

10644

Diag. Cht. No. 1276-2.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-170 Office No. T-10644

LOCALITY

State Louisiana

General locality Lower Atchafalaya River

Locality Patterson

1956-57

CHIEF OF PARTY

I.R. Rubottom, Chief of Party

V.R. Sobieralski, Portland Photo. Off.

LIBRARY & ARCHIVES

DATE May 1963

USCOMM-DC 5087

10644

DESCRIPTIVE REPORT - DATA RECORD

T-10644 (new number)
T-9020
(REVISION)

PH 170

Project No. (II): ~~25170~~ 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
- II Supplement I, 14 March 1957

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
OCT 3 - 1961

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): X

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): TECHE, 1931

Lat.: 29° 43' 27.966" Long.: 91° 18' 42,700" Adjusted X
Unadjusted

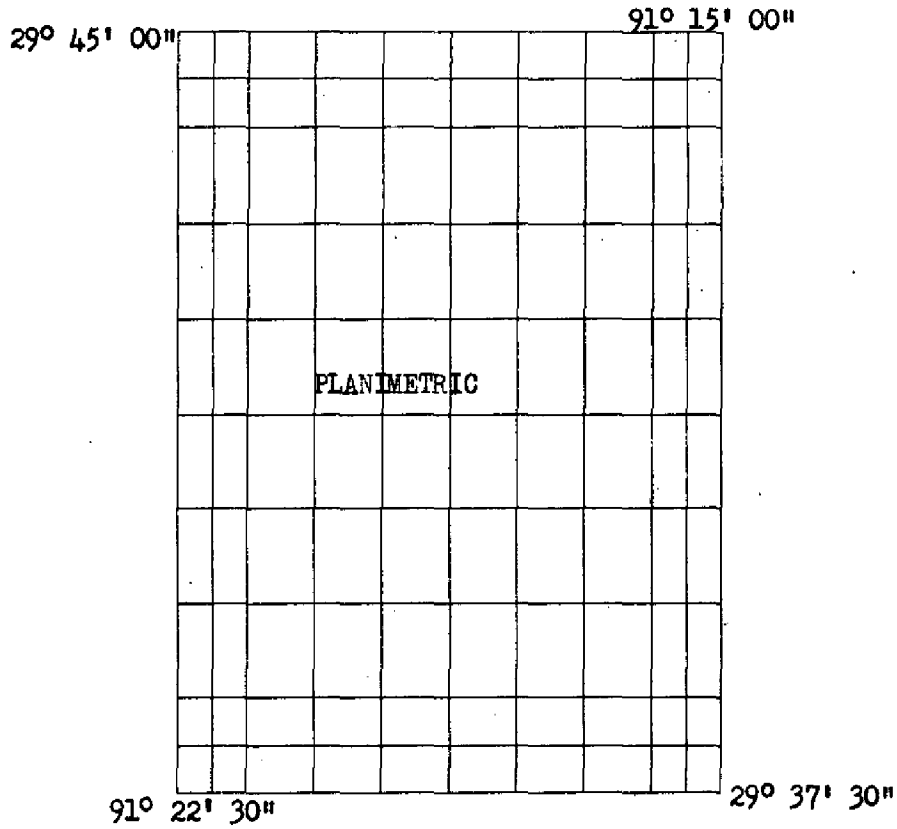
Plane Coordinates (IV): State: Zone:

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

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

5.

(22)

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
54768 thru 54770	10-15-56	10:25		1:20,000	Tide is mainly diurnal. Probably about 0.5' above M.L.W. on this day.
54779 and 54780	"	10:39		"	

Tide (III)

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

Ratio of Ranges	Mean Range	Diurnal
		Spring Range
	1.0	1.4
	1.1	1.9

Washington Office Review by (IV): *LeHande*

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): *64.7 **

Shoreline (More than 200 meters to opposite shore) (III): *9.7 **

Shoreline (Less than 200 meters to opposite shore) (III): *62.0 **

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 11 Recovered: 7 Identified: 4

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

Number of Recoverable Photo Stations established (III): 2

Number of Temporary Photo Hydro Stations established (III):

Remarks:

Bench marks searched for are all Tidal Bench Marks.

