

9789

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-9789

LOCALITY

State Louisiana

General locality Gulf Coast

Locality Rigolets

19A 5156

CHIEF OF PARTY
P.L. Bern-stein, Chief of Field Party
I.R. Rubottom, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE July 31, 1959

B-1870-1 (1)

6826
9789

DATA RECORD

T- 9789

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

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

Photogrammetric Office (III): Tampa, Fla. Officer-in-Charge: Ira R. Rabottom

Instructions dated (II) (III): 14 August 1951 Copy filed in Division of
Supplement 1 10 October 1951 Photogrammetry (IV)
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): JAN 10 1955

Applied to Chart No. Date: Date registered (IV): 2/4/59

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): PIKE 1931, 1952

Lat.: 30° 09' 58".985 (1816.3 m.) Long.: 89° 44' 14".445 (386.5 m.) Adjusted
Unadjusted

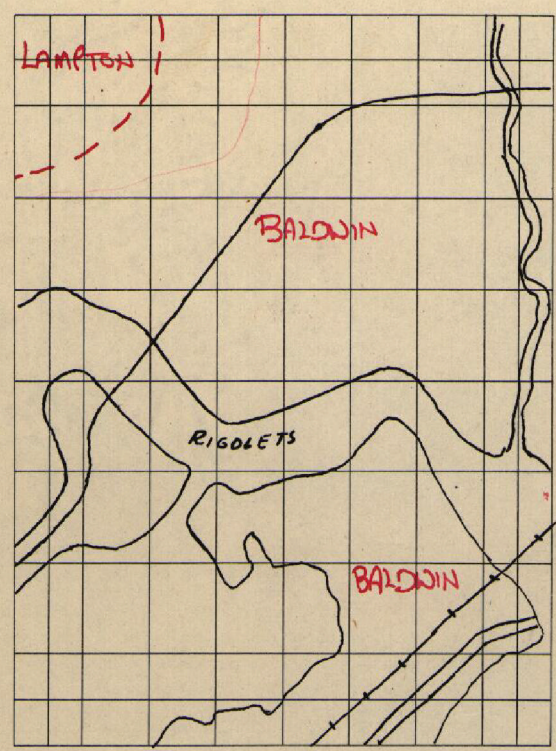
Plane Coordinates (IV): State: Zone:

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°15'
89°45'



30°07'30"

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

89°37'30"

DATA RECORD

Field Inspection by (II): **C. H. Baldwin** Date: **March 1952**

Planetable contouring by (II): **C. H. Baldwin** Date: **March 1952**
B. F. Lamton, Jr.

Completion Surveys by (II): **G. VARNADOE** Date: **OCT. 1956**

Mean High Water Location (III) (State date and method of location): **February 1952**
Air Photo Compilation

Projection and Grids ruled by (IV): **J. A. (W.O.)** ^{ALLEN} Date: **11 April 1952**

Projection and Grids checked by (IV): **H. D. W. (W.O.)** ^{WOLFE} Date: **11 April 1952**

Control plotted by (III): **I. I. Saperstein** Date: **10 October 1952**

Control checked by (III): **R. J. Pate** Date: **15 October 1952**

Radial Plot or ~~Stereoscopic~~ **M. M. Slavney** Date: **1 December 1952**
Control Extension by (III):

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

Manuscript delineated by (III): **R. Dossett** Date: **August 1954**

Photogrammetric Office Review by (III): **J. A. Giles** Date: **8 Sept. 1954**

Elevations on Manuscript checked by ~~(II)~~ (III): **J. A. Giles** Date: **8 Sept. 1954**

Camera (kind or source) (III): **USC&GS Nine-lens, 8 1/4 in. focal length**

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
33508	April 24, 1951	0905	1:20,000	0.8
33509	"	0904	"	"
33510	"	0903	"	"
33481	"	0823	"	"
33482	"	0824	"	"
33483	"	0825	"	"
33513	"	0919	"	"
33514	"	0920	"	"
33515	"	0921	"	"
33473	"	0811	"	"

Tide (III)

From predicted tides

Reference Station: **PENSACOLA**
 Subordinate Station: **LONG POINT, LAKE BORGNE**
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
0.8		1.0

Washington Office Review by (IV): **A.K. Heywood**

Date: **FEB 3rd 1959**

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **55.9**

Shoreline (More than 200 meters to opposite shore) (III): **30**

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

Control Leveling - Miles (II): **None**

Number of Triangulation Stations searched for (II): **74**

Recovered: **37**

Identified: **29**

Number of BMs searched for (II): **63**

Recovered: **40**

Identified: **22**

Number of Recoverable Photo Stations established (III): **16**

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

Remarks:

THE FIELD INSPECTION REPORT

IS BOUND WITH T-9791

COMPILATION REPORT T-9789

PHOTOGRAMMETRIC PLOT REPORT.

