

9037

Diag. Cht. No. 1116-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-90 Office No. T-9037

LOCALITY

State Louisiana

General locality Louisiana Coast

Locality Lake De Cade to Carrion Crow

Bayou

19452-56

CHIEF OF PARTY

E.H.Kirsch, Chief of Field Party

I.R.Rubottom, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE July 31, 1959

9037

# DATA RECORD

T -9037

Project No. (II): 6090 (Ph-90) Quadrangle Name (IV):

Field Office (II): Houma, Louisiana

Chief of Party: E. H. Kirsch

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: Ira R. Rubottom

Instructions dated (II) (III): 5 September 1952  
25 September 1952 (Supplement 1)  
30 September 1952 (Supplement 2)

Copy filed in Division of  
Photogrammetry (IV)

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):

MAR 19 1956

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

12/16/59

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N. A. 1927

Vertical Datum (III): MHW

~~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): COPASAW, 1934

Lat.: 29°29'25".453 (783.7 m.)

Long.: 90°57'17".860 (481.1 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.


PLANIMETRIC

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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): B. F. Lampton, Jr.  
C. H. Baldwin

Date: Oct. 1952  
Apr. 1953

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): April 1953  
Air Photo Compilation

Projection and Grids ruled by (IV): Joan Thuma (W.O.)

Date: 24 Aug. 1953

Projection and Grids checked by (IV):

Date:

Control plotted by (III): R. J. Pate

Date: 14 Sept. 1954

Control checked by (III): M. M. Slavney

Date: 14 Sept. 1954

Radial Plot or Stereoscopic

Control extension by (III): M. M. Slavney

Date: 27 June 1955

Planimetry  
Stereoscopic Instrument compilation (III): Inapplicable  
Contours

Date:

Date:

Manuscript delineated by (III): R. A. Reece

Date: 16 Sept. 1955

Photogrammetric Office Review by (III): J. A. Giles

Date: 3 Oct. 1955

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

Date:

Camera (kind or source) (III): C&GS Nine-lens 8 $\frac{1}{4}$ " focal length  
U. S. Navy Single-lens 6" focal length

## PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
<b>Nine-lens</b>				
39564	29 Sept 1952	10:56	1:20,000	Inapplicable
39565	"	10:57	"	"
39566	"	10:58	"	"
39567	"	10:59	"	"
39575	"	11:14	"	"
39576	"	11:15	"	"
<b>Single-lens</b>				
MDA-23-012 to				
23-016 incl.	8 Mar. 1952	18:40	"	"

*Single-lens photography*  
-56-10-4085 to 39 ind., 4154 to 58 ind., 4163 to 67 ind., 4257 to 4261 ind.  
of 23 October 1956 at 1:30 000  
Tide (III)

Reference Station: Inapplicable  
Subordinate Station:  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

*J. J. Streifler*

Date: *Sept. 58*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 60  
Shoreline (More than 200 meters to opposite shore) (III): 36

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

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 5

Recovered: 5

Identified: 4

Number of BMs searched for (II): None

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): None

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

Remarks:

SUMMARY  
TO ACCOMPANY PLANIMETRIC MAP T-9037

This planimetric map is one of project PH-90 (6090). It covers Lake Penchant and vicinity Southwest of Houma in the State of Louisiana near the Gulf of Mexico.

The land area is practically all marsh with some limited swamp and a few narrow strips of woodland along drainage beds. There are some oil wells and associated structures in the southeastern portion of subject area, however, less prominent than in other parts of this project. No roads are found within the limits of this quadrangle and the only means of access is by boat.

T-9037 was compiled graphically at the Tampa District Office in 1955 from 1952 photography and 1953 field inspection. 1956 single-lens photography was made available in 1957 and clearly defined deviations were applied to the original compilation by office interpretation only. The final reproduction medium to obtain good registration copy is the result of an adequately scribed sheet accomplished at the Tampa District Office. Only minor corrections and improvements were required during Washington Office Review.

