

10508

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-10508
LOCALITY	
State	LOUISIANA
General locality	ATCHAFALAYA RIVER
Locality	MELVILLE - WEST
<u>19 56-57</u>	
CHIEF OF PARTY	
Ira R. Rubottom	Chief of Field Party
Arthur L. Wardwell	Tampa District Office
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

10508

DESCRIPTIVE REPORT - DATA RECORD

T - 10508

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): **Field: 4 December 1956**

Copy filed in Division of

Field Supplement 1: 15 January 1957

Photogrammetry (IV)

Field Supplement 2: 14 March 1957

Office: 21 June 1957

Office amendment: 2 April 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):

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): **LEVEE, 1935**

Lat.: **30°39'15.602" (480.4m.)** Long.: **91°45'04.321" (115.0m.)**

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

Field Inspection by (II): **Martin C. Moody**

Date: **July 1957**

Planetable contouring by (II): **Inapplicable**

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location):

- **Air Photo Compilation**

Date of Photography: **15 October 1956**

Projection and Grids ruled by (IV): **J. B. Phillips (W.O.)**

Date: **6/27/57**

Projection and Grids checked by (IV): " "

Date: "

Control plotted by (III): **Portland Photo. Office**

Date:

Control checked by (III): **Portland Photo Office**

Date:

Radial Plot or Stereoscopic
Control extension by (III): **Portland Photo Office**

Date:

Stereoscopic Instrument compilation (III):
Planimetry
Contours **Inapplicable**

Date:

Date:

Manuscript delineated by (III): **R. Dossett**

Date: **May 1959**

Photogrammetric Office Review by (III): **W. H. Shearouse**

Date: **June 1959**

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

4

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

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
54955	15 Oct. 1956	1404	1:20,000	
54956	"	1405	"	
54957	"	1406	"	No periodic
54958	"	1407	"	
54979	"	1432	"	tide
54980	"	1433	"	
54981	"	1434	"	
54982	"	1435	"	

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): 61

Shoreline (More than 200 meters to opposite shore) (III): 58 lin. mi.

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

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 21 Recovered: 6* Identified: 5**

Number of BMs searched for (II): None Recovered: - Identified: -

Number of Recoverable Photo Stations established (III): 0

Number of Temporary Photo Hydro Stations established (III): 0

Remarks:

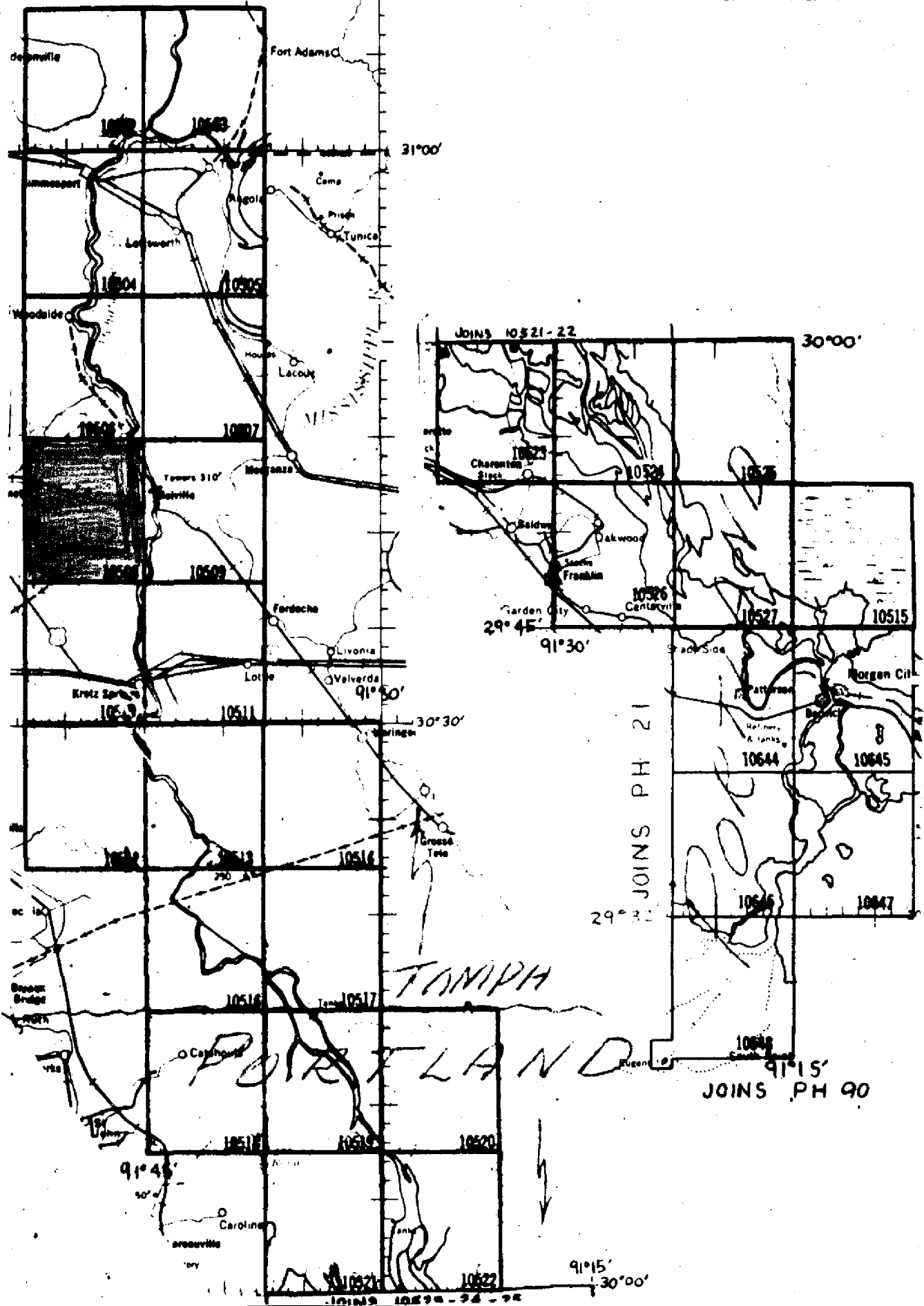
- * Four are west of project limits
- ** Three identified stations are west of project limits

