

# 10510

ORIGINAL

Diag. Cht. No. 1.

<p>Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY</p> <h2 style="text-align: center;">DESCRIPTIVE REPORT</h2>	
Type of Survey	PLANIMETRIC
Field No. Ph-170	Office No. T-10510
LOCALITY	
State	LOUISIANA
General locality	ATCHAFALAYA RIVER
Locality	KROTZ SPRINGS
<u>1956-57</u>	
CHIEF OF PARTY Ira R. Rubottom, Chief of Field Party Arthur L. Wardwell, Tampa District Officer	
LIBRARY & ARCHIVES	
DATE	May 1963

USCOMM-DC 5087

# 10510

DESCRIPTIVE REPORT - DATA RECORD

T - 10510

Project No. (II): **Ph-170**      Quadrangle Name (IV):

Field Office (II): **Opelousas, Louisiana**      Chief of Party: **Ira R. Rubottom**

Photogrammetric Office (III): **Tampa, Florida**      Officer-in-Charge: **Arthur L. Wardwell**

Instructions dated (II) (III): (II) (FIELD) - 4 Dec. 1956	Copy filed in Division of
Supplement 1 (Field) - - - - 15 Jan. 1957	Photogrammetry (IV)
Supplement 2 (Field) - - - - 14 Mar. 1957	
(OFFICE) - - - - - 21 Jan. 1957	
Amendment (Office) - - - - - 2 Apr. 1959	

Method of Compilation (III): **Graphic**

Manuscript Scale (III): **1:20,000**      Stereoscopic Plotting Instrument Scale (III): **Inapplicable**

Scale Factor (III): **None**

Date received in Washington Office (IV): **3/24/60**      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): **MHW**

~~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): **KROTZ 1935**

Lat: **30°32'14.860" (457.6 m.)**      Long: **91°45'20.417" (544.3 m.)**      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.





DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): USC&GS Nine-lens

4.

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
54953	15 October 1956	1402	1:20,000	No
54954	"	1403	"	
54955	"	1404	"	Periodic
54982	"	1435	"	
54983	"	1436	"	Tide
54984	"	1437	"	

No tide

Tide (III)

Reference Station:  
Subordinate Station:  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

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): 57

Shoreline (More than 200 meters to opposite shore) (III): 84 lineal miles

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

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 11 Recovered: 4 Identified: 4

Number of BMs searched for (II): - Recovered: - Identified: -

Number of Recoverable Photo Stations established (III): 1 (natural object)

