

9860

Diag. Cht. Nos. 1116-2 & 1275-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-90 Office No. T-9860

LOCALITY

State Louisiana

General locality Gulf Coast

Locality Caillou Lake to Eagle Lake

1945 52-56

CHIEF OF PARTY

E.H.Kirsch, Chief of Field Party

H.C.Applequist, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE July 31, 1959

9860

DESCRIPTIVE REPORT - DATA RECORD

T -9860

Project No. (II): 6090

Quadrangle Name (IV):

Field Office (II): Houma, La.

Chief of Party: E. H. Kirsch

Photogrammetric Office (III): Tampa, Fla.

Officer-in-Charge: H. C. Applequist

Instructions dated (II) (III): 5 Sept. 1952
25 Sept. 1952 (Supplement 1)
30 Sept. 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):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 12/17/58

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): NA 1927

Vertical Datum (III): M.H.W.

~~Mean low water~~ 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): MERCHANT 1934 ✓

Lat.: 29° 20' 11." 720 (360.8m) ✓

Long.: 90° 57' 34." 295 (925.2m) ✓

Adjusted

~~100.0000~~

Plane Coordinates (IV):

State:

Zone:

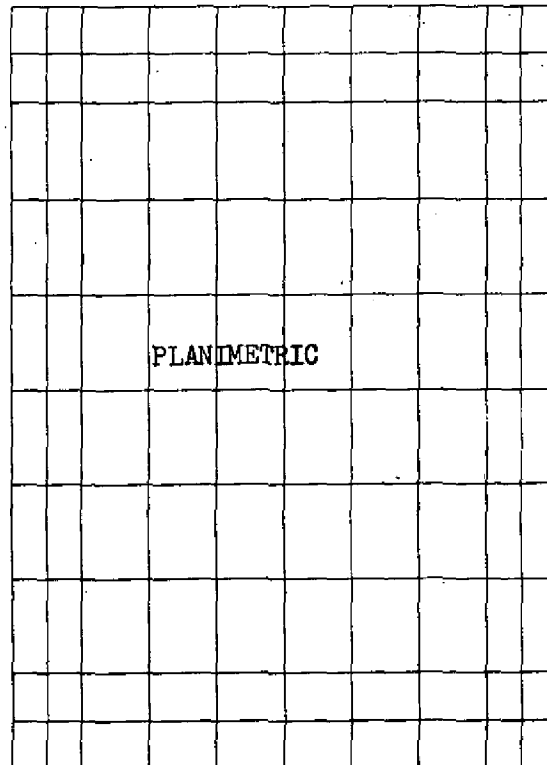
Y=

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **W. M. Reynolds**

Date: **Dec. 1952**
Apr. 1953 ✓

Planetable contouring by (II): **None**

Date:

Completion Surveys by (II): *None*

Date:

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

Projection and Grids ruled by (IV): **Austin Riley (W O)**

Date: **31 Aug. 1953** ✓

Projection and Grids checked by (IV): **H. D. Wolfe (W O)**

Date: **4 Sept. 1953** ✓

Control plotted by (III): **J. S. Steinberg**

Date: **10 Dec. 1953** ✓

Control checked by (III): **R. J. Pate**

Date: **15 Sept. 1954** ✓

Radial Plot ~~XXXXXXXXXX~~

Date: **28 June 1955** ✓

~~XXXXXXXXXX~~ by (III): **M. M. Slavney**

Stereoscopic Instrument compilation (III):
Planimetry
Contours **inapplicable**

Date:

Date:

Manuscript delineated by (III): **R. Dossett**

Date: **29 Dec. 1955**

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

Date: **6 Jan. 1956**

Elevations on Manuscript
checked by (II) (III): **J. A. Giles**

Date: **29 Dec. 1955**

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS 9 lens, 8 $\frac{1}{2}$ " focal length

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
39574 ✓	29 Sept. 1952	1113	1:20,000	
39575 ✓	"	1114	"	Little or
39576 ✓	"	1115	"	no tide
39601 ✓	"	1152	"	M.H.W. & M.L.W.
39602 ✓	"	1153	"	Synonymous
39603 ✓	"	1154	"	

1956 single-lens photography:

56-W-4257 to and incl. 4261 23 October 1956 1:30 000
4544 " " " 4548 24 " " "
4578 " " " 4582 " " " "

Tide (III)

Reference Station: No tide

Subordinate Station:

Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

Josef J. Streifler

Date:

Oct. 1958

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): 68 ✓

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 6 ✓

Recovered: 4 ✓

Identified: 4 ✓

Number of BMs searched for (II): 3 ✓

Recovered: 1 ✓

Identified: 1 ✓

Number of Recoverable Photo Stations established (III): 0

Number of Temporary Photo Hydro Stations established (III): 0

Remarks:

Summary
to accompany planimetric map T-9860

T-9860 is a planimetric map of project Ph-90 (6090). The project consists of planimetric and topographic maps covering the coastal area between Atchafalaya Bay and Barataria Bay on the Gulf of Mexico in the State of Louisiana.

