10527

Diag. Cht. No. 1116-2.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-170 *Office No.* T-10527

LOCALITY

State Louisiana

General locality Atchafalaya Basin Floodway

Locality Six Mile Lake

1956 - 1957

CHIEF OF PARTY

I. R. Rubottom Chief of Party

LIBRARY & ARCHIVES

DATE May 1963

COMM-DC 61300

10527

FORM 181
(4-23-54)

2.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T - 10527

PH 170

Project No. (II): ~~25370~~ Quadrangle Name (IV):

Field Office (II): Morgan City, Louisiana Chief of Party: Ira R. Rubottom

Photogrammetric Office (III): Officer-in-Charge:

Instructions dated (II) (III): (II) 4 December 1956
Supplement 1 dated 15 Jan. 1957
Supplement 2 dated 14 March 1957
(III) 21 June 1957
Amendment dated 2 April 1959
Letter 73/rrj dated 8 January 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): 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): PALMETTO, 1935

Lat.: 29° 50' 03.216" Long.: 91° 19' 59.673" Adjusted X
Unadjusted

Plane Coordinates (IV): State: Zone:

Y= X=

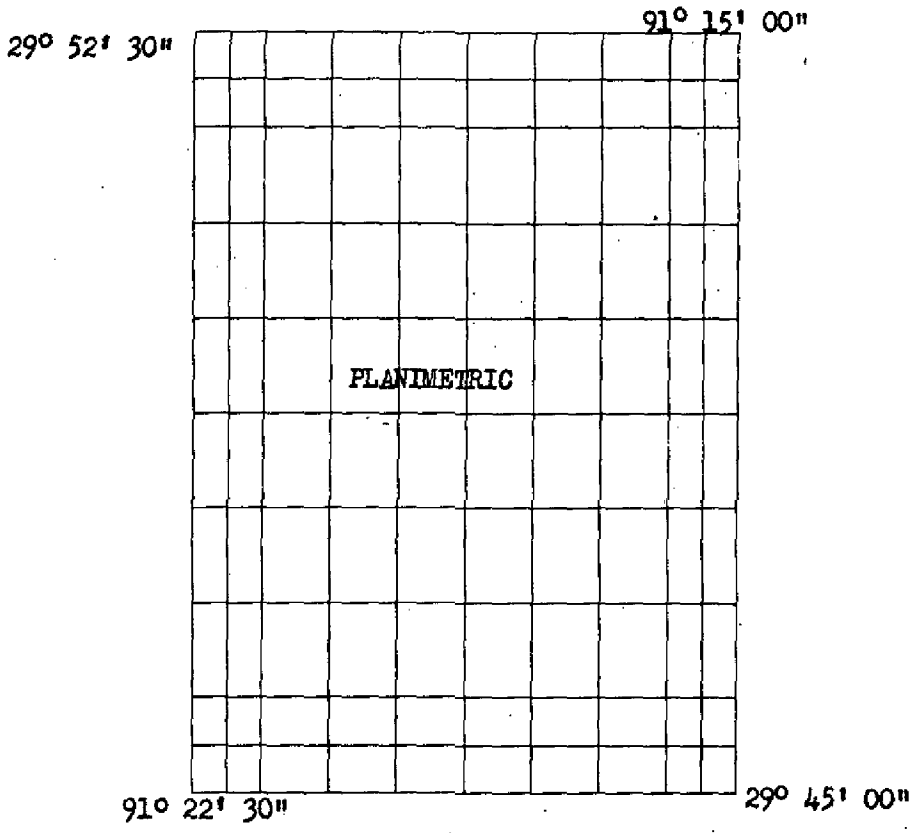
Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

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

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)

FORM 181b
(4-23-54)

4.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

T-10527

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): J. E. Johnson — Date: January-February 1957

Planetable contouring by (II): — Date:

Completion Surveys by (II): — Date:

Mean High Water Location (III) (State date and method of location): 1-14-57 thru 2-18-57. Indicated by field inspection on field photographs. Defined and transferred to office photographs by stereoscopic inspection and graphically detailed on the manuscript.