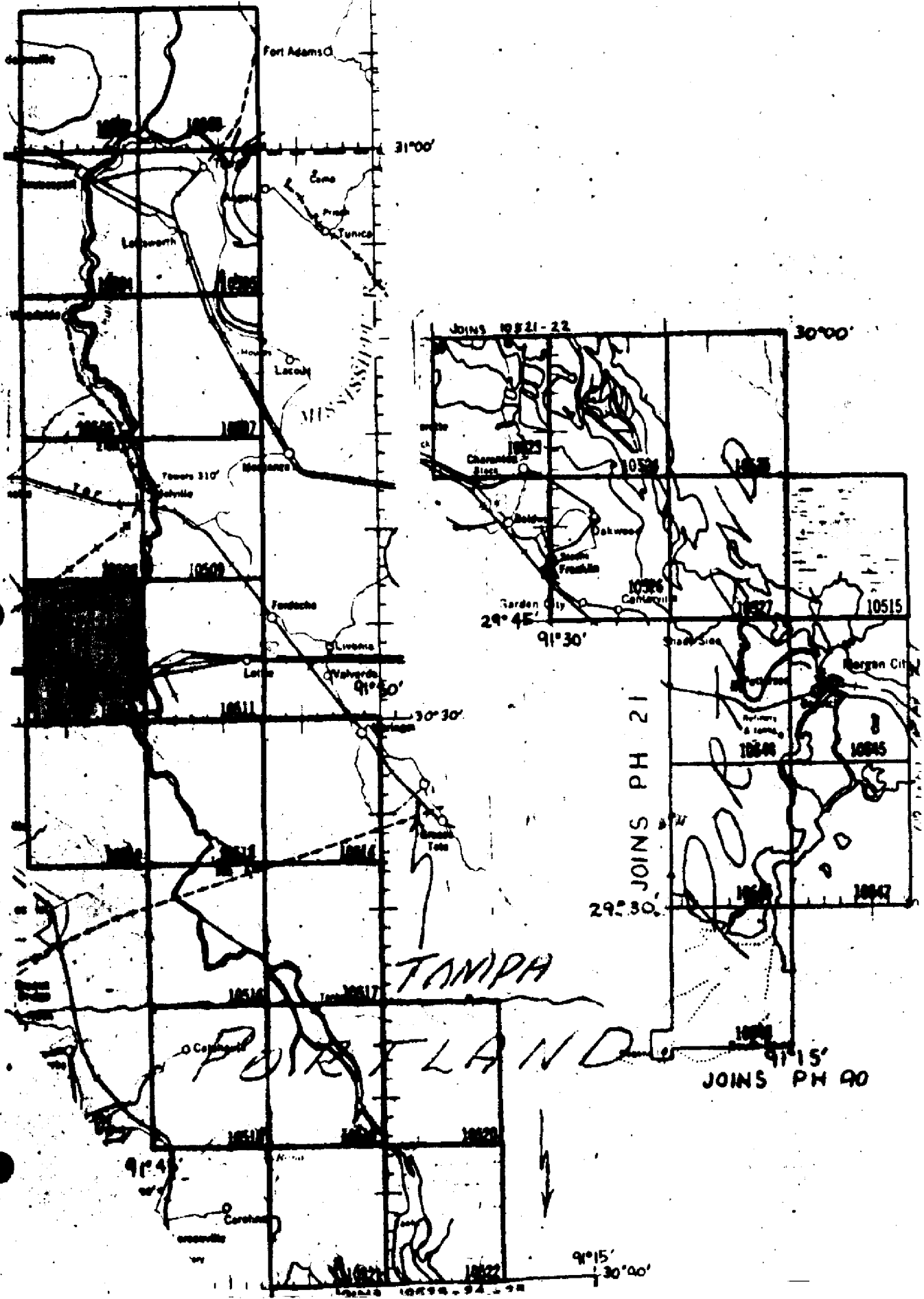
Number of Temporary Photo Hydro Stations established (III): none

Remarks:

PLANIMETRIC PROJECT PH170

Atchafalaya Bay to Mississippi River, La.

Sheet 1 of 2



FIELD INSPECTION REPORT  
PROJECT 170  
MAP T-10510

Please refer to the Field Inspection Report for Map T-10508  
for all data pertaining to this map.

Submitted:

*Martin C. Moody*  
Martin C. Moody  
Cartographic Survey Aid

Approved:

