10502

ORIGINAL

Diag. Cht. No. 1.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC

Field No. Ph-170 *Office No.* T-10502

LOCALITY

State LOUISIANA

General locality BAYOU DES GLAISES

Locality BIG BEND

19 56-57

CHIEF OF PARTY

Ira R. Rubottom, Chief of Field Party
Arthur L. Wardwell, Tampa District Officer

LIBRARY & ARCHIVES

DATE

USCOMM-DC 5087

10502

FORM 181
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T - 10502

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
Supplement 1 (field) - - - -15 January 1957
Supplement 2 (field) - - - -14 March 1957
Office -21 June 1957
Amendment (Office) - - - - - 2 April 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): JUN 22 1960 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): DE GLAISE 1919

Lat.: 31°04'01.758" (54.1m.) Long.: 91°47'32.631" (865.1m.) 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.

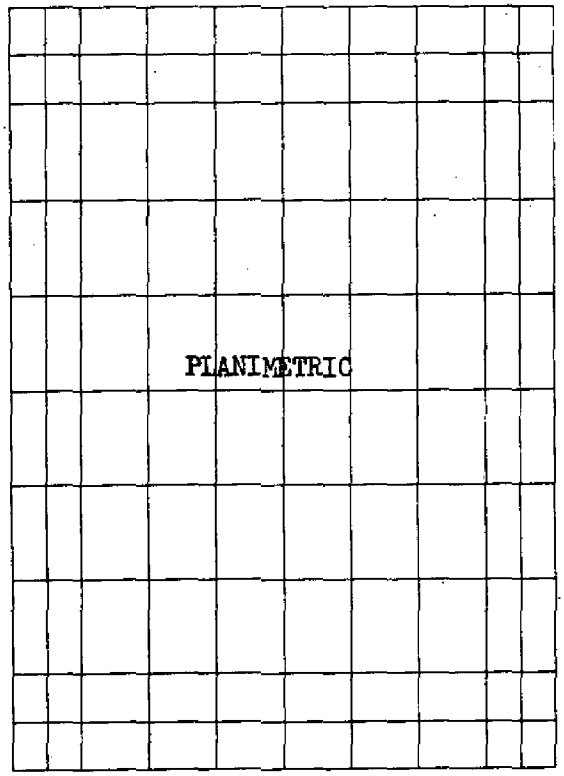
When entering names of personnel on this record give the surname and initials, not initials only.

COMM-DC-57842

FORM 181a
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD



Areas contoured by various personnel
(Show name within area)
(II) (III)

Inapplicable

FORM 181b
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): Leo F. Beugnet Date: September 1957

Planetable contouring by (II): Inapplicable Date:

Completion Surveys by (II): Inapplicable 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. C. Haskins (W.O.) Date: October 1957

Projection and Grids checked by (IV): I. Y. Fitzgerald (W.O.) Date: November 1957

Control plotted by (III): Portland Office Date: September 1958

Control checked by (III): Portland Office Date:

Radial Plot ~~or Stereoscopic Control extension~~ by (III): Portland Office Date:

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

Manuscript delineated by (III): Rudolph Dossett Date: September 1959

Photogrammetric Office Review of map manuscript by (III): I. I. Saperstein Date: February 1960

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

COMM-DC-57842

FORM 181c
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

4.

DESCRIPTIVE REPORT - DATA RECORD

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

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
54963	15 October 1956	1413	1:20,000	N
54964	"	1414	"	o T
54965	"	1415	"	i
54972	"	1425	"	d
54973	"	1426	"	e

Tide (III)

No tide

Ratio of Ranges	Mean Range	Spring Range

Reference Station:
Subordinate Station:
Subordinate Station:

Washington Office Review by (IV): Date:

Final Drafting by ~~(V)~~: R. E. Smith, Jr., Tampa District Office Date: May 1960
" " reviewed by: W. H. Shearouse " " " June 1960

