

9792

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-9792

LOCALITY

State Louisiana

General locality Mississippi-Louisiana
Coast

Locality Lake Borgne

19 ~~51~~ 56

CHIEF OF PARTY

P.L.Brenstein, Chief of Field Party

I.R.Rubottom, Tmapa Photo. Office

LIBRARY & ARCHIVES

DATE

2626
9792

DATA RECORD

T = 9792

Project No. (II): Ph-68

Quadrangle Name (IV):

LAKE BORGNE

Field Office (II): Gulfport, Mississippi

Chief of Party: P. L. Bernstein

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: Ira R. Rabotton

Instructions dated (II) (III): 14 August 1951

Copy filed in Division of Photogrammetry (IV)

Supplement 1 10 October 1951
Supplement 2 15 February 1952
Supplement 3 10 March 1952

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): DACE, 1952

Lat.: 30° 04' 34".934 (1075.7 m.) Long.: 89° 41' 03".534 (94.6 m.)

Adjusted
~~Unadjusted~~

Plane Coordinates (IV):

State:

Zone:

Y=

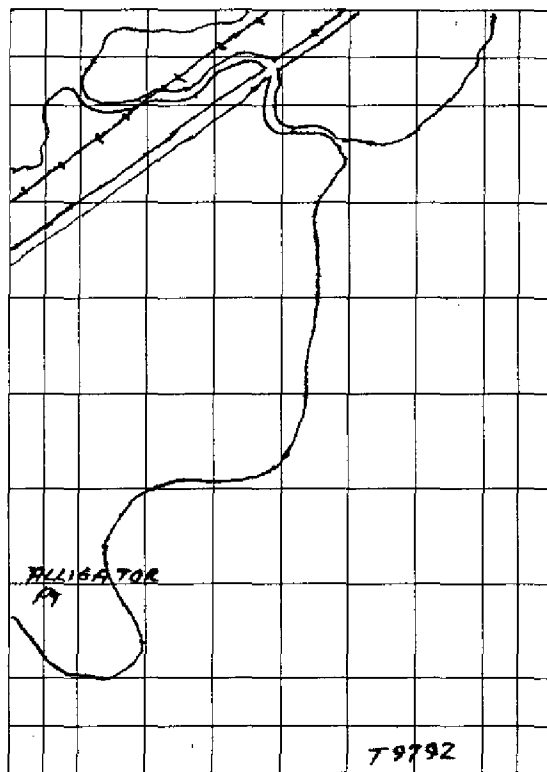
X=

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.

30°07'30"

89°45'



30°00'

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

89°37'30"

DATA RECORD

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

Date: Mar. 1952

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

Date: Mar. 1952

Completion Surveys by (II): *GEORGE S. WARGADOE*

Date: *Nov. 1956*

Mean High Water Location (III) (State date and method of location): **Air photo compilation - 24 Mar. 1952**

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

Date: 14 April 1952

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

Date: 14 April 1952

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

Date: 20 Oct. 1952

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

Date: 23 Oct. 1952

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

Date: 1 Dec. 1952

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

Date:
Date:

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

Date: 20 Aug. 1954

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

Date: 21 Sept. 1954

Elevations on Manuscript
checked by (M) (III): J. A. Giles

Date: 15 Sept. 1954

Camera (kind or source) (III): **USC&GS Nine-lens camera**

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
33473	24 April 1951	0811	1:20,000	0.8
33474	"	0812	"	"
33475	"	0813	"	"
33476	"	0814	"	"
33480	"	0822	"	"
33481	"	0823	"	"
33482	"	0824	"	"

Tide (III)

Diurnal

Reference Station: **Pensacola, Florida**
Subordinate Station: **Long Point, Lake Borgne, La.**
Subordinate Station:

Ratio of Ranges	Mean Range	SPM Range
0.8		1.0

Washington Office Review by (IV):

A. K. Hendon

Date: *JAN, 1959*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **22.5**

Shoreline (More than 200 meters to opposite shore) (III): **13.0**

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): **42*** Recovered: **23*** Identified: **10***