Projection and Grids ruled by (IV): — Date:

Projection and Grids checked by (IV): — Date:

Control plotted by (III): J. L. Harris — Date: 10-31-57

Control checked by (III): D. N. Williams — Date: 11-5-57

Radial Plot or Stereoscopic *Control extension by (III):* J. L. Harris — Date: 1-17-58

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

Manuscript delineated by (III):
R. E. Boyd - Compilation — Date: 3-11-58
R. D. Swails - Scribing — 3-26-58
R. D. Swails - Stick-up — 6-18-58

Photogrammetric Office Review by (III):
J. L. Harris (Rough Draft) — Date: 3-14-58
" (Advance) — 9-7-60

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

COMM-DC-57842

FORM 181c
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

5.

Camera (kind or source) (III): USC&GSS 9 lens focal length 8.25 inches.

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
54765 thru 54767	10-15-56	10:23	1:20,000	Tide is mainly diurnal. Probably about 0.9 ft. above M.L.W. on this da
54781 thru 54783	"	10:41	"	

Tide (III)

Reference Station: GALVESTON, TEXAS
Subordinate Station: Eugene I, Atchafalaya Bay
Subordinate Station:

Ratio of Ranges	Mean Range	~~Spring~~ Diurnal Range
	1.1	1.9

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): 39
Shoreline (More than 200 meters to opposite shore) (III): 15
Shoreline (Less than 200 meters to opposite shore) (III): 35
Control Leveling - Miles (II): ---
Number of Triangulation Stations searched for (II): 1 Recovered: 1 Identified: 1
Number of BMs searched for (II): --- Recovered: --- Identified: ---
Number of Recoverable Photo Stations established (III): 5
Number of Temporary Photo Hydro Stations established (III):

Remarks:

COMM-DC-57842

FIELD INSPECTION REPORT
MAP T-10527

2. AREAL FIELD INSPECTION

This area lies to north and east of Six Mile Lake and is a part of the Atchafalaya Basin Floodway. Conditions in the floodway as described in Field Inspection Report for Map T-10522 (≡) apply to this map except as mentioned below.

Heavy silting has not affected this area to any great extent except along the extreme western limits of the map where there are several recently formed silt islands. The larger portion of the area is covered chiefly by seepage of flood waters from upstream. As a result, the greater part of the load of sediment has been dropped before the water reaches this area. Consequently, swamp conditions have changed very little, remaining much the same as before development of the floodway.

There are no roads in the quadrangle.

The only population is at the Duck Lake oil field and scattered along a few of the bayous.

The economy of the area is petroleum, fishing and trapping industries, ranking in importance in the order named. The petroleum industry employs more than three times the number of persons as does fishing and seasonal trapping. All petroleum facilities are either afloat or elevated to allow for the seasonal flooding.

A complex system of canals was built years ago to log the virgin timber, and results of "high-line" logging operations are evident on the photographs by the fan shaped pattern at various loading points along the canals. There are no logging operations in progress at the present. With only a few exceptions, these abandoned canals are still navigable in pirogues and skiffs and are used by the native fishermen and trappers.

Field inspection has been annotated on the following nine-lens photographs: 54767 thru 54765 and 54781 thru 54783.

Nine lens, 1:20,000 scale photographs were of sufficient quality for field inspection and no special difficulties in interpretation due to quality were encountered.

Since photography was of recent date, the few new features encountered consist of new canals to petroleum drilling sites. These features have been added to the photographs by plane table methods.

3. HORIZONTAL CONTROL

The only Coast and Geodetic Survey triangulation station in the quadrangle was recovered and identified.

There were no stations reported lost.

No control of another agency was recovered.

No supplemental control was established.

