

10523

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Diag. Cht. No. 1116-2.

10523

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-10523</u>
LOCALITY	
State <u>Louisiana</u>	
General locality <u>Atchafalaya River</u>	
Locality <u>Lake Fausse Pointe</u>	
<u>1956-1957</u>	
CHIEF OF PARTY	
<u>I. R. Rubottom</u>	<u>Chief of Party</u>
<u>Fred Natella, Portland Photogrammetric Unit</u>	
LIBRARY & ARCHIVES	
DATE <u>May 1963</u>	

DESCRIPTIVE REPORT - DATA RECORD

T -10523

Project No. (II): PH-170

Quadrangle Name (IV):

Field Office (II): Morgan City, Louisiana

Chief of Party: I. R. Rubottom

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Fred Natella

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

Supplement 2, 14 March 1957

Copy filed in Division of
Photogrammetry (IV)

(III)

Supplement 1 dated 15 Jan. 1957

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): X

Mean sea level except as follows:
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): CHARENTON, 1931

Lat.: 29° 53' 13.282"

Long.: 91° 31' 18.277"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State:

Zone:

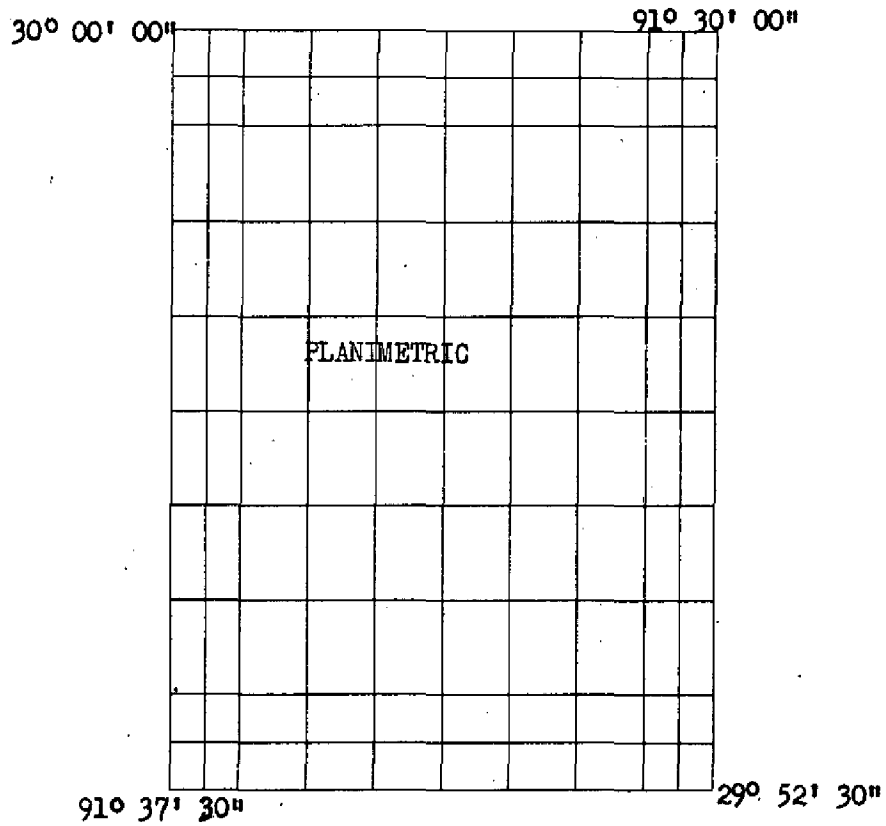
Y=

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): M. C. Moody

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: 10-29-57

Control checked by (III):

D. N. Williams

Date: 11-6-57

Radial Plot or Stereoscopic
Control extension by (III):

J. L. Harris

Date: 1-17-58

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III):

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

Date: 5-8-58
5-5-60
6-17-60

Photogrammetric Office Review by (III):

J. L. Harris, rough draft
& advance

Date: March 1960
Sept. 1960

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

None.

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

PHOTOGRAPHS (III)					
Number	Date	Time	Scale	Stage of Tide	
54836 thru 54838	10-15-56	11:45	1:20,000	Tide is mainly diurnal.	
54864 thru 54866	"	12:14	"	Probably about 0.5 ft.	
54882 thru 54884	"	12:37	"	above MLW on this day.	

*Note: Data was not available to compilation office from tide gage shown on manuscript at mouth of Charenton Canal.

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): 43
 Shoreline (More than 200 meters to opposite shore) (III): 35
 Shoreline (Less than 200 meters to opposite shore) (III): 22
 Control Leveling - Miles (II):
 Number of Triangulation Stations searched for (II): 12 Recovered: 7 Identified: 3
 Number of BMs searched for (II): None Recovered: Identified:
 Number of Recoverable Photo Stations established (III): 1*
 Number of Temporary Photo Hydro Stations established (III): None

Remarks: *Landmark

FIELD INSPECTION REPORT
MAP T-10523

2. AREAL FIELD INSPECTION

The area comprising this map lies along the western limits of the Atchafalaya Basin Floodway and along Bayou Teche.