Number of BMs searched for (II): **45** Recovered: **22** Identified: *** 7**

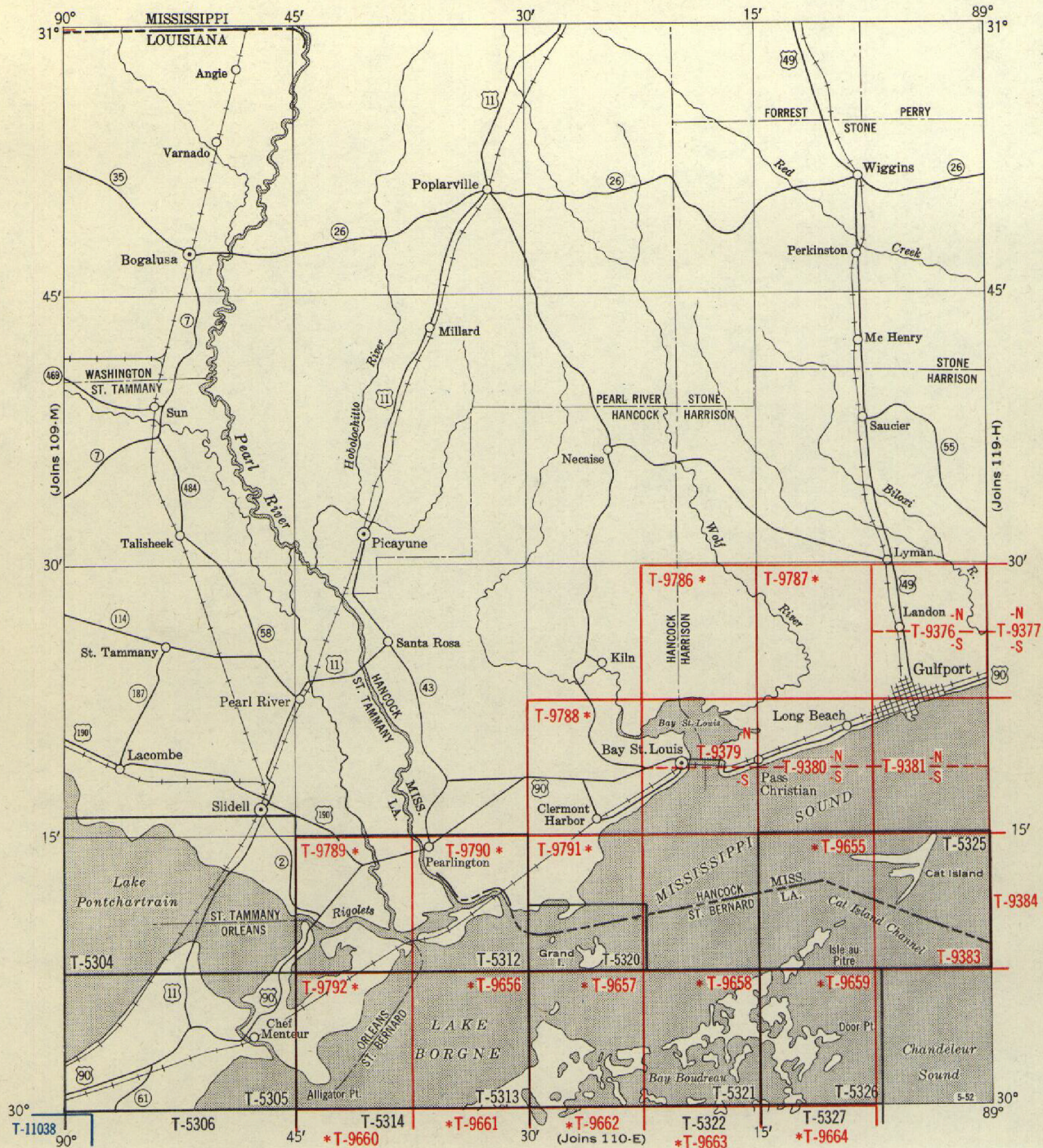
Number of Recoverable Photo Stations established (III): **9**

Number of Temporary Photo Hydro Stations established (III): **0**

Remarks:

* Five third-order stations established; two identified.