4. VERTICAL CONTROL

There are no tidal bench marks in this quadrangle.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

See the Field Inspection Report for T-10515.

6. WOODLAND COVER

See the Field Inspection Report for T-10515.

7. SHORELINE AND ALONGSHORE FEATURES

See the Field Inspection Report for T-10515.

A line of vegetation was verified as the mean high-water line along the sand bars in Six Mile Lake.

8. OFFSHORE FEATURES

The several platforms in Six Mile Lake located by sextant fixes are substantially constructed of treated pilings or native logs and have triangular shaped decks about 8 feet on a side 6 to 8 feet above the water. They are probably used as survey stands.

The signs indicated are large warning signs marking submerged pipeline crossings.

9. LANDMARKS AND AIDS

All landmarks and fixed aids to navigation have been identified on the photographs for location by the radial plot, and have been reported on form 567.

10. BOUNDARIES, MONUMENTS AND LINES

See "Special Report, Boundaries, Project PH 25170."

11. OTHER CONTROL

Other control consisted of the following recoverable topographic stations: GOOD, MOON, LONE, CAMB, and FIRE.

12. OTHER INTERIOR FEATURES

The only roads in the quadrangle are wooden walks, and have been indicated as Catwalks where they are prominent features.

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

The only overhead cable crossing is over Cypress Pass; the clearance was measured 110 feet at 1130 15 February 1957.

There are no bridges in the quadrangle.

The oil field outlined on photograph 54763 is under development and is subject to constant change as new canals are dug, additional wells are drilled and facilities added.

All wells are gas and oil.

All tanks are oil tanks unless otherwise indicated.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project PH 25170."

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

"Special Report, Geographic Names, Project PH 25170" to be submitted at a later date.

"Special Report, Boundaries, Project PH 25170" to be submitted at a later date.

Form 567, Fixed Aids to Navigation, Landmarks for Nautical and Aeronautical Charts.

Submitted,

James E. Johnson
James E. Johnson
Cartographic Survey Aid

Approved:

Ira R. Rubottom
Ira R. Rubottom
Chief of Party

PHOTOGRAMMETRIC PLOT REPORT

Radial Plot "B"

21. Area Covered:

This report applies to an area in vicinity of Six Mile Lake, La. and comprises map manuscripts T-10515 and T-10523 thru T-10527.

22. Method:

The plot was run by the hand templet method of nine lens photographs at a scale of 1:20,000. The six manuscripts ruled with a polyconic projection and Louisiana State Grid for the area of each manuscript were joined together and the templets oriented thereon. The master templet applicable to the date of the photography was used to correct the photographs for paper distortion and transforming errors.

23. Adequacy of Control:

Copies of correspondence attached to this report describe in detail the difficulties experienced with horizontal control stations in this project.

For Radial Plot "B" this office was furnished copies of horizontal control data of other agencies on Thermo-Fax sheets for some quadrangles and on photostat sheets for other quadrnagles from pages of descriptions and positions taken from publications issued by the Office of Chief of Engineers, Washington D. C. Geographic positions of the identified horizontal control stations of other agencies were obtained from these publications. The pages describing the datum and order of accuracy of this control were not furnished with the Thermo-Fax or photostat sheets. The positions of three stations of other agencies were obtained from this source and all held with identified C&GS control. It was therefore assumed that the positions listed in these publications were on the correct datum. A satisfactory radial plot was completed.

24. Supplemental Data:

None.

25. Photography:

The photography was adequate.