Submitted with report to T-9791.

31. DELINEATION.

Compiled graphically.

The photographs were of reasonably good scale.

32. CONTROL.

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA.

None

LAND OFFICE PLOTS ?

34. CONTOURS AND DRAINAGE.

No difficulty was encountered with the contours.

The drainage consists principally of bayous and their tributaries. They have been delineated according to photographic interpretation.

35. SHORELINE AND ALONGSHORE DETAILS.

The major portion of the shoreline is apparent and has been delineated according to photographic interpretation.

All piers, catwalks and alongshore structures indicated by the field inspection, or observed photographically, have been delineated.

With reference to the catwalks shown, it was noted that the field inspector did not so label them. A member of the field party, however, is presently in this office and ~~has~~ corroborated the compiler's photographic interpretation of this feature.

36. OFFSHORE DETAILS.

None

37. LANDMARKS AND AIDS.

Attention is called to the slight difference in the true bearing of the two range lines RIGOLETS and LAKE BORGNE.

The bearings as given by the Light List are as follows:

RIGOLETS = 277° 42'

LAKE BORGNE = 261°

An inverse computation gives the following:

RIGOLETS = 278° 04'

LAKE BORGNE = 261° 08'

ONE LOMK, WEST RIGOLETS LH 1917, WAS SUBMITTED
BY FIELD INSPECTION.
AKB
?

38. CONTROL FOR FUTURE SURVEYS.

Sixteen (16) Forms 524 are being submitted for recoverable topographic stations.

Nine (9) of these are being listed under Item 49 as an aid to the hydrographer.

39. JUNCTIONS.

A satisfactory junction has been made with T-9792 on the south and T-9790 on the east. There is no contemporary survey to the west or north.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

SEE REPORT BOUND WITH T-9791 FOR HORIZONTAL ACCURACY. AKH

41. PUBLIC LAND LINES.

A study of "Quad Rigolets" (1935) indicated that section lines in the area south of RIGOLETS were sketched. No starting point was recovered by the field inspection party for application of the General Land Office plotted plat to the manuscript. * Application has been left to the discretion of the Washington Office.

46. COMPARISON WITH EXISTING MAPS.

* THESE MAIN LINES SOUTH OF RIGOLETS WERE APPLIED FROM USGS QUAD TABOLETS 1:31,680, 1935. AKH

A comparison has been made with Planimetric Map T-5312, compiled from aerial photographs dated November 28, 1932, scale 1:20,000 and Topographic Quadrangle "RIGOLETS, LA", scale 1:31,680, compiled by U. S. G. S. in 1935. The most outstanding differences noted were the "INTRACOASTAL WATERWAY RIGOLETS - NEW ORLEANS CUT and dredged canals on the north and south sides of RIGOLETS at the FORT PIKE bridge.

47. COMPARISON WITH NAUTICAL CHARTS.

A comparison has been made with USC&GS Nautical Chart No. 1268, scale 1:80,000, published September 1940, and bearing a print date of ~~6/9/52~~ 4/13/53. No discrepancies were noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Rudolph Dossett
Rudolph Dossett
Carto Photo Aid

APPROVED AND FORWARDED

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

48. GEOGRAPHIC NAME LIST.APPLE PIE RIDGEBAY JAUNEBAY JAUNE POINTBAYOU BAY JAUNEBAYOU EUGENELittle ~~Blond~~ RIGOLETSCATFISH POINTCHALON BAYOUCORRIDOR BAYOUCOUNTERFEIT PASS*CURTIS DITCH (omit)DeerDEER ISLAND*DEEDIE BAYOU (shown on T-97⁹2, to S.)DESERT ISLANDDOUBLE BAYOU LAGOONEAST DOUBLE BAYOUEAST MIDDLE RIVEREAST MOUTHEAST PASSFANN BAYOUFOSTER BAYOUFORT PIKEFORT PIKE BRIDGEFOSTER BAYOUFREDERICK BAYOUFRITCHIE MARSHGEOHEGAN CANALGOOSE PONDGOOSE POND BAYOUGRAND COIN BAYOUGRAND COIN POCKETGRAVES DITCHGRAND COP POINTHOG ISLANDHONEY ISLANDHOSPITAL PASS

(altho Blond Rigolets is preferred in Project Names Report, old name is approved since it is used in Coast Pilot, etc. Any change should await a decision by B.G.N.)

*Feature not mapped because the dredging of the Intercoastal Waterway is thought to have destroyed much of it.

