

# 10525

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Form 504

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT

Type of Survey Planimetric (Photogrammetric)

Field No. Ph-170 Office No. T-10525

### LOCALITY

State Louisiana

General locality Atchafalaya Basin Floodway

Locality Bayou Long & Old River

1956-1957

### CHIEF OF PARTY

I. R. Rubottom Chief of Party  
Fred Natella, Portland Photogrammetric Unit

### LIBRARY & ARCHIVES

DATE May 1963

COMM-DC 61300

# 10525

DESCRIPTIVE REPORT - DATA RECORD

T-10525

Project No. (II): Ph-170

Quadrangle Name (IV):

Field Office (II): Morgan City, Louisiana

Chief of Party: Ira R. Rubottom

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Fred Natella

Instructions dated (II) (III): (II) 4 December 1956

Copy filed in Division of  
Photogrammetry (IV)

Supplement II, 14 March 1957

Supplement 1 dated 15 Jan. 1957

(III) 21 June 1957

Amendment dated 2 April 1959

Letter 73/rrj dated 8 January 1959

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):

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):

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 (S) refer to sounding datum  
i.e., mean low water or mean lower low water

Reference Station (III): GODDEL, 1935

Lat.: 29° 58' 06.004"

Long.: 91° 15' 17.739"

Adjusted X  
Unadjusted

Plane Coordinates (IV):

State:

Zone:

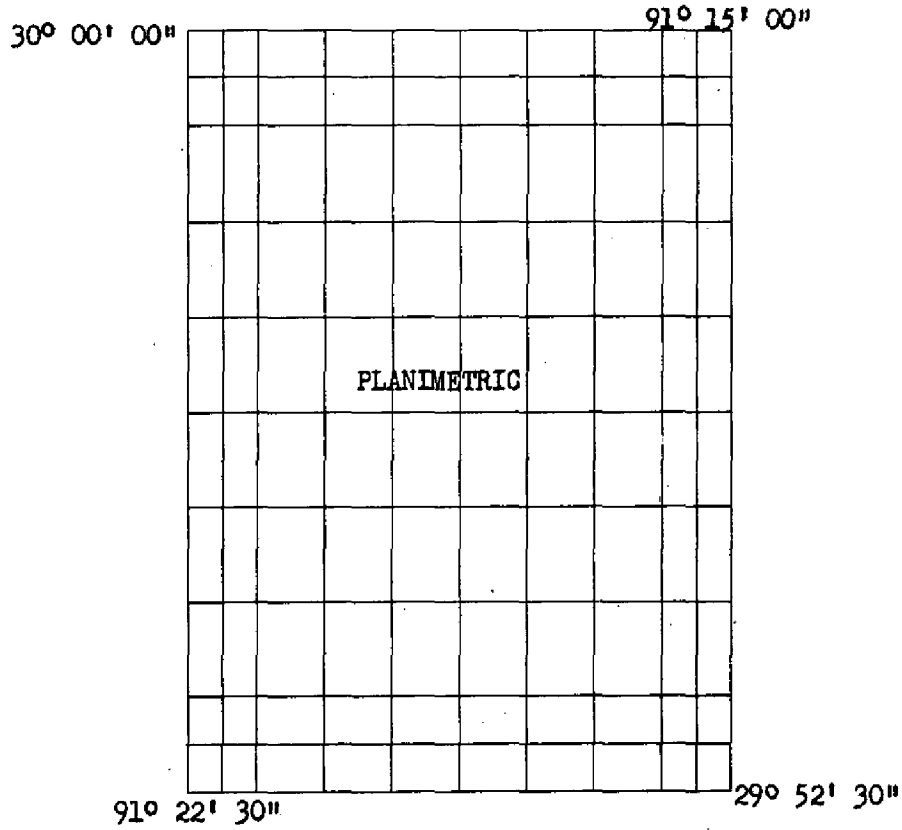
Y=

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.

