

9661

ORIGINAL

Diag. Cht. Nos. 1268-2, 1270, & 1271.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No 6089 (Ph-89) Office No. T-9661

LOCALITY

State LOUISIANA

General locality LAKE BORGNE

Locality POINT aux MARCHETTES

1955

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

APR 15 1958

DATE _____

COMM-DC 61300

9661

DATA RECORD

T-9661

Project No. (II): 6089(Ph-89)

Quadrangle Name (IV): **RT ADX MARCHETTES**

Field Office (II): New Orleans, La.

Chief of Party: P.L. Berns tein

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): 5-7-56 Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 4 Mar 1958

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): M.S.L.

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): TRIP, 1934

Lat.: 29° 56' 26."910 (828.6 m)

Long.: 89° 34' 51." 646 (1385.0 m)

Adjusted
~~Unadjusted~~

Plane Coordinates (IV):

State:

Zone:

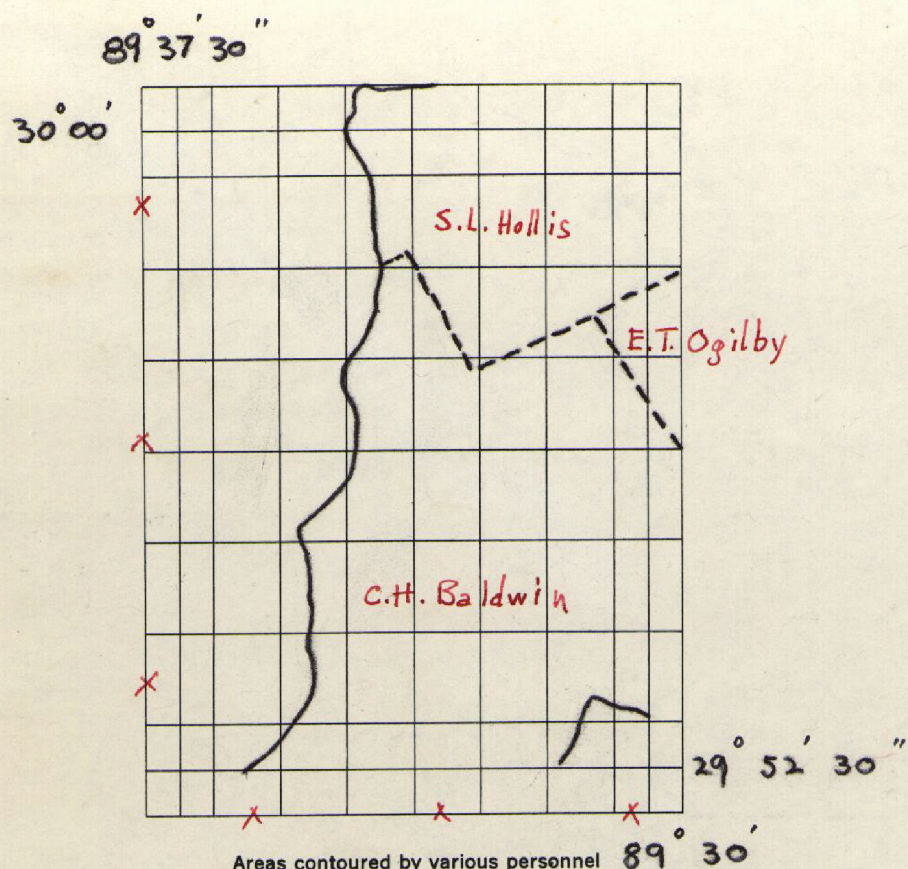
Y=

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.

