

9864

Diag. Cht. Nos. 1116-2 & 1274-2.

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-90 Office No. T-9864

LOCALITY

State Louisiana

General locality Gulf Coast

Locality Lake Racourci to Lake Tambour

19A 52-56

CHIEF OF PARTY
E.H.Kirsch, Chief of Field Party
H.C.Applequist, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE July 31, 1959

B-1870-1 (1)

9864

DESCRIPTIVE REPORT - DATA RECORD

T-9864

Project No. (II): 24200 Quadrangle Name (IV):

Field Office (II): Houma, La.

Chief of Party: E. H. Kirsch

Photogrammetric Office (III): Tampa Fla.

Officer-in-Charge: H. C. Applegquist

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 OCT 19 1956 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): N.A. 1927

Vertical Datum (III): MHW

~~Mean sea level~~ except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (S) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): CHIEN 1934

Lat.: 29°19'12".136(373.6m)

Long.: 90°26'03".633(98.0m)

Adjusted
~~Unadjusted~~

Plane Coordinates (IV):

State:

Zone:

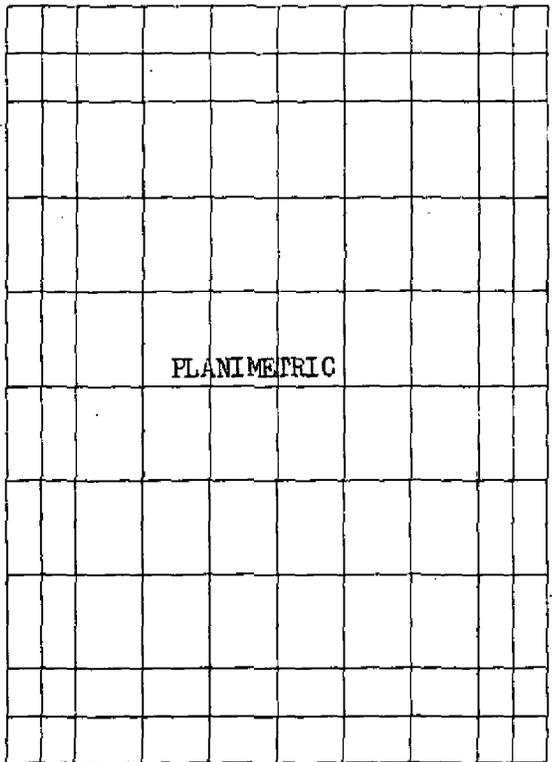
Y=

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.

DESCRIPTIVE REPORT - DATA RECORD



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

DESCRIPTIVE REPORT - DATA RECORD

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

Date: Apr. 1953

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II): *None!*

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

Date: 2 Sept. 1953

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

Date: 4 Sept. 1953

Control plotted by (III): R. R. Wagner

Date: 21 Oct. 1954

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

Date: 21 Oct. 1954

Radial Plot of ~~Stereoscopic~~

Date: 14 March 1956

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

Stereoscopic Instrument compilation (III):
Planimetry
Contours

Date:

Inapplicable

Date:

Manuscript delineated by (III): R. Dossett

Date: May 1956

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

Date: Sept. 1956

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS Nine-lens

| Number | Date | PHOTOGRAPHS (III) | | Scale | Stage of Tide |
|--------|---------------|-------------------|--|----------|-----------------|
| | | Time | | | |
| 39583 | 29 Sept. 1952 | 11:23 | | 1:20,000 | Tide Negligible |
| 39584 | " " " | 11:24 | | " | " " |
| 39585 | " " " | 11:25 | | " | " " |
| 39593 | " " " | 11:42 | | " | " " |
| 39594 | " " " | 11:43 | | " | " " |

1956 single-lens photography:

*56-W-4240 to and incl. 4245 23 October 1956 1:30000
4527 " " " 4531 24 " " "
4594 " " " 4599 " " " "*

Tide (III)

Tide Negligible

| Ratio of Ranges | Mean Range | Spring Range |
|-----------------|------------|--------------|
| | | |
| | | |
| | | |

Reference Station:
Subordinate Station:
Subordinate Station:

Washington Office Review by (IV):

Josef J. Streifler

Date: *Nov. 58*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): *37*
Shoreline (More than 200 meters to opposite shore) (III): *80*
~~Shoreline (Less than 200 meters to opposite shore) (III):~~
Control Leveling - Miles (II): *None*
Number of Triangulation Stations searched for (II): *4* Recovered: *2* Identified: *2*
Number of BMs searched for (II): *6* Recovered: *3* Identified: *3*
Number of Recoverable Photo Stations established (III): *1**
Number of Temporary Photo Hydro Stations established (III): *None*

Remarks: * Form 524 submitted for privately maintained light.

Summary
to accompany planimetric map T-9864

Subject survey is one of project Ph-90 (6090), which consists of planimetric maps and topographic quadrangles. Located in the State of Louisiana, the project covers the coastal area between Atchafalaya Bay and Barataria Bay on the Gulf of Mexico.

