**FORM 504**

**U. S. DEPARTMENT OF COMMERCE**

**COAST AND GEODETIC SURVEY**

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Planimetric (Photogrammetric)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>Ph-170</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-10518</td>
</tr>
</tbody>
</table>

**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>Louisiana</th>
</tr>
</thead>
<tbody>
<tr>
<td>General locality</td>
<td>Atchafalaya River Floodway</td>
</tr>
<tr>
<td>Locality</td>
<td>Catahoula</td>
</tr>
</tbody>
</table>

| Year          | 1956-57                      |

**CHIEF OF PARTY**

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

**LIBRARY & ARCHIVES**

| DATE         | May 1963                    |

*USC&GSDC 5087*
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

Supplement II 14 March 1957

Copy filed in Division of Photogrammetry (IV)

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 (22) refer to mean high water

Elevations shown as (3) 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.
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

Planetary 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

Planimetry

Stereoscopic Instrument compilation (III):

Contours

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) Date: 4-27-60
J. L. Harris (advance) Sept. 1960

Elevations on Manuscript checked by (II) (III): None Date:

COM-DC-57842
Camera (kind or source) (III): USC&GS 9 lens - focal length 8/25 inches

Tide is mainly diurnal. Probably about 0.5 ft. above M.L.W. on this day.

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.

Ratio of Ranges Mean Range Spring Range

Washington Office Review by (IV):
Final Drafting by (IV):
Drafting verified for reproduction by (IV):
Proof Edit by (IV):

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): 0 Recovered: 0 Identified: 0
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:
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 Ronde 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, 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:

[Signature]
Martin C. Moody
Cartographic Survey Aid

Approved:

[Signature]
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).
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR y-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>SCALE FACTOR</th>
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<td>Traverse Station</td>
<td>WABPL Sht#12</td>
<td>N.A.</td>
<td>30 08 41.871</td>
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<td>1289.3 (558.2)</td>
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<td>175 (U.S.E.)</td>
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<td>1927</td>
<td>91 40 47.432</td>
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<td>Catahoula (U.S.E.D)</td>
<td>G-3218 P-34</td>
<td>1935</td>
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</table>
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
CPT, C&GS
Portland District Officer

Respectfully submitted:
Edward Deal
C. Edward Deal
Cartographer
C&GS
49. Notes to the Hydrographer:

None.
PHOTOGRAMMETRIC OFFICE REVIEW
T-10518


CONTROL STATIONS

ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES
31. Boundary lines X 32. Public land lines X

MISCELLANEOUS

40. J.L. Harris
Reviewer

Edward Dye
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.

43. Remarks:

Compiler

Supervisor

M-2023-12
48. Geographic Name:

Atchafalaya Basin Floodway
Bayou Barrón
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
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

<table>
<thead>
<tr>
<th>Location</th>
<th>Scale</th>
<th>Agency</th>
<th>Date</th>
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<tbody>
<tr>
<td>Loreauville, La.</td>
<td>1:62,500</td>
<td>C. of E.</td>
<td>1961</td>
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<td>Lake Chicot, La.</td>
<td>1:62,500</td>
<td>U.S.G.S.</td>
<td>1959</td>
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<td>Pigeon Bay, La.</td>
<td>1:24,000</td>
<td>U.S.G.S.</td>
<td>1953</td>
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</tbody>
</table>

The above maps are in good agreement except for minor shoreline and cultural details.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

<table>
<thead>
<tr>
<th>Number</th>
<th>Scale</th>
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<tbody>
<tr>
<td>1050</td>
<td>1:175,000</td>
<td>1961 Revised to Apr 1962</td>
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<tr>
<td>1051</td>
<td>1:175,000</td>
<td>1962</td>
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</table>

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:

[Signature]

L. C. Landy
Approved by:

Chuck Turner
Chief, Cartographic Branch

Leonard F. Taylor
Chief, Nautical Chart Division

J. W. Waydak 4/3/63
Chief, Photogrammetry Division

Chief, Operations Division
### 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.

<table>
<thead>
<tr>
<th>CHART</th>
<th>DATE</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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