A Cronar film positive at compilation manuscript scale of 1:20,000 and the Descriptive Report will be registered and filed in the Bureau Archives.

September 1958



## 2. AREAL FIELD INSPECTION

The area is all marsh and swamp land except for a narrow strip of heavy wooded, high ground along both sides of Bayou Mauvais Bois and scattered ridges of high ground.

Bayou Penchant, the largest bayou in this quadrangle, is a sluggish stream entering the area from the northwest. The southern portion of this bayou was filled with hyacinths at the time of photography but is periodically cleared to give access to Lake Penchant for sport fishermen.

An unusual feature of the area is several bayous which have filled with soft marsh until they are no longer streams. There is no mapping symbol provided for such "marsh within marsh"; however, the bayous are landmark features in an area of little detail and it may be desirable to show them in some manner. They have been shown previously on planimetric map T-5288 by an intermittent stream symbol.

The Lake Decade Field of the Superior Oil Company is located in the quadrangle. A sheet showing location data of the wells in the field was furnished the field party by the Superior Oil Company and is being submitted. Because of the type of information given on the sheet it is believed that the wells can be more accurately located by photogrammetric methods. All producing wells in the field have been identified on the photographs.

Field inspection was performed on Navy single-lens ratio prints MDA-23-013 and MDA-23-015, and nine-lens field photographs 39564 and 39565 39566.

As photography was of a fairly recent date, little difficulty was encountered in interpretation. Field inspection is believed to be complete as of 14 April 1953 with no field work being deliberately left for completion surveys. However, the field editor should check closely the oil field mentioned above for any new wells or canals.

## 3. HORIZONTAL CONTROL

All existing horizontal control was searched for and recovered. All stations were identified except for TT 63F(USGS) as it was only 153.6 feet from station PIQUANT 1934 which was identified.

## 4. VERTICAL CONTROL

There are no bench marks in this area and none were established.

5. CONTOURS AND DRAINAGE

Contouring was limited to revision of original Geological Survey contours as shown on the published Bayou du Large Quadrangle of standard fifteen-minute series. These contours were transferred to Navy single lens photographs by the Washington Office to facilitate field work. The entire area was closely checked for contour revisions at time of interior field and shoreline inspection. There were no original contours in the area covered by this report, but one small five foot contour was found around spoil which was pumped into the marsh as a base for an oil tank battery. This contour is shown on photograph 39565.

Drainage of this area is by bayous and canals and is adequately covered by photographs and field inspection notes, where necessary.

6. WOODLAND COVER

Adequately covered by photographs.

7. SHORELINE AND ALONGSHORE FEATURES

The mean high water line along the bayous and lakes is easily interpreted but has been indicated by symbol at intervals to aid the compiler.

The mean low water line is synonymous with the mean high water line.

All alongshore features are adequately covered by the photographs and shoreline inspection notes.

8. OFFSHORE FEATURES

There are none.

9. LANDMARKS AND AIDS

There are no landmarks or aids of any type within the area.

10. BOUNDARIES, MONUMENTS AND LINES

There are no political boundaries in the quadrangle.

See "Special Report, Public Land Lines, Project Ph-90."

11. OTHER CONTROL

None.



12. OTHER INTERIOR FEATURES

There are no roads or bridges within this area. The only buildings are a few trappers' cabins, one oil company house, and three buildings of a private fishing camp. The trappers' cabins are not of substantial construction but due to the lack of other cultural features it is recommended that they be mapped as Class 1 buildings.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project Ph-90."

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Letter of Transmittal No. 90-7, "Special Report, Public Land Lines, Project Ph-90", forwarded to Washington Office 29 April 1953.

Letter of Transmittal No. 90-8, "Special Report, Geographic Names, Project Ph-90", to be forwarded to Washington Office at a later date.

Letter of Transmittal (No number), Public Land Lines data, forwarded to Washington Office 28 January 1953.

1 sheet, Location of Wells, Lake Decade Field, Superior Oil Company.