FIELD INSPECTION REPORT
MAP T-9020

2. AREAL FIELD INSPECTION

This sheet is entirely within St. Mary Parish. With the exception of the oil fields, the only developed area is that adjacent to Bayou Teche and the Lower Atchafalaya River. This area, along with the Intracoastal Waterway and the town of Patterson, are the only salient features. The remainder of the area is either marsh or swamp.

Revision of the area was accomplished using 1956 nine lens 1:20,000 scale photography. Photography being of recent date and of good quality no difficulty was encountered in their interpretation.

For detail description of the area see Field Inspection Report T-9020, Project Ph-21.

3. HORIZONTAL CONTROL

All stations within the limits of the sheet were searched for and reported on form 526 with the exception of station SATSUMA USE for which there was no description available.

Stations reported as lost on form 526 are as follows:

Patterson Airport Beacon, 1931
2850 ± 19.71 USE
2918 ± 75.48 USE
3017 ± 24.64 USE

4. VERTICAL CONTROL

This phase was limited to the recovery of tidal bench marks.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

With the exception of new canals and ditches the drainage as delineated on the manuscript is adequate and complete. All new canals and ditches have been noted on the photographs.

6. WOODLAND COVER

Woodland cover is as mapped with the exception of a few small areas. These are self evident on the photographs and have been noted on a copy of the map manuscript.

7. SHORELINE AND ALONGSHORE FEATURES

A complete inspection was made of the shoreline along navigable waters. A revision of the shoreline and floodgates at the junction of Bayou Teche and Wax Lake Outlet will be necessary. Many piling and hyacinth booms have been removed along the Intra-coastal Waterway. The shoreline is adequately covered by field inspection notes on the 1956 photography.

The low water line is parallel and close to the mean high water line. No low water line has been indicated on the photographs as for all practicable purposes they coincide.

The foreshore is entirely of mud and is steep. There are no bluffs or cliffs within the area.

All docks, wharves and piers have been indicated on the photographs.

The shore end of all submarine cables and pipelines have been identified on the field photographs.

8. OFFSHORE FEATURES

No offshore features for investigation by the hydrographic party were noted during the course of field work.

9. LANDMARKS AND AIDS

All landmarks, aids to navigation and aeronautical aids have been reported on form 567.

The lantern of Drainage Canal Light 2 (6174) was not on station at the time of shoreline inspection, although the supporting structure was still in place.

10. BOUNDARIES, MONUMENTS AND LINES

There are no Boundaries, Monuments or Lines to be mapped within the limits of this sheet.

11. OTHER CONTROL

The following monumented topographic stations were established:

HARD 1957
JOKE 1957

One natural object, namely, Radio Tower was located as a topographic station.

12. OTHER INTERIOR FEATURES

All roads within the sheet were inspected and classified. Roads to be deleted have been noted on a copy of the map manuscript. Due to a change in the numbering system of state routes, the state route numbers as appear on the manuscript are now in error. State route numbers have been noted on the field photographs.

All buildings for mapping, with the exception of the building within the Patterson urban area, have been circled and classified on the field photographs.

Two overhead cables crossing navigable waters were measured and the clearances are as follows:

<u>Waterway</u>	<u>Lat.</u>	<u>Long.</u>	<u>Vert. Cl.</u>
Lower Atchafalaya River	29° 40.7'	91° 17.5'	76.7 ft.
Wax Lake Outlet	29° 41.8'	91° 22.3'	75.0 ft.

The Harry P. Williams Airport located northwest of the town of Patterson has a single concrete and macadam runway suitable for medium weight aircraft. This airport is now mapped as Williams Memorial Airport.

The clearances of the swing bridge across Bayou Teche, north of the town of Patterson, were found to have been changed. The correct clearances are as follows:

<u>Horizontal clearance</u>	<u>Vertical clearance</u>
61.0 ft.	12.9 ft. above MHW

The above clearances are as computed from data furnished and tide staff readings of the U. S. Army Engineers.

All wells within the area are either oil, gas or injection wells, unless otherwise labeled. One well often produces oil and gas.

Information obtained during the course of field work reveals that some wells which are not producing at present (capped wells) are capable of producing and will be used when needed. In cases where specific information was learned that wells were dry that fact has been so noted on the photographs.

