9788

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-68 *Office No.* T-9788

LOCALITY

State Mississippi

General locality Mississippi Sound

Locality Waveland

19M51-56

CHIEF OF PARTY

P.L.Bernstein, Chief of Field Party
J.E.Waugh, Tampa Photo, Office

LIBRARY & ARCHIVES

DATE July, 31, 1959

8-1870-1 (1)

9788

DATA RECORD

T-9788

Project No. (II): Ph-68(50) Quadrangle Name (IV): WAVELAND

Field Office (II): Gulfport, Mississippi Chief of Party: P. L. Bernstein

Photogrammetric Office (III): Tampa, Florida Officer-in-Charge: J. E. Waugh

Instructions dated (II) (III): 14 August 1951 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): Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 2/24/59

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): BSL 5 (USE) 1941

Lat.: 30° 15' 46".85 (1442.7 m) Long.: 89° 23' 40".34 (1078.3 m) Adjusted ~~Unadjusted~~

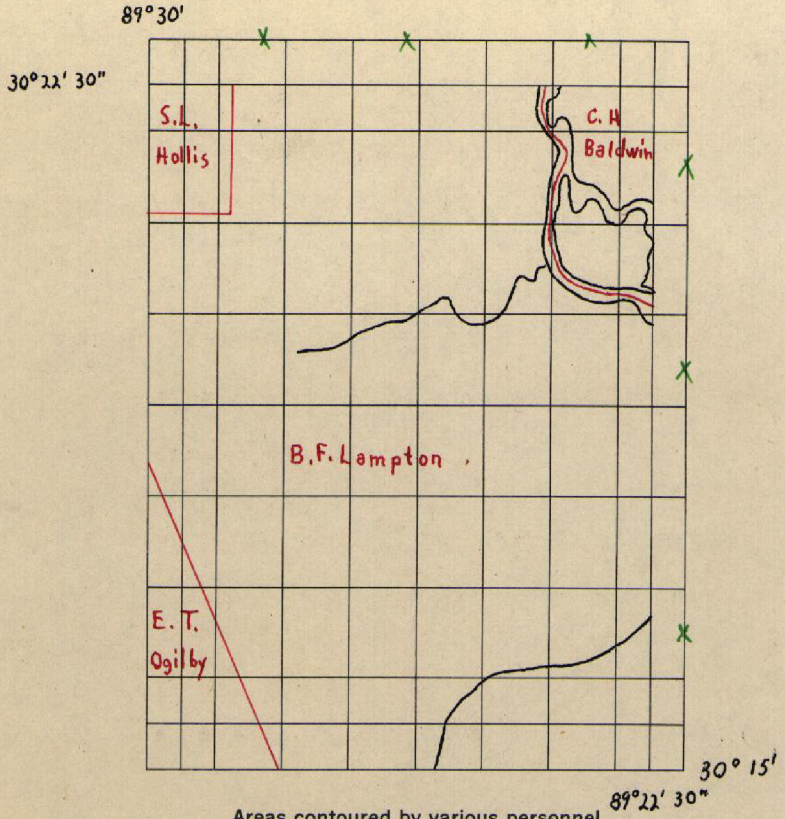
Plane Coordinates (IV): State: Zone:

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.

M-2618-12(4)



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

M-2618-12(4)

DATA RECORD

Field Inspection by (II): B. F. Lampton, Jr. Date: Nov.51-Mar.52

Planetable contouring by (II): B.F.Lampton, Jr.
S. L. Hollis, Jr.
E. T. Ogilby
C. H. Baldwin
Date: Dec.51-Mar.52

Completion Surveys by (II): GEORGE S VARNADOE Date: SEPT 1956

Mean High Water Location (III) (State date and method of location):
Air Photo compilation April 1952

Projection and Grids ruled by (IV): J. A. (W.O.) Date: 14 Oct. 1952

Projection and Grids checked by (IV): H. D. W. (W.O.) Date: 15 Oct. 1952

Control plotted by (III): I. I. Saperstein Date: 5 Jan. 1953

Control checked by (III): R. J. Pate Date: 6 Jan. 1953

Radial Plot or ~~Stereoscopic Control extension~~ by (III): M. M. Slavney Date: 15 Jan. 1953

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

Manuscript delineated by (III): R. E. Smith Date: 9 Oct. 1953

Photogrammetric Office Review by (III): J. A. Giles Date: 16 Oct. 1953

Elevations on Manuscript checked by (III): J. A. Giles Date: 14 Oct. 1953

M-2618-12(4)

Summary to Accompany Topographic Map

This topographic map is one of seven maps of Project PH 68. It covers the north shore of LAKE BORGNE and continues into MISSISSIPPI SOUND. Project PH-69 joins the four most southern manuscripts and Project PH-60 joins the other three.

