

10519

Diag. Cht. No. 1116-2.

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey <u>PLANIMETRIC (PHOTOGRAMMETRIC)</u>	
Field No. <u>Ph-170</u>	Office No. <u>T-10519</u>
LOCALITY	
State <u>LOUISIANA</u>	
General locality <u>ATCHAFALAYA RIVER</u>	
Locality <u>LAKE MONGOULOIS</u>	
<u>1956-1957</u>	
CHIEF OF PARTY	
Ira R. Rubottom	Chief of Party
Fred Natella, Portland Photogrammetric Unit	
LIBRARY & ARCHIVES	
DATE <u>May 1963</u>	

COMM-DC 61300

10519

DESCRIPTIVE REPORT - DATA RECORD

T-10519

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 2, 14 March 1957
Supplement 1 15 January 1957
III 21 June 1957
Amendment 2 April 1959
Letter 73/rrj 8 January 1959

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 (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): P.B.M. 28 (USED) 1935

Lat.: 30° 14' 44.145"

Long.: 91° 34' 29.116"

Adjusted Unknown
Unadjusted

Plane Coordinates (IV):

State:

Zone:

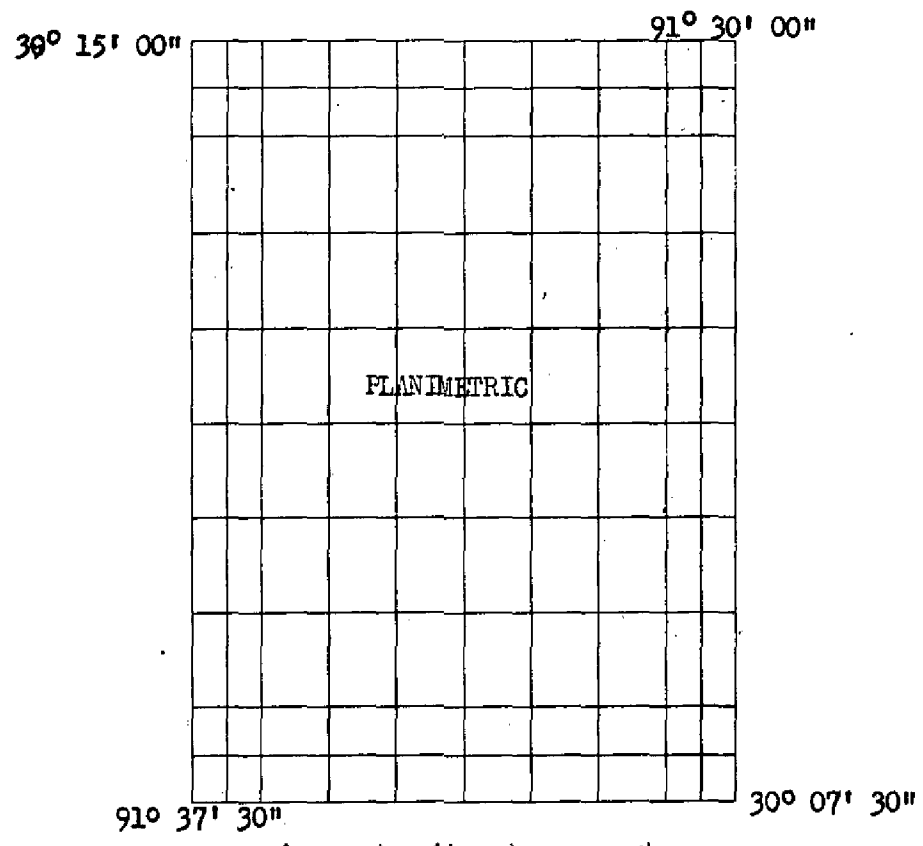
Y=

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**
John R. Smith

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 - 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, rough draft
J. L. Harris, scribing
L. L. Graves, stick-up

Date: **3-6-59**
6-20-60
8-16-60

Photogrammetric Office Review by (III): **J. L. Harris**

Date: **3-31-60 &**
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

		PHOTOGRAPHS (III)			
Number	Date	Time	Scale	Stage of Tide	
54841 thru 54843	10-15-56	11:50	1:20,000	Tide is mainly diurnal. Probably about 0.5 ft. above M.L.W. on this day.	
54859 " 54861	"	12:10	"		
54886 " 54888	"	12:42	"		

Note: Refer to T-10520

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): 60
Shoreline (More than 200 meters to opposite shore) (III): 8
Shoreline (Less than 200 meters to opposite shore) (III): 50
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 17 Recovered: 3 Identified: 2
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-10519

2. AREAL FIELD INSPECTION

This map is located within St. Martin and Iberville Parishes and is entirely within the Atchafalaya Basin Floodway. See Field Inspection Report for Map T-10522 (1957) for description of this area.

The Atchafalaya Basin Main Channel enters the map in the northern section and meanders southeasterly to leave the map in the southeast. This along with the adjacent oil fields are the salient features.

There is no permanent population in the area. A few cabins along the main channel are deserted excepting for a few occupants during the season of low water.