13. GEOGRAPHIC NAMES

No complete investigation of geographic names was made during this survey. During the course of field work no discrepancy in names was noted with the exception of that noted in the preceding paragraph.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Data, Map T-10526, to be forwarded at a later date.

Submitted

Leo F. Beugnet

Leo F. Beugnet
Cartographic Survey Aid

Approved:

Ira R. Rubottom

Ira R. Rubottom
Chief of Party

PHOTOGRAMMETRIC PLOT REPORT


Map Manuscripts T-10644 thru T-10648

Project Ph-170

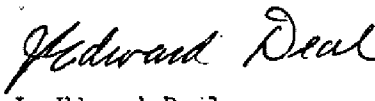
The details of the Photogrammetric Plot completed for these manuscripts are outlined in correspondence, copies of which are included.

- (a) Letter to Chief, Photogrammetry Division, dated 11 Sept. 1957; Subject: Revision of Planimetry, Project Ph-170.
- (b) Letter to Chief, Photogrammetry Division, dated 23 Sept. 1957; Subject: Horizontal Control, Project Ph-170, Morgan City, Louisiana.
- (c) Letter 731-lfs, dated 26 Sept. 1957; Subject: Revision of Planimetry - Project Ph-170, Atchafalaya River, La.
- (d) Letter 731/rab, dated 2 Oct. 1957; Subject: Project Ph-170, Atchafalaya River, La.

Approved:


Fred Natella, CAPT, C&GS
Portland District Officer

Respectfully submitted:


J. Edward Deal
Cartographer

Portland Photogrammetric Office
405 Custom House
Portland 9, Oregon

11 September 1957

AIR MAIL

To: The Chief, Photogrammetry Division
Coast and Geodetic Survey
Department of Commerce
Washington 25, D. C.

Subject: Revision of Planimetry - Project Ph-170;
Atchafalaya River, Louisiana

Reference: (a) Instructions (Office) - Project 25170 -
Atchafalaya River, La., dated 21 June 1957

(b) Paragraph 4.611, Topographic Manual

Paragraph 5.02 of reference (a) requires the revision of five map manuscripts compiled from 1948 photographs. Inspection of the recently completed field inspection shows that the changes are extensive. It is felt that matching the 1956 photography to the 1948 planimetry would result in an unsatisfactory revision. We are, therefore, preparing the photographs for a radial plot to be made as follows.

(1) Inasmuch as only one horizontal control station was field identified, sufficient pass points have been selected for satisfactory orientation of each photograph. These are points of clearly defined detail common to the compiled planimetry and the 1956 photographs. Prominent objects that have been located by triangulation and can be identified positively in the office will also be used to control the plot.

(2) Templates are being drawn with radials of the triangulation, pass points and points selected by the field party to be located by photogrammetric methods.

(3) A radial plot will be made with the obtained black line impressions as a base projection. Office identified triangulation and pass points will be used to control the plot. Adequate locations should be obtained for the points selected by the field party.

(4) Detail points to control the revised planimetry will be selected and located by standard methods.

(a)

Chief, Photogrammetry Division
11 September 1957

- 2 -

Reference (b) requires the field party to furnish forms 524 and 567 for landmarks and fixed aids to navigation. The field party identified on the photographs and furnished identification cards for the following points to be located by photogrammetric methods.

- 14 Aids to navigation
- 7 Landmarks
- 5 Prominent objects presumed to be considered as topographic stations
- 2 Marked topographic stations (Forms 524 furnished)
- 6 Photo points to be used for boundary locations

Forms 524 and 567 for the landmarks and Form 567 for the aids to navigation have not been received. Classification of the five prominent interior objects is in doubt. Both forms should have been submitted if they are to be considered as landmarks.

V. Ralph Sedleralski
LCMR, CACS
Officer-in-Charge

Portland Photogrammetric Office
405 Custom House
Portland, Oregon

23 September 1957

To: The Chief, Photogrammetry Division
Coast and Geodetic Survey
Department of Commerce
Washington 25, D. C.

