

10648

orig

Diag. Cht. No. 1276-2.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC (REVISION)
Field No.	Ph-170
New No.	T-10648
Office No.	2-9852
LOCALITY	
State	Louisiana
General locality	Atchafalaya Bay
Locality	Lower Atchafalaya River
1956-57	
CHIEF OF PARTY	
Ira R. Bubottom	Chief of Party
V. Ralph Sobieralski, Photogrammetric Unit	
LIBRARY & ARCHIVES	
DATE	May 1963

CGMM-DC 61300

10648

DESCRIPTIVE REPORT - DATA RECORD

T-9031 (New No. T-10648)
(Revision)

Project No. (II): ~~25170~~ PH 170
Quadrangle Name (IV):

Field Office (II): **Morgan City, Louisiana** Chief of Party: **Ira R. Rubottom**
Photogrammetric Office (III): **Portland, Oregon** Officer-in-Charge: **V. Ralph Sobieralski**

Instructions dated (II) (III):
II 4 December 1956 Copy filed in Division of
Supplement I, 14 March 1957 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): **OCT 3 - 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):
Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (S) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): **DYSON, 1933**

Lat.: **29° 29' 46.082"** Long.: **91° 21' 09.832"** Adjusted **X**
Unadjusted

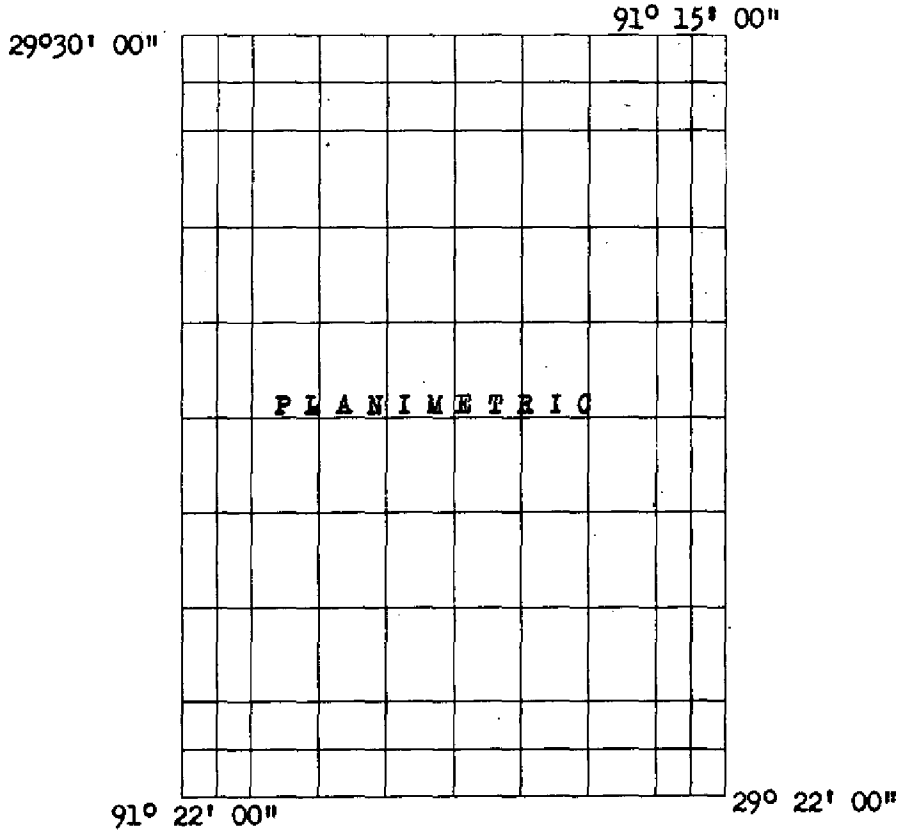
Plane Coordinates (IV): State: Zone:

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): **James E. Johnson**

Date: **March 1957**

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): **Field inspection March 1957 and graphic compilation.**

Projection and Grids ruled by (IV): **Reproduction of original T-9031**

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III): **Plotting was done on original T-9031**

Date:

Control checked by (III):

Date:

Radial Plot or Stereoscopic Control extension by (III): **J. L. Harris**

Date: **9-25-57**

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): **D. N. Williams (Planimetry Revision)**

Date: **9-27-57**

Photogrammetric Office Review by (III): **J. E. Deal**

Date: **12-3-57**

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

5.

