.5	0.4	✓
Low tide	7	40	0.4	0.3	✓
Duration of rise or fall	04	44		0.1	✓

	Time		High tide at Ref. Sta.	Time difference	Corrected time at Subordinate station
	h.	m.			
High tide at Ref. Sta.	12	24			
Time difference				+1	35
Corrected time at Subordinate station	13	59			

	Time		Low tide at Ref. Sta.	Time difference	Corrected time at Subordinate station
	h.	m.			
Low tide at Ref. Sta.	07	40			
Time difference				+1	35
Corrected time at Subordinate station	9	15			

	h. m.		Ht. MLW or L. T.	Tabular correction	Stage of tide above MLW	feet	Photo. No.
	h.	m.					
Time MLW L. T.	9	15				0.3	35277
Required time	10	41				0.0	
Interval	1	26				0.3	
Time H. T. or L. T.			Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		
Required time							
Interval							
Time H. T. or L. T.			Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		
Required time							
Interval							
Time H. T. or L. T.			Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		
Required time							
Interval							
Time H. T. or L. T.			Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		
Required time							
Interval							
Time H. T. or L. T.			Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW		
Required time							
Interval							

Computed by R. E. Smith Checked by W. H. Smith

FOR REVIEW REPORT SEE DESCRIPTIVE REPORT FOR T-9655

Review Report T-9655 & T-9656
Topographic Map
17 September 1957

61. General Statement

See Summary

62. Comparison with Registered Topographic Surveys

5313 Sup	1:20,000	1934
5325	1:20,000	1934

Manuscripts T-9655 and T-9656 supercedes all the above surveys in common areas as source material for chart construction.

63. Comparison with Maps of Other Agencies

USGS	Isle au Pitre	Scale	1:31,680	dated	1935
USGS	False Mouth Bayou	"	1:62,500	"	1935

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

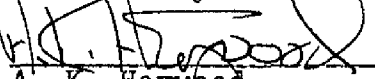
Chart 1268 1:80,000 3rd E. 1940 corrected to 3/25/57

66. Adequacy of Results and Future Surveys

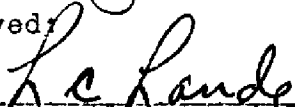
These manuscripts comply with all instructions and meet the National Standards of Map Accuracy.


No field edit was necessary due to the sparsity of culture and the completeness of field inspection. The manuscript was compared with USCGS 1955 W camera photography to verify the delineation. One small change in shoreline was made using the later photographs along the NE shore of Isle au Pitre. The sand beach has broken through to the inland lake.

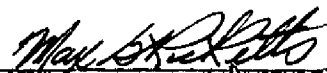
Reviewed by:


A. K. Heywood

Approved:


Chief, Review Branch
Photogrammetry Division


Chief, Photogrammetry Division


Chief, Nautical Chart Branch
Charts Division


Chief, Coastal Surveys Div.