48. GEOGRAPHIC NAME LIST (CONTINUED)

INTRACOASTAL WATERWAY, ROGOLETS - NEW ORLEANS CUT

JOHNSON ISLAND
JOHNSON PASS

Joos lagoon

LAKE BORGNE
LAKE PONTCHARTRAIN
LAKE ST CATHERINE
LITTLE DEEDIE LAKE
LITTLE LAGOON
LILY LAGOON

LOUISIANA
LOUISVILLE AND NASHVILLE RAILROAD
LOWER BLACK BAYOU

MIDDLE RIVER
MILL BAYOU

ORLEANS PARISH

PEARL RIVER
PEARLINGTON BAYOU
PERDIDO BAYOU
POITERANTS DITCH
PREVCST ISLAND

V

RABBIT ISLAND
RICHARDSON BAYOU
RIGOLETS (PASS)
RIGOLETS (TOWN)

SALT BAYOU
SAWMILL PASS
SEVEN LAGOONS
SOES LAGOON

see above

STATE HIGHWAY 2
STUMP BAYOU
STUMP LAGOON
ST CATHERINE PASS
ST TAMMANY'S PARISH

(official form is St. Tammany)

TROUT BAYOU
TOUMER MILL POND

UPPER BLACK BAYOU
U S HIGHWAY 90
U.S. Highway 190

48. GEOGRAPHIC NAME LIST (CONTINUED)

WEEMS ISLAND
WEST DOUBLE BAYOU
WEST MIDDLE RIVER
WEST MOUTH
WEST PEARL RIVER

Names approved
1-17-55. L. Heck.

49. NOTES FOR THE HYDROGRAPHER.

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

BANE 1952

PONT 1952

ALLY 1952

DEAL 1952

BODY 1952

ACME 1952

DENY 1952

DOCK 1952

BOLT 1952

PHOTOGRAMMETRIC REVIEW BRANCH

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla. 20 August 1952

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

The positions given have been checked after listing by

R. Donnett

Iva L. Rebotton

Chief of Party.

CHARTING NAME	STATE	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. P. METERS						
	LOUISIANA														
LIGHT		THE RIGGLES WEST RIGGLES, black box on pale. (PORT 1952)		30 10	28.97 892	89 44	31.50 923	N.L. 1927		1952	X			1268	
LIGHT 2		NORTH SECRE CHANNEL RIGGLES ENTRANCE, red box on dolphin	OFF PROJECT	30 10	35.17 1083	89 45	17.12 458	"	"	"	X			"	
LIGHT		LAKE BORGES RANGE REAR, daymark on black square pyramidal structure, slatted on range face		30 08	10.256 315.8	89 38	22.466 601.3	"	Triang.	"	X			"	
LIGHT		RIGGLES - NEW ORLEANS RANGE FRONT, daymark on white post		30 08	48.316 1487.7	89 37	57.055 1527.0	"	"	"	X			"	
LIGHT		RANGE REAR, daymark on white post		30 08	50.354 1550.5	89 38	13.599 304.0	"	"	"	X			"	

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 coast and not for

PHOTOGRAMMETRIC OFFICE REVIEW

50.

T-9789

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 J.G. 14. Rocks, shoals, etc. XX 15. Bridges J.G. 16. Aids to navigation J.G. 17. Landmarks J.G. 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 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 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:

TIDE COMPUTATION

PROJECT NO. Ph-68(53)T-9789

Time and date of exposure 0823 24 Apr 1951 ✓ Reference station Pensacola, Fla ✓
 Date of field inspection Feb 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
	h.	m.		
High tide	11	58	1.4	1.3
Low tide	22	34	-0.4	-0.3
Duration of rise or fall	10	36		1.6

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

	Time	
	h.	m.
Low tide at Ref. Sta.	22	34
Time difference	+1	35
Corrected time at Subordinate station	24	09

	h.	m.	Height feet	Height x Ratio of ranges	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	feet	feet	Photo. No.
Time H. T. or L. T. Required time Interval	11	58				1.3	Feature bares Stage of tide above MLW Feature above MLW	33481
Time H. T. or L. T. Required time Interval	8	23				0.5	Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval	3	55				0.8	Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval							Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval							Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval							Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval							Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval							Feature bares Stage of tide above MLW Feature above MLW	

Computed by R. Bennett Checked by P. A. Pence
 M-2617-12

Field Edit Report
Quad. T-9789

51. Methods. All roads were ridden out to check their classification and to visually check the planimetry and contours. The shoreline was inspected from a boat. The village of Rigolets was inspected by landing nearby in a boat and walking along the railroad.

Standard plane-table methods were used to test the accuracy of the contours.

Section line crossings along highway La. 2 were identified on the photographs by measurements along the road from identifiable topographic features.