T-9864 is directly north of Timbalier Bay and covers Lake Felicity and the land area surrounding it. This land area is all marsh and uninhabited, except for a few seasonal trappers cabins. There is no road of any kind within the limits of the map and the only means of access is by boat. Along the northern edge of subject area is limited evidence of oil drilling activity.

This map was compiled in 1956 at the Tampa District Office from 1952 nine-lens photography and results of 1953 field inspection. In 1957-58 revisions were applied (shoreline changes only) from 1956 single-lens photography by office interpretation only.

A copy of the final compilation manuscript will be submitted to the U. S. Geological Survey for their use in preparing a new series of topographic quadrangles at the scale of 1:62500.

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

Nov. 1958

2. AREAL FIELD INSPECTION

The entire area is marsh and is uninhabited except for seasonal occupation of the numerous cabins throughout the marsh by trappers and their families during the trapping season.

The chief industries are fishing, trapping, and the exploration and development of oil and natural gas fields in the order named.

The area is inaccessible except by shallow draft boat from the end of the road at Bayou Pointe au Chien to the north thence along the many bayous, canals and lakes throughout the quadrangle.

Field inspection was performed on nine-lens photographs Nos. 39583, 39584, 39593, 39594, and 39595. The photography was of recent date and no difficulty was encountered in interpreting the photographs in the field.

No items were deliberately left for the field editor but some new canals to drilling sites were located on photograph 39583 and more will probably be dredged by the time of field edit.

3. HORIZONTAL CONTROL

The following stations were reported lost: FELT 1934 and FELIC 1934.

No supplemental control was established by the field party.

4. VERTICAL CONTROL

Six tidal bench marks were searched for and three were recovered. The recovered bench marks are LAKE FELICITY TIDAL BENCH MARKS 2 and 3 and LAKE RACCOURCI TIDAL BENCH MARK 3.

No supplemental elevations were established.

5. CONTOURS AND DRAINAGE

Contouring was limited to revision of contours of the published quadrangle of the U. S. Geological Survey. The area was closely inspected and no areas were noted that would be above the contour interval.

Drainage is through the many bayous and canals and these are self-evident from the photographs.

6. WOODLAND COVER

Adequately covered by the photographs.

7. SHORELINE AND ALONGSHORE FEATURES

Practically all shoreline in the quadrangle is apparent at edge of marsh. The small amount of fast shoreline has been indicated on the photographs. There is very little periodic tide and the mean low water line is synonymous with the mean high water line.

All piers and other shoreline structures have been indicated on the photographs.

8. OFFSHORE FEATURES

There are none.

9. LANDMARKS AND AIDS

There are no landmarks of any nature within the quadrangle.

There are no aeronautical aids within the area.

One privately maintained fixed aid to navigation was identified on photograph 39584 for location by the radial plot. This light is not listed and the official name could not be obtained.

10. BOUNDARIES, MONUMENTS AND LINES

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

11. OTHER CONTROL

Twelve previously established topographic stations have been reported as lost on Form 524. One recoverable topographic station was established at^san aid to navigation.

12. OTHER INTERIOR FEATURES

There are no roads in the area.

The only buildings are seasonal cabins used by trappers and should be shown as Class 1 buildings due to scarcity of other detail and for their landmark value.

There are no bridges or cables over navigable streams.

There are no airports or landing fields.

Part of Bayou Jean Lacroix Field of the Humble Oil and Refining Company is located within the quadrangle and contains one currently producing well. A map of the field is being furnished which gives the position of the well on the Louisiana State Plane Coordinate System, South Zone (Lambert).

13. GEOGRAPHIC NAMES

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

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Letter of Transmittal No. 90-5, Forms 567, to be forwarded to Washington Office at a later date.

Letter of Transmittal No. 90-6, Forms 567, to be forwarded to Photogrammetric Office at a later date.

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

Letter of Transmittal, Public Land Lines data, forwarded to the Washington Office 28 January 1953.

Letter of Transmittal No. 90-8, "Special Report, Geographic Names, Project Ph-90", to be forwarded to the 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.

Map, Bayou Jean Lacroix Field, Humble Oil & Refining Company.

Letter of Transmittal No. 90-25, Data, Quadrangle T-9864() forwarded to Washington Office

Submitted
6 May 1953

William M. Reynolds
William M. Reynolds
Cartographic Survey Aid

Approved & Forwarded

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

COMPILATION REPORT T-9864

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9865.

31. DELINEATION

Compiled graphically. The photographs were tilted and considerable obscurity of details, due to clouds, was encountered.

The field inspection was adequate.

32. CONTROL

See Radial 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 are inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline was delineated as apparent except in one or two small areas of shell bank, shown as M.H.W. No low-water line or shoal was indicated by the field inspector.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

Reference Item 9.

One privately maintained light was identified and delineated. Its geographic position was established by the radial plot,

38. CONTROL FOR FUTURE SURVEYS

One (1) topographic station is being submitted on Form 524. It has been listed under Item No. 49.