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

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
54773 thru 54775	10-15-56	10:30	1:20,000	1.0' above M.L.W. (Tide is mainly diurnal)

Tide (III)

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

Ratio of Ranges	Mean Range	Spring Range
	1.0	1.4
	1.1	1.9

Washington Office Review by (IV):

L. C. Lande

Date: *Nov 1962*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

***Revision of**

Land Area (Sq. Statute Miles) (III): 7

Shoreline (More than 200 meters to opposite shore) (III): 12.7

Shoreline (Less than 200 meters to opposite shore) (III): 8

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 3 Recovered: 3 Identified: 0

Number of BMs searched for (II): 6 Recovered: 3 Identified: 1

Number of Recoverable Photo Stations established (III): None

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

Remarks:

Bench marks searched for were tidal bench marks.

FIELD INSPECTION REPORT
MAP T-9031 (REVISION)

2. AREAL FIELD INSPECTION

See original field inspection report for description of the area.

Revision corrections were noted on a print of the manuscript and cross referenced to the appropriate photograph. The following 1:20,000 scale nine lens field photographs were used: 54773 thru 54775. Photograph quality was good; no interpretation difficulties were encountered.

3. HORIZONTAL CONTROL

All Coast and Geodetic Survey horizontal control was searched for and recovered.

No identification was required, no stations were reported lost and no supplemental control was established.

4. VERTICAL CONTROL

Three (3) tidal bench marks were recovered in good condition.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

The drainage has been adequately compiled and no additional information is required.

6. WOODLAND COVER

Woodland cover was classified in accordance with reference 5433Aa, Topographic Manual, Part II, and the project instructions.

7. SHORELINE AND ALONGSHORE FEATURES

Considerable erosion of the bay shore is indicated by comparison of the new photography with the original manuscript and it will have to be redrafted. Other changes have been indicated at various places along the bay shore.

The two canals on the north edge of the map are assumed to be private although they are not so marked.

There are no submerged pipelines or cables crossing the waterways.

8. OFFSHORE FEATURES

The only offshore features are fixed aids to navigation.

9. LANDMARKS AND AIDS

Nineteen fixed aids to navigation in Atchafalaya Bay were located graphically. These aids are either lights of semi-permanent pile construction or single pile day beacons and are frequently destroyed and rebuilt. This plane table sheet was numbered Ph-1-57-A.

There are no landmarks.

10. BOUNDARIES, MONUMENTS AND LINES

No changes were found in existing boundaries nor are there any boundaries to be mapped.

11. OTHER CONTROL

The only recoverable topographic station in the quadrangle, ANDY 1948, has been reported lost. All other control consists of fixed aids to navigation.

12. OTHER INTERIOR FEATURES

Buildings were classified in accordance with reference 5446, Topographic Manual, Part II and the project instructions.

There are no roads, bridges or overhead cable crossings.

13. GEOGRAPHIC NAMES

A systematic investigation of geographic names was not required; there were no discrepancies noted in names as shown on the manuscript.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Form 567, to be submitted at a later date.

Aluminum mounted plane table sheet No. Ph-1-57-A, Fixed Aids to Navigation, Atchafalaya Bay.

Submitted:

James E. Johnson
James E. Johnson
Cartographic Surveyor

Approved:

Ira R. Rubottom

Ira R. Rubottom
Chief of Party

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10648

Project Ph-170

Refer to the Photogrammetric Plot Report for T-10644 thru T-10648 and correspondence which is included in the Descriptive Report for T-10644 (1957).