It is a graphic compilation project. Field work in advance of compilation included the recovery of control field inspection, the delineation of 5 foot contours on 1952 nine-lens photographs by planetable methods and the investigation of geographic names and bounderies.

The two most northern sheets T-9786 and T-9787 were contoured by the Reading Plotter with a 10' interval.

A nine-lens plot was run by the Tampa Office on the five most southern sheets and a separate nine-lens plot on sheets T-9786-87 was run by the Washington Office. The plots junctioned well.

All sheets were compiled and scribed by the Tampa District Office. New photography taken in 1955 with the "W" camera was used to revise delineation where necessary.

The manuscripts were field edited.

With the addition of hydrographic data these maps will be forwarded to the Geological Survey for publication.

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

Camera (kind or source) (III): USC&GS Nine-lens Camera, Focal length 8.24 inches

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
33469	24 April 1951	0807	1:20,000	0.8
33485	"	0827	"	"
33486	"	0828	"	"
33487	"	0830	"	"
33488	"	0831	"	"
33503	"	0858	"	"
33504	"	0859	"	"
33505	"	0900	"	"
33519	"	0926	"	"

Tide (III)

		Ratio of Ranges	Mean Range	Spring Range	
Reference Station:	Pensacola, Florida	-	-	1.3	
Subordinate Station:	Long Point Lake Borgne	0.8	-	1.0	Diurnal
Subordinate Station:	Computed from the predicted Tide Tables				

Washington Office Review by (IV): A.K. Herndon Date: FEB. 1959

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 61.5

Shoreline (More than 200 meters to opposite shore) (III): 4.3

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

Control Leveling - Miles (II): 33

Number of Triangulation Stations searched for (II): 14 Recovered: 14 Identified: 14

Number of BMs searched for (II): 18 Recovered: 14 Identified: 10

Number of Recoverable Photo Stations established (III): 36*

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

Remarks:

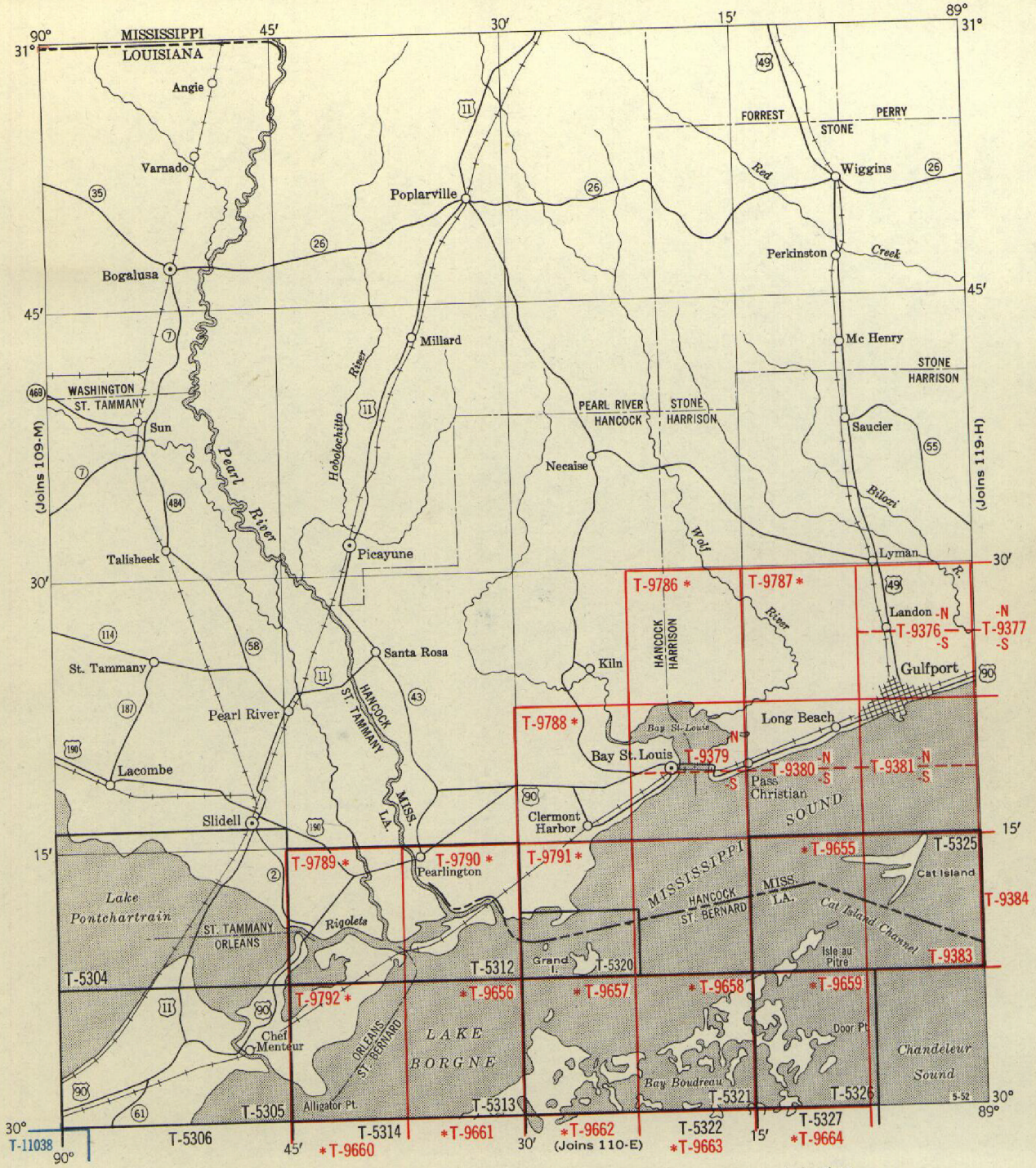
* Section corners

M-2618-12(4)

LOUISIANA
MISSISSIPPI

UNITED STATES
DEPARTMENT OF COMMERCE
Coast and Geodetic Survey
Washington, D. C.

MAP INDEX 119-G



PLANIMETRIC MAPS: Show natural and cultural features within the map limits except contours and elevations. Maps T-5304, T-5305, T-5312, T-5313, T-5320, T-5321, T-5325 and T-5326, scale 1:20,000, prepared from aerial photographs taken November and December 1932. Printed and distributed by the U. S. Coast and Geodetic Survey. Price 75c each.

TOPOGRAPHIC MAPS: Part of the 7½-minute series of standard topographic quadrangle maps of the United States. Maps T-9376, T-9379 to T-9381 compiled by the U.S. Coast and Geodetic Survey in two parts each (North and South) at scale of 1:10,000, map T-9383 at scale of 1:20,000, from aerial photographs taken June 1950; maps T-9655 to T-9659, compiled at scale of 1:20,000, from photographs of February 1952; maps T-9786 to T-9792, from photographs of April 1951. Printed and distributed by the U.S. Geological Survey at scale of 1:24,000. Pending final publication by the U.S. Geological Survey, and for special purposes after publication, photographic copies of the map manuscripts can be furnished by the U.S. Coast and Geodetic Survey at 75c each of manuscripts at 1:20,000 scale and for each half of manuscript at 1:10,000 scale.

2. AREAL FIELD INSPECTION

The area is flat coastal plain extending north from the Mississippi Sound. The Jourdan River crosses the northeast corner of the quadrangle. The area is traversed east and west by Bayou La Croix, U. S. Highway 90, and the Louisville and Nashville Railroad. It includes the town of Clermont Harbor and part of the towns of Waveland and Lakeshore.

