

# 10518

Diag. Cht. No. 1116-2.

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-10518

### LOCALITY

State Louisiana

General locality Atchafalaya River Floodway

Locality Catahoula

1956-57

### CHIEF OF PARTY

I.R. Rubottom, Chief of Field Party  
F. Natella, Portland Photo. Office

### LIBRARY & ARCHIVES

DATE May 1963

USCOMM-DC 5087

# 10518

DESCRIPTIVE REPORT - DATA RECORD

T-10518

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

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: X  
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): CATAHOULA (USED) 1935

Lat.: 30° 12' 37.66"

Long.: 91° 42' 08.83"

Adjusted  
Unadjusted

Plane Coordinates (IV):

State:

Zone:

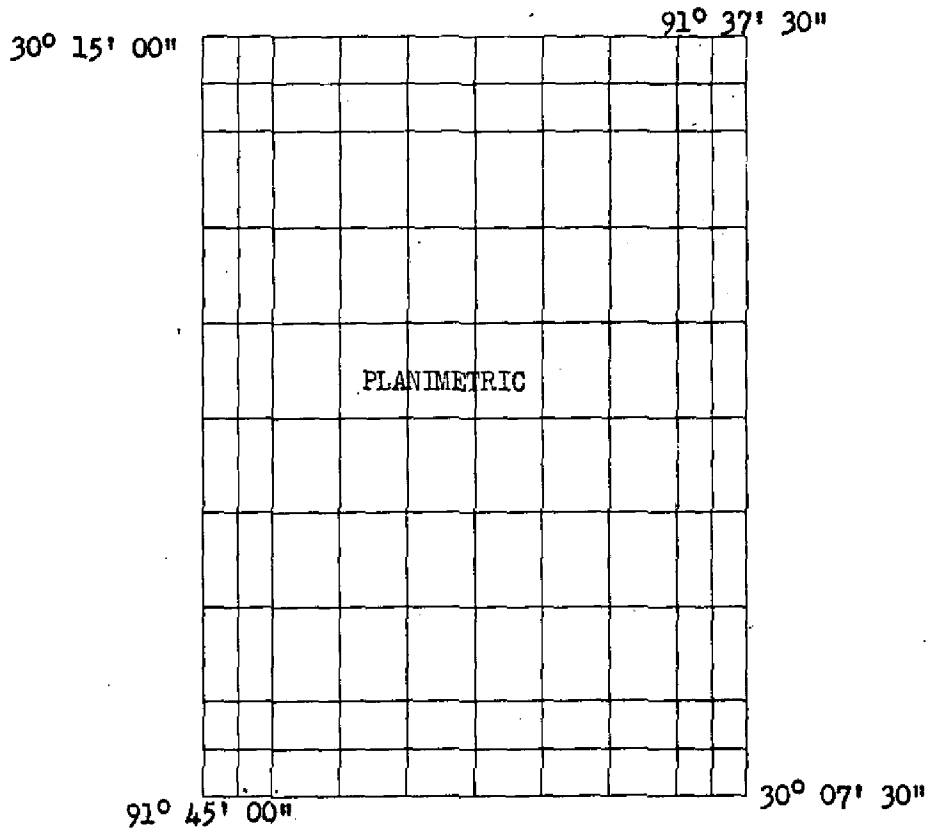
Y=

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.

DESCRIPTIVE REPORT - DATA RECORD



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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): Martin C. Moody

Date: April - May 1957

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): April and May 1957 by field inspection. 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):

C. C. Harris

Date: 3-19-58

Control checked by (III):

C. H. Bishop

Date: 3-20-58

Radial Plot or Stereoscopic  
Control extension by (III):

J. L. Harris

Date: 8-1-58

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III):

K. W. Jeffers & J. L. Harris  
(rough draft)

Date:

4-27-60

J. L. Harris (Scribing)

7-13-60

L. L. Graves (Stick-up)

8-22-60

Photogrammetric Office Review by (III):

J. L. Harris (rough draft)  
J. L. Harris (advance)

Date:

4-27-60

Sept. 1960

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

None

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): USC&GSS 9 lens - focal length 8/25 inches

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Date	Time		
54887 & 54888	10-15-56		12:42	1:20,000	Tide is mainly diurnal. Probably about 0.5 ft. above M.L.W. on this day.
54940 thru 54942	"		13:48	"	
54945 " 54947	"		13:54	"	

Note: There was no data furnished to compilation office from tide gage shown on manuscript in Catahoula Lake.