Approved:

J Edward Deal Jr

Fred Natella,CAPT, C&GS

Respectfully submitted:

J Edward Deal

J. Edward Deal, Cartographer

PORTLAND PHOTOGRAMMETRIC OFFICE
405 Custom House
Portland 9, Oregon

23 May 1958

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

Subject: Horizontal Control, Project Ph-170, Atchafalaya River, Louisiana

Difficulties noted in our April monthly report relative to the radial plot for T-10518 through T-10522 may have been caused by the use of geographic positions which were not adjusted to the North American 1927 datum. Positions for control stations not included in Coast Survey nets were taken from Thermo-Fax and photostatic copies of pages from "Horizontal and Vertical Control Data" publications of the Office of the Chief of Engineers. Positions from this source were used in two previous radial plots and were held with Coast Survey control. It was therefor assumed that the Corps of Engineers data was published on the North American 1927 datum. The radial plot for T-10518 through T-10522 was completed after numerous readjustments of the templets.

To compute position data for the next radial plot (T-10510 through T-10514, T-10516 and T-10517), an additional source of geographic positions was available and was used. The New Orleans District Engineer publishes "Description, Elevations and Geographic Positions of Permanent Survey Marks" in which the datum for each geographic position is stated. We find that the positions of most of the stations we are using are listed in both publications in the areas for which both are now available. Comparisons indicate that the positions published by the Office of the Chief of Engineers are not all on one datum.

Following your suggestion, we are planning to try to resolve this matter in this office. We have requested from the New Orleans District Engineer, copies of "Descriptions, Elevations and Geographic Positions of Permanent Survey Marks" covering quadrangles for which we do not have these publications. The Geodesy Division has been requested to furnish datum differences for positions stated to be on the North American datum. In order that we may have all available information about datums, it is requested that you arrange to have furnished to this office, printed copies of the Office of the Chief of Engineers' "Horizontal and Vertical Control Data" for Louisiana quadrangles: Arnaudville, Artonish,

Batchelor, Chicot Lake, Fordoche, Foster, Jeanerette, Loreauville, Napoleonville, Odenburg, Osca Bayou, Plaquemine, St. Martinsville and Voorhies. Similar publications for Oregon include datum information with the preface.

After the requested data is received we propose to replot all questionable horizontal control positions and rerun the affected radial plots. Several adjustments in the plots may be required before the correct positions of all control stations are established.

V. Ralph Sebieralski
LCDR, C&GS
Officer-in-Charge

VRS/bpo

73/rrj

12 June 1958

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

Subject: Horizontal Control - Project PH-170
Atchafalaya River

There seems to be little doubt that the Army Map Service published the U. S. Engineers control on the wrong datum. Their publications indicated the North American 1927 Datum, but all evidence indicates it should have been the North American Datum.

The Army Map Service is not able to provide datum differences. The Geodesy Division wrote to the New Orleans District Engineers Office on 29 May, but has not received a reply. Today we wrote to our District Office for assistance.

It may be two weeks or more before datum differences will be available. To avoid unnecessary and frustrating work you should discontinue the radial plots until this information is received.

L. W. Swanson, Chief
Photogrammetry Division

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

150 YEARS OF SERVICE
1807 - 1957

[illegible] July 1958

To: Portland Photogrammetric Office
Coast and Geodetic Survey
[illegible] Custom House
Portland 9, Oregon

Subject: Engineers Control - Project PH-170
Atchafalaya River, Louisiana

We are forwarding to you under separate cover [illegible] control diagram of Project Ph-170 together with the [illegible] Orleans District Officer's letter of 11 July 1958 [illegible] of U. S. Engineer Station Positions.

If the U. S. Engineers information [illegible] you [illegible] now have NA 1927 position for all stations in the project except [illegible]URY, [illegible], [illegible] and [illegible]. We believe [illegible] able to plot around these stations satisfactorily.

[illegible] New Orleans District Officer has made a very [illegible] plete and profitable control investigation in this area. If further difficulties are encountered, field work will be required to resolve them.

Resume radial plotting and compilation in this [illegible]. Please inform us promptly, and include any recommendations you may have, if any further difficulties are encountered.