The quadrangle includes the Bay St. Louis Monitoring Station of the Federal Communications Commission. The supervisor of the station has requested that he be furnished a geographic position of the center of one of the buildings. This building is pricked direct on photograph 33487 and identified as Photo Pt. 12. Photogrammetric location will be satisfactory. The position should be given in degrees, minutes, and seconds (to tenths), and mailed to P. O. Box 300, Bay St. Louis, Mississippi.

THIS BLDG. WAS DELETED DURING FIELD EDIT. SEE FIELD EDIT SHEET *1. AKA

The field inspection is believed to be complete.

There are no current changes apparent to call to the attention of the field editor.

The photographs are clear and of excellent scale.

Field work was done on photographs 33485-88, 33503-05, 33518-19, and 33469.

3. HORIZONTAL CONTROL

The following U. S. Engineer stations were recovered: BSL 1, 3, 5, 7, 10, 11, 13, 15, 17, 19, and 22. These are 1941 stations. The accuracy is not known but is believed to be third-order. *GEODESY BELIEVED THESE STATIONS TO BE 3RD ORDER BUT WERE NOT POSITIVE. AKA

Station BROWN 1931 has been reported as lost on Form 526. Reference Mark No. 2 was recovered and identified.

4. VERTICAL CONTROL

The following U.S.C.& G.S. first-order bench marks were recovered and identified on the photographs: Z 17, A 18, X 121, Z 121, A 122, RM 2 BROWN, and *Y 121.

*DESTROYED AKA

The following U.S.C.& G.S. second-order bench marks were recovered and identified on the photographs: H 136, J 136, K 136, L 136, *N 136, *KILN 1931.

*NORTH & PROSSET AKA

Recovery notes are also being submitted on the following U.S.C.& G.S. second-order bench marks, which are not identified on the photographs: KILN 1931 RM NO 1, KILN 1931 RM NO 2.

Fly levels were run to establish supplemental elevations for control of planetable contouring. All closures were satisfactory.

Level points have been designated 88-01 through 88-60.

5. CONTOURS AND DRAINAGE

Contouring was done on photographs by standard planetable methods. There is very little relief except along drains.

There is considerable marsh along the shoreline and main streams. The drainage is very poor and most of the area has standing water during rainy season. This should not be considered marsh. Most of the secondary drainage is in the form of swamps rather than streams. There are a number of drains that actually cross ridges. * SEE COMMENT IN FIELD EDIT REPORT ITEM #57 AKR

6. WOODLAND COVER

The woodland on high ground is practically all second growth pine forest. In the swamps, there is mixed hardwood and cypress. There are large areas of cut-over land, now all grass. There are a few small pecan groves.

7. SHORELINE AND ALONGSHORE FEATURES

The mean high water line of Mississippi Sound is a concrete seawall. In the Jourdan River and its tributaries most of the shoreline is apparent (marsh).

The horizontal difference between the mean high water line and the low water line is too small to be shown throughout the quadrangle.

There are numerous piers in the Mississippi Sound and a few in the rivers. These have been indicated on the photographs.

8. OFFSHORE FEATURES

* The only offshore feature is a platform in the Mississippi Sound. This is visible on the photographs and has been indicated.

* ADDITIONAL FEATURES ADDED DURING FIELD EDIT. AKR

9. LANDMARKS AND AIDS

There are no landmarks or aids to navigation within the quadrangle.

10. BOUNDARIES, MONUMENTS AND LINES

See "Special Report, Boundaries, Project Ph-68(50)".

The boundary monuments of the Town of Waveland are no longer in existence.

There is considerable confusion as to section lines within Township 8 South, Range 14 West. The plats furnished this party have apparently been superseded by a number of land grants. Mr. E. S. Drake, Surveyor, of Bay St. Louis, Mississippi has compiled a map of Hancock County, which he believes shows the section lines correctly, although the scale is too small for compilation purposes. The General Highway Map of Hancock County shows the same section lines except for a few small changes. Only a few section corner monuments could be found within this township.