PLANIMETRIC PROJECT PH170

5.

Atchafalaya Bay to Mississippi River, La.

Sheet 1 of 2



FIELD INSPECTION REPORT
PROJECT 170
MAPS T-10508, T-10509, T-10510 and T-10511

2. AREAL FIELD INSPECTION

This area, with the exception of the easterly parts of Maps T-10509 and T-10511, are within the Atchafalaya Basin Floodway.

The Atchafalaya River and its adjacent guide levees enter the area in the northeast corner of T-10508 to meander in a southerly direction to leave Map T-10510 in the southeast corner. The river and guide levees along with the small towns of Melville and Krotz Springs and the outer protection levees are the salient features.

Petroleum, as evidenced by the many cross country pipe lines, is the chief industry. Some farming of cotton and corn is accomplished on a small scale. The lumber industry, once important, is now practically non-existent.

The area is adequately served by a system of hard surface and secondary roads, and by the Missouri Pacific and Texas Pacific Railroads. There are no shipping facilities at either Melville or Krotz Springs.

The many abandoned railroads as shown on the Mississippi River Commission maps are no longer evident either upon the ground or on the photographs.

Photograph quality was excellent; no 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:

<u>T-10508</u>	<u>T-10509</u>	<u>T-10510</u>	<u>T-10511</u>
54955	54896	54953	54894
54956	54897	54954	54895
54957	54898	54955	54896
54980	54930	54982	54932
54981	54931	54983	54933
54982	54932	54984	54934

3. HORIZONTAL CONTROL

All Bureau stations plotted on the project diagram were searched for and reported on Form 526.

Stations reported as lost are as follows:

T-10508

LEVEE, 1935

T-10509

NEW ROADS W. BASE "B", 1929
NEW ROADS W. BASE "D", 1930
SURVEY MARK: "U. S. ENGINEERS DEP'T. NEW ORLEANS RIVER DIST.", 1930.

T-10510

PORT BARRE, CATHOLIC CHURCH, SPIRE, 1935

T-10511

None.

No supplemental control was established.

All control searched for, recovered and identified was established by this bureau or the Corps of Engineers.

In order to meet the identification requirements as specified on the project diagram it was necessary to identify four traverse stations which were established by the Corps of Engineers subsequent to 1949 and were not included with original project data. These stations are located along the tops of the levees and were reported to be of third-order accuracy. They are as follows:

T-10508

164, USE
200, 1952 USE

T-10510

15, USE
LEVEE STATION 1663 / 53.7, USE

East of quadrangle T-10509 station BM 12A = PLAUCHE, USE was substituted for stations NEW ROADS W. BASE "A" 1929, and NEW ROADS W BASE, 1929. The wings of the photographs of the most eastern flight line had been removed and were in storage. They were destroyed in the hurricane of 27th of June.

4. VERTICAL CONTROL

Not applicable.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

Drainage is by perennial streams, ditches and canals. The majority of the drainage is self evident on the photogrpahs. The drainage has been stereoscopically examined and classified where necessary to aid compilation.

Many of the small streams and bayous have become extinct due to the

stoppage of the flow of water by levees and fills which have been constructed to control flooding.