Subject survey covers Lake Mechant and vicinity. The land area is all marsh, interlaced with lakes, bayous and canals. There are numerous cabins and several shrimp drying platforms, whose occupation is only seasonal. The only means of access is by boat through the many waterways. Oil-drilling activities throughout the entire project have not penetrated the area within the limits of this map as yet.

The entire project was originally compiled during 1955-56 at the Tampa District Office from nine-lens and MDA single-lens photography of 1952 and results of field inspection of 1953. 1956 single-lens photography was applied in 1956 and 1957 to all sheets of this project. Completion survey was limited to areas accessible by road only and subject survey being without such means of communication was revised from stated photography by office interpretation only.

As per instructions, a copy of the final compilation manuscript will be submitted to the U. S. Geological Survey to make this later planimetry and contour revisions available to that agency for the purpose of publishing a new series of topographic maps at the scale of 1:62500 of this area.

A cronar film positive at the compilation scale of 1:20000 and the Descriptive Report will be registered and filed in the Bureau Archives.

Oct. 1958

2. AREAL FIELD INSPECTION

The entire area is marsh and is uninhabited except for seasonal occupation by trappers of the many cabins located throughout the marsh. It is undeveloped and can be reached only by shallow draft boats through the many bayous, canals and lakes. Bayou du Large affords an outlet to the Gulf of Mexico.

The only industries are fishing and trapping, however, the exploration and development of oil and natural gas fields is in progress both to the north and to the south and will probably be extended into the area in the future.

Field inspection was performed on the following photographs: 39575, 39576, 39601, 39602 and 39603. Photography was of recent date and of good quality and no difficulty was encountered in their interpretation in the field. Field inspection is believed complete and no items were deliberately left for the field editor.

3. HORIZONTAL CONTROL

All control was searched for and where recovered was identified on the photographs.

The following station was reported lost: BEND 1934.

No supplemental control was established by the field party.

4. VERTICAL CONTROL

The only vertical control within the area was LAKE MECHANT TIDAL BENCH MARK 1, 2 and 3. LAKE MECHANT TIDAL BENCH MARK 3 was recovered and identified.

No fly levels were run by the field party.

5. CONTOURS AND DRAINAGE

Contouring was limited to a check for revision of contours as shown on the published quadrangle compiled by the U. S. Geological Survey. The area was closely checked and elevations were determined for any spoil which appeared to be above the contour interval. These elevations were determined by obtaining the water elevation at Lake Mechant Tidal Bench Mark 3. Then the water level at the spoil was used to determine the spoil elevation by hand level.

All drainage is through the many bayous and canals. These are self-evident from the photographs.

6. WOODLAND COVER

Adequately covered by the photographs.

7. SHORELINE AND ALONGSHORE FEATURES

The mean high water line in most cases is apparent shoreline. The exception to the above being the southeast bank of Bayou du Large. This bank is fast shoreline and adequately covered by the field inspection photographs.

There is little or no periodic tide and the low water line would be synonymous with the mean high water line.

All docks, wharves, piers, etc. are adequately covered by the photographs.

There are no submarine cables within the area.

8. OFFSHORE FEATURES

Adequately covered by the photographs.

9. LANDMARKS AND AIDS

There are no landmarks for nautical charts within the area.

There are no aeronautical aids within the area.

All aids to navigation are adequately covered by the photographs and Form 567.

10. BOUNDARIES, MONUMENTS AND LINES

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

11. OTHER CONTROL

None was established.

12. OTHER INTERIOR FEATURES

There are no roads in the area.

The only buildings are previously mentioned cabins in the marsh. These have been labeled "cabins" on the photographs and should be shown as Class 1 buildings for their landmark value.

There are no bridges or cables over navigable waters.

There are no airports or landing fields.

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" and other land lines data, forwarded to Washington Office 29 April 1953.

Letter of Transmittal dated 28 January 1953, public land lines data forwarded to Washington Office, same date.

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. 90-9, "Special Report, Boundaries, Project Ph-90", forwarded to Washington Office 6 May 1953.

Letter of Transmittal No. 90-36, Data, Quadrangle T-9860(),
forwarded to Washington Office **MAY 15 1953**

Submitted
14 May 1953

William M. Reynolds
William M. Reynolds
Cartographic Survey Aid

Approved & Forwarded

MAY 15 1953

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

COMPILATION REPORT T-9860

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9672

31. DELINEATION.

The scale of the photographs was reasonably good. Small clouds created obscurity on some photographs(39601-39602). These areas however were visible on the photographs of another flight line.

The field inspection was adequate.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

The drainage was delineated as shown on the photographs and according to field inspection notes.

Contours were applied according to special instructions for this project.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline and alongshore details have been delineated as shown photographically and according to field inspection notes which were adequate. No low-water or shoal lines have been shown.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

No Statement

38. CONTROL FOR FUTURE SURVEYS

None submitted by field inspector.