MAP T-10648 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)
Refer to Descriptive Report for T-9031 (1948).							
							10.

REVISION COMPILATION REPORT

Map Manuscript T-9031 (New No. T-10648)

Project Ph-170

Items 31 thru 34:

Refer to Descriptive Report for T-10644 (1957).

35. Shoreline and Alongshore Features:

The mean high-water line was identified by field inspection, refined by stereoscopic examination of the photographs and compiled graphically. The effect of tide in this area is negligible and the Spring run-off was not considered because the photographs were taken in October. The shoreline inspection was adequate.

Shoal lines are shown in vicinity of Eugene Island. Elsewhere none were delineated. Approximate Low-water lines were not delineated.

36. Offshore Details:

Shell reefs awash at low-water are shown offshore from Eugene Island.

37. Landmarks and Aids:

Forms 567 are submitted for twenty aids to navigation.

These forms conform to the 1956 Atlantic Coast Light List.

6147 is now Light 50 (# 7184) in 1960 Atlantic Coast Light List.

6148 is now # $\begin{matrix} (7185) \\ (6443) \end{matrix}$ in 1960 Atlantic Coast Light List.

6149 is not Light 67 (# 7186) in 1960 Atlantic Coast Light List. The location of this light was changed during compilation.

* Nos. 6150 and 6151 cannot be resolved in this office to the 1960 Atlantic Coast Light List. # 6150 has a new position which was located by sextant fix by the field party. Since this light may not now exist it may be desirable to remove it from the manuscript. See discrepancy overlay. P

* 71957 positions shown on Mans.

(79)
 # 6152 is not Light 93 (# 7190) in 1960 Atlantic Coast Light List.

* All other aids are privately maintained and cannot be resolved to the 1960 Atlantic Coast Light List.

* 1957 Positions shown on maps.

38. Control for Future Surveys:

None.

39. Junctions:

A satisfactory junction was made on the north with T-10646. There are no contemporary surveys to the east, west and south.

Items 40 and 41:

Refer to the Descriptive Report for T-10644 (1957).

46. Comparison with Existing Maps:

Comparison was made with C. of E. 15 minute Point Au Fer, Louisiana quadrangle, Scale 1:62,500, Edition of 1935.

47. Comparison with Nautical Charts:

Comparison was made with Nautical Chart No. 1050, 1st Edition, Revised 2-25-57, Scale 1:175,000 at Lat. 30°.

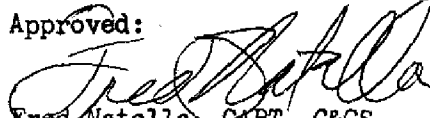
Items to be Applied to Nautical Charts Immediately:

None.

Items to be Carried Forward:

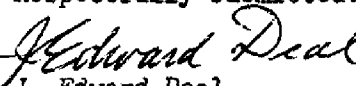
None.

Approved:


 Fred Natella, CAPT, C&GS
 Portland District Officer
 for

V. Ralph Sobieralski

Respectfully submitted:


 J. Edward Deal
 Cartographer

49. Notes to the Hydrographer:

None.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10648

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
 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. None 15. Bridges None 16. Aids to navigation 17. Landmarks None 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 None 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 37. Descriptive Report 38. Field inspection photographs 39. Forms

40. _____
 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.

 Compiler Supervisor

43. Remarks:

NONFLOATING AIDS ~~OR BOUNDARY MARKS~~ FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

Portland, Oregon

15 November, 1957

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks be charted on (deleted from) the charts indicated.