DESCRIPTIVE REPORT - DATA RECORD



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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **J. E. Johnson**

Date: **January-February  
1957**

Planetable contouring by (II): ---

Date:

Completion Surveys by (II): ---

Date:

Mean High Water Location (III) (State date and method of location): **1-14-57 thru 2-18-57. Indicated by field inspection on field photographs. Refined and transferred to office photographs by stereoscopic inspection and graphically detailed on the manuscript.**

Projection and Grids ruled by (IV):

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III): **J. L. Harris**

Date: **Oct. 1957**

Control checked by (III): **D. N. Williams**

Date: **Nov. 1957**

Radial Plot or Stereoscopic  
Control extension by (III): **J. L. Harris**

Date: **Jan. 1958**

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): **R. E. Boyd, Compilation  
J. L. Harris, Scribing  
C. C. Harris, Stick-up**

Date: **3-20-58  
7-13-60  
8-5-60**

Photogrammetric Office Review by (III): **J. L. Harris, Rough Draft  
Advance**

Date: **3-27-60  
Sept. 1960**

Elevations on Manuscript  
checked by (II) (III):

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (Kind or source) (III): USC&GS 9 lens, focal length 8.25 inches

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
54762 thru 54764	10-15-56	10:20		1:20,000	Tide is mainly diurnal. Probably about 0.5 ft. above M.L.W. on this day.
54784 thru 54786	"	10:45		"	

Tide (III)

Reference Station: Galveston, Texas  
Subordinate Station: Eugene Island, Atchafalaya Bay, La.  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	1.1	1.9

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):


Date:

Land Area (Sq. Statute Miles) (III): 63  
Shoreline (More than 200 meters to opposite shore) (III): 3.0  
Shoreline (Less than 200 meters to opposite shore) (III): 30.0  
Control Leveling - Miles (II): ---  
Number of Triangulation Stations searched for (II): 5 Recovered: 3 Identified: 2  
Number of BMs searched for (II): --- Recovered: --- Identified: ---  
Number of Recoverable Photo Stations established (III): 1  
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

FIELD INSPECTION REPORT  
MAP T-10525

2. AREAL FIELD INSPECTION

This area, except for the extreme northeast corner, is a part of the Atchafalaya Basin Floodway. Conditions within the floodway are generally as described in Field Inspection Report for Map T-10522 () , particularly along the western limits of the map. The remainder is not affected as extensively and rapidly by silting because the larger portion of the water covers the area by seepage and sluggish flow from upstream and has already deposited most of the load of silt. Consequently, swamp limits were not too difficult to delineate as they follow, in general, the inshore edge of the natural levee along the streams.

The main waterways are the Morgan City-Plaquemine Intracoastal Waterway, Old River and Little Bayou Long.

The only road in the quadrangle is along the top of the levee, on which travel is possible from Belle River to U. S. Highway 90 in good weather.

The small population is along the levee and banks of Big Goddel Bayou, and a few fishermen and seasonal trappers living in houseboats and cabins in the swamps and along the bayous.

The economy of the area is based on fishing, trapping and petroleum, ranking in importance in the order named. The fishing industry becomes increasingly important as the distance from the developed areas to the south increases. Fishing and seasonal trapping constitute the main economy of the area employing the greater percentage of the populace.

While large stands of cypress and gum exist, there are no active lumber operations at present. A complex system of canals was built years ago to log the virgin timber, and results of "high-line" logging operations are evident on the photographs by the fan shaped patterns at the various loading points along the canals. With only a few exceptions, these abandoned canals are still navigable in pirogues and skiffs and are used by the native fishermen and trappers.

The Morgan City-Plaquemine Intracoastal Waterway, which crosses the northeast corner of the quadrangle, handles considerable tonnage annually.

Nine-lens, 1:20,000 scale photographs were of sufficient quality for field inspection and no special difficulties in interpretation due to quality were encountered. Field inspection has been annotated on the following nine-lens photographs: 54762 thru 54764 and 54784 thru 54786.

Since photography was of recent date, only one new feature was encountered: A canal to a new drilling site which was added by plane-table methods.

