8901

Diag. Cht. No. 1116-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of SurveySHORELINE (PHOTOGRAMMETRIC)

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

LOCALITY

LOUISIANA

General locality INTRACOASTAL WATFRIAY

Locality MORGAN CITY TO PLAQUEMINE, LA.,

LOWER GRAND RIVER AREA

194 7

CHIEF OF PARTY

R. A. Gilmore

LIBRARY & ARCHIVES

June 21, 1951

8-1870-1 (1)



DATA RECORD

T- 8901

Quadrangle (II):

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

Field Office:

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

Compilation Office:

Chief of Party: L. C. Lamie

Graphic Compilation Section

Division of Photogrammetry, Wash. D. C.

Instructions dated (II III):

ructions dated (II III):

Copy filed in Descriptive

Photogrammetry
Office Files

Completed survey received in office: July 1947

Reported to Nautical Chart Section: Tuly 1947

Reviewed: Marill, 1949 Applied to chart No.

Date:

Redrafting Completed:

June 30, 1950

Registered: April 37, 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.:

Tong •

Adjusted

30° 11' 24.828"

910 181 35.216"

Unad justed

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)

Number	Date	Time	Scale	Stage of Tide			
1850 7	11/23/46	11:53	1:10,000	Near HW			
18508	n	11:5h	ta É	ti			
18509	Ħ	11:55	n	tt			
18510	tt	11:56	n	Ħ			
18511	11	11:57	n	п			

Tide from (III):

Mean Range:

Spring Range:

T.L. Janson

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:

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:

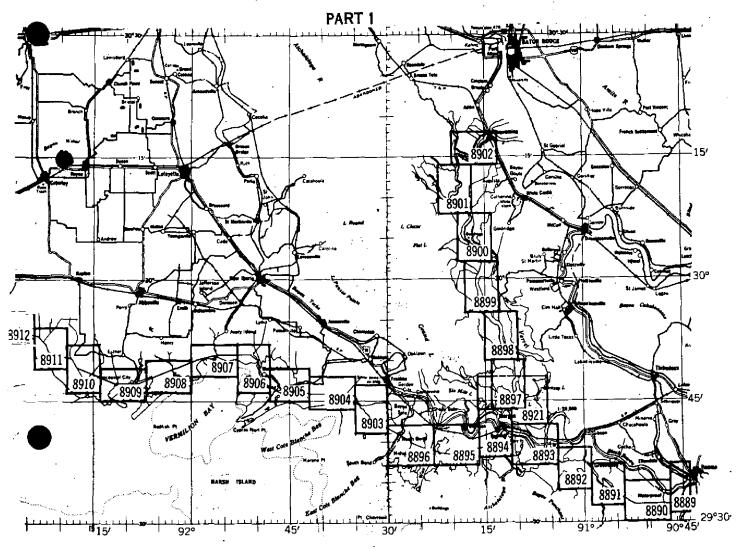
Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

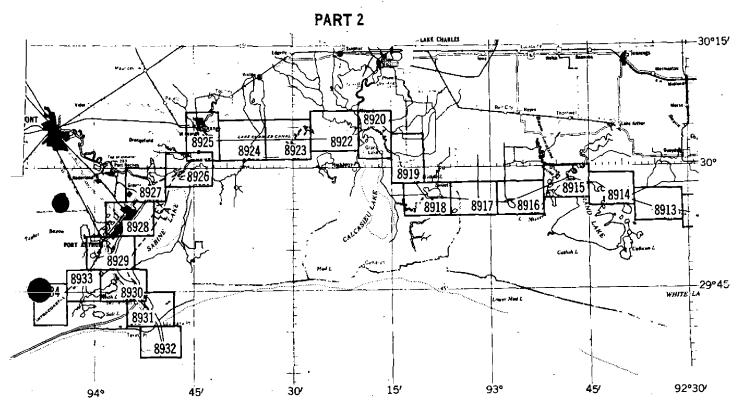
When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

SHORELINE MAPPING PROJECT PH-14(46)

LOUISIANA - TEXAS, Intracoastal Waterway Houma - Port Arthur





Descriptive Report: T-8901

Project: Ph-lh(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°44. W. to Corpus Christi, Texas, longitude 97°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 Bireau.

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-lk(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 steroscopic 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 Bp. 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 looks 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 Poscoe J. French
R. J. French

Charle Date: April 21, 1948

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Lower Grand River		-								4
Bayou Sorrel Lock										5
Upper Grand River					<u> </u>			<u> </u>		6
Sullivans Lake			ļ	ļ					_	7
Greens Slough										8
Grass Lake				-						9
Gibbs Slough			ļ					<u>.</u>		10
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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 Bb42407.

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.

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

Reviewed by:

B. Thomas Hynson

Cartographer (Photo) 3/11/49

Approved by:

Chief Region Costion F. M. M.

Chief, Review Cection

Chief, Nautical Chart Branch

Division of Charts

Chief, Division of Photogrammetry

Chief, Div. of Coastal Surveys

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