Assistant Director

cc: New Orleans District Office

Mr. Deal

73/rrj

24 July 1958

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

Subject: Project PM-170 - Atchalafaya River

Admiral Pierce is concerned about the outcome of the Engineers Control in the Atchalafaya River Project. Please report to me whether or not the new data received from New Orleans is solving our problems. Apparently he is considering geodetic work in that area if additional control is required.

L. W. Swanson, Chief
Photogrammetry Division

PORTLAND PHOTOGRAMMETRIC OFFICE
405 Custom House
Portland 9, Oregon

4 August 1958

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

Subject: Preliminary Report, Horizontal Control Conditions
Project Ph-170 - Atchafalaya River, La.

The investigation of the geographic datum of identified horizontal control stations in Project Ph-170 by the New Orleans District Officer did not reveal any changes in the positions of stations used in the original radial plot for T-10523 thru T-10527 and T-10515. The radial plot is believed to be satisfactory.

The radial plot for T-10518 thru T-10522 has been rerun using new positions and information furnished by the New Orleans District Officer. Templets were oriented to the plotted positions of sub-stations more readily than in the original plot, and forcing of the orientation was not necessary. Very good resections of radials were obtained for all photogrammetric points.

The enclosed sketch shows the number and distribution of horizontal control stations used in this radial plot. The distribution and spacing of identified stations was more than adequate to control the orientation of the templets. Of the 25 identified stations used 22, or 88%, held satisfactorily.

The three stations which could not be held are:

B.M. SHAVER (USE) - An intersection for the sub-station was obtained 367 meters southeast of the plotted position. All possible sources of error have been investigated without result. It is believed that the position furnished is erroneous. Comparison of the position furnished by the New Orleans District Officer with the position scaled from the graphic location by this office is as follows:

	Latitude	Longitude
Furnished	30° 20' 452.9m	91° 31' 574.2m
Scaled	30 20 150	91 31 367
Difference	302.9m	207.2m

To: Chief, Photogrammetry Division 4 August 1958

TRAVERSE 397 / 20.46, 1956 (Atchafalaya Basin Channel Improvement) - The identified object for the sub-station could be seen clearly on only one photographs. It was transferred to other photographs by use of the stereoscope. For this reason the station is considered doubtful. A fair resection was obtained 6 meters southwest of the plotted position of the sub-station.

B.M. CROSS BAYOU (USE) 1917 - An intersection of radials of the point identified as the sub-station was obtained 45 meters northeast of the plotted position of the sub-station. This was based on the position furnished by the New Orleans District Officer and also by the Corps of Engineers, New Orleans District. During the investigation of this station, it was found that a position for the sub-station based on the position for CROSS BAYOU 1935 published in the list of geographic positions "Riddell to Napoleonville, La., Accession No. 0 3218, Page II35" would hold in the plot. The field party reported this station as destroyed.

There were four identified stations for which geographic positions on N.A. 1927 datum were not furnished. A good intersection of radials was obtained for the sub-station as follows:

P.B.M. HENRY(USE) - 5 meters southwest of the plotted sub-station

B.M. BOREL(USE) - 13 meters southwest of the plotted sub-station

B.M. HAMS(USE - . 40 meters east of the plotted sub-station

B.M. BREAUX(USE - An intersection of radials was obtained on the plotted sub-station.

A radial plot for T-10510 thru T-10517 is now in progress. Results will be included in a supplementary report.

V. Ralph Sebieralski
LCDR, C&GS
Officer-in-Charge .

JED/bpo

73/rrj

13 August 1958

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

Subject: Horizontal Control - Project PH-170
Atchafalaya River, Louisiana

Your preliminary report on radial plots for areas 1 and 2, Project PH-170, Atchafalaya River, dated 4 August 1958 has been examined.

Your results on both plots are acceptable and the project should be continued. If similar datum difficulties are encountered on the remaining plots please inform.