T-9661



Areas contoured by various personnel

(Show name within area)

(II) (III)

DATA RECORD

Field Inspection by (II): C.H.Baldwin
S.L.Hollis, Jr.
E.T.Ogilby

Date: May - Aug. 1952

Planetable contouring by (II): C.H.Baldwin
S.L.Hollis, Jr.
E.T.Ogilby

Date: June, Aug. 1952

Completion Surveys by (II):

Date:

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

August 1952

Projection and Grids ruled by (IV): Joan Thuma (WO)

Date: 18 June 1953

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

Date: 22 June 1953

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

Date: 7 August 1953

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

Date: 10 August 1953

Radial Plot or Stereoscopic
Control extension by (III): M.M.Slavney

Date: 22 October 1954

Planimetry
Stereoscopic Instrument compilation (III): Inapplicable
Contours

Date:

Date:

Manuscript delineated by (III): I.I.Saperstein

Date: August 55

Photogrammetric Office Review by (III): R. Dossett

Date: August 55

Elevations on Manuscript
checked by (II) (III): R. Dossett

Date: 9 August 1955

Camera (kind or source) (III): U.S.C.&G.S. Nine-Lens, $8\frac{1}{4}$ " focal length

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
			Time		
35298	27 February 1952	11:08	1:20,000	0.3	
35299	"	11:10	"	"	
35326	"	11:40	"	"	

Predicted Tide (III)

Reference Station: Pensacola
 Subordinate Station: Long Point, Lake Borgne
 Subordinate Station:

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 43
 Shoreline (More than 200 meters to opposite shore) (III): 32 lineal
~~Shoreline (Less than 200 meters to opposite shore) (III):~~
 Control Leveling - Miles (II): None
 Number of Triangulation Stations searched for (II): 3
 Number of BMs searched for (II): None
 Number of Recoverable Photo Stations established (III): 1
 Number of Temporary Photo Hydro Stations established (III): None

Remarks:

Ratio of Ranges	Mean Range	Diurnal Spring Range
-	-	1.3
0.8	-	1.0

Date:

Date:

Date:

Date:

Recovered: 3
 Recovered:

Identified: 3
 Identified:

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 63 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 7½ minute quadrangles.

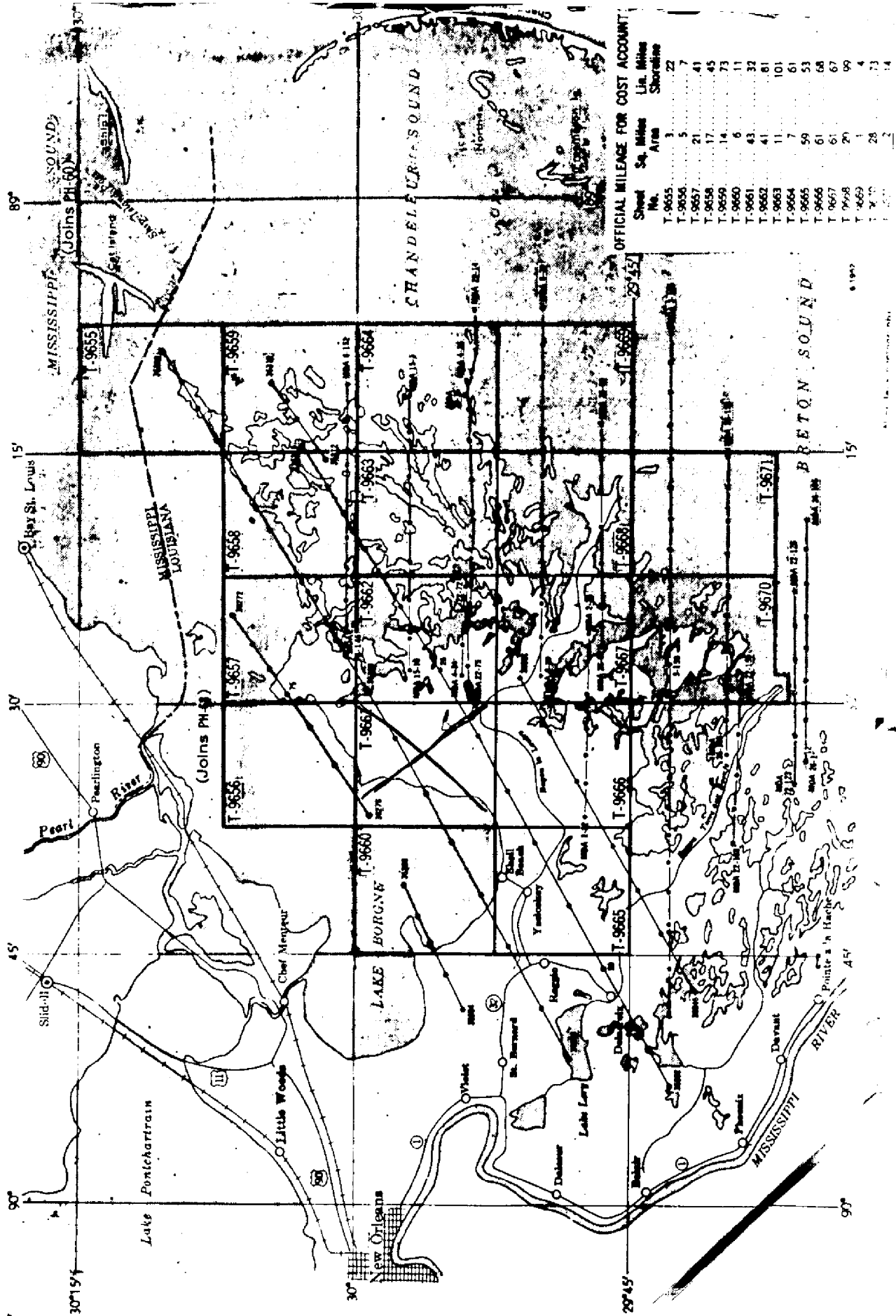
Items registered under each map number will include a Cronar film positive and a descriptive report.