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 along the Atchafalaya River was inspected from a skiff. The entire shore line is fast, there is no apparent shoreline. The mean highwater, with the exception of the time that the river is in a flood stage, is at the foot of the bluffs along the river.

There being no periodic tide in the area, there is no true foreshore. Water level fluctuations result only from flooding.

The bluffs are adequately covered by field inspection notes on the photographs.

There are no docks, wharves or piers along the river. The shore ends of all submarine cables and pipelines have been identified on the field photographs.

8. OFFSHORE FEATURES

There are no offshore features.

9. LANDMARKS AND AIDS

Four landmarks for charts have been recommended on Form 567. There are no aids to navigation.

10. BOUNDARIES, MONUMENTS AND LINES

The boundary between St. Landry and Pointe Coupee Parishes affect these maps. As the boundary follows the thread of the stream of the Atchafalaya River it has not been delineated on the photographs.

There is no legal description of the City Limits of the towns of Melville or Krotz Springs. The city Limits of these two towns were placed on the photographs with the aid, and information, of local government officials.

See "Special Report, Boundaries, Project 170, Part 2 of 3."

11. OTHER CONTROL

No other control was established.

12. OTHER INTERIOR FEATURES

Roads and buildings were classified in accordance with Reference 5441 and 5446 of the Topographic Manual, Part II and project instructions.

All wells are either oil, gas or injection wells. One well often produces both gas and oil. All tanks, near the wells, are oil tanks unless otherwise classified.

The airstrip located in Map T-10508 is privately owned and suitable only for small aircraft.

Due to the lack of tide data in the area, short fly level lines were run from recoverable bench mark to the bridges and the overhead pipe line which cross the Atchafalaya River. The clearance of these structures have been noted on the photographs with their clearances above water level with the time and date, and their clearances above mean sea level.

The Missouri Pacific Railroad bridge at Krotz Springs is reported to have been altered in the past four years. This may be the reason for the large discrepancy which exists in the clearances as noted below.

The clearances of the bridges and overhead pipeline above mean sea level as computed in the field are as follows:

Miles above Mouth	Nearest Town	Owner	Type	Horiz. Clearance				Vert. Clearance	
				Bridge Book		Measured		Bridge Book	Measured
95.7	Krotz Springs	Missouri Pacific R. R.	SW	L. 129	R. 129	L. 133.8	R. 131.5	38.6	45.6 ft. MSL
96.3	Krotz Springs	La. State Hwy.	F	475.5		475.3		79.4	79.7 ft. MSL
107.4	Melville	Texas & Pacific R. R.	VL	160		162.0		50.2	51.2 ft. MSL
Overhead cable (above R. R. Bridge at Krotz Springs)									94.6 ft. MSL
Overhead pipe line (1.3 miles N of R. R. Bridge at Melville)									104.0 ft. MSL

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project 170, Part 2 of 3."

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Special Report, Boundaries, Project 170. Part 2 of 3, to be submitted at a later date.

Special Report, Geographic Names, Project 170, Part 2 of 3, to be submitted at a later date.

Forms 567, Landmarks for Charts, to be submitted at a later date.
Data, Maps T-10509, T-10510 and T-10511.

Submitted:

Martin C. Moody
Martin C. Moody
Cartographic Survey Aid

Approved:

Ira R. Rubottom
Ira R. Rubottom
Chief of Party

MAP T. 10508

PROJECT NO. Ph-170

SCALE OF MAP 1:20,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y -COORDINATE LONGITUDE OR x -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		METERS per DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		DISTANCE PER MINUTE PERFORMANCE FROM GRID OR PROJECTION LINE IN METERS
			FORWARD	(BACK)	FORWARD	(BACK)		FORWARD	(BACK)	
164 (USE) x	USE Traverse, W.A.R.L. Sheet 13	N.A. 1927	30 44	12.927			30.795	398.1	1449.6	1847.7
Ditto	Office Comp.	"	30 44	27.832			26.602	740.4	855.7	1596.1
Sub. Pt.			91 45					369.8	1477.9	
200 (USE) 1952 x	USE Traverse, W.A.R.L. Sheet 13	"	30 38	36.656			30.794	1128.8	718.9	1847.7
Ditto	Office Comp.	"	91 45	08.390			26.628	223.4	1374.3	1597.7
Sub. Pt.			30 38					1204.1	643.6	
			91 45					236.5	1357.1	
SAWYER, 1935 x	G.P. Page II, 8	"	30 37	57.736			30.794	1777.9	69.8	1847.7
Ditto	Office Comp.	"	91 53	24.214			26.630	647.8	953.0	1597.8
Sub. Pt.			30 37					1758.2	89.5	
			91 53					758.1	839.7	
LEBEAU, 1941 x	G.P. Page II 82	"	30 42	15.749			30.795	485.0	1362.7	1847.7
Ditto	Office Comp.	"	91 56	20.887			26.611	555.8	1040.8	1596.6
Sub. Pt.			30 42					437.3	1410.4	
			91 56					471.5	1125.1	
BM PALMETTO	USE PALMETTO QUAD. Page 9	N.A.	30 43	02.082 *			30.795	64.1 *	1783.6 *	1847.7
Ditto	Office Comp.	"	91 53	33.824 *			26.608	900.0 *	696.5 *	1596.5
Sub. Pt.			30 43					47.9	1799.8	
			91 53					889.0	707.5	
LEVEE, 1935 x	G.P. Page II 8	"	30 39	15.602			30.794	480.4	1367.3	1847.7
Ditto	Office Comp.	"	91 45	04.321			26.625	115.0	1482.5	1597.5
Sub. Pt.			30 43					51.0	1796.7	1847.7
			91 53					1224.0	372.5	1596.5