The west levee of the Atchafalaya Basin Floodway enters the map near the center of its northern limits and meanders in a southerly and easterly direction to leave the map on its eastern limits just north of the southeast corner; thereby placing approximately the northeast third of the area within the floodway.

The character of the terrain in the floodway is as described in Field Inspection Report for Map T-10522 (≡) except that there are no prominent islands formed by deposits of silt.

Bayou Teche enters the map near the southeast corner, meanders generally in a southeasterly direction to leave the map in the south just west of the southeast corner. The entire population is concentrated along the bayou. The wide natural levee along the bayou is very fertile alluvial soil, sloping very gently from the bayou back to the adjoining swamp.

Lake Fausse Pointe is a large fresh water lake occupying most of the northwest quarter of the area. It is bounded almost completely by swamp.

Bayou Teche, the west levee of the floodway and Lake Fausse Pointe are the salient features.

Agriculture was originally the chief industry of the area, based mainly upon sugar cane. It is still important but the petroleum and allied industries have become more important. Shrimp and fishing furnish livelihood to a small percentage of the residents, but these, too, have decreased in importance.

U. S. Highway 90 crosses the southern section of the area roughly parallel to Bayou Teche and is the only important means of surface transportation except for water routes along the numerous bayous.

Photograph quality was excellent; no interpretation difficulties were encountered. Field inspection is believed to be adequate and complete. Field inspection notes appear on 1:20,000 scale nine lens photographs: 54836, 54837, 54838, 54864, 54865, 54866, 54882 and 54883.

3. HORIZONTAL CONTROL

There was no supplemental control established. All Bureau stations plotted on the project diagram were searched for and reported on Form 526.

Stations reported lost are as follows:

JEANERETTE SAWMILL FLAT TOP TANK

BALDWIN CATHOLIC CHURCH EAST DOME, 1931

BALDWIN CATHOLIC CHURCH WEST DOME, 1931.

ST. PAUL, USE, a third-order station established by the Corps of Engineers, was recovered and identified.

4. VERTICAL CONTROL

Inapplicable.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

All drainage is by perennial streams, bayous, canals and ditches which are adequately covered by the field photographs.

6. WOODLAND COVER

Woodland cover was classified in accordance with reference 5433, Topographic Manual, Part II.

7. SHORELINE AND ALONGSHORE FEATURES

A thin strip of high ground is found along the immediate shore of a majority of the numerous streams and bayous. But for the entire area, the shoreline is predominantly apparent. (See Field Inspection Report for Map T-10522).

There are no submerged cables in the area.

8. OFFSHORE FEATURES

Adequately covered by the field photographs.

9. LANDMARKS AND AIDS

There are none.

? See Compilation Report ^{Item #37} _{year}

10. BOUNDARIES, MONUMENTS AND LINES

Boundaries affecting this map are as follows:

1. St. Mary Parish, Louisiana.

2. Iberia Parish, Louisiana.

See "Special Report, Boundaries, Project ^{P4} 25170, Part 1 of 3".

11. OTHER CONTROL

There was none established.

12. OTHER INTERIOR FEATURES

All roads were classified in accordance with Reference 5441, Topographic Manual, Part II and project instructions.

All buildings were classified in accordance with project instructions.

Bridge clearances are as follows:

WATERWAY	NAME or LOCATION	TYPE	MEASURED		BRIDGE BOOK	
			HORIZ	VERT	HORIZ	VERT
Teche Bayou	Charenton, La.	SW	56.0	9.4		
Teche Bayou	Charenton, La.	SW	77.6	11.2		
Teche Bayou	Adeline, La.	SW	80.0	9.4		
Charenton Canal	Charenton, La.	F	36.6	13.8		

Cable clearances are as follows:

WATERWAY	LATITUDE	LONGITUDE	CLEARANCE
Teche Bayou	29° 53.4'	91° 31.6'	58.6
Teche Bayou	29° 53.0'	91° 35.7'	60.3
Charenton Canal	29° 53.9'	91° 31.2'	65.8

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, to be forwarded at a later date.

Special Report, Geographic Names, Project ^{PH}~~25~~170, Part 1 of 3, to be forwarded at a later date.

Data, Maps T-10521 (1957), T-10522 (1957) and T-10526, to be forwarded at a later date.

Submitted:

M. C. Moody
Martin C. Moody
Cartographic Survey Aid

dejt

Approved:

Ira R. Rubottom

Ira R. Rubottom
Chief of Party

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10523

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).

