

9677

Diag. Cht. Nos. 1116-2 & 1273-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-90 Office No. T-9677

LOCALITY

State Louisiana

General locality Gulf Coast

Locality Golden Meadow Farms

1952-56

CHIEF OF PARTY

E.H.Kirsch, Chief of Field Party

H.C. Applequist, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE July 21, 1959

2296

DESCRIPTIVE REPORT - DATA RECORD

T - 9677

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

Field Office (II): Houma, Louisiana

Chief of Party: E. H. Kirsch

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: H. C. Applequist

Instructions dated (II) (III): 5 Sept. 1952

Copy filed in Division of
Photogrammetry (IV)

Supplement #1 25 Sept. 1952

Supplement #2 30 Sept. 1952

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): 12-21-56 Date reported to Nautical Chart Branch (IV): 1-16-57

Applied to Chart No.

Date:

Date registered (IV): 7/14/58

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N. A. 1927

Vertical Datum (III):

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): BRUSLE, 1934

Lat.: 29°29'31".974 (984.4m.) Long.: 90°09'35".684 (961.3m.)

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

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

Date: **Jan. 1953**

Planetable contouring by (II): **W. M. Reynolds**

Date: **Jan. - Feb. 1953**

Completion Surveys by (II):

None!

Date:

Mean High Water Location (III) (State date and method of location):

Jan. 1953

Air Photo Compilation

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

Date: **3 Sept. 1953**

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

Date: **3 Sept. 1953**

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

Date: **19 Oct. 1955**

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

Date: **19 Oct. 1955**

Radial Plot ~~by (III):~~ **M. M. Slavney**

Date: **16 March 1956**

~~Control extension~~ by (III):

Stereoscopic Instrument compilation (III):
Planimetry
Contours

Inapplicable

Date:

Date:

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

Date: **5 Nov. 1956**

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

Date: **9 Nov. 1956**

Elevations on Manuscript

checked by (II) (III):

J. A. Giles

Date: **8 Nov. 1956**

DESCRIPTIVE REPORT - DATA RECORD

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

Number	Date	Time	Scale	Stage of Tide
MDA 23-32	8 March 1952	1840	1:20,000	No Tide
to	"			
MDA 23-35	29 Sept. 1952	1042	"	"
39552	"	1044	"	"
39553	"	1046	"	"
39554	"			

Single-lens photography:

SB-W-4110 to and incl. 4114 23 October 1956 1:30,000
SB-W-4129 . . . 4133 " "
SB-W-4189 . . . 4193 " "
SB-W-4232 . . . 4236 " "

Tide (III)

Inshore quadrangleReference Station:
Subordinate Station:
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

J. J. Streifler

Date:

Sept. 1958

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): **24**
~~Shoreline (less than 200 meters to opposite shore) (III):~~
Control Leveling - Miles (II): **Inapplicable**
Number of Triangulation Stations searched for (II): **4**
Number of BMs searched for (II): **0**
Number of Recoverable Photo Stations established (III): **0**
Number of Temporary Photo Hydro Stations established (III): **0**

Recovered: **2***Identified: **2**Recovered: **0**Identified: **0**

Remarks:

***Reference Mark No. 1 for GOLDEN, 1934 was recovered and identified. The
Triangulation Station itself was reported destroyed.**

Summary
to accompany topographic map T-9677

T-9677 is a topographic survey of Ph-90 (6090). The area covered is directly east of Golden Meadow on Bayou La Fourche in the State of Louisiana near the Gulf of Mexico.

Except for a narrow strip of woodland along West Fork Bayou L'Ours and Bayou Raphael the entire area is marsh interspersed with lakes, bayous and canals. There are some scattered oil wells and tanks and a few cabins accessible only by boat.

The manuscript was compiled originally in 1955 from 1952 nine-lens photography and 1953 field inspection. Later photography (single-lens from 1956) was used for extensive changes to the original compilation by office interpretation only. The positive medium for reproduction of this quadrangle as submitted to the Washington Office by the Tampa District Office is the result of an adequately scribed sheet.

Hydrographic information will be added to a copy of the compilation manuscript according to U. S. Geological Survey specifications and released to that agency for the publication of a standard $7\frac{1}{2}$ minute quadrangle at the scale of 1:24,000. This will replace a previous publication of the same area (GOLDEN MEADOW FARMS, LA.) by the Geological Survey of 1935 at the scale of 1:31680.

The following material will be registered and filed in the Bureau Archives:

One Cronar film positive at manuscript scale of 1:20000.
The Descriptive Report.
A print in colors after final printing by G. S. at scale of 1:24,000.

Sept. 1958

2. AREAL FIELD INSPECTION

This quadrangle is located in southern Louisiana, approximately 50 miles southwest of New Orleans and just east of the town of Golden Meadow.

The area is entirely marsh except for old natural levees of some of the bayous and is accessible only by boat.

