

8901

Diag. Cht. No. 1116-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey SHORELINE (PHOTOGRAMMETRIC)

Field No. PH-14 (46) Office No. T-8901

LOCALITY

State LOUISIANA

General locality INTRACOASTAL WATERWAY

Locality MORGAN CITY TO PLAQUEMINE, LA.,

LOWER GRAND RIVER AREA

194 7

CHIEF OF PARTY

R. A. Gilmore

LIBRARY & ARCHIVES

DATE

June 21, 1951

8-1870-1 (1)

10903

DATA RECORD

T- 8901

Quadrangle (II):

Project No. (II): Ph-14(46)

Field Office:

Chief of Party: Lt. Comdr. R.A. Gilmore

Compilation Office:
 Graphic Compilation Section
 Division of Photogrammetry, Wash. D. C.

Chief of Party: L. C. Lande

Instructions dated (II III):

Not dated.

Copy filed in *Division*
~~Descriptive~~
~~Report No. T- (VI)~~

Photogrammetry
Office Files

Completed survey received in office: July 1947

Reported to Nautical Chart Section: *July 1947*Reviewed: *March, 1949* Applied to chart No.

Date:

Redrafting Completed:

*June 30, 1950*Registered: *April 27, 1949*

Published: _____

Compilation Scale: 1:10,000

Published Scale: _____

Scale Factor (III): 1.00

Geographic Datum (III): NA 1927

Datum Plane (III): MHW

Reference Station (III): PBM 38 (USE), 1917

Lat.:

30° 11' 24.828"

Long.:

91° 18' 35.216"

Adjusted

~~Unadjusted~~

State Plane Coordinates (VI):

Lambert Zone S

X = 2,007,440.61 ft.

Y = 554,037.34 ft.

Military Grid Zone (VI)

Zone C

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
18507	11/23/46	11:53	1:10,000	Near HW
18508	"	11:54	"	"
18509	"	11:55	"	"
18510	"	11:56	"	"
18511	"	11:57	"	"

Tide from (III):

Mean Range: _____

Spring Range: _____

Camera: (Kind or source) USC & GS

Field Inspection by: Lt. Comdr. R.A. Gilmore

27 May to
date: 3 July 1947

Field Edit by: *None*

date: _____

Date of Mean High-Water Line Location (III): 27 May to 3 July 1947

Projection and Grids ruled by (III) T.L. Janson

date: Sept. 26, 1947

" " " checked by: T.L. Janson

date: Sept. 26, 1947

Control plotted by: George Smith

date: Oct. 5, 1947

Control checked by: N. A. Cluff

date: Oct. 10, 1947

Radial Plot by: S. Blankenbaker, L. M. Gazik

date: Dec. 12, 1947

Detailed by: Roscoe J. French

date: April 19, 1948

Reviewed in compilation office by: *L.C. Lande*

date: *April, 1948*

~~Elevations on Field Edit Sheet
checked by:~~

~~date:~~

STATISTICS (III)

Land Area (Sq. Statute Miles):

Shoreline (More than 200 meters to opposite shore):

Shoreline (Less than 200 meters to opposite shore):

Number of Recoverable Topographic Stations established:

Number of Temporary Hydrographic Stations located by radial plot:

Leveling (to control contours) - miles:

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

Descriptive Report: T-8901

Project: Ph-14(46) Intracoastal Waterway, Louisiana

Location: Morgan City to Plaquemine, La.; the Lower Grand River area.

Scale: 1:10,000

This report is concerned with the thirteenth of a series of shoreline sheets which extend along the Intracoastal Waterway from Houma, Louisiana longitude $90^{\circ}44'$ W. to Corpus Christi, Texas, longitude $97^{\circ}15'$ W. This sheet is the fifth of a series of six shoreline sheets which extend along both the main and alternate routes of the waterway from Morgan City to Plaquemine, Louisiana, where the waterway goes into the Plaquemine lock and the Mississippi River.

The Project Ph-14(46) was undertaken to furnish the necessary data to prepare a new series of inland waterway charts at 1:40,000 scale. The chart covering this part of the waterway will be at 1:50,000 scale.

The field party recovered the control and indicated other pertinent field inspection data by photogrammetric methods by identifying it on the photographs for compilation in this office. The field work was accomplished by Lt. Comdr. R. A. Gilmore, Chief of Party.

Compilation notes were made from field records and photographs and instructions from Special Report L.533(1947) Houma, La. to Vermilion Bay, La.

This shoreline sheet is filed in the Division of Photogrammetry and L.533 (1947) is filed in the Nautical Chart Branch.

No planetable work has been done in this area by the Bureau.

COMPILATION NOTES

26.; 27. The control and radial plot report for this sheet is discussed in the radial plot report for T-8897 which is filed in the Division of Photogrammetry.