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

Field edit information is to be found on the following: Two Field Edit Sheets; the discrepancy print, the section line discrepancy print and one ratio print each of photographs nos. 55W- 1589, 1590, 1591, 1592, 1598, 1599 and 1601.

Violet ink was used for all additions and corrections on the field edit sheets and the photographs. A legend appears on each 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. Contours appear only in a small portion of the sheet. Twelve points on the contours were tested and all points were found to be in error less than one half the contour interval.

54. Recommendations. None offered.

55. Examination of the Proof Copy. Mr. Homer Fritchie, a local surveyor for approximately 30 years has agreed to examine a proof copy of the map. Mr. Fritchie's address is Slidell, La.

No discrepancies in Geographic Names were noted.

Respectfully submitted.

31 Oct. 1956

George E. Varnadoe
George E. Varnadoe
Photo Engr

BRIDGE & CABLE DATA
 HORIZONTAL & VERTICAL CLEARANCES
 T-9789

RIGOLETS			HORIZONTAL		VERTICAL		
NAME	SHEET	TYPE	BRIDGE BOOK	FIELD	BRIDGE BOOK	FIELD	
L & N R.R.	T-9789	SW	153.75 Ft. Left	172 Ft. E.Draw	11.9 Ft.	12 Ft.	MHW
FORT PIKE BR.	"	SW	152 Ft. L & R	146 Ft.L. 150 Ft.R.	14.6 Ft.	15 Ft.	MHW
WEST PEARL RIVER							
U. S. 90	T-9789	Vert. Lift	-	94 Ft.	-	(12 Ft.) (40 Ft.(Open)	MHW
U. S. 90	"	Over Pwr Cable	-	-	-	96 Ft.	MHW
WEST MIDDLE RIVER							
U. S. 90	"	F	-	77 Ft.	-	9 Ft.	MHW
MIDDLE RIVER							
U. S. 90	T-9789	F	-	77 Ft.	-	9 Ft.	MHW
EAST MIDDLE RIVER							
U. S. 90	T-9789	F	-	77 Ft.	-	10 Ft.	MHW
LITTLE RIGOLETS							
L & N R.R.	T-9789	F	-	12 Ft.	-	6 Ft.	MHW

REVIEW REPORT T-9789
TOPOGRAPHIC
February 2, 1959

62. Comparison with Registered Topographic Surveys

<u>Map Number</u>	<u>Date</u>	<u>Scale</u>
774	1859	1:20,000
773	1858	1:20,000
5312	1934	1:20,000

All of the above surveys are superseded by T-9789.

63. Comparison with Maps of Other Agencies

Rigolets 1:31,680 Field Edited in 1935

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

Chart 878 Combined Edition October 1951, Revised June 1958.

The chart was revised using the advance manuscript T-9789 prior to field edit and final review.

Some small changes were made after the edit and the Chart Branch was informed at the time of review. Notations were made on the standard.

66. Adequacy of Results and Future Surveys

This manuscript complies with all instructions.

Land lines in the area south of Rigolets were taken directly from USGS Rigolets 1:31,680, 1935. No corners could be found in this area by the field editor. A notation to this effect has been made on the GS overlay.

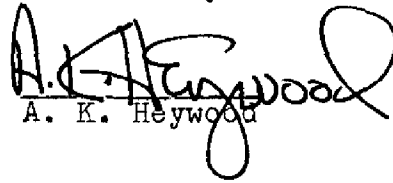
Elevations on all but a few triangulation stations established by the Louisiana Geodetic Survey were deleted from the manuscript. Elevations on all of these stations are listed in the USE Publication "Rigolets Quad. La.". Only a few listed the USC&GS as adjusting the elevation. These were shown on the manuscript. A check with the Geodesy Division revealed no knowledge of the accuracy of the remainder.

One vertical accuracy test was made by the field editor. All contours tested were within accuracy standards.

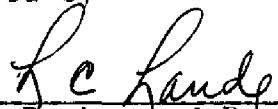
No horizontal accuracy check was made. The Photogrammetric Plot Reports states the radial plot was very good and control plentiful.

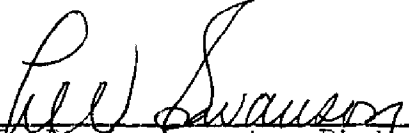
This manuscript complies with the National Standards of Map Accuracy.


Reviewed by

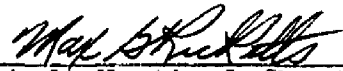

A. K. Heywood


Approved by


Chief, Review and Drafting Section
Photogrammetry Division


Chief, Photogrammetry Division

13 July 59 


Chief, Nautical Chart
Branch, Charts Division


Chief, Coastal Surveys
Division

