

10516

Diag. Cht. Nos. 1 and 1116-2.

Form 604 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric
Field No.	Ph-170
Office No.	T-10516
LOCALITY	
State	Louisiana
General locality	Atchafalaya River
Locality	Atchafalaya
<u>1956-57</u>	
CHIEF OF PARTY I.R.Rubottom, Chief of Field Party A.L.Wardwell, Tampa Photo. Off.	
LIBRARY & ARCHIVES	
DATE	May 1963

USCOMM-DC 5087

10516

DESCRIPTIVE REPORT - DATA RECORD

T - 10516

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 Photogrammetry (IV)
Supplement 1	" 15 Jan. 1957	
Supplement 2	" 14 Mar. 1957	
Amendment	(OFFICE) 21 June 1957	
	" 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): 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): **DELUKE, 1935**

Lat.: **30°17'51.817" (1595.6 m.)** Long.: **91°38'31.882" (852.0 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

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

Date: **May-July 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 Oct. 1956

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

Date: **26 June 1957**

Projection and Grids checked by (IV): **J. B. Phillips**

Date: **26 June 1957**

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

Date: **17 March 1958**

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

Date: **7 May 1958**

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: **Jan. 1960**

of manuscript compilation
Photogrammetric Office Review by (III): **I. I. Saperstein**

Date: **Feb. 1960**

Elevations on Manuscript

checked by (II) (III): **inapplicable**

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
54889	15 Oct. 1956	1243		1:20,000	No
54890	"	1244		"	"
54891	"	1245		"	Periodic
54938	"	1345		"	"
54939	"	1346		"	Tide

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): V. P. Uackowski, Tampa District Office

Date: March 1960

" " reviewed by: W. H. Shearouse, Tampa District Office

March 1960

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 58

Shoreline (More than 200 meters to opposite shore) (III): 80 lineal miles

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

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 8*

Recovered: 6**

Identified: 5**

Number of BMs searched for (II): -

Recovered: -

Identified: -

Number of Recoverable Photo Stations established (III): none

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

Remarks:

* Including two stations west of map

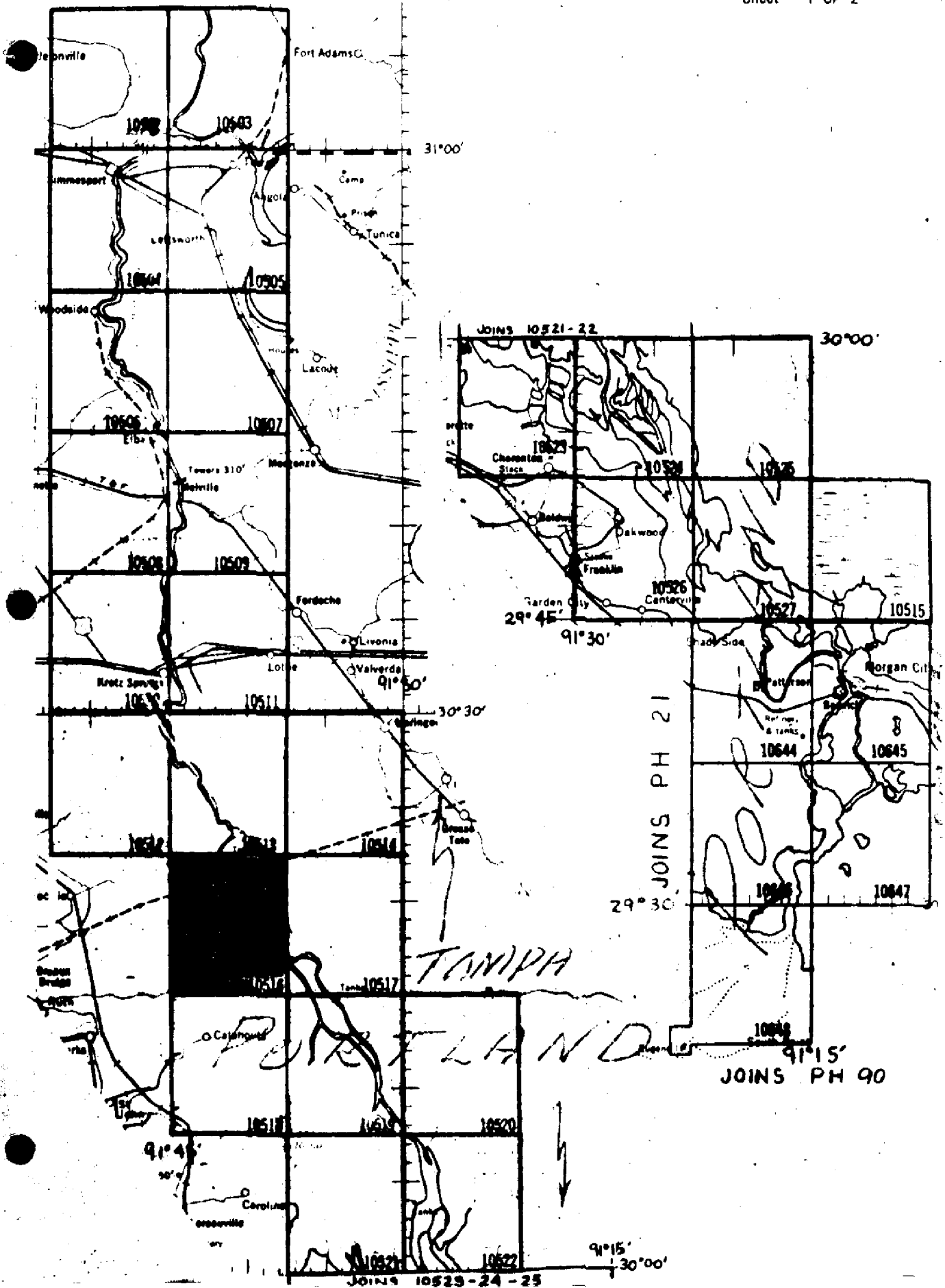
** Including one station west of map

PLANIMETRIC PROJECT PH170

5

Atchafalaya Bay to Mississippi River, La.

Sheet 1 of 2



FIELD INSPECTION REPORT
PROJECT 170
MAP T-10516

Please refer to the Field Inspection Report for Map T-10512
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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 10516 PROJECT NO. 170 SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -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)	
DELUKE, 1935	C&GS G.P. II Page 27	N.A. 1927	30-17-51.817			30.793	1595.6 (252.0)	1847.6	
Ditto	Office	"	91-38-31.882			26.722	852.7 (751.3)	1603.3	
Sub sta	Comp.	"	30-17			30.793	1570.0 (277.6)	1847.6	
PBM JAY (USE)	OS&G General Pam. Surv MK's P. 16	"	30° 22' 06.594			26.722	915.8 (687.5)	1603.3	
Ditto		"	91 38 04.572				203.1 (1644.5)		
Sub station		"	30 22				122.1 (1480.1)		
		"	91 38				184.7 (1662.9)		
		"	91 38				150.5 (1451.7)		
PBM HENRY (USE)	ARMAD WILEY BENTLEY A-20	"	30-18-20-063			30.793	612.1 (1233.5)	1847.6	
Ditto	Office	"	91-45-02-667			47.5	78.8 (1526.4)	1603.2	
Sub sta	Comp	"	30-18			30.793	625.2 (161.7)	1847.6	
GULF STATES UTILITIES TOWER (WEST) 1935	C&GS G.P. VOL II Page 33	N.A. 1927	30-20-46.160			30.793	1421.4 (426.2)	1847.6	
GULF STATES UTILITIES TOWER (EAST) 1935	Ditto	N.A. 1927	91-43-19.252			26.709	514.2 (1088.3)	1602.5	
WEST of 10516 Cont'd plotted HENDERSON (USE) 1935	G.P. Page 33	N.A. 1927	30-20-50.595			30.793	1558.0 (289.6)	1847.6	
BUTTE LA FERRIERE (USE) 1935	G.P. Page 33	N.A. 1927	91-43-06.554			26.709	175.1 (1427.4)	1847.6	
Y-11, 1935	G.P. Page 33	N.A. 1927	30-19-14.756			30.793	454.4 (1393.2)	1847.6	
		"	91-48-02-867			26.722	63.2 (1539.7)	1602.9	
		"	30-17-03-005			30.793	92.5 (1755.1)	1847.6	
		"	91-41-09-942			26.722	265.7 (1337.8)	1603.5	
		"	30-20-43-084			30.793	1326.7 (520.9)	1847.6	
		"	91-43-15.944			26.709	725.0 (1477.5)	1602.5	
		"					X Plot		

COMPILATION REPORT T-10516

PHOTOGRAMMETRIC PLOT REPORT

Submitted by Portland Photogrammetric Office Desc. Report T10527

31. DELINEATION

Compiled by graphic method.

The photographs were clear, of fair scale, but tilted.

Cultural details were readily identifiable and field inspection was adequate.

See Item 34 for information on streams.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage has been taken from field inspection and where discernible on the photographs.

Some streams and bayous with geographic names could not be seen on the photographs and are not indicated by the field inspector; (See Item 5 in Field Inspection Report which is bound with the Descriptive Report for T-10512)...consequently, the geographic names and the streams are omitted.