Letter of Transmittal No. 90-18, Data, Quadrangle T-9037( ),  
forwarded to Washington Office

MAY 5 1953

Submitted  
4 May 1953

*Charles H. Baldwin*  
*by D. J. Fitzgerald*  
Charles H. Baldwin  
Cartographic Survey Aid

Approved & Forwarded  
MAY 5 1953

*E. H. Kirsch*  
E. H. Kirsch  
Chief of Party

COMPILATION REPORT T-9037

PHOTOGRAMMETRIC PLOT REPORT

This report was submitted with T-9672.

31. DELINEATION

The graphic method of compilation was used.

The photographs were clear but only fair in scale.

32. CONTROL.

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Reference Item 5.

No difficulty was encountered in the delineation of drainage. Old bayou beds still visible on photographs have been shown with the intermittent stream symbol.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate. There are no low-water or shoal lines. Alongshore details were delineated without difficulty.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None established.

39. JUNCTIONS

A satisfactory junction has been made with T-9028 on the north; T-9033 on the west; T-9672 on the east; and T-9860 on the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

Drawings belonging to the Louisiana Land and Exploration Company and the United Gas Line Company were used to plot all section lines on the manuscript. Plane coordinate positions of section corners had been computed and lettered on the drawings. These newly established section lines are well placed and can probably be considered as fixed.

G. L. O. plats available in this office cover T-18-S; R-15-E and part of T-19-S; R-19 and 15-E. Except for sections 23, 24, 25 and 26 in T-19S R-15-E, the G. L. O. plats and the aforementioned drawings are in good agreement. Discrepancies have been noted on an ozalid print of the manuscript.

42. OIL WELLS

Oil wells in the LAKE DECADE FIELD could not be located with a sufficient degree of accuracy since they were referenced to public land line corners. Reference Item 41. The field editor is requested to investigate and establish the true positions of the following:

<u>LEASE</u>	<u>WELL NO.</u>	<u>LOCATION</u>
Lake Decade - State "A"	1	1967 feet south and 1946 feet east of northwest corner of Section 27, T19S-R15E Terrebonne Parish
LaTerre Company #1	1	7260 feet north 0°47'27" west and 5946.3 feet north 89°12'33" east from southeast corner of Section 32. Location being in Section 27, T19S-R15E Terrebonne Parish.

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41. REMARKS

Slight discrepancies in the junction with T-9033(Ph-21) to the west were resolved by making minor adjustments in the detail.

All features altered were of minor importance.

Please note Item 39 (Junctions) Descriptive Report T-9859.

<u>LEASE</u>	<u>WELL NO.</u>	<u>LOCATION</u>
LaTerre Company #2	2	7260 feet north 00°47'27" west and 4625.8 feet north 89°12' 33" east from southeast corner of Section 32. Location being in Section 28, T19S-R15E Terrebonne Parish
LaTerre Company #2	3	7260 feet north 00°47'27" west and 8586.3 feet north 89°12' 33" east from southeast corner of Section 32. Location being in Section 27, T19S-R15E Terrebonne Parish.
LaTerre Company #4	4	9900 feet north 00°47'27" west and 9907.8 feet north 89°12' 33" east from southeast corner of Section 32. Location being in Section 27, T19S-R15E Terrebonne Parish.
LaTerre Company #5	5	5894.83 feet south and 3345 feet east of northwest corner of Section 27. Location being in Section 34, T19S-R15E Terrebonne Parish.

#### 46. COMPARISON WITH EXISTING MAPS

A comparison was made with U. S. Geological Survey Quadrangle BAYOU DU LARGE, scale 1:62,500, edition of 1944. Only changes that might be expected due to passage of time have taken place.

Comparison was also made with C&GS Survey T-5288, LAKE PENCHANT, scale 1:20,000, compiled from photographs taken in 1932.

The two surveys are in fair agreement.

#### 47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with C&GS Chart No. 1050, scale 1:175,000, published Oct. 1939, first edition, corrected to 23 June 1952. There we no changes worthy of note.