3. HORIZONTAL CONTROL

The only Coast and Geodetic Survey triangulation in the quadrangle, GODDEL 1935, was recovered and identified.

P. B. M. 46 USE 1917 was recovered during the course of the above recovery. P. B. M. 43 USE 1917 and P. B. M. 45 USE 1917 were destroyed during construction of the protection levee. No other control of another agency was searched for.

No supplemental control was established.

4. VERTICAL CONTROL

There are no tidal bench marks in the quadrangle.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

See the Field Inspection Report for T-10515.

6. WOODLAND COVER

See the Field Inspection Report for T-10515.

7. SHORELINE AND ALONGSHORE FEATURES

See the Field Inspection Report for T-10515.

8. OFFSHORE FEATURES

There are none.

9. LANDMARKS AND AIDS

There are none.

10. BOUNDARIES, MONUMENTS AND LINES

See "Special Report, Boundaries, Project <sup>PH</sup> 5170."

11. OTHER CONTROL

One recoverable topographic station, EASY, was established.

12. OTHER INTERIOR FEATURES

Roads were classified in accordance with reference 5441, Topographic Manual, Part II, and the Project Instructions.

Buildings were classified in accordance with reference 5446, Topographic Manual, Part II, and the Project Instructions.

There are no overhead cables or bridges in the quadrangle.

The oil field outlined on photograph 54763 is under development and is subject to constant change as new canals are dug, additional wells are drilled and facilities added.

All wells are oil and gas.

All tanks are oil tanks unless otherwise indicated.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project <sup>PH</sup>~~54~~170."

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

"Special Report, Geographic Names, Project <sup>PH</sup>~~54~~170" to be forwarded at a later date.

"Special Report, Boundaries, Project <sup>PH</sup>~~54~~170" to be forwarded at a later date.

Submitted:

*James E. Johnson*  
James E. Johnson by *Jeff*  
Cartographic Survey Aid

Approved:

*Ira R. Rubottom*

Ira R. Rubottom  
Chief of Party



PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10525

Project Ph-170

Refer to combined radial plot report for T-10515 and T-10523 thru T-10527 and attached correspondence which is included in the Descriptive Report for T-10527 (1957).

MAP T-10525

PROJECT NO. Ph-170

SCALE OF MAP 1:20,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $\chi$ -COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
			FORWARD	(BACK)	FORWARD	(BACK)		FORWARD	(BACK)		
MABLE, 1935	G-3218 P-30	N.A. 1927	30 00	04.298				132.3	(1715.2)		
			91 11	34.496				924.6	(683.5)		
DO Sub Station	Office Comp.	"	30 00					135.7	(1711.8)		
			91 11					909.7	(698.4)		
CODDIE, 1935	G-3218 P-30	"	29 58	06.004				184.9	(1662.6)		
			91 15	17.739				475.6	(1133.1)		
DO Sub Station	Office Comp.	"	29 58					188.3	(1659.2)		
			91 15					533.0	(1075.7)		
PBM 46, 1917 (USE)	FOSTER QUAD#55	"	29 57	54.147				1667.2	(180.2)		
			91 15	10.602				284.3	(1324.4)		

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## COMPILATION REPORT

Map Manuscript T-10525

Project Ph-170

Items 31 thru 35:

Refer to the Descriptive Report for T-10527 (1957).

36. Offshore Details:

None.

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

Form 524 is submitted for one recoverable topographic station located by the radial plot method. It is listed under Item 49, Notes to the Hydrographer.

39. Junctions:

Satisfactory junctions were made with T-10524 on the west and T-10527 on the south. There are no contemporary surveys to the north and east.

Items 40, 46 and 47:

Refer to the Descriptive Report for T-10527 (1957).

Approved:

*Fred Natella*  
*by JED.*

Fred Natella  
CAPT, C&GS  
Portland District Officer

Respectfully submitted:

*J. Edward Deal*

J. Edward Deal  
Cartographer  
C&GS

49. Notes to the Hydrographer:

Form 524 is submitted for station EASY, 1957.