The positions given have been checked after listing by

J. E. Deal

V. Ralph Sobieralski, Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED	
				LATITUDE*		LONGITUDE*		DATUM	OFFSHORE CHART				INSHORE CHART
				°	'	°	'						
LOUISIANA													
	POINT SUPER BEEF LIGHT (6148)			29	22	20.265	91	23	N.A.	1933	1050 HK		
	(EUGENE ISLAND LIGHT, 1933)			29	22	623.9	91	23	1927		1276		
	ATCHAPALAYA CHANNEL			29	22	16.81	91	22			1150 V		
	LIGHT 38 (6147) Note Pg. 2			29	22	517.5	91	22		1957			
	ATCHAPALAYA CHANNEL			29	24	24.50	91	21					
	LIGHT 55 No. 43" (6149)			29	26	763.5	91	21					
	ATCHAPALAYA CHANNEL			29	26	26.81	91	19					
	LIGHT 75 (6150)	"56"		29	26	825.5	91	19					
	ATCHAPALAYA CHANNEL			29	26	42.31	91	18					
	LIGHT 78 (6151)			29	26	1302.5	91	16					
	ATCHALAFAYA RIVER			29	28	52.11	91	16					
	LIGHT 79 (6152)	"1"		29	28	1604.3	91	16					
	The following lights are privately maintained.												
	LIGHT 1			29	26	26.96	91	17					
	DAYBEACON 1			29	26	830.0	91	17					
	DAYBEACON 2			29	26	23.32	91	17					
	DAYBEACON 7			29	26	718.0	91	17					
	DAYBEACON (no number)			29	26	19.37	91	16					
	DAYBEACON 11			29	26	596.5	91	16					
	DAYBEACON 13			29	25	11.32	91	16					
				29	26	348.5	91	16					
				29	26	07.30	91	16					
				29	26	224.6	91	16					
				29	26	02.64	91	16					
				29	26	81.2	91	16					
				29	25	59.19	91	16					
				29	25	1822.4	91	16					
				29	25	27.77	91	16					
				29	25	748.4	91	16					

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. 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

T-10648

48. Geographic Names:

Atchafalaya Bay
Deer Island
Deer Island Bayou
Eugene Island
Little Bay
Little Hog Bayou
Lower Atchafalaya River
Plumb Island
Plumb Island Pass
Plumb Island Point
St. Mary Parish
Shell Island
Shell Island Pass
Terrebonne Parish

George W. Ball
Geographic Names Section
13 April 1962

REVIEW REPORT
of Planimetric Manuscripts T-10644 through T-10648
November 1962

61. General Statement

These are five (5) of 31 planimetric maps of Project PH-170, Atchafalaya River, La. These maps are copies of the 1948 planimetric maps numbered T-10644 (T-9020), T-10645 (T-9021), T-10646 (T-9025), T-10647 (T-9026) and T-10648 (T-9031) revised from nine-lens photographs taken October 1956. These maps were prepared as bases for Nautical Charts and for future hydrographic surveys.

62. Comparison with Registered Topographic Surveys

There was none made during this review, as these maps are reproductions of the 1948 series and revised from the 1956 photography.

63. Comparison with Maps of Other Agencies

Point Au Fer, La.	1:62,500	C.of E.	1957
Morgan City, La.	1:62,500	C.of E.	1955
Belle Isle, La.	1:62,500	C.of E.	1954

There is good agreement throughout between these surveys.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

880	1:40,000	1954 revised to May 1962
881	1:40,000	Sept. 1962
1276	1:80,000	May 1962
1050	1:175,000	1961 revised to Apr. 1962

There are no changes of importance between the charts and the subject manuscripts.

66. Adequacy of Results and Future Surveys

These manuscripts were prepared as bases for Nautical Charts and are within the required accuracy.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Chas. Theurer
Chas. Theurer
Chief, Cartographic Branch

Gen. G. Taylor
Chief, Nautical Chart Div.

J. E. Waugh 3/12/63
Chief, Photogrammetry Div.

Harold S. Connelly
Chief, Operations Division

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. 10648

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
1050	1-6-64	H. J. Keator	Full Part Before After Verification Review Inspection Signed Via LCL Drawing No. <i>Considered not applied REF 2-4-64</i>
1276	5/26/64	John P. Wein	Full Part Before After Verification Review Inspection Signed Via Drawing No.
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