ITEMS TO BE ZPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None

*Richard A. Reece*  
Richard A. Reece  
Carto Photo Aid

APPROVED AND FORWARDED

*H. C. Applequist*  
*for*

Ira R. Rubottom, Chief of Party

SCALE FACTOR

1 FT. = .3048006 METER	DATE 10/16/53	DATE 10/16/53	COMM. DC. 57843
COMPUTED BY: B. Wilson	CHECKED BY: J. Steinberg	DATE 10/16/53	13a



T-9037.

Geographic Names.

Bayou Copasaw  
Bayou de Cade  
Bayou de Loutre  
Bayou Mauvais Bois  
Bayou Penchant  
Brady Canal

Carrion Crow Bayou.

Lake de Cade  
Lake Penchant  
Little Carrion Crow Bayou  
Louisiana

Mauvais Bois Ridge

Peoples Canal

Superior Canal

Terrebonne Parish  
Turtle Bayou

Names approved 11-28-56

L. Heck.

L. Heck

JUG LAKE

50.

## PHOTOGRAMMETRIC OFFICE REVIEW

T-9037

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

Unclassified

## CONTROL STATIONS

~~Classification label~~

5. Horizontal control stations of third-order or higher accuracy MMS 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 JG 11. Detail points JG

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline JG 13. Low-water line JG 14. Rocks, shoals, etc. XX 15. Bridges XX 16. Aids to navigation XX 17. Landmarks XX 18. Other alongshore physical features JG 19. Other along-shore cultural features JG

## PHYSICAL FEATURES

20. Water features JG 21. Natural ground cover JG 22. Planetable contours JG 23. Stereoscopic Instrument contours XX 24. Contours in general XX 25. Spot elevations XX 26. Other physical features JG

## CULTURAL FEATURES

27. Roads XX 28. Buildings JG 29. Railroads XX 30. Other cultural features JG

## BOUNDARIES

31. Boundary lines XX 32. Public land lines JG

## MISCELLANEOUS

33. Geographic names JG 34. Junctions JG 35. Legibility of the manuscript JG 36. Discrepancy overlay JG 37. Descriptive Report JG 38. Field inspection photographs JG 39. Forms JG  
40. Jesse A. Giles William A. Basore  
Reviewer 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:

M-2623-12

REVIEW REPORT OF  
PLANIMETRIC MAP T-9037  
SEPTEMBER 1958

62. Comparison with Registered Topographic Surveys

T-5288      1:20,000      1934

In the exploration and development of oil, additional waterways have been dredged since 1934. Otherwise only minor differences exist between these surveys. The subject survey is to supersede the survey of 1934 of common areas for nautical charting purposes.

63. Comparison with Maps of Other Agencies

BAYOU DU LARGE, LA., 1:62,500, 1940, U. S. Geological Survey.

Differences listed under item 62 apply to this 15 minute quadrangle also.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

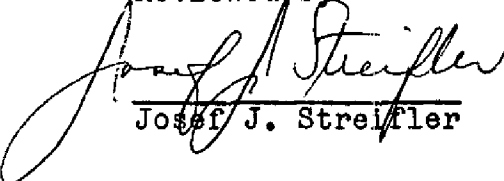
1050      1:175,000      Revised to 58 5/12

There are some prominent canals, recently dredged within the limits of subject survey, that could be added to nautical chart 1050 at some future time. The lack of these features on the present chart do not make it inadequate in consideration of the scale of 1:175,000.

66. Adequacy of Results and Future Surveys

The application of changes to the original compilation as clearly indicated on 1956 photography by office interpretation only, appears sufficiently adequate in this case. The lack of an additional field inspection or of a completion survey do not necessarily indicate deficiencies in adequacy or accuracy.

Reviewed by

  
Josef J. Streifler

*L. C. Lande*

Chief, Review and Drafting Sec.  
Photogrammetry Division

*Max Skidells*

Chief, Nautical Charts  
Branch  
Chart Division

*Paul Pearson*

Chief, Photogrammetry Division

22 July 59

*1978*

*W. H. H. H.*

Chief, Coastal Surveys

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-9037

### Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.