

10521

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-10521

LOCALITY

State LOUISIANA

General locality ATCHAFALAYA BASIN FLOODWAY

Locality LAKE FAUSSE POINTE

1956-1957

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE May 1963

COMM-DC 61300

10521

DESCRIPTIVE REPORT - DATA RECORD

T-10521

Project No. (II): 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 I 15 January 1957

Supplement 2 14 March 1957

(III) 21 June 1957

Amendment 2 April 1959

Letter 73/rrj 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: **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. SANDY 1940 (USE)

Lat.: 30° 01' 11.898"

Long.: 91° 34' 04.590"

Adjusted Unknown
Unadjusted

Plane Coordinates (IV):

State:

Zone:

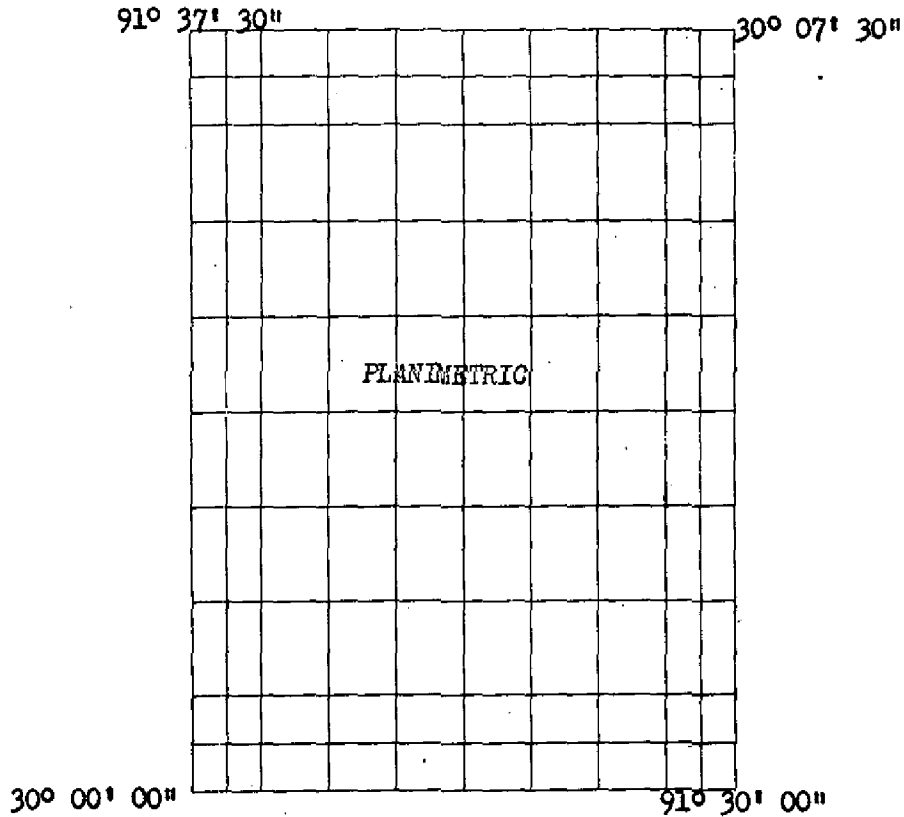
Y=

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)
(I) (II) :

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): Martin C. Moody

Date: May 1957

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): May 1957 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): J. P. Phillips

Date: 6-10-57

Projection and Grids checked by (IV):

"

Date: 6-10-57

Control plotted by (III):

C. C. Harris

Date: 3-9-58

Control checked by (III):

E. T. Jenkins

Date: 3-10-58

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):

J. L. Harris, rough draft

Date: Nov. 1958

J. L. Harris, Scribing

5-10-60

L. L. Graves, Stick-up C

8-31-60

Photogrammetric Office Review by (III):

J. E. Deal, rough draft

Date: March 1960

J. L. Harris, advance

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	
54838 thru 54841	10-15-56	11:50	1:20,000	Tide is mainly diurnal. Probably about 0.5 ft. above M.L.W. on this day.	
54861 "	54864 "	12:15	"		
54884 "	54886 "	12:40	"		

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): **53**
Shoreline (More than 200 meters to opposite shore) (III): **20**
Shoreline (Less than 200 meters to opposite shore) (III): **31**
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): **25** Recovered: **8** Identified: **4**
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-10521

2. AREAL FIELD INSPECTION

This quadrangle is within St. Martin and Iberia Parishes with the greater portion being in St. Martin Parish. Also, approximately three-fourths of the area is within the Atchafalaya Basin Floodway. The levee for this basin enters the quadrangle in the south central portion, continues in a northwest direction, and exits just south of the northwest corner of the quadrangle. See Field Inspection Report for Map T-10522 (1957) for description of the area within the Floodway.

All the population within the area is centered along this levee and the only road, runs on top of or along side of the levee.

Petroleum is the chief industry with fishing and trapping following in order. There is no evidence of logging at the present time.

Nine-lens photographs, 1:20,000 scale, were used for all field inspection. There were no photograph interpretation difficulties encountered. Field inspection is believed to be complete and adequate and was accomplished on the following field photographs: 54838, 54839, 54840, 54861, 54862, 54863, 54884, 54885 and 54886.