Tide (III)

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

Ratio of Ranges	Mean Range	Diurnal 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): 58  
Shoreline (More than 200 meters to opposite shore) (III): 1.5  
Shoreline (Less than 200 meters to opposite shore) (III): 33.5  
Control Leveling - Miles (II):  
Number of Triangulation Stations searched for (II): 13 Recovered: 8 Identified: 6  
Number of BMs searched for (II): --- Recovered: --- Identified: ---  
Number of Recoverable Photo Stations established (III): None  
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

FIELD INSPECTION REPORT  
MAP T-10518

2. AREAL FIELD INSPECTION

This area is located in St. Martin Parish on the west side of the Atchafalaya Basin Floodway. The west protection levee of the floodway, running in a northwest-southeast direction divides the map into two sections. See Field Inspection Report for Map T-10522 (1957) for description of the area within the floodway.

The villages of Catahoula and Coteau Holmes along with the protection levee provide the salient features within the area.

Farming, which is the chief industry in the area, is concentrated along the higher natural terrain. Sugar cane is the principal crop, however a few rice fields will also be found in the area.

Photograph quality was excellent; no interpretation difficulties were encountered with the exception of the swamp limits which are described in detail in Field Inspection Report for Map T-10522. Field inspection is believed to be complete and adequate. Field inspection notes appear on the following nine lens, 1:20,000 scale field photographs: 54887, 54888, 54940, 54941 and 54942.

3. HORIZONTAL CONTROL

Due to the scarcity of recoverable horizontal control stations, a search was made for all stations plotted on the project diagram.

No stations of the Coast and Geodetic Survey were reported as lost.

No supplemental control was established.

The identification of one of the following stations, as required by the project diagram, was not accomplished.

BM AR-11-W, USE  
BM BR-11-W, USE  
FBM TARTER, USE

None of these stations could be recovered and have been reported as lost on Form 526.

All control searched for, recovered and identified was established by this bureau or by the Corps of Engineers.

One Traverse station, namely, 175, USE, established by the Corps of Engineers subsequent to 1949, was recovered and identified for use in the control of the radial plot.

4. VERTICAL CONTROL

Not applicable.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

Drainage is by perennial streams, bayous and ditches. All of these are self evident on the photographs.

6. WOODLAND COVER

Woodland cover was classified in accordance with Reference 5433, Topographic Manual, Part II, and Project Instructions.

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline is predominately fast along the shores of the larger bayous.

Periodic tide in the area apparently is negligible; water level fluctuations result only from flooding. Consequently, there is no true foreshore.

Several mud bars and flats appear during the season of low water in Lake Rond which is located in the southeast corner of the map.

There are no bluffs or cliffs.

Alongshore features are adequately covered by field inspection notes on the photographs.

8. OFFSHORE FEATURES

There are none.

9. LANDMARKS AND AIDS

There are none.

10. BOUNDARIES, MONUMENTS AND LINES

See "Special Report, Boundaries, Project 170, Part 1 of 3."

11. OTHER CONTROL

There was none established.

12. OTHER INTERIOR FEATURES

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

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

There are no overhead cables or bridges over navigable waters in the quadrangle.

The wells located near the western limits of the map are all oil wells.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project 25170, Part 1 of 3."

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Special Report, Boundaries, Project 25170, Part 1 of 3, forwarded to Washington 8 May 1957 in Package No. 57-052.