COMPILATION REPORT
T-10508

PHOTOGAMMETRIC PLOT REPORT

Submitted by Portland Photo Office. Desc. Report T10527

31. DELINEATION

Compiled by graphic method.

The photographs were clear and of reasonably good scale. Some tilt, however, was present in all photographs.

Cultural details were readily identifiable and field inspection was adequate. Due to dense woodland coverage, some streams were not traceable (in their entirety). The obscured portions of these streams are shown as "P.D.U." (Probable Drainage, Unsurveyed)

32. CONTROL

See Photogrammetric Plot Report submitted by Portland Photo Office.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage has been delineated as shown on photographs.

Reference Item 5.

35. SHORELINE AND ALONGSHORE DETAILS

The field inspector classified all the Atchafalaya River shoreline and provided sufficient notes on the shoreline of other streams to make interpretation easy.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

A satisfactory junction has been secured with T-10506 on the north, T-10509 on the east, and T-10510 on the south. There is no contemporary survey on the west. This survey lies within the NE part of Corps of Engineers quadrangle PALMETTO. The junction appears to be satisfactory.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PARISH BOUNDARIES AND NAMES

Not shown, in accordance with letter from Chief, Photogrammetry Division 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, topographic quadrangle PALMETTO, LA., scale 1:62,500, edition of 1939. No outstanding discrepancies were noted.

47. COMPARISON WITH NAUTICAL CHARTS

Not covered by nautical charts.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.


Rudolph Dossett
Carto-Photo Aid

Approved and Forwarded:


Arthur L. Wardwell
Chief of Party



49. NOTES FOR THE HYDROGRAPHER

None.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 10508

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

Classification Label Unclassified

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines WHS 32. Public land lines XX

MISCELLANEOUS

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

40. William H. Shearouse
Reviewer
William H. Shearouse

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.

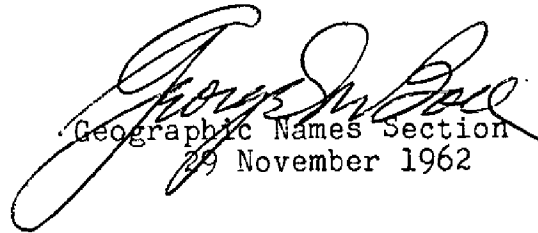
Compiler

Supervisor

43. Remarks:

48. Geographic Names:

Atchafalaya River
Bad Bayou
Bayou Ha Ha
Bayou Petite Prairie
Bayou Rouge
Bayou Tawpaw
Big Bayou
Blind Bayou
Burtons Lake
Cow Bayou
Goodwood
Keith Lake
Loggy Bayou
Melville
Misery Bayou
Negro Foot Bayou
Second Lake
Sandy Bayou
Side Lake
State Canal


Geographic Names Section
29 November 1962

REVIEW REPORT
OF PLANIMETRIC MANUSCRIPTS
T-10502 thru T-10509

February 1963

6. General Statement

These are eight (8) of thirty-one (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

None

63. Comparison with Maps of other Agencies

Voorhies, La.	1:62,500	CofE	1941
Artonish, La.	1:62,500	CofE	1953
Odenburg, La.	1:62,500	CofE	1955
Batchelor, La.	1:62,500	CofE	1955
Palmetto, La.	1:62,500	CofE	1959
Fordoché, La.	1:62,500	CofE	1959
See Item 46			

64. Comparison with Contemporary Hydrographic Surveys

There are no contemporary hydrographic surveys within the limits of these manuscripts.

65. Comparison with Nautical Charts

None

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.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles Chasson
Chief, Cartographic Branch

Leone G. Taylor
Chief, Nautical Charts Division

J. E. Waugh 4/5/63
Chief, Photogrammetry Division

Wesley S. Conely
Chief, Operations Division

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-10508

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.

2. In "Remarks" column cross out words that do not apply.

3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
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