Subject: Horizontal control, Project Ph-170, Morgan
City, Louisiana

When completing a revision radial plot for map manuscripts T-10644 from T-10643 (new numbers) there were two stations identified in the office from 1957 descriptions as follows:

WAX LAKE OUTLET EAST TRANS. TR. 1948
PBM LAKE (USE) 1946

These stations are located on manuscript T-10644 and lie approximately 300 meters apart.

Geographic positions or previous descriptions for these stations were not furnished and the locations of the stations as plotted on the manuscript were accepted as correct.

The identification of WAX LAKE OUTLET EAST TRANS. TR. 1948 is definite although the tower may have been moved since 1948. In the radial plot an intersection was obtained for this station 10 meters east of the plotted position.

The identification of PBM LAKE (USE) 1946 is not positive, but the station as identified holds without forcing with other office identified horizontal control and the previously compiled planimetry.

It is requested that previous descriptions and geographic positions of these stations be furnished so that this condition may be given further study.

V. Ralph Jobieralski
LCMS C&G Survey
Officer-in-Charge

JED/bpo

(b)



120 YEARS OF SERVICE
1807 - 1927

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
WASHINGTON 25

IN REPLY ADDRESS THE CHIEF,
COAST AND GEODETIC SURVEY
AND NOT THE EDGER OF THIS LETTER

AND REFER TO NO. 731-152

September 1957

To: LCDR V. Ralph Sobieralski
Portland Photogrammetric Office
405 Custom House
Portland 9, Oregon

Subject: Revision of planimetry - Project PH
Atanafalaya River, La.

The methods outlined in our letter of 21 September to control the revision of planimetry on the old planimetric maps is very satisfactory.

All landmarks and fixed aids to navigation must be reported on Form 567. However, no Forms 567 were included with the field records sent here from the field. It is probably CDR Rubottom's intention to submit them as a complete set on completion of the project.

Although all landmarks and fixed aids to navigation, which have not been recovered or established as a triangulation station, are located and designated as recoverable topographic stations, we have been stipulating in our current project instructions to the field that Forms 524 are required only for monumented topographic stations (See par. 10.01, Project Instructions, dated 4 December 1956).

L. H. Swanson, Chief,
Photogrammetry Division

cc: CDR Ira H. Rubottom



U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
WASHINGTON 25

IN REPLY REFER TO THE ORIGINAL
COAST AND GEODETIC SURVEY
AND NOT THE OFFICE OF THE DIRECTOR
AND DATE TO 732/rab

U. S. DEPARTMENT OF SERVICE
1967

2 October 1953

To: Mr. J. P. [unclear] [unclear]
[unclear] [unclear] Office
[unclear] [unclear]
Portland 1, Maine

Subject: Project PH-110, Atchafalaya River, La.

Re: 1) Your letter of 23 and 24 September on
control and boundaries.

Station Max Lake Outlet East Trans Tower is a topo-
graphic and not a triangulation station. Its symboliza-
tion on a triangle on the existing planimetric map T-9020
is incorrect. It was originally described on Form 525 as
a triangulation station, was later converted to a topo-
graphic station. A separate field method of location
was noted third-order accuracy, for Geodesy Division has
no record of it. The description of this station is enclosed
with the field computer position noted thereon. If this
position does not hold in the plot, relocate the tower photo-
grammatically.

Original description for PEM LAKE USE is available
its description extracted from the Descriptive Report on
9020 [unclear] 28 41-52. 22, Long. 91-22 37. 00

Copies of the Descriptive Reports for the planimetric
maps under revision will be forwarded to your office.

On the parish boundary line as indicated on
old planimetric map but adjacent to the revised above
delineated from the new photographs. Enclose copy
of this letter and your letter of 24 September with the
relation report for the revised manuscript. The dis-
crepancy noted in the boundary location will be investi-
gated and resolved when this manuscript is reviewed here.

[Signature]
[Name] Swenson,
Photogrammetry

REVISION COMPILATION REPORT

Map Manuscript T-9020 (New No. T-10644)

Project Ph-170

31. Delineation:

Minor detail points were located by the compiler for use as supplementary points to control the revision of planimetry. Field identified and office identified horizontal control stations were supplemented by the pass points located in the radial plot to control the photographs at the compilation table. The revision of planimetry is extensive and the changes and additions are shown in red plastic ink. Field inspection was in general complete, but it was necessary to delineate many of the changes in planimetric detail in the compilation office. The location of underground pipe lines thru marshy areas was definite, but was assumed thru cultivated fields.