Special Report, Geographic Names, Project 25170, Part 1 of 3, forwarded to Washington 8 May 1957 in Package No. 57-052.

Data, Map T-10522, to be forwarded at a later date.

Submitted:

*Martin C. Moody*  
Martin C. Moody  
Cartographic Survey Aid

Approved:

*Ira R. Rubottom*

Ira R. Rubottom  
Chief of Party



PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10518

Project Ph-170

Refer to Photogrammetric Plot Report for T-10522 (1957).

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
DESCRIPTIVE REPORT  
CONTROL RECORD

MAP T. 10518 PROJECT NO. Ph-170 SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-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)	
Traverse Station 175 (U.S.E.)	WABPL Sht#12	N.A. 1927	30 08 41.871 91 40 47.432				1289.3 1269.4	( 558.2) ( 326.4)	
DO	Office	"	30 08 44.888				1382.2	( 465.3)	
Sub Station	Comp.	"	91 40 45.510				1218.0	( 387.8)	
Traverse Station	WABPL	"	30 08 39.319				1210.7	( 636.8)	
176 (U.S.E.)	Sht#12	"	91 40 48.092				1287.1	( 318.7)	
PBM MUTT (U.S.E.)	Loreau-ville quad, La.	"	30 13 32.983				1015.6	( 831.9)	
DO	(USE) PA36	"	91 41 43.263				1156.9	( 447.6)	
Sub Station		"	30 13 38.627				1189.4	( 658.1)	
B-3876, 1937 (La. Geod. Survey)	St. Martins-ville quad, La. (USE) A-15	"	91 41 38.865				1039.3	( 565.2)	
DO		"	30 12 13.955				429.7	( 1417.8)	
Sub Station		"	91 49 39.091				1045.5	( 559.4)	
		"	30 12 15.088				464.6	( 1382.9)	
CATAHOULA (U.S.E.D.) 1935	P-34	"	91 49 40.915				1094.3	( 510.6)	
B-3847 1938 (La. Geod. Survey)	G.3218 P-34	"	30 12 37.66				1159.6	( 687.9)	
DO	Loreau-ville Quad, La. A-58	"	91 42 08.83				236.2	( 1368.5)	
Sub Station	Office	"	30 08 31.873				981.4	( 866.1)	
DO	Comp.	"	91 44 53.271				1425.7	( 180.1)	
		"	30 08 33.155				1020.9	( 826.6)	
		"	91 44 56.501				1512.2	( 92.6)	

## COMPILATION REPORT

Map Manuscript T-10518

Project Ph-170

Items 31 thru 33:

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

34. Contours and Drainage:

Contours are not applicable. Drainage was delineated from field inspection, office examination of the photographs and by comparison with the Corps of Engineers, 15 minute, Loreauville, La. quadrangle, edition of 1954, Scale 1:62,500.

35. Shoreline and Alongshore Details:

Refer to Descriptive Report for T-10527 (1957). There were no low-water or shoal lines field inspected and none were delineated during compilation.

36. Offshore Details:

None.

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

None

39. Junctions:

Satisfactory junctions were made with T-10516 on the north and T-10519 on the east. There are no contemporary surveys to the west and south. T-10516 was compiled in Tampa, Fla. office and data relative to the junction with T-10518 are contained in correspondence between Officer-in-Charge, Portland Office and Officer-in-Charge, Tampa, Fla. office dated 19 November 1959, 27 November 1959, 13 September 1960 and 20 September 1960.

40. Horizontal and Vertical Accuracy:

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

41. Bridge Clearances:

Listed are bridge clearances which are not included in the field inspection report.

30° 14' 30"	Fixed wood bridge
91° 44' 30"	Skiff clearance only
30° 13' 05"	Fixed wood bridge
91° 41' 50"	Skiff clearance only
30° 12' 40"	Fixed bridge (wood)
91° 42' 10"	Hor. Cl. 40'
	Vert. Cl. 9.7'
30° 08' 45"	Fixed bridge (wood)
91° 40' 45"	Skiff clearance only

Note: Field report says "Periodic tide is negligible."

