

10526

Crif

Diag. Cht. No. 1116-2.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-170 Office No. T-10526

LOCALITY

State Louisiana

General locality Atchafalaya River

Locality Grand and Six Mile Lakes

1956-1957

CHIEF OF PARTY

I. R. Rubottom Chief of Party
Fred Natella Photogrammetric Office

LIBRARY & ARCHIVES

DATE May 1963

COMM-DC 61300

10526

DESCRIPTIVE REPORT - DATA RECORD

T-10526

PH 170

Project No. (II): ~~25390~~ 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

Supplement 1 dated 15 Jan. 1957

(III) 21 June 1957

Amendment dated 2 April 1959

Letter 73/rrj dated 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):

FEB 14 1961

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 (2) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): GERMANIA, 1931

Lat.: 29° 45' 45.350"

Long.: 91° 25' 07.248"

Adjusted: X
Unadjusted

Plane Coordinates (IV):

State:

Zone:

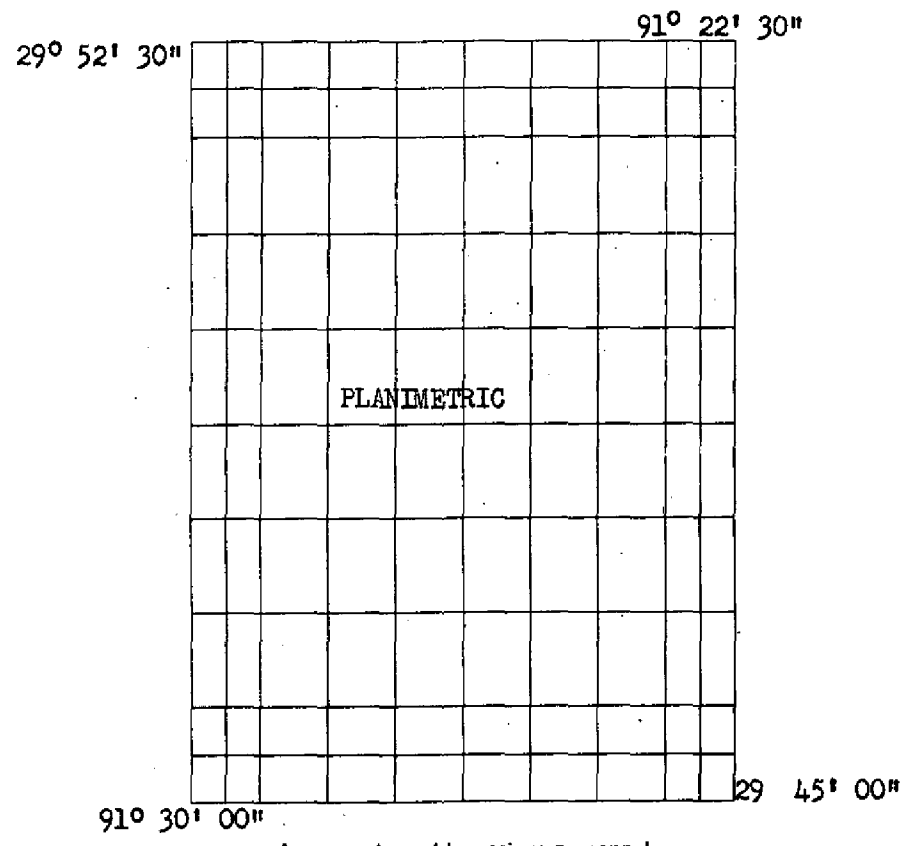
Y=

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
J. R. Smith

Date: February 1957

Planstable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): February 1957. Indicated by field inspection on field photographs. Defined 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: 10-30-57

Control checked by (III):

D. N. Williams

Date: 11-4-57

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):

R. E. Boyd - Compilation

Date: 4-10-58

R. E. Boyd - Scribing

6-2-58

C. C. Harris - Stick-up

8-29-60

Photogrammetric Office Review by (III):

D. N. Williams - Rough Draft

Date: 4-18-58

J. L. Harris - Advance

9-8-60

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

Date:

DESCRIPTIVE REPORT - DATA RECORD 5.