** None of these within sheet limits
ARH*



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.

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-89 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 boundaries.

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.

THE FIELD INSPECTION REPORT
WAS SUBMITTED WITH THE
DESCRIPTIVE REPORT FOR T-9791

COMPILATION REPORT T-9792

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.

Reference photogrammetric plot report.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

No difficulties were encountered in delineating the drainage nor in transferring the contours to the manuscript.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline has been shown according to field inspector's notes and office interpretation of photographs. No low-water or shoal lines have been shown. There was adequate inspection.

36. OFFSHORE DETAILS.

No statement.

37. LANDMARKS AND AIDS.

None.

38. CONTROL FOR FUTURE SURVEYS.

Nine (9) Forms 524 for recoverable topographic stations are being submitted with this report.

A list of these stations is included under Item 49.

39. JUNCTIONS.

Junction was made with Survey T-9789 to the north; T-9656 (Ph-89) to the east; and T-9660 (Ph-89) to the south.

There is no contemporary survey to the west.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

41. PUBLIC LAND LINES.

* No attempt was made to show section lines since no corners or points on line were recovered by the field inspector. Unless at least one section corner can be recovered, it is not considered feasible to attempt locating section lines.

* SEE REVIEW REPORT
ITEM # 67
AKH

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with USC&GS Planimetric Map T-5313, ALLIGATOR POINT, scale 1:20,000, November 1932.

The two are in good agreement. The shoreline has changed slightly and the Intracoastal Waterway has been extended into this area.

Comparison was also made with Geological Survey, ALLIGATOR POINT Quadrangle, scale 1:31,680, 1935 edition. The two are in good agreement. The same differences notes on Planimetric Map T-5313 exist here too.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with USC&GS Nautical Chart No. 1268, scale 1:80,000, published in September 1940, ~~corrected to 9 June 1952.~~ bearing a print date 13 April 1953. The two are in good agreement.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Richard A. Reece
Richard A. Reece
Carto Photo Aid

APPROVED AND FORWARDED.

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

48. GEOGRAPHIC NAME LIST.

ALLIGATOR BEND
ALLIGATOR POINT

BAYOU PLATTE
BAYOU SAPATA
BIG DEEDIE LAKE
BLIND BAYOU
BOBS BAYOU

DEEDIE BAYOU

FREDERICK BAYOU

INTRACOASTAL WATER ^{way} RIGOLETS - NEW ORLEANS CUT

LAKE BORGNE
LAKE CATHERINE (COMMUNITY)
LAKE ST CATHERINE
LITTLE BAYOU PLATTE
LITTLE DEEDIE LAKE
LOUISIANA
LOUISVILLE & NASHVILLE RAILROAD

MILLER BAYOU

ORLEANS PARISH

SHELL POINT
ST BERNARD PARISH

TRULOIX BAYOU
TRULOIX POINT

UNKNOWN PASS

*Names approved
1-17-55. h. Heck.*

49. NOTES FOR THE HYDROGRAPHER.

The following is a list of topographic stations that will be useful to the hydrographer:

ACID, 1952 (west of T-9792)

CAGE, 1952

EAST, 1952

BALK, 1952

LONG, 1952

CHIN, 1952

DASH, 1952

ECHO, 1952

CONE, 1952

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9792.

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 XX 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. XX 15. Bridges J.G. 16. Aids to navigation XX 17. Landmarks XX 18. Other alongshore physical features J.G. 19. Other along-shore 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 *

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 William A. Rasure
Reviewer Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

***No section corner could be recovered.
Reference Field Inspection Report with T-9791**

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:

TIDE COMPUTATION

PROJECT NO. Ph-68 T-9792

Time and date of exposure 0823-24 Apr 1951 Reference station Pensacola, Florida *Journal* 1.0

Date of field inspection Long Point, Lake Borgne, La Subordinate station ratio of ranges 0.8

	Time		Height feet	Height x Ratio of ranges	Time	
	h.	m.			h.	m.
High tide	11	58	1.6	1.3	11	58
Low tide	22	34	-0.4	-0.3	21	35
Duration of rise or fall	10	36		1.6	13	33