The following section corners have been recovered and identified on the photographs: In T8S R14W: the NE. corner of Section 19, and the NW. corners of Sections 7, 11, 19, 32, and 24 (at extreme N. tip). In T9S R14W: the NW. corners of Sections 3, 4, 5, 6, 7, 8, 9, 10, 11, 15, and 16. In T8S R15W: the NW. corners of Sections 10, 11, 14, 15, 25, 26, 34, and 35. In T9S R15W: the NW. corners of Sections 1, 2, 3, 10, 13, 14, 15, 22, and 24.

11. OTHER CONTROL

No recoverable topographic stations were established. Previously established control is sufficient.

12. OTHER INTERIOR FEATURES

Bridge data will be found on the following page.

Attention is called to U. S. Highway 90. The highway is the southern of two roads throughout most of the quadrangle. It is a Road 2 and was built to replace the northern road which is a Road 4. The northern road is in good condition and still receives some local use. However, Highway 90 should be considered as a two lane road, not four lane.

There are two race tracks in the western part of the quadrangle. These are private tracks used to train race horses. The western track is apparently not in use at present, but it is still a prominent topographic feature.

In the cleared areas there are numerous tracks visible on the photographs. These were made by vehicles used in logging operations and are not roads. Most of them have been deleted on the photographs, but they are too numerous to delete all of them.

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

Copy

POST-OFFICE ADDRESS: P. O. Box 208
Arabi, Louisiana

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

23 April 1952

To: District Engineer
New Orleans District
Corps of Engineers, U. S. Army
P. O. Box 267
New Orleans, Louisiana

Subject: Bridge Data

There is enclosed herewith a list of the bridge clearance data determined by this party.

Percy L. Barnstein
Commander, U.S.C.& G.S.
Chief of Party

cc: The Director
Tampa Photogrammetric Office
District Engineer, Mobile District

LIST OF BRIDGES OVER THE NAVIGABLE WATERS OF THE UNITED STATES
1 JULY 1941 EDITION, AND SUPPLEMENT

Page	Location	Use	Type	Spans	Left	Center	Right	Vertical Cl. Above MHW.
	LACROIX BAYOU, MISS. **							
242	Bay St. Louis, Miss.	Hwy	Sw	2		40.0* 34.0		2.0* 1.7

* Measurements listed in 1 July 1941 Edition of Bridge Book.
** The above bridge not in operation.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project Ph-68(50)".

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

"Special Report, Boundaries, Project Ph-68(50)", to be submitted at a later date.

"Special Report, Geographic Names, Project Ph-68(50)", to be submitted at a later date.

Data, Quadrangle T-9788( ), letter of transmittal 68-8, forwarded to Washington Office 23 April 1952 .

Submitted
4 April 1952

B. Frank Lampton, Jr.

B. Frank Lampton, Jr.
Cartographic Survey Aid

Approved and forwarded

23 April 1952

Percy L. Bernstein

Percy L. Bernstein
Chief of Party

COMPILATION REPORT T-9788

PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-9791.

31. DELINEATION.

The manuscript was delineated by the graphic method. No unusual methods of compilation were used.

32. CONTROL.

Horizontal control was adequate with reference to identification, density and placement.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

No difficulties were encountered in delineating the drainage. Contour discrepancies have been noted on the discrepancy overlay. Reference, H. R. Cravat's letter dated 10 June 1952, 732-mkl.

* ALL DISCREPANCIES RESOLVED BY FIELD EDIT AHK

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection was adequate.

No low-water or shoal lines have been shown on the map manuscript.

36. OFFSHORE DETAILS.

Reference Item 8.

37. LANDMARKS AND AIDS.

Reference Item 9.

38. CONTROL FOR FUTURE SURVEYS.

*Thirty-six (36) Forms 524 for recoverable topographic stations are being submitted with this report.

* THIRTY-FIVE OF THESE ARE SECTION CORNERS AGH

These stations have not been listed under Item 49 as they are all inshore and of no aid to the hydrographer.