39. JUNCTIONS

A satisfactory junction has been secured with T-9675 on the North, T-9874 on the South, T-9863 on the West, and T-9865 on the East.

40. HORIZONTAL AND VERTICAL ACCURACY

No Statement.

41. PUBLIC LAND LINES

The source of information for public land lines are the General Land Office plats of 1859, a print having the townships T18S R20 & 21E, T 19S R20 & 21 E by T. Baker Smith and a traverse by Mr. Smith for United Gas Pipe Line. The traverse was plotted but it would not hold to the pipe line as shown. However it was used in the following way: The bearings taken from the above print by Smith were projected southward from T-19S R 20 E and the corners plotted from the traverse were held on these bearings. The plats were used to take distances for incomplete sections and for T-21S -R20E. The public land lines as shown do not agree with the topography on the plats. However they agree favorably with USGS Quadrangle LAKE FELICITY, LA. and the county maps.

See Item 41 of T-9675.

42. BOUNDARIES

Attention is called to the Parrish boundary line at the junction of Grand Pass Felicity and Bayou Point au Chien. Reference Page 7 of Boundary Report for an explanation.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with U.S.C.&G.S. AIR PHOTO COMPILATION No. T-5297 (Photograph of 1932) scale 1:20,000 and U.S.G.S. Quadrangle LAKE FELICITY, SCALE 1:62,500, surveyed in 1939. The only discrepancies noted other than natural shoreline erosion was a pipeline canal extending diagonally from S.E. to N.W. of the map manuscript and Additional Oil Co. Canals at 90 27'30" near the northern neat line.

47. COMPARISON WITH NAUTICAL CHARTS.

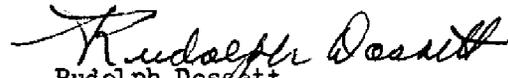
Comparison was made with Nautical Chart No. 1274, scale 1:80,000 published in July 1938, corrected to 13 Aug. 1956. Also Nautical Chart No. 1050, scale 1:175,000, published Oct. 1939 and corrected to 26 June 1953. The same discrepancies noted under Item 46 were observed.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.


Rudolph Dossett
Carto Photo Aid

Approved and Forwarded

William A. Rasur

for H. C. Applequist
Chief of Party

T-9864.Geographic Names.Bay de la ValleBayou Casse-teteBayou de la ValleBayou du DiableBayou Jean LacroixBayou LeblancBayou MarionetteBayou Pointe au Chien (abbreviate as Pte, not Pt)Bayou St Jean CharlesBayou PoulailierCoupe CreuseDeep CutFelicity BayouFelicity IslandGrand CutGrand Pass FelicityGrand PointLafourche ParishLake BarreLake BilliotLake ChienLake du DiableLake FelicityLake RaccourciLake TambourLake Trois JeansLouisianaOld Lady LakeTerrebonne Parish

Names approved 11-28-56

L. Heck *L.H.*

49. NOTES FOR THE HYDROGRAPHER

The following topographic stations will be useful to the hydrographer:

LIGHT 1953 (Privately maintained)

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9864

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

unclassified

CONTROL STATIONS

(a. Classification label unclassified)

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 XX 14. Rocks, shoals, etc. XX 15. Bridges XX 16. Aids to navigation J.G. 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 XX 23. Stereoscopic instrument contours XX 24. Contours in general XX 25. Spot elevations XX 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 J.G. 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G.

40. Jesse A. Giles Reviewer William A. Rasure Supervisor, Review Section or Unit William A. Rasure

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.

Complier

Supervisor

43. Remarks:

Review Report of
Planimetric Map T-9864
November 1958

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

| | | |
|--------|---------|------|
| T-6067 | 1:20000 | 1934 |
| T-5297 | 1:20000 | 1934 |

Differences in shoreline are considerable. In addition, there are some newly dredged canals appearing on subject survey only. T-9864 is to supersede above-listed registered topographic surveys for nautical charting purposes of common areas.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

7½' LAKE FELICITY, LA., 1:31680, 1935, U. S. Geological Survey
LAKE FELICITY, LA., 1:62500, Ed. of 1944, U. S. Geological Survey

The same differences were noted here as listed under item No. 62.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

None!

65. COMPARISON WITH NAUTICAL CHARTS:

| | | | |
|------|----------|---------------|------|
| 1274 | 1:80,000 | Revised to 58 | 6/23 |
| 1050 | 1:175000 | " " " | 5/12 |

There are only minor shoreline differences between subject planimetric map and the two nautical charts. *See #47 Page 11*

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

The applied revisions from 1956 photography without additional field inspection nor completion survey appear appropriate and adequate and no deficiencies in accuracy or adequacy are indicated.

Reviewed by:

Joseph J. Streifler

Joseph J. Streifler

APPROVED BY:

L C Lande

Chief, Review & Drafting Section
Photogrammetry Division

Wm B. Kelts

Chief, Nautical Chart Branch
Charts Division

L L Swanson

Chief, Photogrammetry Division

W. L. Sull

Chief, Coastal Surveys Division

17 July '59 *MSB*