28. The instructions for Ph-14(46) requested the field party to limit the field inspection work to a minimum of shoreline inspection, and to stick close to the main channel during the work. Detailing has gone beyond these limits in order to furnish the base source for a 1:50,000 scale chart. Since there is but one flight of nine-lens pictures following the main waterway to Plaquemine, the shoreline is somewhat obscure in the outlying areas on the photographs, due to the overhang of high trees which is characteristic of this area. The detail of a small barrow pit ditch, which appears to carry water, is complete as far as can be determined by stereoscopic examination. It follows the Lower Grand River north from its junction with Mound Ditch at the village of Bayou Sorrel, and falls between the road and the shoreline at intermittent locations.

Bayou Sorrel Lock was under construction at the date of the photography and the detail has been shown with red acetate ink as shown on Ep. 42407 which is filed in the map hall in the Nautical Chart Branch. No difficulty was experienced in tying the detail in with the manuscript information.

The notation "heavily wooded swamp" has been used to indicate the large wooded areas which are composed of bottomland hardwoods and a large percentage of cypress which is characteristic of this low, swampy country. No field inspection was given to indicate that this feature is actually "cypress swamp," but from other notes of similar wooded areas on these sites it follows that the area is mostly swampy. Only the two features, swamp and scattered trees or brush, have been symbolized as far as cover is concerned.

29. No graphic control exists for this area. The USED Quad. Chicot Lake, La. edition of 1935, scale 1:62,500, was used as an aid in interpretation. No definite swamp limits could be determined and the woods limits have been used and ^{the} symbolized accordingly. The Bayou Sorrel Lock is a new addition. Greens Slough and Grass Lake appear to be joined together on the photographs.

30. A stage of high water is not evident from stereoscopic examination and it is thought to be at a nearly normal height for showing the MHWL.

34. There are no landmarks or aids to navigation on this sheet.

44. A comparison with the Chicot Lake Quadrangle is mentioned in Paragraph 29 above.

45. Comparison with Nautical Chart No. 1050, 11-3-47, shows the limits of the swamp as compiled from the USE quadrangle to be confined to the lower ground. The appearance of the woods and swamp areas look the same on the photographs, and the manuscript is lacking in that no limits could possibly be given without further field inspection. It is the writers opinion that no distinction need be given between these two features as far as charting is concerned, inasmuch as it appears to be largely a matter of elevation whether the feature is charted as swamp or woods.

This manuscript is complete in all details except as mentioned above and should supersede the charted information.

Submitted and checked by *Roscoe J. French*
R. J. French

APPROVED by:

L. C. Lande
L. C. Lande

Date: April 21, 1948

✓ B. J. French 4/48

GEOGRAPHIC NAMES

Survey No.
T-8901

Name on Survey	Source										
	A	B	C	D	E	F	G	H	K		
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List			
Intracoastal Waterway	/								USGB		1
Bayou Sorrel (Village)	/										2
Bayou Sorrel	/										3
Lower Grand River	/										4
Bayou Sorrel Lock	/										5
Upper Grand River	/										6
Sullivans Lake	/										7
Greens Slough	/										8
Grass Lake	/										9
Gibbs Slough	/										10
Mound Ditch	/										11
La. State Highway 254	/										12
La. State Highway 1003	/										13
East Atchafalaya Basin Protection Levee	/									Atchafalaya	14
Jack Miller's Store	/										15
Bayou Goula	/										16
Bayou Plaquemine	/										17
Bayou Richard	/										18
Bayou Farmer	/										19
Bayou Choudiquie	/										20
Intracoastal Waterway (Alternate Route)	/										21
Baptist Hospital	/										22
Lake Long	/										23
Mound Bayou	/										24
Bulltail Bayou	/										25
											26
											27

Names underlined in red are approved
3/10/49 L.H.

Division of Photogrammetry
Review Report of
Shoreline Map Manuscript T-8901

Subject numbers not used in this review report have been adequately covered in other parts of the Descriptive Report.

28. Detailing

The original compilation was adequate except for minor changes made by the reviewer. All additions and corrections have been shown with blue ink on the map manuscript.

29. Supplemental Data

The U.S.E. plan for the Bayou Sorrel Lock bears the following file numbers: H-4-135881A-6X. This plan is filed in the Division of Charts as B042407.

32. Details Offshore from the High-Water Line

Several offshore features have been added to the map manuscript which include two marine railways and three submerged wrecks.

44. Comparison with Existing Topographic Quadrangles

U.S.E. Chicot Lake, La. 1:62,500 1935

There are no contemporary hydrographic surveys in the area covered by the map manuscript.

45. Comparison with Nautical Charts

1050 1:175,000 1939-1948

This map manuscript has been partially applied, prior to review, to chart 881, one of a new series.

Reviewed by:

B. Thomas Hynson
B. Thomas Hynson
Cartographer (Photo) 3/11/49

Approved by:

A. V. Griffith
Chief, Review Section

M. Edmonston
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Division of Photogrammetry

W. M. Seafie
Chief, Div. of Coastal Surveys