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T 10523

PROJECT NO. PB-170

SCALE OF MAP 1:20,000

SCALE FACTOR None

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)	
ST. PAUL (USE) (No date)	JEANERETTE QUAD #53	N.A. 1927	29 57 04.452 91 39 09.086				137.1 243.7	(1710.4) (1365.3)	
DO Sub Station	Office Comp.	"	29 57 91 39				125.7 248.4	(1721.8) (1360.6)	
BALDWIN N.W. BASE 1931	G-1244 P-I-26	"	29 52 43.051 91 35 23.131				1325.6 620.7	(521.8) (989.4)	
ADELINE PLANTATION SUGAR MILL CONCRETE STACK, 1931	G-1244 P-I-86	"	29 52 36.182 91 35 02.486				1114.1 66.7	(733.4) (1543.4)	
CHARENTON, 1931	G-1244 P-I-26	"	29 53 13.282 91 31 18.277				409.0 490.4	(1438.5) (1119.5)	
DO Sub Station	Office Comp.	"	29 53 91 31				479.6 502.6	(1367.9) (1107.3)	
JEANERETTE MUNICIPAL WATER TANK	G-1244 P-I-85	"	29 54 45.076 91 39 50.804				1387.9 1362.9	(459.5) (246.8)	
JEANERETTE ST. PETERS CATHOLIC CHURCH, Spire	G-1244 P-I-85	"	29 54 56.465 91 40 11.974				1738.6 321.2	(108.9) (1288.3)	
JEANERETTE, 1931	G-1244 P-I-26	"	29 55 29.238 91 42 40.927				900.3 1097.8	(947.2) (511.6)	

COMPILATION REPORT
Map Manuscript T-10523
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, Jeanerette, La. quadrangle, scale 1:62,500, edition of 1954).

Items 35 and 36:

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

37. Landmarks and Aids:

Form 567 is submitted for one landmark. Paragraph 9 of the Field Inspection Report incorrectly states that there are no landmarks for this manuscript.

38. Control for Future Surveys:

None.

39. Junctions:

Satisfactory junctions were made with T-10521 on the north and T-10524 on the east. There are no contemporary surveys to the west and south.

40. Horizontal and Vertical Accuracy:

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

41. Bridge and Cable Clearances:

Listed are bridge and cable clearances which have not been included in the field inspection report.

Swing Bridge - 29° 53' - 91° 35'

Hor. Cl. 80.0 ft. Vert. Cl. 9.0 ft.

Swing Bridge - 29° 52' 30" - 91° 31'

Hor. Cl. 56.0 ft. Vert. Cl. 9.0 ft.

Swing Bridge - 29° 53' - 91° 31'

Hor. Cl. 77.6 ft. Vert. cl. 11.0 ft.

Overhead Cable - 29° 53' - 91° 31'

Crosses Charenton Canal at Bridge. Clearance greater than bridge.

Fixed Bridge - 29° 53' - 91° 31'

Hor. Cl. 36.6 ft. Vert. Cl. 13.0 ft.

Overhead Cable - 29° 53' - 91° 31' Crosses Bayou Teche

Vert. Cl. 58.0 ft.

Overhead Cable - 29° 53' - 91° 31' Crosses Charenton Canal

Vert. Cl. 65.0 ft.

Overhead Cable (Power) - 29° 53' - 91° 31' 30"

Crosses Bayou Teche

Vert. Cl. 61.0 ft.

46. Comparison with Existing Maps:

Comparison was made with Corps of Engineers, 15 minute, Jeanerette, La. quadrangle, scale 1:62,500, edition of 1954.

47. Comparison with Nautical Charts:

Comparison was made with nautical chart No. 1051, Inter-coastal Waterway, New Orleans to Calcasieu River, West Section, scale 1:175,000 at Lat. 30° 00', 2nd edition Aug. 25, 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.

50.-----PHOTOGRAMMETRIC OFFICE REVIEW

T-10523

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 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 X 16. Aids to navigation None 17. Landmarks X 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 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.

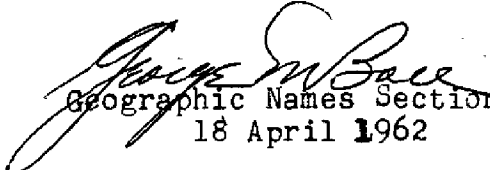
Compiler_____
Supervisor

43. Remarks:

M-2623-12

48. Geographic Names:

Atchafalaya Basin Floodway
Bayou Jean Lewis
Bayou Teche
Big Pass
Bird Island Chute
Charenton
Charenton Beach
Charenton Canal
Chitimacha Bend
Cotton Canal
Cotton Canal Cove
Filly Bayou
Fish Island
Fishers Island
Grand Avoille Cove
Grand ~~LAKE~~ Lake
Jeanerette Canal
Jeanerette Cove
Lake Fausse Pointe
Lake Fausse Pointe Cut
Little Avoille Cove
Little Lake Long
Little Pass
Long Pass
Lower Lake Long Pass
Lulas Chute
Matilda
North Eagle Point
Parro Island
Peach Bayou
Sandy Point
Sawmill Bayou
Shaws Island
Sorràl
South Eagle Point


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 supercede 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 for a dredged channel that is shown on the chart, at Lat. ^{29°}~~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. A. Lande

Approved by:

Charles H. ...
Chief, Cartographic Branch

James G. Taylor
Chief, Nautical Chart Division

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

W. ... C. ...
Chief, Operations Division