Refer to Discrepancy Overlay for suggested changes since advance manuscript was completed.

32. Control:

The horizontal control as described in photogrammetric plot report and under Item 31 was adequate.

33. Supplemental Data:

None

34. Contours and Drainage:

Contours are not applicable. Drainage not field inspected was interpreted from office photographs during compilation.

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.

There were no low-water or shoal lines field inspected and none were delineated at the compilation office.

36. Offshore Details:

None.

37. Landmarks and Aids:

Forms 567 are submitted for four landmarks, two aeronautical landmarks and one fixed aid to navigation.

The aid to navigation listed conforms to the 1956 Atlantic Coast Light List.

38. Control for Future Surveys:

Forms 524 are submitted for two recoverable topographic stations.

39. Junctions:

Satisfactory junctions were made on the north with T-10527, on the east with T-10645 and on the south with T-10646. There is no contemporary survey to the west.

40. Horizontal and Vertical Accuracy:

Vertical accuracy is not applicable.

The horizontal accuracy is believed to be of standard quality and within the limits outlined in methods described in the Photogrammetric Plot Report.

41. Additional Data:

Refer to copies of correspondence included with this descriptive Report.

- A. Letter dated 5 Sept. 1957, to Corps of Engineers, New Orleans, La., Subject: Request for Bridge Data.

- A1. Letter dated 10 Sept. 1957 from Corps of Engineers, Reply to Reference A.
- B. Ltr. 634/WVP/vw, dated 10 Sept. 1957, Subject: Geographic Position - Idlewild Plantation Water Tank 1931.
- C. Ltr. to Chief, Photogrammetry Division, dated 24 Sept. 1957, Subject: Parish Boundary Lines, Project Ph-170, Morgan City, La.
- D. Ltr. 761/rrj, dated 8 June 1960, Subject: T-10644 thru T-10648, Project Ph-170.
- E. Ltr. to Chief, Photogrammetry Division, dated 10 May 1961, Subject: T-10644 thru T-10648, Project Ph-170
- F. Ltr. 6321/S-ms, dated 15 May 1961 Subject: Same as References D and E.

46. Comparison with Existing Maps:

Comparison was made with C of E 15 minute Belle Isle, Louisiana quadrangle, edition of 1954, Scale 1:62,500.

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°.

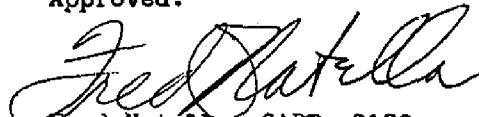
Items to be Applied to Nautical Charts Immediately.

None.

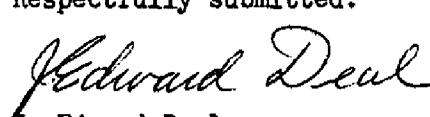
Items to be Carried Forward.

None.

Approved:


 Fred Natella, CAPT, C&GS
 Portland District Officer
 for
 V. Ralph Sobieralski, CDR, C&GS

Respectfully submitted:


 J. Edward Deal
 Cartographer

Portland Photogrammetric Office
405 Custom House
Portland 9, Oregon

AIR MAIL

5 September 1957

To: Corps of Engineers, U. S. Army
New Orleans, Louisiana District
Foot of Prytania Street
New Orleans, Louisiana

Attention: Bridge Division

Subject: Request for bridge data

This office is currently engaged in an aerial mapping project in the vicinity of Atchafalaya River, Louisiana. Photographs taken in October 1956 indicate that a new swing bridge has been built since 1948 for the highway crossing the Lower Atchafalaya River at Patterson, St. Mary Parish, Louisiana.

If this is correct will you kindly furnish us with the following:

- (a) date of erection of new bridge
- (b) horizontal clearance (navigation span)
- (c) vertical clearance (closed) at M.H.W.