	Time		Height feet	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	feet	Feature bares Stage of tide above MLW Feature above MLW	Corrected time at Subordinate station	Photo. No.
	h.	m.						
Time H. T. or L. T. Required time Interval	11	58	1.3	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	0.5	Feature bares Stage of tide above MLW Feature above MLW	22 34	33481
	3	35	0.3	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW	+ 1 35	
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	24 09	
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		

Computed by R. Russell Checked by R. Russell M-2617-12

Field Edit Report
Quad. T-9792

51. Methods. The shoreline and shoreline features were inspected from a boat. Features along the railroad were inspected by landing nearby and walking along the railroad.

Some features were identified and labeled on the photographs and cross referenced to the field edit sheet.

Field edit information is to be found on the following: The field edit sheet; the discrepancy print and one ratio print of photograph No. 55W-1587.

Violet ink was used for all additions and corrections and green ink was used for all deletions. A legend appears on the field edit sheet.

52. Adequacy of the Compilation. After the application of the field edit information the compilation will be adequate and complete.

53. Map Accuracy. No horizontal accuracy test was made. The only contour appearing on the sheet is the five foot contour along the railroad bed, This was inspected visually and no vertical accuracy test was made.

54. Recommendations. None offered.

55. Examination of the Proof Copy. No one contacted is believed to be qualified to examine the proof copy for possible errors.

56. Boundaries Monuments and Lines. Section lines and corners were plotted (approximately) on the north half of the discrepancy print and a search was made for corners and crossings near the railroad and intracoastal waterway. Inquiries were made at the village of Lake Catherine and at the houses at Unknown Pass, but no information could be obtained and no section corners or crossings were recovered.

The boundary line between Orleans Parish and St. Bernard Parish, as shown on this map, has not been verified. Mr. Eugene Estopinal, Parish Engineer, of St. Bernard Parish was contacted on 22 October. The records and old maps of his office were searched, but no evidence was found that would verify this line. Mr. Estopinal suggested referring the matter to the Asst. District Attorney and advising me by mail of the outcome. No information was received by 12 November and on that date I again visited Mr. Estopinal's office and there contacted Mr. L. H. Perez Jr., Asst. District Attorney for St. Bernard Parish. Mr. Perez stated that some research had been made concerning this boundary and that when the research was completed we would be furnished with his report. His report when received should be made a part of this report.

George E. Varnadoe
George E. Varnadoe
Photo Engr

Respectfully submitted,

15 Nov. 1956

REVIEW REPORT T-9792

TOPOGRAPHIC

Jan. 26, 1959

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

629	1:20,000	1857	3664	1:40,000	1917-18
773	1:20,000	1858	5313	1:40,000	1934
			Suppl.		

Manuscript T-9792 supercedes all of the above surveys in common areas as source material for chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

USGS, ALLIGATOR POINT, 1:31,680 1935

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None

65. COMPARISON WITH NAUTICAL CHARTS

1268, 3rd Edition Sept. 1940, 10/6/58

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This manuscript complies with all instructions.

No section corners could be recovered by the field parties. Due to this, no land line net has been shown. The G. S. quadrangle "ALLIGATOR POINT" covering this area also fails to show any recovered corners.

No vertical accuracy test was made and none was needed. The only contour is a five foot contour along the railroad. This was checked visually.

Horizontal accuracy is adequate.
This map meets the Standards of National Map Accuracy.


67 BOUNDARIES

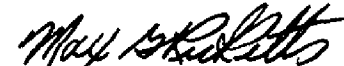
The boundary line between ORLEANS PARISH and ST. BERNARD PARISH has not been shown. Refer to field edit report, item 56. The report mentioned under this heading has not been received as of the date of final review.

REVIEWED BY



A. K. Heywood


APPROVED BY:


Chief, Review & Drafting Section
Photogrammetry Division


Chief, Nautical Chart Branch
Charts Division


Chief, Photogrammetry Division


Chief, Coastal Surveys Division

13 July 1959 

Partially applied to Chart 878, Dec. 12, 1955 Okid.