Assistant Director

PORTLAND PHOTOGRAMMETRIC OFFICE
405 Custom House
Portland 9, Oregon

10 October 1958

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

Subject: Supplemental Report, Horizontal Control Conditions, Project Ph-170 - Atchafalaya River, Louisiana

Reference: (a) Preliminary Report, Horizontal Control Conditions, Project Ph-170 - Atchafalaya River, Louisiana, 4 August 1958

(c) Supplemental Report, Horizontal Control Conditions, Project Ph-170 - Atchafalaya River, Louisiana, 8 September 1958

The final radial plot for this project, covering maps T-10508 through T-10509, has been completed with satisfactory results. The enclosed sketch shows the number and distribution of horizontal control stations used.

Three stations were not held.

BM JARREAU - Point identified as sub-station cuts in approximately 10 meters northeast of plotted position. The position of this station was taken from the Voorhies Quadrangle list as compiled by the Office of the District Engineer, New Orleans. This source indicates this position is on NA datum, while the New Orleans District Office letter of 11 July 1958 states this position is on NA 1927 datum. The location of this station, in the northwest corner of the project with no identified control to the north, permits a little flexibility in the orientation of the templets. It is therefore possible to hold sub-station BM JARREAU more rigedly, but at the sacrifice of holding sub-stations for WILL 1919 and A4544(LOS)(USE). It is believed that the positions of the latter two stations are more reliable and they were held.

PBM GABRIEL(USE)1990 - Sub-station cuts in approximately 134 meters southwest of plotted position. Comparison of the description with the photography indicates that the identification is reasonably correct.

To: Chief, Photogrammetry Division
10 October 1958

PEN BARBRE * 5(USE)1929 - Sub-station cuts is approximately 15 meters northwest of the plotted position. Identification appears to be correct. Three Louisiana Geodetic Survey stations, namely A-3678, A-3697 and A-4585, were all held and these fix the resection obtained by PEN BARBRE * 5(USE)1929.

With the completion of this radial plot, it is believed that all difficulties originally encountered have been resolved. It is evident that the horizontal control that has been established in this area must be used with caution inasmuch as the positions of many U. S. Army Engineers stations have not been adjusted to the North American 1927 datum. Identified stations established by the Louisiana Geodetic Survey were in good agreement with Coast and Geodetic Survey control and were held in the radial plots.

V. Ralph Sobieralski
Officer-in-Charge

711/ww:

21 October 1958

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

Subject: Radial Plot and Compilation,
Project PH-170

In reference to your letter of 10 October 1958, the radial plot for the final section of this project seems entirely satisfactory and I want to congratulate you and the people in your office for satisfactorily completing the very difficult and tedious plot.

We can now go ahead with the compilation of this project without further reservations about the adequacy of the plot. Compilation should be done on a routine basis since this project has about the lowest order of priority of all projects in your office.

L. W. Swanson, Chief
Photogrammetry Division

FORM 164
(4-23-54)

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

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T- 10527 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)
PALMETTO, 1935	G-3218	N.A.	29	50	03.216				99.0	(1748.4)		
	Pg.30	1927	91	19	59.673				1602.0	(8.8)		
DO	Office	"	29	50					37.8	(1809.6)		
Sub Station	Comp.		91	20					48.0	(1562.8)		
TECHE, 1931	G-1244	"	29	43	27.966				861.1	(986.3)		
	I 27		91	18	42.700				1147.6	(464.9)		
DO	Office	"	29	43					901.1	(946.3)		
Sub Station	Comp.		91	18					1198.8	(413.6)		
PATTERSON MUNICIPAL	G-1244	"	29	41	49.806				1533.5	(313.9)		
TANK, 1931	I 81		91	18	08.139				218.8	(1394.2)		
IDLEWILD PLANTATION	G-1244	"	29	42	53.430				1645.1	(202.3)		
WATER TANK, 1931	I 82		91	15	15.526				417.3	(1195.4)		
DO	Office	"	29	42					1579.5	(267.9)		
Sub Station	Comp.		91	15					411.6	(1201.1)		

11.