*Ira R. Rubottom*

Ira R. Rubottom  
Chief of Party



MAP T-10510

PROJECT NO. Ph. 170

SCALE OF MAP 1:20,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $x$ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS	METERS PER DATUM-CORRECTOR	N.A. 1927-DATUM		DISTANCE FOR ONE MINUTE FROM GRID OR PROJECTION LINE IN METERS
						FORWARD	(BACK)	
KROTZ, 1935	G.P. Page II, 8	N.A. 1927	30 32 14.860 91 45 20.417		30.794 26.657	457.6 (1390.0) 544.3 (1055.1)	1847.6 1599.4	
Ditto	Office Comp.	"	30 32 91-45		30.794 26.657	442.1 (1398.0) 442.1 (1157.3)	1847.6 1599.4	
LEVEE STATION 1663+53.7 (USE) 1949	USE, 1949 WABPL Traverse Sheet 6	"	30 35 07.645 91 52 04.553		30.794 26.664	235.4 (1612.2) 121.3 (1477.3)	1847.6 1598.6	
Ditto	Office Comp.	"	30 35 91 52		30.794 26.664	203.7 (1643.9) 175.2 (1423.4)	1847.6 1598.6	
Sub. Pt. 3698 (L.G.S.) (USE) *	USE PALMETTO QUAD P. 49	"	30 32 35.461 91 48 25.785		30.794 26.655	1092.8 (755.3) 687.8 (911.5)	1847.6 1599.3	
Ditto	Office Comp.	"	30 32 91 48		30.794 26.655	1101.4 (746.2) 730.8 (869.0)	1847.6 1599.3	
Sub. Pt. 15 (USE) 1954	USE, 1949 WABPL Traverse Sheet 1	"	30 30 24.933 91 51 48.147		30.794 26.665	767.8 (1079.8) 1230.5 (369.4)	1847.6 1599.9	
Ditto	Office Comp.	"	30 30 91 51		30.794 26.665	682.1 (1165.5) 1261.1 (338.8)	1847.6 1599.9	
Sub. Pt. LEVEE STATION 1667+65.17 (USE) 1949	USE, 1949 WABPL TRAVERSE Sheet 6	"	30 35 03.665 91 52 03.533		30.794 26.644	112.86 (1734.7) 94.13 (1504.5)	1847.6 1598.6	
<p>*Note: Station 3698 (LGS) USE Two positions were found for this station, one in the Palmetto Quad, from the Chief of Engineers, Washington, D.C., the other from the Palmetto Quad, from the New Orleans Eng. District Office. The first, #99 on the Quad., gives the position as: 30° 32' 35.471" 91° 48' 25.804" The second, p. 49 on the Quad., gives the position: 30° 32' 1092.0 m 91° 48' 687.3 m converting meters into seconds this position becomes 30° 32' 35.461" 91° 48' 25.785" As the quad from the N.O. Engineer District Office is dated "Revised April 1952" we are accepting this second position as correct.</p>								



COMPILATION REPORT T-10510

PHOTOGRAMMETRIC PLOT REPORT

Being submitted by Portland Office Report T10527

31. DELINEATION

Compiled by the graphic method.

All the photographs showed considerable tilt. The width of some of the bayous could not be exactly determined due to the density of the overhanging trees.

Field inspection was adequate.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

Contours inapplicable.

Drainage has been delineated as shown on photographs and according to field inspection notes.

Some streams could not be traced in their entirety because of the dense woodland cover and obscured portions were shown as "Probable drainage unsurveyed".

35. SHORELINE AND ALONGSHORE DETAILS

Most of the shoreline of the ATCHAFALAYA RIVER/delineated as fast shoreline. Occasional apparent shallow areas have been so delineated. All structures along the shoreline have been delineated according to field inspection notes; these consist principally of floodgates, dams, water level gages and bridges. The inspection was adequate.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

There are no aids to navigation. One landmark has been shown and submitted on Form 567.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

A satisfactory junction has been made with T-10511 on the east, T-10508 on the north, and T-10512 on the south. This manuscript is in the southwest quarter of the PALMETTO quadrangle and the junction appears satisfactory.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PARISH BOUNDARIES AND NAMES

No boundaries have been shown; reference letter dated 2 April 1959 - Amendment to Instructions, Parish Boundaries, Project Ph-170, Atchafalaya River, La.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with U. S. Corps of Engineers, Army Map Service, Quadrangle PALMETTO, LA., scale 1:62,500, compiled in 1939. The shoreline changes are negligible. Cultural changes consist of abandoned railroads and new gas field. The vegetation remains approximately the same. There are no planimetric maps available for comparison.

47. COMPARISON WITH NAUTICAL CHARTS

None.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

*Rudolph Dossett*  
Rudolph Dossett  
Carto Photo Aid

APPROVED & FORWARDED

*Arthur L. Wardwell*  
Arthur L. Wardwell  
Tampa District Officer

**NON-FLOATING AIDS OR LANDMARKS FOR CHARTS**

TO BE CHARTED  
~~TO BE REVISED~~  
~~OR DELETED~~

STRIKE OUT TWO

Tampa Photogrammetric Office 11 Feb. 1960

I recommend that the following objects which have *(Ship/Ship)* been inspected from seaward to determine their value as landmarks be charted on *(Ship/Ship)* the charts indicated.

The positions given have been checked after listing by

**Rudolph Bossett**

**Arthur L. Wardwell** Chief of Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED					
				LATITUDE*		LONGITUDE*				HARBOR CHART	INSHORE CHART	OFFSHORE CHART			
				D.M. METERS	"	D.P. METERS	"			DATUM					
LOUISIANA	TAMU	(Elev.) steel ht= 137 165 ISL		30 32	11.59	357	91 45	12.04	321	U.A. 1927	Photo plot T-10510	June 1957*			No charts
		*Date taken from field inspection, as shown on field photograph, no day of month available.													