V. Ralph Sobieralski
LCDR C&S Survey
Officer-in-Charge

JED/epc

SEE ONLY TO
DISTRICT ENGINEER
NEW ORLEANS DISTRICT
CORPS OF ENGINEERS, U. S. ARMY
P. O. BOX 87
NEW ORLEANS, LA.

CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DISTRICT ENGINEER
NEW ORLEANS DISTRICT
FOOT OF PRYTANIA STREET
NEW ORLEANS 9, LOUISIANA

REFER TO FILE NO. LAGRD 823 (Atchafalaya River)1

10 September 1957

U. S. Department of Commerce
Coast and Geodetic Survey
Portland Photogrammetric Office
405 Custom House
Portland 9, Oregon

Gentlemen:

Reference is made to your letter dated 5 September 1957, requesting information on the existing highway bridge across the Atchafalaya River at Patterson, Louisiana.

The following is furnished:

- a. The bridge was completed 25 October 1948.
- b. Horizontal clearance is 61.0 feet.
- c. Vertical clearance above mean high water, in closed position, is 6.1 feet (high water 6.5 feet mean sea level.)

FOR THE DISTRICT ENGINEER:

Sincerely yours,

W. C. [Signature]
Chief, Operations Division.



150 YEARS OF SERVICE
1807 - 1957

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
WASHINGTON 25

IN REPLY ADDRESS THE DIRECTOR
COAST AND GEODETIC SURVEY
AND NOT THE SIGNER OF THIS LETTER

AND REFER TO NO. 634/WVP/vw

10 September 1957

To: Officer in Charge
Coast and Geodetic Survey
Portland Photogrammetric Office
405 Custom House
Portland 9, Oregon

Subject: Geographic position - Idlewild Plantation
Water Table 1931

Enclosed is an autostat copy of Louisiana geographic
position page 82 which has been corrected.

The correct longitude is $91^{\circ} 15' 15.526$ and the seconds
in north latitude is 417.3 as indicated on the revised copy.

Charles Pierce
Rear Admiral, USCGS
Assistant Director

Enclosure

Federal Photogrammetric Office
405 Custom House
Portland 9, Oregon

24 September 1977

To: The Chief, Photogrammetry Division
Coast and Geodetic Survey
Department of Commerce
Washington 25, D. C.

Subject: Parish Boundary Lines, Project Ph-17, Morgan City,
Louisiana

The previously compiled manuscripts Nos. T-9025 and
T-9026 show the boundary line between St. Mary Parish and
Terrebonne Parish located adjacent to the east shorelines of
the Lower Atchafalaya River and Sweetbay Lake respectively.

During the revision of these manuscripts now in progress
this boundary will move approximately 15 to 30 meters inland.
This office is unable to determine if the boundary line is to
be moved accordingly.

The Belle Isle, Louisiana and the Morgan City, Louisiana,
Corps of Engineers 15 minute quadrangles prepared for the
Mississippi River Commission show this boundary located at
the middle of the Lower Atchafalaya River and considerably
offshore from the east shoreline of Sweetbay Lake.

Point Au Fer quadrangle and Lake Desade quadrangle are
not available for comparison with T-9021.

V. Roman Sobieralski
LCDR, USN
Office in-Charge

JBI/bpo

761/rvj

3 17 1958

To: Officers in Charge
Portland Photogrammetric Office
Coast and Geodetic Survey
405 Customs House
Portland 2, Oregon

Subject: T-10644 thru T-10648, Project PV-170

Reference: Your letter, 17 March 1958, 442/bpo

Because of workload and priorities, a decision for the disposition of subject T-sheets was made only recently. These five (5) T-sheets will be scribbled in the Washington Office, and upon completion, copies of the final manuscripts and the blackline impressions on plastic with the red-ink revision work will be submitted to the Portland Office for junction purposes and to prepare the necessary Descriptive Report.

L. W. Swanson, Chief
Photogrammetry Division

PHOTOGRAMMETRIC UNIT
U. S. Custom House
Portland 7, Oregon

AIR MAIL

10 May 1961

To: Chief, Photogrammetry Division
Coast and Geodetic Survey
Washington 25, D. C.

Subject: T-10644 thru T-10648 Project Ph-170

Reference: Letter 761/rrj dated 8 June 1960, Same Subject

This office is preparing to forward to Washington all photographs, descriptive reports and other data for the completed manuscripts in Project Ph-170.