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 59
Shoreline (More than 200 meters to opposite shore) (III): 38
Shoreline (Less than 200 meters to opposite shore) (III):
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 11* Recovered: 5** Identified: 4***-
Number of BMs searched for (II): -- Recovered: -- Identified: --
Number of Recoverable Photo Stations established (III): 0
Number of Temporary Photo Hydro Stations established (III): 0

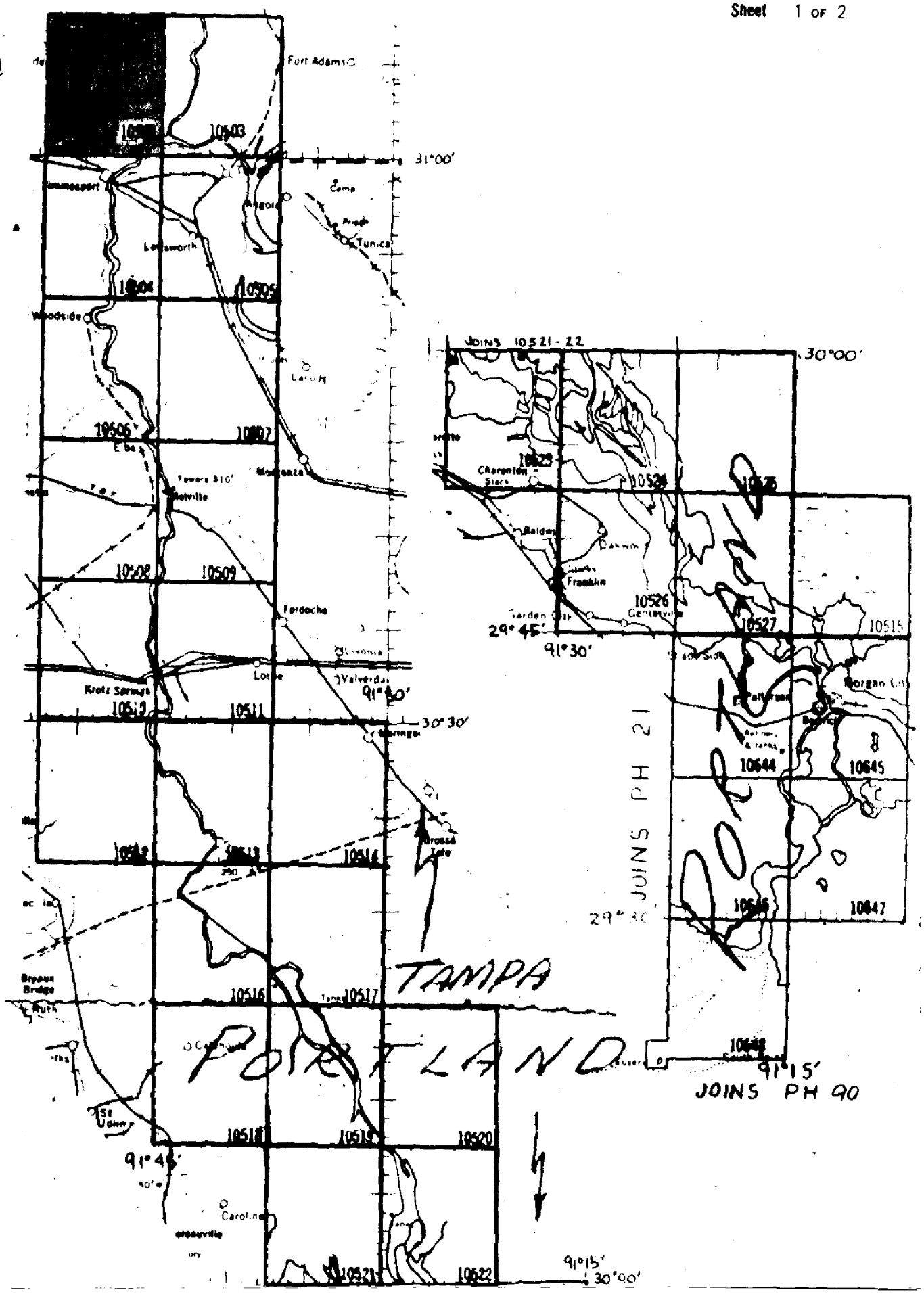
Remarks: * Including 6 stations outside project limits
** Including 3 stations outside project limits
*** Including 2 stations outside project limits

COMM-DC-57842

ENGINEERING PROJECT PH170

Atchafalaya Bay to Mississippi River, La.