TOPOGRAPHIC MAP NO. 24190

LOUISIANA, Mississippi Sound to Breton Sound

(Refer to Aerial Photo Index, sheets E and F of 119-G)



2. AREAL FIELD INSPECTION

The land area is marsh, broken into irregular sections by bayous and lakes. The shoreline is mostly apparent with occasional shell beaches. The most prominent natural feature is Bayou la Loutre, an old bed of the Mississippi River, which passes through the southeast corner of the map.

A natural feature of special importance is Magnolia Mound (See "Special Report, Geographic Names, Project Ph-89"). This mound is the highest natural elevation in the area. It has been identified and contoured on photograph 35326.

Field inspection is believed to be adequate and complete with no item left to be done by the field editor.

Nine-lens photograph quality is excellent.

Field work has been done on nine-lens photographs 35298 through 35300 and 35325 through 35327.

3. HORIZONTAL CONTROL

All existing horizontal control was recovered and identified. No supplemental control was established.

4. VERTICAL CONTROL

Blind Pass, Shell Beach, and Bakers Canal tide staffs were used as reference for reducing all elevations based on water surface to mean sea level.

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

5. CONTOURING AND DRAINAGE

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

6. WOODLAND COVER

Adequately covered by the photographs.

7. SHORELINE AND ALONGSHORE FEATURES

Adequately covered by the photographs. Also, see Field Inspection Report, Quadrangle T-9659().

8. OFFSHORE FEATURES

There are none.

9. LANDMARKS AND AIDS

There are no landmarks. The lone fixed aid to navigation was identified on the photographs for location by photogrammetric methods. Form 567 submitted.

10. BOUNDARIES, MONUMENTS AND LINES

There are no political boundaries in the area.

No section corners were recovered. For further discussion of land lines see Field Inspection Report, Quadrangle T-9660().

11. OTHER CONTROL

None.

12. OTHER INTERIOR FEATURES

See Field Inspection Report, Quadrangle T-9660().

13. GEOGRAPHIC NAMES

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

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

"Special Report, Vertical Control and Contouring, Project Ph-89", to be forwarded at a later date.

"Special Report, Geographic Names, Project Ph-89", to be forwarded at a later date.

Letter of Transmittal No. 89-11, Forms 567, forwarded to Washington Office 8 September 1952.

Letter of Transmittal No. 89-12, Forms 567, forwarded to Tampa Photogrammetric Office 8 September 1952.

Letter of Transmittal No. 89-15, Data, Quadrangles T-9660(),
T-9661(), T-9662(), T-9663(), and T-9664(), forwarded
to Washington Office 16 September 1952.

Submitted
8 September 1952

Charles H. Baldwin
Charles H. Baldwin
Cartographic Survey Aid

Approved & Forwarded
16 September 1952

Percy L. Bernstein
Percy L. Bernstein
Chief of Party

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COMPILATION REPORT T-9661

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9655.