Petroleum is the only industry within the area. The oil fields are relatively new and are under development and expansion. Many drilling sites, evident on the photographs, have no wells. Some of these proved un-productive and the wells were capped beneath the surface of the water so that there is no evidence of wells at these locations. Local pipelines and other temporary structures were not indicated as they are subject to change as development progresses.

Photograph quality was adequate. No undue interpretation difficulties were encountered. Field inspection is believed to be complete and adequate. Field inspection notes appear on the following nine lens, 1:20,000 scale field photographs: 54841 through 54843, 54859 through 54861, 54887 and 54888.

3. HORIZONTAL CONTROL

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

Stations of this bureau reported as lost on Form 526 are as follows:

CHENE (U.S.E.) 1935
LAKE LONG (U.S.E.) 1935
LITTLE TENSAS (U.S.E.) 1935

No supplemental control was established. All control searched for, recovered and identified was established by this bureau or the Corps of Engineers.

None of the stations required to be identified, by the project diagram, were recovered. All of the stations are within the floodway and have been silted over to a depth of four to six feet. Silting has also destroyed the witness trees, thereby making it almost impossible to determine the exact location of the stations.

Two stations, namely, PBM 28 (USED) 1935 and PBM BIG TENSAS, U.S.E. were recovered and the latter identified. These stations having been recovered in recent years by the Corps of Engineers, with the aid of a traverse, had witness posts beside them.

Traverse station, 397 / 20.46, recently established by the Corps of Engineers, was recovered and identified. The order of accuracy of this station is unknown.

4. VERTICAL CONTROL

Not applicable.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

Drainage is by perennial streams, canals 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 Atchafalaya Basin Main Channel and the larger bayous.

Periodic tide in the area is negligible; water level fluctuations result only from flooding.

A spoil area is now in existence across Upper Grand River near its junction with Blind Tensas Cut to block the flow of water. Big Tensas Bayou is also blocked by spoil.

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

The boundary between St. Martin and Iberville Parishes affect this

map. See "Special Report, Boundaries, Project 25170, Part 1 of 3."

11. OTHER CONTROL

There was none established.

12. OTHER INTERIOR FEATURES

There are no roads or railroads within this map.

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.

The shore end of all submerged pipe-lines have been identified on the photographs.

All wells are either oil, gas or injection wells. All tanks are oil tanks unless otherwise classified.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project ^{PH}~~25~~170, Part 1 of 3."

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Special Report, Boundaries, Project ^{PH}~~25~~170, Part 1 of 3, forwarded to Washington 8 May 1957, Package No. 57-052.

Special Report, Geographic Names, Project ^{PH}~~25~~170, Part 1 of 3, forwarded to Washington 8 May 1957, Package No. 57-052.

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

Forms 567, Landmarks and Aids, to be forwarded at a later date.

Submitted:

Leo F. Beugnet

Leo F. Beugnet
Cartographer

Approved:

Ira R. Rubottom

Ira R. Rubottom
Chief of Party

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10519

Project Ph-170.

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

COMPILATION REPORT

Map Manuscript T-10519

Project Ph-170

Items 31 thru 33:

Refer to 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-10517 on the north, T-10518 on the west, T-10520 on the east and T-10521 on the south. T-10517 was compiled in Tampa, Fla. Office and data relative to the junction with T-10519 are contained in correspondence between Officer-in-Charge, Portland Office and Officer-in-Charge, Tampa 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).

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 Clacasiou 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)

Respectfully submitted:

Edward Deal
J. Edward Deal



49. Notes to the Hydrographer:

None.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10519

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 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:

Alligator Bayou
Alligator Lake
Atchafalaya Basin Main Channel
Atchafalaya Flood Basin
Bay Sirius
Bayou Chene
Bayou Chene Cut
Bayou Cozine
Bayou Crook Chene
Bayou Jean Louis
Bayou Leon
Bayou L'Embarras
Bayou La Rose
Bayou La Rompe
Bayou Prudhomme
Beau Bayou
Big Tensas Bayou
Blind Tensas Cut
Cochan Bay
Cow Bayou
Cow Bayou Cove
Cowpen Bayou
Cowpen Little Tensas Cut
Cozine Island
Frog Lake
Four Hudred Dollar Bayou
Jack Island
Jakes Bayou
Lake Long
Lake Mongoulois
Lake Mongoulois Dome
Little Bayou de Plomb
Little Devil Cut
Little Tensas Bayou
Logan Chute
Lower Bay Sirius
Lower Cow Island
Meat Bayou
Old Bayou La Rompe
Poison Lake
Pumpkin Bay
Ricaby Bayou
Sawdust Bayou
Slim Island
Splice Island Chute
Tarleton Bayou
Tensas Bay
Upper/River/Grand


Geographic Name Section
20 November 1962

63/g

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

December 1962

61. General Statement

These are five (5) planimetric maps of Project FH-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 shoreline 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

63/9

Approved by:

Charles L. Lencer
Chief, Cartographic Branch

Samuel L. Taylor
Chief, Nautical Chart Division

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

Horace S. Conroy
Chief, Operations Division