1 FT. = .3048006 METER

COMPUTED BY: J.E.D. DATE 10-24-57 CHECKED BY: J.L.H. DATE 10-28-57

COMM-DC-57843

COMPILATION REPORT

Map Manuscript T-10527

Project Ph-170

31. Delineation:

Graphic methods were used to compile the planimetry.

32. Control:

The horizontal control identified and that located by the radial plot was adequate for the compilation work.

33. Supplemental Data:

None.

34. Contours and Drainage:

Contours are not applicable. Drainage was delineated from field inspection, office examination of the photographs and by comparison with the Corps of Engineers, 15 minute, Foster, La. quadrangle, scale 1:62,500, edition of 1948.

35. Shoreline and Alongshore Details:

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.

Low-water and shoal lines were based on data furnished by field inspection.

36. Offshore Details:

Offshore areas consist of water structures such as piling, platforms, duck blinds, etc. There were no rocks delineated. There are many foreshore areas of "trees in water".

37. Landmarks and Aids:

Forms 567 are submitted for two fixed aids to navigation and two landmarks.

38. Control for Future Surveys:

Forms 524 are submitted for five recoverable topographic stations which were located by the radial plot method.

These are listed under Item 49, Notes to the Hydrographer.

39. Junctions:

Satisfactory junctions were completed with T-10526 on the west, T-10515 on the east, T-10525 on the north and T-10644 on the south.

40. Horizontal and Vertical Accuracy:

There are no areas of planimetry that are considered subnormal in horizontal accuracy. Vertical accuracy is not applicable.

46. Comparison with Existing Maps:

Comparison was made with Corps of Engineers, 15 minute Foster, La. quadrangle, edition of 1948, scale 1:62,500.

47. Comparison with Nautical Charts:

Comparison was made with nautical chart No. 1050 (New Orleans to Calcasieu River, east section) scale, 1:175,000 at Lat. 30°, revised 2-25-57.

Items to be Applied to Nautical Charts Immediately.

None

Items to be Carried Forward.

None

Approved:

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

Respectfully submitted:

Edward Deal
J. Edward Deal
Cartographer
C&GS

49. Notes to the Hydrographer:

Forms 567 were submitted listing the scaled geographic positions of the following;

Bayou Butte Light, 1956
Cypress Island Light, 1956
Humble Oil, Duck Lake Camp, Radio Mast, 1957
Interstate Oil Co., Duck Lake Camp, Radio Mast, 1957

Forms 524 were submitted listing the scaled geographic positions and descriptions of recoverable topographic stations:

MOON, 1957; LONE, 1957; GOOD, 1957;
FIRE, 1957 and CAMB, 1957

FORM 182
(6-12-56)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T-10527

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

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy X 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) X 7. Photo hydro stations None 8. Bench marks None
9. Plotting of sextant fixes X 10. Photogrammetric plot report X 11. Detail points X

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline X 13. Low-water line X 14. Rocks, shoals, etc. X 15. Bridges None 16. Aids to navigation X 17. Landmarks X 18. Other alongshore physical features X 19. Other alongshore cultural features X

PHYSICAL FEATURES

20. Water features X 21. Natural ground cover X 22. Planetable contours None 23. Stereoscopic instrument contours None 24. Contours in general None 25. Spot elevations None 26. Other physical features X

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines None 32. Public land lines None

MISCELLANEOUS

33. Geographic names X 34. Junctions X 35. Legibility of the manuscript X 36. Discrepancy overlay None 37. Descriptive Report X 38. Field inspection photographs X 39. Forms X

40. J.L. Harris — 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:

COMM-DC 34529

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED / ~~REMOVED FROM CHARTS~~ — STRIKE OUT ONE

Portland, Oregon — 13 December 1960

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

Fred Natella — *Chief of Party.*

STATE LOUISIANA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LATITUDE D.M. METERS	LONGITUDE ° ′	LONGITUDE D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
LIGHT	BAYOU BOUTTE LIGHT (7209)		29 46	13.40 412.5	91 15	18.61 500.0	N.A. 1927	Photo. Plot	2-27-56		X		1050 HK
LIGHT	CYPRESS ISLAND LIGHT (7210)		29 47	39.40 1213.0	91 21	57.64 1548.2	"	"	2-15-57		X		1050 HK

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.