39. JUNCTIONS

A satisfactory junction has been secured with T-9037 on the north; T-9859 on the west; T-9861 on the east; and T-9870 on the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

The section lines applied are in lieu of the G.L.O. plats and have been taken from 1:20,000 scale section line surveys made by the Louisiana Land and Exploration Company and the United Gas Line Company. They were submitted by the field inspection party. It is thought that these surveys will be approved eventually by the Bureau of Land Management.

That part of the manuscript, falling in T-21s, Ranges 14, 15, and 16E, which has been shown, was taken from the old G.L.O. plats, the remainder or extreme southern part of the quadrangle is unsurveyed.

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

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with C&GS Air photo compilation No. T-5289 made in November 1932, scale 1:20,000. Except for a slightly receded shoreline, due to natural erosion, and two short man-made canals, little difference was noted.

A comparison was also made with the U. S. Geological Survey Quadrangle "Bayou du Large, La." scale 1:62,500, surveyed in 1940. The same discrepancy noted above is applicable.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with C&GS Nautical Chart No. 1050, scale 1:175,000, published Oct. 1939, with a print date of 26 May 1953. In addition a comparison was made with C&GS Nautical Chart No. 1275, scale 1:80,000, published May 1938 and bearing a print date of August 1952. The maps listed under Item 46 appear to be the source of topography of the nautical charts and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Rudolph Dossett
Rudolph Dossett
Carto Photo Aid

Approved and Forwarded.

H. C. Applequist
H. C. Applequist
Chief of Party.

T-9860.Geographic Names.Bayou ChevreauBayou de CadeBayou du LargeBayou DufreneBayou JakeBayou J nesBayou New RouteCaillou LakeEagle LakeFred BayouGoose BayGrand PassHog PointJug LakeKing LakeLake MechantLittle Bayou ChevreauLouisianaMud LakeRaccourci BayRaccourci BayouSmall Bayou la PointeTerrebonne ParishTurtle BayouVoss Canal

Names approved 11-27-56

L. Heck
L.H.

SCALE FACTOR

1 FT. = 30.48006 METER
COMPUTED BY: B. Wilson
DATE: 10/22/53
CHECKED BY: J. Steinberg
DATE: 10/22/53
COMM-DC-57843

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Photogrammetric Review Branch

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

~~TO BE DELETED~~

STRIKE OUT ONE

Trans Transcription Office 29 December

195

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 H. J. J. J. J. J.

H. C. Campbell

Chief of Party.

[illegible]

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 character of the data and not the

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9860

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

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy M.M.S. 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) J.G. 7. ~~Photo hydro stations~~ XX 8. Bench marks J.G.
9. Plotting of sextant fixes XX 10. Photogrammetric plot report J.G. 11. Detail points J.G.

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines J.G. 32. Public land lines J.G.

MISCELLANEOUS

33. Geographic names J.G. 34. Junctions J.G. 35. Legibility of the manuscript J.G. 36. Discrepancy overlay XX 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G.

40. Jesse A. Giles William A. Pasura
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:

16

Review Report of
Planimetric Map T-9860
October 1958

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-5289 1:20000 1934

There is one prominent canal on T-9860 extending all the way across the sheet from about the center of east edge north-westward to the NW corner, not shown on previous survey. Other differences are minor between these two maps. Subject survey is to supersede above-listed survey of 1934 of common areas for nautical charting purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

BAYOU DU LARGE, LA., 1:62500 Ed. of 1944, U. S. Geological Survey

The topographic quadrangle, survey in 1940, indicates the same deviations listed under item No. 62.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

None!

65. COMPARISON WITH NAUTICAL CHARTS:

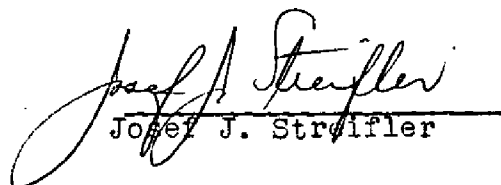
1275	1:80000	Revised to 57	9/16
1050	1:175000	Revised to 58	5/12

There is good agreement between nautical chart 1050 and subject survey. A canal of considerable length northeast of Lake Mechant is shown on subject survey and on chart 1050; but does not appear on chart 1275. It is suggested, that this feature be applied to the effected chart at the appropriate time.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

Single-lens photography of 1956 was applied to the original compilation without benefit of additional field inspection or completion survey. In consideration of the area involved, the applied method seems appropriate and subject survey is believed to be within the requirements of adequacy and accuracy.

Reviewed by:


Joseph J. Streifler

APPROVED BY:

L. C. Lande
Chief, Review & Drafting Section
Photogrammetry Division

Max Whitely
Chief, Nautical Chart Branch
Charts Division

W. W. L. L. L.
Chief, Photogrammetry Division

W. W. L. L. L.
Chief, Coastal Surveys Division

9 July 59

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9860

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.