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

\* TABULATE SECONDS AND METERS

49. NOTES FOR THE HYDROGRAPHER

None.

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 10510

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

CONTROL STATIONS

Classification label Unclassified

- 5. Horizontal control stations of third-order or higher accuracy RRW
- 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) RRW
- 7. Photo hydro stations XX
- 8. Bench marks XX
- 9. Plotting of sextant fixes XX
- 10. Photogrammetric plot report Office
- 11. Detail points RRW

ALONGSHORE AREAS

(Nautical Chart Data)

- 12. Shoreline RRW
- 13. Low-water line XX
- 14. Rocks, shoals, etc. RRW
- 15. Bridges RRW
- 16. Aids to navigation XX
- 17. Landmarks RRW
- 18. Other alongshore physical features RRW
- 19. Other along-shore cultural features RRW

PHYSICAL FEATURES

- 20. Water features RRW
- 21. Natural ground cover RRW
- 22. Planetable contours XX
- 23. Stereoscopic instrument contours XX
- 24. Contours in general XX
- 25. Spot elevations XX
- 26. Other physical features RRW

CULTURAL FEATURES

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

BOUNDARIES

- 31. Boundary lines XX
- 32. Public land lines XX

MISCELLANEOUS

- 33. Geographic names RRW
- 34. Junctions RRW
- 35. Legibility of the manuscript IIS
- 36. Discrepancy overlay XX
- 37. Descriptive Report RRW
- 38. Field inspection photographs RRW
- 39. Forms RRW

40. Robert R. Wagner Reviewer  
 40. Milton M. Slavney Supervisor, Review Section of Unit  
 Milton M. Slavney

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

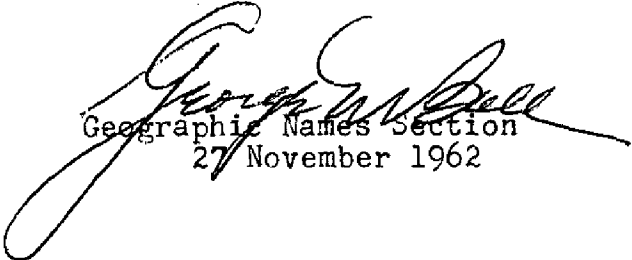
\_\_\_\_\_  
Supervisor

43. Remarks:



48. Geographic Names List

Atchafalaya River  
Atchafalaya River Basin Floodway  
Bayou Big Graw  
Bayou Duquesne  
Bayou Gerimond  
Bayou Slabeau  
Bayou Tuntier  
Big Bayou de Grasse  
Big Darbonne Bayou  
Brushy Bayou  
Courtableau  
Courtableau Bayou  
Darbonne Bayou  
Half Moon Bayou  
Krotz Springs  
Latania Bayou  
Little Bayou de Grasse  
Little Darbonne Bayou  
Sandy Bayou  
Slow Bayou  
State Canal  
Three Mile Bayou  
Two Mile Bayou

  
Geographic Names Section  
27 November 1962

REVIEW REPORT  
of PLANIMETRIC MANUSCRIPTS  
T-10510 thru T-10514, T-10516 and T-10517

January 1963

61. General Statement

These are seven (7) 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

Cow Bayou, La.	1:24,000	U.S.G.S.	1953
Maringouin, La.	1:62,500	U.S.G.S.	1959
Arnaudville, La.	1:62,500	C of E	1940
Fordoche, La.	1:62,500	C of E	1959
Palmetto, La.	1:62,500	C of E	1959

The above maps are in close agreement and no differences of importance exist.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

None

66. Accuracy of Results and Future Surveys

These maps were prepared as bases for Nautical Charts and are within the standards of map accuracy.

Reviewed by:

L. C. Lande  
L. C. Lande

Approved by:

Charles L. Hunter Chief, Cartographic Br.      Gene S. Taylor Chief, Nautical Chart Division

J. E. Vaughn Chief, Photogrammetry Division      4/24/63      Harold D. Connerly Chief, Operations Division