U. S. GOVERNMENT PRINTING OFFICE: 1949 O - 853418

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS TO NAVIGATION AND LANDMARKS FOR CHARTS

TO BE CHARTED / ~~CHECKED~~ } STRIKE OUT ONE

Portland, Oregon — 13 December 1960

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

Fred Natella *Chief of Party.*

STATE LOUISIANA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LATITUDE D.M. METERS	LONGITUDE ° ′	LONGITUDE D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
RADIO MAST	Interstate Oil Co. Duck Lake Camp Radio Mast (Steel) 150 ft. (153 ft.)		29 47	40.37 1243.0	91 18	36.79 988.0	N.A. 1927	Photo. Plot	2-13-57		X		1050
RADIO MAST	Humble Oil Co. Duck Lake Camp Radio Mast (Steel) 137 ft. (139 ft.)		29 47	21.73 669.0	91 19	35.63 957.0	"	"	"				"

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.

U. S. GOVERNMENT PRINTING OFFICE: 1949 O - 853418

T-10527

48. Geographic Names:

American Bayou
American Island
Bayou Boutte
Bayou Cutoff
Bayou Darbui
Bayou Eugene
Bayou Rebart
Big Bayou Chene
Big Bayou Cheval
Big Bayou Joe
Blue Point
Campers Bayou
Cypress Bayou
Cypress Island
Cypress Pass
Duck Lake
Grand Pass
Gray Horse Isle
Little Bayou Chene
Little Bayou Jessie
Little Bayou Long
Little Bayou Sorrel
Little Island
Little Island Pass
Little Mystique Bayou
Lower Atchafalaya River
Middle Island
Mystique Bayou
Sixmile Lake
Tiger Island
Willow Cove
Windy Point

George M. Bae
Geographic Names Section
18 April 1962

REVIEW REPORT
OF PLANIMETRIC MANUSCRIPTS
T-10515 and T-10523 thru T-10527
November 1962

61. General Statement

These are Six (6) of 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

T-8897	1:10000	1946	Shoreline Surveys
T-8898	1:10000	1946	"
T-8899	1:10000	1946	"

These planimetric surveys supercede the above listed shoreline surveys of common area for nautical charting purposes.

63. Comparison with Maps of Other Agencies

Centerville, La.	1:62,500	C. of E.	1959
Jeanerette, La.	1:62,500	C. of E.	1954
Napoleonville, La.	1:62,500	C. of E.	1953

A comparison shows that the above maps are in good agreement except for minor shoreline and cultural details.

64. Comparison with Contemporary Hydrographic Surveys

There are no contemperary hydrographic surveys within the area of these manuscripts.

65. Comparison with Nautical Charts

881 1:50,000 September 1962

There are no differences of importance except for a dredged channel that is shown on the chart, at Lat. ~~30°~~ 29° 57.0' Long. 91° 15.8', that is subsequent to the date of the manuscript.

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.

Submitted by:

L. C. Lande
L. C. Lande

Approved by:

Charles Lawrence
Chief, Cartographic Branch

James G. Taylor
Chief, Nautical Chart Division

J E Waugh 3/18/63
Chief, Photogrammetry Division

Horace S Conerly
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-10527

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
881	7-24-63	John P. Weis	Full ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. Fully Applied
~~1050~~	~~1-6-64~~	~~L. Keeler~~	~~Full~~ Part ~~Before~~ After Verification Review Inspection Signed ~~Via~~ LCL
			Drawing No. Considered not applied REE 2-4-64
			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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