Sheet 1 of 2



FIELD INSPECTION REPORT

MAPS T-10502, T-10503, T-10504, T-10505, T-10506 and T-10507

2. AREAL FIELD INSPECTION

These maps cover a portion of the Atchafalaya, Red, Old and Mississippi Rivers.

The Red River flows in a southerly direction through the westerly part of Map T-10503 to its junction with the Atchafalaya and Old Rivers. From this junction the Old River flows in an easterly direction through Map T-10503 to its confluence with the Mississippi River in the northeasterly portion of Map T-10505.

From the confluence of the Old, Red and Atchafalaya Rivers in Map T-10503 the Atchafalaya flows in a southerly direction through Maps T-10504 and T-10506.

These Rivers with their adjacent guide levees and the small town of Simmesport in Map T-10504 are the salient features.

Farming, and the raising of cattle, as evidenced by the many fields and pastures are the chief industries. The lumber industry, once important, is now practically non-existent. There are no oil wells or pipe lines within these maps.

The area is adequately served by a system of hard surface and secondary roads, and by the Texas and Pacific Railroad. There are no shipping facilities at Simmesport nor at any other point within the area.

Many of the abandoned railroads as shown on the Mississippi River Commission maps are no longer evident either upon the ground or on the photographs. Abandoned or dismantled railroads which are still evident have been noted on the photographs.

Some discrepancies exist between the delineated swamp limits and the limits as appear on the topographic maps of the area published by the Mississippi River Commission. These changes are due to the silting that has taken place and to the levees which have blocked the drainage of small streams and swamps.

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:

T-10502	T-10503	T-10504	T-10505	T-10506	T-10507
54963	54903	54960	54901	54958	54899
54964	54904	54961	54902	54959	54900
54965	54905	54962	54903	54960	54901
54972	54921	54963	54924	54977	54927
54973	54922	54974	54925	54978	54928
54974	54923	54975	54926	54979	54929
	54924	54976			

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-10502

BORDELONVILLE, CHURCH SPIRE, 1919
HEATON, 1919
ROOT, 1919
VILLE, 1919

T-10503

COLORED BAPTIST CHURCH BELFRY, 1919
ENGINEER, 1919
ENGINEER BASE, 1919
INCLINE, 1919
NAPLES, 1919

T-10504

NONE

T-10505

ANGOLA, STATE CONVICT FARM, SOUTH END OF BUILDING NEAREST MISSISSIPPI RIVER, 1919
LETTSWORTH "E" 1930
MOREAN, 1929
PBM A (MRC) 1919
ST. JOSEPH, 1919
TORRAS, 1930

T-10506

NONE

T-10507

BATCHELOR, 1919
BATCHELOR "A" (BATCHELOR RM #1), 1929
BATCHELOR "B" 1919
NEW ROADS W BASE "E", 1930
NEW ROADS W BASE "F", 1930
PBM NO 21 (OFFSET) 1930

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 one traverse station which was established by the Corps of Engineers subsequent to 1949 and which was not included with the original project data. This station, namely, 820 ⁄ 17.85, located on top of the levee west of Map T-10506, was reported to be of third-order accuracy.

The geographic position of three stations identified for use in the control of the radial plot are on Memphis datum. These are PBM 96, USE, PBM 99, USE and LUMS POINT SOUTHWEST BASE, USE. The necessary data to place these on North American datum was not available in the field office.

4. VERTICAL CONTROL

Inapplicable.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

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

Many of the small streams, lakes and ponds have become extinct due to the stoppage of the drainage 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 was inspected from a skiff. The entire shoreline is fast, there is no apparent shoreline. The mean high-water line, with the exception of the time that the rivers are at a flood stage, is at the foot of the bluffs along the rivers.