46. Comparison with Existing Maps:

Comparison was made with Corps of Engineers, 15 minute Loreauville, La. quadrangle, Edition of 1954, Scale 1:62,500.

47. Comparison with Nautical Charts:

Comparison was made with nautical chart No. 1051 (New Orleans to Calcasieu River, West Section,) Scale 1:175,000 at Lat. 30° 00' Edition 1941, Revised 6-25-56.

Items to be Applied to Nautical Charts Immediately.

None.

Items to be Carried Forward.

None.

Approved:

*Fred Natella*  
*by JED*

Fred Natella  
CAPT, C&GS  
Portland District Officer

Respectfully submitted:

*Edward Deal*

E. Edward Deal  
Cartographer  
C&GS

49. Notes to the Hydrographer:

None.

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## PHOTOGRAMMETRIC OFFICE REVIEW

T-10518

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) None 7. Photo hydro stations None 8. Bench marks None  
9. Plotting of sextant fixes None 10. Photogrammetric plot report X 11. Detail points X

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline X 13. Low-water line None 14. Rocks, shoals, etc. None 15. Bridges X 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 X 30. Other cultural features X

## BOUNDARIES

31. Boundary lines None 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 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.

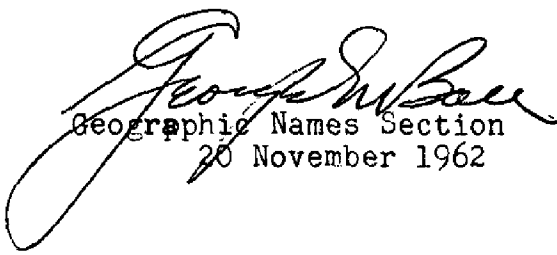
\_\_\_\_\_  
Compiler

\_\_\_\_\_  
Supervisor

43. Remarks:

48. Geographic Name:

Atchafalaya Basin Floodway  
Bayou Barron  
Bayou Barnard Drainage Canal  
Bayou Garotier  
Bayou La Rose  
Bayou Mersier  
Bayou Veillon  
Catahoula  
Catahoula Coulee  
Catahoula Lake  
Coulee Coteau Holmes  
Coteau Holmes  
Crocodile Bayou  
Ha Ha Bay  
Lake La Rose  
Lake Rond  
Willow Lake

  
Geographic Names Section  
20 November 1962

REVIEW REPORT  
OF PLANIMETRIC MANUSCRIPTS  
T-10518 thru T-10522

December 1962

61. General Statement

These are five (5) 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

None

63. Comparison with Maps of Other Agencies

Loreauville, La.	1:62,500	C. of E.	1961
Lake Chicot, La.	1:62,500	U.S.G.S.	1959
Pigeon Bay, La.	1:24,000	U.S.G.S.	1953

The above maps are in good agreement except for minor shore-line and cultural details.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

1050	1:175,000	1961 Revised to Apr 1962
1051	1:175,000	1962

There are no major discrepancies, through reprinting of the chart they may incorporate some or all of these changes.

66. Adequacy of Results and Future Surveys

These manuscripts were prepared according to project instructions and are within the required accuracy.

Reviewed by:

L. C. Lande  
L. C. Lande



Approved by:

Charles L. Linn  
Chief, Cartographic Branch

James G. Taylor  
Chief, Nautical Chart Division

J. E. Wray 4/8/63  
Chief, Photogrammetry Division

Harold B. Conroy  
Chief, Operations Division

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-10518

INSTRUCTIONS

- A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
- 1. Letter all information.
- 2. In "Remarks" column cross out words that do not apply.
- 3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
1051	5-5-65	H. Keeley	<del>Full Part</del> Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
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