Will we continue to retain photographs and other data in Portland for the area of subject manuscripts to comply with plans outlined in reference?

J. Edward Deane, Cartographer
for
Fred Natella, CAPT, C&GS
Portland District Officer

Encl.
JED/bpc

15 May 1961

To: Chief, Photogrammetric Unit
Portland District Office
Coast and Geodetic Survey
405 Customhouse
Portland 8, Oregon

Subject: T-10644 through T-10648, Ph-170

Reference: Letters 761/rrj - 8 June and JED/bpc -
10 May 1961

Revisions and type-application of subject T-sheets are nearing completion now and it is expected, that copies of these and the original map manuscripts will be forwarded to the Portland Photogrammetric Office by the end of this month. This should enable the early disposition of the five (5) T-sheets as outlined in reference letter 761/rrj of 8 June 1960.

L. W. Swanson, Chief
Photogrammetry Division

cc:
6321/A

49. Notes to the Hydrographer:

Forms 524 are submitted for Recoverable Topographic Stations.

JOKE, 1957 and HARD, 1957

Refer to Forms 567 for Landmarks and Aids.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10644

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 None
9. Plotting of sextant fixes None 10. Photogrammetric plot report 11. Detail points

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline 13. Low-water line None 14. Rocks, shoals, etc. 15. Bridges 16. Aids to navigation 17. Landmarks 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 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

J. 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:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-10644

TO BE CHARTED
~~TO BE CHARTED~~

STRIKE OUT ONE

~~UNDESIRABLE~~ LANDMARKS FOR CHARTS

Portland, Oregon

15 November 19 57

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

The positions given have been checked after listing by

C. C. Harris

V. Ralph Sobieralski Chief of Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	CHARTS AFFECTED	
				LATITUDE*		LONGITUDE*		DATUM	INSHORE CHART				OFFSHORE CHART
				°	'	°	'						
LOUISIANA													
SPIRE	Wooden, height 90 (98) (PATTERSON, ST. JOSEPH'S CATHOLIC CHURCH, SPIRE 1931)			29	41	91	18	N.A. 1927	Triangulation T-10644	1931	880 1050 [✓]		
TANK	Steel, height 109 (118) (PATTERSON, MUNICIPAL TANK 1931)			29	41	91	18	"	"	"	1050 [✓]		
TOWER*	Steel, transmission, height 176(182) (WAX LAKE OUTLET EAST TRANSMISSION TOWER 1957)			29	41	91	22	"	Rad. Plot T-10644	"	1050-Nat At this scale		
RADIO TOWER	Steel, height 303 (310)			29	42	91	18	"	"	"	880 1050 [✓]		
	* Note: See letter from Chief, Photogrammetry Division, 731/rab, dated 2 October 1957 Subject: Project Ph-170, Atchafalaya River, La.												

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.

48. Geographic Names:

Avalon
Bayou Bethel
Bayou Haydel
Bayou Patterson
Bayou Teche
Bayou Three
Berwick Island
Big Bull Bayou
Big Wax Bayou
Calumet
Clarks
Cutoff Bayou
Double Mouth Bayou
Glenwild
Gray Horse Isle
Highland Drainage Canal
Honey Island
Idlewild
Little Bethel Bayou
Little Bull Bayou
Little Cutoff Bayou
Little Wax Bayou
Lower Atchafalaya River
Luckland Plantation
Maple Bayou
Middle Island
Morgan Island
Oak Bayou
Patterson
Possum Bayou
Possum Point
Riverside Pass
Simmons Bayou
Sixmile Bayou
Sixmile Lake
Thompson Bayou
Three Island Pass
Tucker Bayou
Waveland Plantation
Wax Lake Outlet
Wildcat Bayou

George W. Ball
Geographic Names Section
13 April 1962

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

62. General Statement

There 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 N.E.	1957
Morgan City, La.	1:62,500	C.of N.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

Paul G. Taylor
Chief, Nautical Chart Div.

W. B. Keough 3/12/63
Chief, Photogrammetry Div.

George B. Connerly
Chief, Operations Division