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

		PHOTOGRAPHS (III)			
Number	Date	Time	Scale	Stage of Tide	
54804 thru 54806	10-15-56	11:06	1:20,000	Tide is mainly diurnal. Probably about 0.9 ft. above M.L.W. on this day.	
54833 thru 54835	"	11:42	"		

Tide (III)

Reference Station: Galveston, Texas
Subordinate Station: Eugene I. Atchafalaya Bay
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): 47

Shoreline (More than 200 meters to opposite shore) (III): 20 statute miles

Shoreline (Less than 200 meters to opposite shore) (III): 23 " "

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 18 Recovered: 15 Identified: 5

Number of BMs searched for (II):

Recovered: Identified:

Number of Recoverable Photo Stations established (III): 3

Number of Temporary Photo Hydro Stations established (III): None

Remarks:

FIELD INSPECTION REPORT
MAP T-10526

2. AREAL FIELD INSPECTION

Part of this area lies along Grand and Six Mile Lakes in the Atchafalaya Basin Floodway and the remainder lies along Bayou Teche.

Approximately one-third of the area is within the floodway, the major portion being parts of Grand and Six Mile Lakes. There are scattered islands in these lakes, some of which are swamp and others are islands formed by silt deposits. The west guide levee of the floodway roughly parallels the west shore of Grand Lake and the south shore of Six Mile Lake. Conditions peculiar to the floodway are described in Field Inspection Report for Map T-10522 ().

Bayou Teche, a former bed of the Mississippi River whose course it roughly parallels, enters the map from the west and meanders through the southwestern half of the area to leave it near the southeast corner.

This stream has had a great impact upon the history of the entire region. ~~Natural levees~~, one along each side of the bayou, are rich alluvial deposits which slope gently from the bayou to the adjoining swamp. Sugar cane, cotton and other similar crops were well adapted to this soil, yielding excellent harvests. These crops were the mainstay of the agricultural economy of the area. And, the bayou furnished the best means of transportation for these agricultural products. The Old Spanish Trail, the main land line of communication between Spanish New Orleans and other Spanish possessions in the Southwest, ran roughly parallel to the bayou.

The entire population of the area is located along the bayou because of its importance to the earlier settlers. As time passed and improvements occurred, roads and railroads were also located along the bayou due to concentration of the population and unfavorable character of the terrain away from the bayou.

Sugar cane remains the chief crop but agriculture, though still important, is no longer the most important industry. The petroleum and its supporting industries have replaced agriculture in importance. Shrimping was the second most important industry at one time but it, too, has decreased in importance, mainly as a result of depletion of the shrimp beds.

The town of Franklin and the village of Centerville are the two main centers of the population concentrated along the bayou. Franklin is the seat of St. Mary Parish.

Transportation facilities are good, consisting of a road system based upon U. S. Highway 90; rail transport by the Southern Pacific Railroad; and water transport, chiefly along Bayou Teche and through Grand and Six Mile Lakes to the Atchafalaya River. U. S. Highway 90 and the Southern Pacific Railroad both are parallel to the general course of Bayou Teche.

Grand and Six Mile Lakes and Bayou Teche are the salient features.

Photograph quality was excellent; no interpretation difficulties were encountered. Field inspection is believed to be adequate and complete.

Field inspection notes appear on the following 1:20,000 scale nine lens photographs:

54804, 54805, 54806, 54833, 54834, 54835 and 54781.

3. HORIZONTAL CONTROL

No supplemental control was established.

WINN, USE, a third-order station of the Corps of Engineers was recovered and identified. No other control of another agency was used.

The following stations were reported lost:

MOUND, 1931

SHADYSIDE PLANTATION WATER TANK, 1931

FRANKLIN MUNICIPAL STANDPIPE, 1931

4. VERTICAL CONTROL

Inapplicable.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

Drainage is ^{perennial}perennial and is adequately covered by the photographs.

6. WOODLAND COVER

Adequately covered by the photographs.

7. SHORELINE AND ALONGSHORE FEATURES

Shoreline of Bayou Teche is the mean high water line along the banks of the bayou, while the major portion of the remaining shoreline is the offshore edge of swamp and marsh. Scattered small islands in Grand and Six Mile Lakes are exceptions to the latter statement.

(See Field Inspection Report for Map T-1052² for conditions in the Atchafalaya Basin Floodway.)

The shoreline has been indicated at intervals by the appropriate symbol. In areas obscured by overhang of trees the symbols were placed on the mean high water line or at the base of trees along offshore edge of swamp by a careful stereoscopic study of the obscured areas.

The foreshore in Bayou Teche is too narrow to map due to the steepness of the banks. The foreshore is also narrow in the Grand and Six Mile Lakes areas due to the small range of tide. This, when occurring, is mud. During the flood season the water level is raised beyond the level at which the range of tide bares any foreshore.