35. SHORELINE AND ALONGSHORE DETAILS

Most of the shoreline of the larger streams is fast shoreline according to field inspection notes. All alongshore details have been delineated from the field inspection, which was satisfactory.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

There are no aids to navigation.

Landmarks are being submitted on form 567.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

A satisfactory junction has been secured with T-10513 on the north and T-10517 on the east. T-10518 on the south is to be compiled in the Portland Office.

A junction has been attempted with Corps of Engineers quadrangle ARNAUDVILLE, 1:62,500, edition of 1940, to the west. The junction of major streams and levee was good. The only difficulty encountered was the junction of marsh between latitude 30°18.5" to 30°20'.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PARISH BOUNDARIES AND NAMES

Not shown, in accordance with 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 topographic quadrangle OSCA BAYOU, LA., scale 1:62,500, edition of 1955. No outstanding discrepancies were noted.

There are no planimetric maps available for comparison.

47. COMPARISON WITH NAUTICAL CHARTS

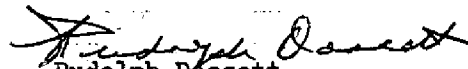
No chart available.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY


None.

ITEMS TO BE CARRIED FORWARD

None.


Rudolph Dossett
Carto Photo Aid

APPROVED AND FORWARDED


Arthur L. Wardwell
Tampa District Officer

49. NOTES FOR THE HYDROGRAPHER

None.

50.

PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT

T. 10516

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 IIS 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 XX

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 WHS 18. Other alongshore physical features WHS 19. Other along-shore 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 XX 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 MMS 38. Field inspection photographs WHS 39. Forms WHS

40. William H. Shearouse

Reviewer
William H. Shearouse

Milton M. Slavney

Supervisor, Review Section or 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:

PHOTOGRAMMETRIC REVIEW BRANCH

~~NONFLUORESCENT/ADVISOR~~ LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE REVIEWED~~
~~TO BE RELEASED~~

STRIKE OUT TWO

10 March 1960

Tampa, Florida

I recommend that the following objects which have ~~(144 160)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(144 160)~~ the charts indicated.

The positions given have been checked after listing by Edolph Dessott

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE*		LONGITUDE*							
				°	'	°	'						
LOUISIANA													
	<u>ATCHAFALAYA RIVER</u>												
	TOWER	(Steel, transmission) ht = 220 254 MSL		30 22	05.10 157	91 38	08.05 215	H.A. 1927	Photo Plot T-10516	*AUG 1957			-
	TOWER	(Steel, transmission) ht = 220 256 MSL		30 21	59.49 1832	91 30	29.96 800	"	"	"			-
	TOWER	(GULF STATES UTILITIES TOWER EAST, 1935) ht = 173 202 MSL		30 20	50.595 1558.0	91 43	06.554 175.1	"	Triang T-10516	*JUNE 1957			-
	TOWER	(GULF STATES UTILITIES TOWER WEST, 1935) ht = 173 202 MSL		30 20	46.160 1421.4	91 43	19.252 514.2	"	"	"			-
		*Date taken from field inspection photograph											

Arthur L. Hardwell
Chief of Party

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

48. Geographic Names:
(10516)

Atchafalaya
Atchafalaya Basin Floodway
Atchafalaya Basin Main Canal
Atchafalaya River
Bayou Berard Drainage Canal
Bayou des Glaises
Bayou des Ourses
Bayou La Rose
Bayou Mal Boeuf
Bayou Sirius
Butte La Rose
Butte La Rose Cutoff
Butte La Rose Bay
Cow Island
Cow Island Lake
Little Atchafalaya River
Little Bayou des Ourses
Opelousas Bay
Warner Lake
Whiskey Bay Pilot Channel
Upper Grand River
(10517)
Alligator Lake
Atchafalaya Basin Floodway
Atchafalaya Basin Main Channel
Bayou Bouillon
Bayou Brown
Bayou des Glaises
Bayou Henry
Bayou La Rompe
Bayou Magnolia
Bayou Maringouin
Bayou Sirius
Billy Little's Lake
Bristow Bayou
Cow Bayou
Cow Island
Cow Island Cutoff
Cow Island Lake
East Fork Bayou des Glaises
Johnson Lake
King Ditch
Little Atchafalaya River
Old Channel
Pats Throat
Standard Canal
Straight Bayou
Upper Grand River
Whiskey Bay Pilot Channel Extension

George W. Ball
Geographic Names Section
20 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. Lenoir
Chief, Cartographic Br.

Samuel G. Taylor
Chief, Nautical Chart Division

J. W. Wough 4/24/63
Chief, Photogrammetry Division

Horace S. Conerly
Chief, Operations Division