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 rivers. There are no submarine cables or pipelines crossing navigable waters.

8. OFFSHORE FEATURES

There are no offshore features.

9. LANDMARKS AND AIDS

One landmark for charts was located and has been recommended on Form 567.

One aid to navigation located on Old River and ten located on the Mississippi River were located and recommended on Form 567.

These aids are subject to change as the shoreline recedes by erosion. Several of the aids listed in the List of Lights and other Marine Aids, Mississippi River System corrected to January 1, 1957, have already been moved to new locations or discontinued, and additional aids constructed. All aids in position at the time of shoreline inspection were located by photogrammetric methods.

10. BOUNDARIES, MONUMENTS AND LINES

The boundary between the following parishes affect these maps:

1. Avoyelles - Concordia

2. Avoyelles - Pointe Coupee

3. Avoyelles - St. Landry

4. Concordia - West Feliciana

5. Pointe Coupee - West Feliciana

6. Wilkinson County, Mississippi - West Feliciana Parish, Louisiana.

The boundary line between the States of Louisiana and Mississippi affect only the extreme southeast corner of Map T-10503 and the northeast corner of Map T-10505. This boundary line is in the Mississippi River.

There is no legal description of the City Limits of the town of Simmesport. The city limits of this town was placed on the photograph with the aid and information of local government officials.

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

There are no airports or landing fields within the limits of these maps.

The construction of a new canal or spillway, by the Corps of Engineers, which will connect the Mississippi and Red Rivers is in progress in Map T-10503. No information, other than that placed on photographs, was available at the time of field inspection.

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

The clearance of the bridge and overhead cables above mean sea level as computed in the field are as follows:

Miles above mouth	Nearest Town	Owner	Type	Horizontal Clearance				Vertical Clearance	
				Bridge Book		Measured		Bridge Book	Measured
				L	R	L	R		
133.1	Simmesport, Louisiana	L.&.A.Ry. Co. & La. State Hwy. Commission	SW	131.9	132.5	132.0	132.5	63.4	60.2 above MSL

Overhead cable above bridge - - - - - - - - - - - - - - - - - - - 125.7 above MSL
Overhead cable 0.1 miles south of bridge- - - - - - - - - - - 103.7 above MSL

All of the River gages shown on the maps of the Mississippi River Commission were investigated and identified on the photographs when found.

13. GEOGRAPHIC NAMES

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

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Special Report, Boundaries, Project 170, Part 3 of 3.

Special Report, Geographic Names, Project 170, Part 3 of 3.

Forms 567, Landmarks for Charts.

Forms 567, Aids to Navigation.

Data, Maps T-10502, T-10503, T-10504, T-10505, T-10506, and T-10507.

Submitted:

Leo F. Beugnet

Leo F. Beugnet
Cartographer

Approved:

Ira R. Rubottom

Ira R. Rubottom
Chief of Party

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE — COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T-10502 PROJECT NO. Ph 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 FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
CHAUSON, 1919	G 5464	NA	31 02 37.535		30796	1155.9 (691.8)	Not Beyond project
	P II 83	1927	91 57 52.753		26518	1398.9 (192.2)	identified limits
De GLAISE, 1919	II 101	"	31 04 01.758 ✓	✓	30796 ✓	54.1 (1793.6) ✓	✓
			91 47 32.631 ✓	✓	26511 ✓	865.1 (725.6) ✓	✓
DitHo Sub Stn			31 04			43.8 (1803.9 ✓	✓
			91 47			670.4 (920.3 ✓	✓
WILL, 1919	G 923	"	31 04 08.172 ✓	✓	30796 ✓	251.7 (1596.1) ✓	✓
	II 100		91 56 11.918 ✓	✓	26510 ✓	315.9 (1274.7) ✓	✓
DitHo Sub. Stn.			31 04			297.8 (1550.0) ✓	✓
			91 56			267.2 (1323.4) ✓	✓
A 4544 (LGS) USE	Voorhies Quad Y P-3	"	31 06 14.167 ✓	✓	30797 ✓	436.3 (1411.5) ✓	✓
			91 53 59.537 ✓	✓	26501 ✓	1577.8 (12.3) ✓	✓
DitHo Sub Stn.			31 06			528.1 (1319.7) ✓	✓
			91 54			24.7 (1565.4) ✓	✓
BM JARREAU (USE)	Voorhies Quad Y P-5	*	31 06 08.335 ✓	✓	30797 ✓	256.7 (1591.1) ✓	✓ Use with
			91 52 24.739 ✓	✓	26501 ✓	655.6 (934.5) ✓	✓ CAUTION
DitHo Sub Stn			31 06			195.7 (1652.1) ✓	✓ "
			91 52			572.8 (1017.3) ✓	✓