31. DELINEATION

Compilation was by the graphic method.

The field inspection was adequate and no difficulty was encountered in the interpretation of the marsh or other features.

The photographs were of fair scale.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

No difficulty was encountered in the delineation of relief. The only contour shown by the field inspectors is near MAGNOLIA MOUND at the southeast part of the sheet. However, the U.S.G.S. Topographic Map "SHELL BEACH, LA", shows a fifteen foot contour near JAHNCKES DITCH in the southwestern part of the quadrangle.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate and no difficulty was encountered in its delineation.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

Reference Item 9

38. CONTROL FOR FUTURE SURVEYS

No marked topographic stations or photo-hydro stations were established. One Form 524 is being submitted for the Light offshore from the mouth of BAYOU ST. MALO. It has been listed under Item 49.

39. JUNCTIONS

T-9656 to the north- in agreement.
T-9660 to the west- water area.
T-9662 to the east- in agreement.
T-9666 to the south- in agreement.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

No section corners were recovered; consequently no section lines have been shown.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Topographic Quadrangle, SHELL BEACH LA. scale 1:62,500, edition of 1941.

Comparison has been made with C&GS Planimetric Map No. T-5314 compiled from photographs of Dec. 1932. Some displacement of detail was noted due to differences in radial plots.

A new channel has been cut at the mouth of BAYOU ST. MALO.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with C&GS Chart No. 1268 scale 1:80,000, published Sept. 1940, corrected to 13 April 1953.

The planimetric map listed under Item 46 is probably the source of topography for the chart except the new channel at BAYOU ST. MARLO is shown on Chart 1268.

Comparison was also made in the C&GS Chart No. 1270, scale 1:80,000, published June 1947, corrected to 18 Oct. 1954; and Chart No. 1271, scale 1:80,000, published April 1939, corrected to 7 Dec. 1953. Both charts cover part of the map manuscript. The new channel at BAYOU ST. MARLO is not shown on Chart 1271.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

I. I. Saperstein
I. I. Saperstein
Carto Photo Aid

Approved and Forwarded.

H. C. Saperstein

Ira R. Rubottom
Ira R. Rubottom, Chief of Party.

T-9661.

Geographic Names.

Bayou Biloxi
Biloxi Lagoon
Blind Bayou
Lake B_orgne
B_orick Lagoon

Cutoff Bayou
Cutoff Lagoon

Grand Bayou

Bayou H_asouse

Jahnckes Ditch

Lake Shore Bayou
Bayou la L_outre
Louisiana
Bayou Magill
Magill Lagoon
Bayou Magnolia
Magnolia Lagoon
Magnolia M_ound
Pt aux Marchettes
Lakes of Bayou Marron
Miscle B_y
Bayou Musce_olini

Nigger Lagoon

Padre Bayou
Petes Lagoon

St Bernard Parish
Bayou St Malo
Southwest Branch Bayou Biloxi
Stump Lagoon

Names approved 9-20-56

L. Heck_{L.H.}

* Title:

In view of the size of Lake B_orgne, its use for a single sheet title scarcely seems appropriate.

* NAME OF MAP CHANGED TO
"PT. AUX MARCHETTES"

48. GEOGRAPHIC NAME LIST

BAYOU BILOXI
BAYOU HASOUSE
BAYOU LA LOUTRE
BAYOU MAGNOLIA
BAYOU MUSCELINI
BAYOU ST. MALO
BILOXI LAGOON
BLIND BAYOU
BRICK LAGOON

CUTOFF BAYOU
CUTOFF LAGOON

GRAND BAYOU

JAHNCKES DITCH

LAKE BORCNE
LAKE SHORE BAYOU
LOUISIANA

MAGILL LAGOON
MAGNOLIA LAGOON
MAGNOLIA MOUND
MUSCLE BAY

NIGGER LAGOON

PADRE BAYOU
PETES LAGOON
PTE AUX MARCHETTES (OSLO IN TITLE ALSO)

SOUTHWEST BRANCH BAYOU BILOXI
STUMP LAGOON
ST BERNARD PARISH

49. NOTES FOR THE HYDROGRAPHER

The only station which may be of use to the hydrographer
and for which a Form 524 is submitted is as follows:

BAYOU ST. MALO LIGHT 1 (MALT, 1952)

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Photogrammetric Review Branch

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE OBSOLETE~~

STRIKE OUT ONE

Tampa Photo Office

5 August, 1951

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

The positions given have been checked after listing by I. I. Severeid

Ira B. Rubottom

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							
				°	'	°	'								
		LAKE BORGNE													
	LIGHT 1	Bayou St. Malo- black triangular slatted structure on piles. (BALT 1952)		29 53	16.73 515	89 36	01.75 47	N.A. 1927	Rad. Plot T-9661	1952	X		1268 1271		
															15

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

* 133

TIDE COMPUTATION

PROJECT NO. Ph. 89 T. 9661

Time and date of exposure 1108 27 Feb 1952 Reference station Pensacola Mean range ---
 Date of field inspection Aug 1952 Subordinate station Long Point Lake, Berge Ratio of ranges 0.8

	Time		Height feet	Height x Ratio of ranges	Range of tide	Time	
	h.	m.				h.	m.
High tide	13	59	0.5	0.4	High tide	12	24
Low tide	9	15	0.4	0.3	Low tide	1	35
Duration of rise or fall	4	44		0.1	Corrected time at Subordinate station	13	59
					Time difference	+	1 35
					Low tide at Ref. Sta.		7 40
					Corrected time at Subordinate station		9 15

	h.	m.	feet	Photo. No.
Time H. T. or L. T.	9	15		
Required time	11	08	0.3	35298
Interval	1	53	0.0	
Time H. T. or L. T.			0.3	
Required time				
Interval				
Time H. T. or L. T.				
Required time				
Interval				
Time H. T. or L. T.				
Required time				
Interval				
Time H. T. or L. T.				
Required time				
Interval				
Time H. T. or L. T.				
Required time				
Interval				

Computed by 115 Checked by R. J. Smith

PHOTOGRAMMETRIC OFFICE REVIEW

50.

T- 9661

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

4a. Classification label unclassified

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.D. 7. Photo hydro stations XX 8. Bench marks XX
9. Plotting of sextant fixes XX 10. Photogrammetric plot report WAR 11. Detail points R.D.

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines R.D. 32. Public land lines R.D.

MISCELLANEOUS

33. Geographic names R.D. 34. Junctions R.D. 35. Legibility of the manuscript R.D. 36. Discrepancy overlay R.D. 37. Descriptive Report R.D. 38. Field inspection photographs R.D. 39. Forms R.D.
40. R. Dossett William A. Rasure
Reviewer 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:

REVIEW REPORT T-9661
TOPOGRAPHIC
26 September 1957

61. General Statement

See summary

62. Comparison with Registered Topographic Surveys

405	1:20,000	1853
628	1:20,000	1859
3664	1:40,000	1917
5314	1:20,000	1934

Manuscript T-9661 supercedes all the above surveys in common areas as source material for chart construction.

63. Comparison with Maps of Other Agencies

USGS Shell Point	1:62,500	1939
USGS Bayou Biloxi	1:31,680	1935

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

1268	1:80,000	3rd ed. 1940	3/25/57
1270	1:80,000	2nd ed. 1947	12/17/56
1271	1:80,000	" " 1939	7/22/57

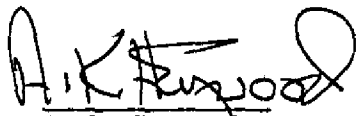
Refer to Compilation Report Item 47.

66. Adequacy of Results and Future Surveys

This map complies with all instructions and meets the National Standards of Map Accuracy.

No field edit was necessary due to the nature of the terrain. A complete field inspection was furnished. All delineation was checked with "W" camera 1955 photography. No changes were made.

Reviewed By:


A. K. Heywood

Approved:

R. C. Landy
Chief, Review Branch
Photogrammetry Division

May. Skelton
Chief, Nautical Chart Branch
Charts Division

W. L. Swanson
Chief, Photogrammetry Division
20 March 1958 *WLS*

J. S. Smith
Chief, Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T. 9661

Reviewed 26 Sept. 1957

Record of Application to Charts

[illegible]

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.