3. HORIZONTAL CONTROL

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

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

PCLO, 1935
SANDY COVE, 1935.

The majority of the control established by the Corps of Engineers has either been covered by silting or destroyed by levee construction. Because of the loss of these stations the control identification requirements as outlined on the project diagram could not be accomplished.

Four stations were recovered, namely, BM BREAUX, USE; BM DAUTERIVE, USE; PBM COVE, USE and PBM SANDY, USE. Two of these were identified.

Two traverse stations, established by the Corps of Engineers subsequent to 1949, were recovered and identified for use in the control of the radial plot. These were not a part of the original project data but were reported to be of third-order accuracy.

These stations are as follows:

197, USE (Traverse Station)
223, USE (Traverse Station)

4. VERTICAL CONTROL

Not applicable.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

All drainage is perennial and consists of numerous bayous and canals. A thin strip of high ground, caused by silt from the water, is found along the immediate banks of the larger bayous.

6. WOODLAND COVER

Woodland cover was classified in accordance with Reference 5443, Topographic Manual, Part II, and Project Instructions. It is believed to be adequately covered by field inspection notes on the photographs.

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline along the larger bayous is predominately fast. Overhanging trees along the banks obscure the mean high-water line on the photographs in a great number of places. It is readily discernible with the aid of a stereoscope and it is believed that the compiler shall have no difficulty in delineating the mean high-water line.

There is no true foreshore, as periodic tide is negligible. Areas which bare during the season of low water have been classified as mud.

There are no bluffs or cliffs in this area.

All docks, wharves, piers, landings, etc. are fully covered by field inspection notes on the photographs.

There are no submerged cables in this quadrangle.

All shoreline structures were inspected and are adequately covered by field inspection notes.

8. OFFSHORE FEATURES

There are none.

9. LANDMARKS AND AIDS

There are no landmarks for nautical or aeronautical charts and no aids to navigation in this quadrangle.

10. BOUNDARIES, MONUMENTS AND LINES

The following boundary is the only one affecting this map.

St. Martin - Iberia Parish Boundary.

No indication of this boundary has been made on the field photograph. See "Special Report, Boundaries, Project ^{PH} 25170, Part 1 of 3".

11. OTHER CONTROL

There are no recoverable topographic stations in this quadrangle. No other control was established.

12. OTHER INTERIOR FEATURES

All roads and buildings have been classified in accordance with Reference 5441 and 5446 of the Topographic Manual, Part II, and Project Instructions.

There are no bridges or overhead cables crossing navigable waters.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project ^{PH} 25170, Part 1 of 3".

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

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

Special Report, Geographic Names, Project ^{PH} 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:

Leo F. Buegnit
for
Martin C. Moody
Cartographic Survey Aid

Approved:

Ira R. Rubottom
Ira R. Rubottom
Chief of Party

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10521

Project Ph-170

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

COMPILATION REPORT

Map Manuscript T-10521

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.

Items 35 and 36:

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

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

None.

39. Junctions:

Satisfactory junctions were made with T-10519 on the north, T-10522 on the east and T-10523 on the south. There is no contemporary survey to the west.

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 Calcasieu River, East 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:

J. Edward Deal
 J. Edward Deal
 Cartographer
 C&GS

49. Notes to the Hydrographer:

None.

PHOTOGRAMMETRIC OFFICE REVIEW

T10521

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. 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 X40. _____
Reviewer J. Edward Deal
Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

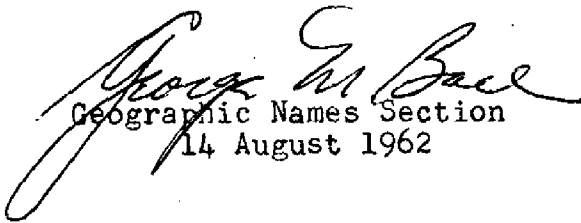
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Complier_____
Supervisor

43. Remarks:

48. Geographic Names:

Alligator Bayou
Atchafalaya Basin Floodway
Bayou Benoit
Bayou Crook Chene
Bayou Darby
Bayou Ella
Bayou Eugene
Bayou Gravensburg
Bayou May
Bayou Prudhome
Beau Bayou
Big Gonsoulin Bayou
Bird Island Chute
Crook Chene Cove
Dauterive Lake
Fausse Pointe Dome
Fish Island
Four Hundred Dollar Bayou
Gonsoulin Cove
Grand Bayou
Grand Lake
Jackass Bayou
Lake Chicot
Lake Fausse Pointe
Lake (Pointe Fausse) Cut
Lake Rond
Little Bayou Gravensburg
Little Gonsoulin Bayou
Red Bayou
West Fork Chicot Pass


Geographic Names Section
14 August 1962

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

December 1962

61. General Statement

There 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 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

Approved by:

Charles Hewitt
Chief, Cartographic Branch

Samuel G. Taylor
Chief, Nautical Chart Division

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

Woodes B. Conely
Chief, Operations Division