* - This position is NA Datum according to the Voorhies Quad (Y) p 5. However the letter from the N.O. District office dated 11 July 1958 indicates that this position is OK. -

1 FT. = .3048006 METER

COMPUTED BY: JLH DATE 9/9/58 CHECKED BY: DATE

COMM-DC-57843

COMPILATION REPORT T-10502

PHOTOGRAMMETRIC PLOT REPORT

Submitted by Portland Office. Desc Report T10627

31. DELINEATION

Compiled by graphic method.

The photographs were clear but of poor scale.

Field inspection was adequate.

Numerous small ditches draining into Bayou des Glaises were not delineated as there does not appear to be a main drainage pattern. Their primary purpose is draining the cultivated areas along the bayou and it is likely that many of them are changed from season to season.

32. CONTROL

See photogrammetric plot report; sub. pt. BM JARREAU cuts in about 10 meters NE of plotted position.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

Delineated as shown photographically and according to field inspection notes.

There are no low-water or shoal lines.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

A satisfactory junction has been made with T-10503 on the east and T-10504 on the south. There is no contemporary survey on the north or west. This map manuscript represents the southeast quarter of U. S. Corps of Engineers Topographic Quadrangle "VOORHIES, LA." and the junction appears to be satisfactory.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PARISH BOUNDARIES AND NAMES

Reference letter dated 2 April 1959, Amendment to Instructions, Parish Boundaries, Project 170, Atchafalaya River, Louisiana.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with U. S. Corps of Engineers topographic quadrangle VOORHIES, LA., scale 1:62,500. Topography by U. S. Corps of Engineers in 1932, 1935 and 1941; revised by Mississippi River Commission in 1932, 1935 and 1941. No outstanding discrepancies were noted. There are no planimetric maps available for comparison.

47. COMPARISON WITH NAUTICAL CHARTS

No chart available.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Rudolph Dossett
Carto Photo Aid

APPROVED AND FORWARDED

William A. Rasure
for Arthur L. Wardwell
Tampa District Officer

49. NOTES FOR THE HYDROGRAPHER

None.

FORM 182
(6-12-56)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

50

PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT

T- 10502

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

4a. 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 Portland 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 alongshore cultural features WHS

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 XX 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 — Milton M. Slavney

Reviewer — Supervisor, Review Section or Unit

William H. Shearouse — 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
Bayou des Glaises
Bayou des Sots
Bayou Dindy
Bayou la Cheniere
Bayou Pa[illegible]asa
Belson Lake
Big Bend
Cockleburr Bay
Coville Bay
Fish Bayou
[illegible]ish Bayou Lake
Horseshoe Lake
Lake Didier
Lake Guillaume
Lake Marna
Lake Palourde
Marais a Roche
Muscle Lake
Pomme de Terre Swamp
Prairie Bayou
Sutton Lake
Sutton [illegible]idge
Tilden Lake
Zimmer

Geographic Names Section
29 November 1962

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

February 1963

6. 61. 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.	1955
Odenburg, La.	1:62,500	CofE.	1955
Batchelor, La.	1:62,500	CofE.	1955
Palmetto, La.	1:62,500	CofE.	1959
Fordoche, 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

Approved by:

Chief, Cartographic Branch

Chief, Nautical Charts Division

Chief, Photogrammetry Division 4/5/63

Chief, Operations Division

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-10502

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.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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			Drawing No.