### PHOTOGRAMMETRIC OFFICE REVIEW

T-10525

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

#### CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy X 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) X 7. Photo hydro stations None 8. Bench marks None 9. Plotting of sextant fixes None 10. Photogrammetric plot report No 11. Detail points X

#### ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline X 13. Low-water line None 14. Rocks, shoals, etc. X 15. Bridges None 16. Aids to navigation None 17. Landmarks None 18. Other alongshore physical features X 19. Other along-shore cultural features X

#### PHYSICAL FEATURES

20. Water features X 21. Natural ground cover X 22. Planetable contours None 23. Stereoscopic instrument contours None 24. Contours in general None 25. Spot elevations None 26. Other physical features X

#### CULTURAL FEATURES

27. Roads X 28. Buildings X 29. Railroads None 30. Other cultural features X

#### BOUNDARIES

31. Boundary lines X 32. Public land lines None

#### MISCELLANEOUS

33. Geographic names X 34. Junctions X 35. Legibility of the manuscript X 36. Discrepancy overlay None 37. Descriptive Report X 38. Field inspection photographs X 39. Forms X

40. J. L. Harris J. Edward Deal  
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.

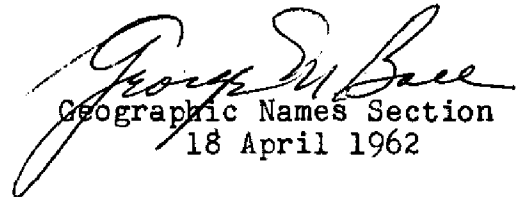
\_\_\_\_\_  
Compiler

\_\_\_\_\_  
Supervisor

43. Remarks:

48. Geographic Names:

Atchafalaya Basin Floodway  
Bayou Fourche  
Bayou Jack  
Bayou Latania  
Bayou Long  
Bayou Mallet  
Bayou Postilion  
Big Fork Bayou  
Boudreaux Canal  
Grand Lake  
Little Bayou Long  
Little Bayou Mallet  
Little Goddel Bayou  
Middle Fork Bayou Long  
Old River  
West Fork Bayou Long  
Wildcat Bayou

  
Geographic Names Section  
18 April 1962

REVIEW REPORT  
OF PLANIMETRIC MANUSCRIPTS  
T-10515 and T-10523 thru T-10527  
November 1962

61. General Statement

These are Six (6) of 31 planimetric maps of project PH-170, Atchafalaya River La. These maps were prepared as bases for Nautical Charts and future Hydrographic Surveys.

62. Comparison with Registered Topographic Surveys

T-8897	1:10000	1946	Shoreline Surveys
T-8898	1:10000	1946	"
T-8899	1:10000	1946	"

These planimetric surveys supersede the above listed shoreline surveys of common area for nautical charting purposes.

63. Comparison with Maps of Other Agencies

Centerville, La.	1:62,500	C. of E.	1959
Jeanerette, La.	1:62,500	C. of E.	1954
Napoleonville, La.	1:62,500	C. of E.	1953

A comparison shows that the above maps are in good agreement except for minor shoreline and cultural details.

64. Comparison with Contemporary Hydrographic Surveys

There are no contemporary hydrographic surveys within the area of these manuscripts.

65. Comparison with Nautical Charts

881      1:50,000      September 1962

There are no differences of importance except <sup>29°</sup> for a dredged channel that is shown on the chart, at Lat. ~~30°~~ 57.0' Long. 91° 15.8', that is subsequent to the date of the manuscript.

66. Adequacy of Results and Future Surveys

These maps were prepared for bases for Nautical Charts and future Hydrographic Surveys and are within the required Accuracy.

Submitted by:

  
\_\_\_\_\_  
L. C. Lande

Approved by:

Charles L. Lamm  
Chief, Cartographic Branch

Louis G. Taylor  
Chief, Nautical Chart Division

J. E. Waugh 3/18/63  
Chief, Photogrammetry Division

Woodward B. Conely  
Chief, Operations Division