39. JUNCTIONS.

Junction was made on the south with T-9791.
Junction was made on the east with T-9379 (see Item 34).
There is no contemporary survey either on the north or west.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

46. COMPARISON WITH EXISTING MAPS.

Comparison has been made with quadrangle, BAY ST. LOUIS, scale 1:62,500, Army Map Service, dated 1912, reprint 1942. They are in fair agreement.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison has been made with USC&GS Nautical Chart 877, Mississippi Sound, Gulfport to Grand Island Pass, scale 1:40,000, issued in October 1951, corrected to 9 August 1952. There are no differences worthy of note.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Rexford E. Smith Jr.
Rexford E. Smith, Jr.
Carto Photo Aid

APPROVED AND FORWARDED:

J. E. Waugh
J. E. Waugh, Chief of Party

48. GEOGRAPHIC NAME LIST.

BAYOU ENCEINTE
BAYOU LA CROIX
BAYOU MARONE
BAYOU PHILIP
BREATH BAYOU

CAMERON ISLAND
CATFISH BAYOU
CLERMONT HARBOR
CUTOFF BAYOU
CUTOFF LAKE

EDWARDS BAYOU

FOUR DOLLAR BAYOU

GRAND BAYOU
GULF VIEW CONSOLIDATED SCHOOL
GUM BRANCH

HOLY CROSS CHURCH AND CEMETERY

JACKSON MARSH
JACKSON RIDGE
JOURDAN RIVER (BGN)

KILN ROAD

LA CROIX BRIDGE
LAKESHORE
L & N RAILROAD

MISSISSIPPI
MISSISSIPPI SOUND

PEARLINGTON ROAD

SAND BAYOU
* SPANISH TRAIL CHURCH
ST JOHNS CHURCH

TURKEY BAYOU

UMBRELLA BAYOU
U S 90

WAVELAND

*Not located on map manuscript

27 July 1957
The above names have been verified as correct
Geographic Names Section
GEORGE M. Bell

48. GEOGRAPHIC NAME LIST (CONTINUED)

LAND GRANTS

PIERRE CAREO

JOHN J JOURDAN

NOEL JOURDAN

* JOSEPH LA FARVE

JOHN B LARDNER

E W RIPLEY

* To be verified by Field Editor

49. NOTES FOR THE HYDROGRAPHER.

None.

TIDE COMPUTATION

PROJECT NO. Ph-68(50) T-9388

Time and date of exposure 0814 24 Apr.1951 Reference station Pensacola, Florida Mean range Diurnal

Date of field inspection 13 March 1952 Subordinate station Long Point, Lake Borgne Ratio of ranges 0.8

	Time h.	Time m.
High tide	13	33
Low tide	00	09
Duration of rise or fall	13	24

	Height feet	Height x Ratio of ranges
High tide	1.6	1.3
Low tide	-0.4	-0.3
Range of tide		1.6

	Time h.	Time m.
High tide at Ref. Sta.	11	58
Time difference	+1	35
Corrected time at Subordinate station	13	33

	Time h.	Time m.
Low tide at Ref. Sta.	22	34
Time difference	+1	35
Corrected time at Subordinate station	00	09

	h.	m.		feet		feet	Photo. No.
Time H. T. ~~or L. T.~~	13	33	Ht. H. T. ~~or L. T.~~	1.3	Feature bares		
Required time	08	14	Tabular correction	0.5	Stage of tide above MLW		
Interval	05	19	Stage of tide above MLW	0.8	Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		

M-2617-12

Computed by R. R. Wagner Checked by W. W. Dawsey

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9788

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

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) J.G. 7. Photo hydro stations XX 8. Bench marks J.G.
9. Plotting of sextant fixes J.G. 10. Photogrammetric plot report J.G. 11. Detail points J.G.

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads J.G. 28. Buildings J.G. 29. Railroads J.G. 30. Other cultural features J.G.

BOUNDARIES

31. Boundary lines J.G. 32. Public land lines J.G.

MISCELLANEOUS

33. Geographic names J.G. 34. Junctions J.G. 35. Legibility of the manuscript J.G. 36. Discrepancy overlay J.G. 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G.
40. Jesse A. Giles (Reviewer) William A. Rasure / Wm. 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:

M-2623-12

Field Edit Report
Quad. T-9788

51. Methods. All roads were ridden out to check their classification and to visually check the planimetry and contours. The shoreline and offshore features were inspected from a road along the shoreline and by walking the shoreline.

Standard plane-table methods were used to locate additional offshore features; to locate the roads and canals in a new subdivision; to test the accuracy of the contours and to recontour a small area in the northeastern part of the quadrangle.