All alongshore structures are adequately covered by the photographs and field inspection notes.

8. OFFSHORE FEATURES

Believed to be adequately covered by the photographs and field inspection notes.

9. LANDMARKS AND AIDS

Landmarks are adequately covered by the photographs, field inspection notes and Form 567.

There are no aids to navigation.

10. BOUNDARIES, MONUMENTS AND LINES

This map is affected by the following boundaries:

St. Martin - St. Mary Parish Boundary.

City of Franklin.

11. OTHER CONTROL

None required.

12. OTHER INTERIOR FEATURES

Buildings and roads 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	Centerville, La. (Germania Plantation)	SW.	62.0	7.7	71.0	1.6
Teche Bayou	Garden City, La. (Alice C. Plantation)	SW.	70.0	10.3	70.2	7.1
Teche Bayou	Franklin, La.	SW.	63.0	12.0	60.0	6.5
Teche Bayou	Oaklawn, La.	SW.	49.0	8.6	60.0	4.4
Teche Bayou	Oaklawn, La.	SW.	65.5	12.0		

Overhead cable clearances are as follows:

WATERWAY	LATITUDE	LONGITUDE	CLEARANCE
Teche Bayou	29° 45.4'	91° 24.0'	68.0
Teche Bayou	29° 45.6'	91° 25.2'	64.0
Teche Bayou	29° 46.2'	91° 28.5'	68.0
Teche Bayou	29° 46.9'	91° 29.6'	55.0
Teche Bayou	29° 47.7'	91° 29.9'	71.6
Teche Bayou	29° 48.1'	91° 29.5'	65.5
Teche Bayou	29° 48.2'	91° 28.9'	67.3
Teche Bayou	29° 49.3'	91° 27.1'	72.3
Teche Bayou	29° 50.4'	91° 27.3'	62.0
Teche Bayou	29° 50.5'	91° 27.3'	71.4

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, to be forwarded at a later date.

Special Report, Geographic Names, Project ^{PH}25170, Part 1 of 3 to be forwarded at a later date.

Revision Data, Map T-9020, to be forwarded at a later date.

Data, Maps T-10522 (), T-10524 (), T-10525 (), and T-10527 () to be forwarded at a later date.

Forms 567, Landmarks for Nautical and Aeronautical Charts to be forwarded at a later date.

Submitted:

Martin C. Moody
Martin C. Moody
Cartographic Survey Aid

dyg

Approved:

Ira R. Rubottom

Ira R. Rubottom
Chief of Party

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10526

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).

MAP T. PROJECT NO. SCALE OF MAP SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -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)	FORWARD	(BACK)		FORWARD	(BACK)	
GERMANIA, 1931	G-1244 P-I27	N.A. 1927	29 45	45.350				1396.3	(451.1)	
DO	Office	"	29 45	07.248				194.7	(1417.3)	
Sub Station	Comp.	"	29 45					1422.4	(425.0)	
WINN (USE) (no date)	Foster Quad #53	"	29 49	48.474				1492.5	(354.9)	
		"	91 24	34.222				918.8	(692.1)	
VERDUN, 1931	G-1244 P-I27	"	29 45	01.428				44.0	(1803.4)	
DO	Office	"	91 23	47.337				1271.9	(340.2)	
Sub Station	Comp.	"	29 45					34.5	(1812.9)	
CENTERVILLE CATHOLIC CHURCH	G-1244	"	91 23					1264.9	(347.2)	
SPIRE, 1931	P-I84	"	29 45	31.498				969.8	(877.6)	
Alice J.W. Foster SUGER MILL WATER TANK, 1931	"	"	91 25	43.273				1162.6	(449.4)	
		"	29 46	09.747				300.1	(1547.3)	
		"	91 28	44.326				1190.8	(421.1)	
FRANKLIN, 1931	G-1244 P-I26	"	29 47	04.277				131.7	(1715.7)	
FRANKLIN COURT HOUSE DOME, TIP OF STATUE, 1931	G-1244 P-I84	"	91 31	21.100				566.7	(1044.9)	
OLD NORTH BEND SUGER MILL, BRICK STACK, 1931	G-1244 P-I85	"	29 47	27.880				858.4	(989.0)	
		"	91 29	59.242				1591.1	(20.4)	
FOSTER, 1931	G-1244 P-I27	"	29 41	00.83				25.6	(1821.8)	
		"	91 28	19.90				535.1	(1078.1)	
BALDWIN S.E. BASE, 1931	G-1244 P-I27	"	29 41	40.577				1249.4	(598.0)	0
		"	91 27	44.443				1194.8	(418.2)	
		"	29 50	19.289				593.9	(1253.5)	
		"	91 32	43.509				1168.0	(442.7)	

COMPILATION REPORT
 Map Manuscript T-10526
 Project Ph-170

Items 31 thru 36:

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

37. Landmarks and Aids:

Form 567 is submitted for four landmarks.