Many features were identified on the photographs and cross referenced on the field edit sheets.

Field edit information is shown on the following: Three Field Edit Sheets numbered 1 to 3 inclusive; One Discrepancy Print; One Section and Grant Line Discrepancy Print and one ratio print each of Photographs nos. 55w-1720, 1721, 1722, 1723, 1734, 1735 and 1736.

Violet ink was used for all corrections and additions and green ink was used for all deletions on all sheets and photographs. A legend appears on each Field Edit Sheet.

52. Adequacy of the Compilation. Many features which are clearly depicted on the 1955 photographs were not compiled during the revision of the sheet.

Much time was spent on features, especially buildings and roads, where the vegetation is heavy, due to the feature being obscured and not indicated during field inspection.

53. Map Accuracy. No horizontal accuracy tests were made as such. However, while locating offshore features, by graphic triangulation, some well defined points of detail were checked , all of which were found to be less than 0.3mm in error.

Contours were tested in several scattered areas. A total of 11 points were tested. One hundred percent of these points were in error less than one half the contour interval.

It was found necessary to recontour an area of approximately one half square mile in the northeastern part of the quadrangle. It was found here that no junction was made with the adjoining sheet to the east, contours were shown which do not exist and those shown were misplaced and misshaped for the most part. The junction is now satisfactory.

The original contouring in this area was done by a different individual from those who contoured the balance of the sheet and in no way should this work reflect on the remainder of the map.

54. Reccommendations. None offered.

55. Examination of the Proof Copy. Mr. E. S. Drake, a local surveyor of note for approximately 50 years in this area has agreed to examine a proof copy of the map. Mr. Drakes address is Bay St. Louis, Miss.

No discrepancies in geographic names were noted or found.

56. Reference Side Heading 10 of Report. No additional Grant Line or Section Line Corners could be located. Mr Drake, who is mentioned under side heading 55, and who gave invaluable aid in locating these lines in Quad. T-9397, stated that due to the absence of physical features extensive surveying would probably be necessary to recover any of these corners.

The north, south lines dividing the eastern four sections immediately north of T8S T9S angle as shown on the Section and Grant Line Discrepancy Print, according to Mr. Drake.

57. Reference Side Heading 5 of Report. To attempt to clarify paragraph two of this side heading the following is offered.

In some areas, especially in the southwestern part of the Quad. pasture land (grass) grows and in some areas is cultivated, between swamp and marsh. This land is low with no drainage except by seepage. Therefore, altho the area is not marshy, standing water is to be found during the wet season.

No drains were found crossing ridges.

Respectfully submitted,
14 September 1956

George E. Varnadoe

George E. Varnadoe
Photo. Engr.

REVIEW REPORT T-9788

TOPOGRAPHIC

February 25, 1959

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Map Number	Date	Scale
370	1852	1:20,000
3663	1917-18	1:40,000

All of the above surveys are superceded by manuscript T-9788.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

BAY ST LOUIS 1:62,500 1912-1914

A comparison with this map was of little use since the base was compiled from USC&GS Chart 190 and a soil conservation map. Both of these sources are over 50 years old.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None

65. COMPARISON WITH NAUTICAL CHARTS

Chart 877 combined edition Oct 1951 Revised June 1958

A comparison was made and additions are listed asfollows:

1. A line of piling extending into MISSISSIPPI SOUND 900' just SW of CLERMONT HARBOR.

2. Several near-shore islets of marsh exist just south of CLERMONT HARBOR.

3. Two foul areas southwest and northeast of CLERMONT HARBOR. These areas are alongshore adjacent to the seawall.

4. Submerged piling extending seaward 900' off Waveland.

5. A platform 1100' ESE of BSL4-USE 1941

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This manuscript complies with all instructions.

A vertical accuracy check was made and contours tested were found adequate.

Horizontal accuracy is adequate to meet standards.

This manuscript complies with National Standards of Map Accuracy.

Reviewed by:

A. K. Heywood

Approved by:

L C Landy
Chief, Review & Drafting Section
Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry Division
23 July '59

Chief, Coastal Surveys Division

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9788

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
			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
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			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.