38. Control for Future Surveys:

The four landmarks are listed under Item 49: Notes to the Hydrographer.

39. Junctions:

Satisfactory junctions were completed with T-10524 on the north and T-10527 on the east. There are no contemporary surveys to the west and south.

40. Horizontal and Vertical Accuracy:

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

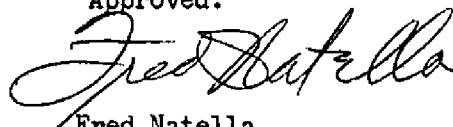
41. Overhead Cable:

No clearance was furnished for the overhead power line crossing located between Latitudes $29^{\circ} 46'$ and $29^{\circ} 47'$ and between Longitudes $91^{\circ} 22' 45''$ and $91^{\circ} 23' 39''$.

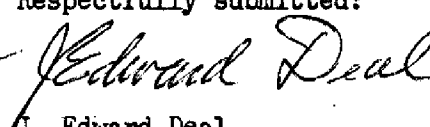
Items 46 and 47:

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

Approved:


 Fred Natella
 CAPT, C&GS
 Portland District Officer

Respectfully submitted:


 J. Edward Deal
 Cartographer

PHOTOGRAMMETRIC OFFICE REVIEW

T-10526

- 1. Projection and grids
- 2. Title
- 3. Manuscript numbers
- 4. Manuscript size

CONTROL STATIONS

- 5. Horizontal control stations of third-order or higher accuracy
- 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)
- 7. Photo hydro stations None
- 8. Bench marks None
- 9. Plotting of sextant fixes
- 10. Photogrammetric plot report
- 11. Detail points

ALONGSHORE AREAS

(Nautical Chart Data)

- 12. Shoreline
- 13. Low-water line
- 14. Rocks, shoals, etc.
- 15. Bridges
- 16. Aids to navigation None
- 17. Landmarks
- 18. Other alongshore physical features
- 19. Other along-shore cultural features

PHYSICAL FEATURES

- 20. Water features
- 21. Natural ground cover
- 22. Planetable contours None
- 23. Stereoscopic instrument contours None
- 24. Contours in general None
- 25. Spot elevations None
- 26. Other physical features

CULTURAL FEATURES

- 27. Roads
- 28. Buildings
- 29. Railroads
- 30. Other cultural features

BOUNDARIES

- 31. Boundary lines
- 32. Public land lines None

MISCELLANEOUS

- 33. Geographic names
- 34. Junctions
- 35. Legibility of the manuscript
- 36. Discrepancy overlay None
- 37. Descriptive Report
- 38. Field inspection photographs
- 39. Forms

40. Samuel N. Williams Reviewer 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.

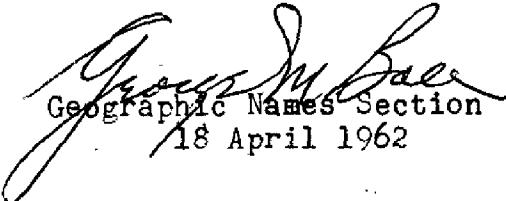
Complier

Supervisor

43. Remarks:

48. Geographic Names:

Bayou Grue
Bayou Teche
Bayou Yokely
Bellevue
Camperdown
Centerville
Cypress Island
Dock Saunders Cove
Franklin
Garden City
Grand Lake
Gray House Isle
Hanson Canal
Irish Bend
Miller Point
Oaklawn Canal
Oakwood
Oxford
Shatters Bayou
Sterling
Verdunville
Verdunville Canal
Yellow Bayou


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 supersede 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. $30^{\circ} 57.0'$ Long. $91^{\circ} 15.8'$, 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. C. Lande
L. C. Lande

Approved by:

Charles L. Lamm
Chief, Cartographic Branch

Lawrence G. Jander
Chief, Nautical Chart/Division

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

Harold S. Conner
Chief, Operations Division