The principal industry is the exploration and development of oil and natural gas fields. Muskrat trapping is of importance too.

Field inspection is believed complete and was performed on the following photographs: MDA-23-32, MDA-23-34, and MDA-23-36 - single lens prints at scale of 1:20,000; and nine-lens photographs 39552 thru 39554, scale 1:20,000. All photographs were of good quality and no difficulty was encountered in their interpretation in the field.

3. HORIZONTAL CONTROL

The following horizontal control stations were reported lost: LAK 1934, TOP 1934, and GOLDEN 1934.

GOLDEN RM NO 1 1934 was identified in lieu of GOLDEN 1934 which was reported lost.

No additional control was established by the field party.

4. VERTICAL CONTROL

No vertical control exists within the quadrangle.

5. CONTOURS AND DRAINAGE

The only elevations above the contour interval are along spoil banks of the canals. Elevations of these spoil banks and for spot elevations in the marsh were determined by setting temporary tide staffs at Bayou Lafourche and Little Lake. The staff in Bayou Lafourche was referenced to third-order bench marks along the highway, while the Little Lake tide staff was referenced to Little Lake Tidal Bench Marks. The staffs were read and recorded at 30 minute intervals. All elevations were determined by hand level from water level. The time of hand level readings were recorded and then reduced in reference to the recorded reading of the staff.

All drainage is tidal and is easily identified from the photographs.

6. WOODLAND COVER

Adequately covered by the photographs.

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline is the edge of the marsh throughout most of the area. There are short stretches of fast shoreline along some of the bayous and canals and along shell deposits. The mean low water line is synonymous with the edge of marsh along bayous and canals and varies from 3 to 4 meters offshore of the mean high water line of the shell deposits.

There are no docks, wharves, piers, etc. in the area.

There are no submarine cables in the area.

8. OFFSHORE FEATURES

There are none.

9. LANDMARKS AND AIDS

There are none.

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 in the area are isolated cabins used seasonally by trappers.

There are no bridges or cables over navigable waters.

There are no airports or landing fields in the area.

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", to be forwarded to Washington Office at a later date.

Letter of Transmittal, Public Land Lines data, forwarded to Washington Office 28 January 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. 90-9, "Special Report, Boundaries, Project Ph-90", to be forwarded to Washington Office at a later date.

Map No. 130633, 8" Gas Line, Golden Meadow to Bayou St. Denis, The Texas Company, forwarded to Washington Office with data for Quadrangle T-9676(), 16 April 1953.

2 Maps, Clovelly Field and East Golden Meadow Field, Humble Oil and Refining Company, in duplicate.

Letter of Transmittal No. 90-15, Data, Quadrangle T-9677(), forwarded to Washington Office 4/29/53

Submitted
17 April 1953

William M. Reynolds
William M. Reynolds
Cartographic Survey Aid

Approved & Forwarded
4/29/53

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

MAP T-9677..... PROJECT NO..... Ph-90..... SCALE OF MAP..... 1:20,000..... SCALE FACTOR.....

[illegible]

1 FT. = 3048006 METER	B. Wilson	10/21/53	10/21/53	COMM- DC- 57843
COMPUTED BY:.....		DATE	CHECKED BY:.....	DATE

COMPILATION REPORT T-9677PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9865.

31. DELINEATION

The graphic method was used.

The photographs were of fair scale.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

No difficulties were encountered.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate.

No low-water or shoal lines shown.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

Reference Item 9.

38. CONTROL FOR FUTURE SURVEYS

There are no topographic or photo-hydro stations.

39. JUNCTIONS

Junctions were made with T-9676 to the west, T-9678 to the east and T-9866 to the south. There is no contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

The section lines for the most part are from GLO plats. However, part of T-19S and T-20S, R-22E is taken from a Texas Company map of their 8" gas line Golden Meadow to Bayou St. Denis. Township 19S Range 22E is unsurveyed by GLO. The shoreline side of Section 37 and 38 (private claims around Little and Round Lakes) on the GLO plats of 1872 could not be plotted for lack of bearing and distances. The land lines shown on Section Line Print appear to be good, however they should be shown as unreliable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C&GS Planimetric Map T-5300, scale 1:20,000, dated 1933 and USGS Quadrangle GOLDEN MEADOW FARMS, LA., scale 1:31,680, dated 1935. They are in fair agreement with the manuscript.

47. COMPARISON WITH NAUTICAL CHARTS


Comparison was made with C&GS Chart 1273, scale 1:80,000, 1938 edition and corrected to 4 August 1952. They are in fair agreement with one exception - BAYOU DE CHENE on final name sheet is called BAYOU BRUSLE on the nautical chart. The maps listed in Item 46 appear to be the sources of topography.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY


None.

ITEMS TO BE CARRIED FORWARD

None.


Robert R. Wagner
Carto Photo Aid

APPROVED & FORWARDED


H. C. Applequist, Chief of Party

T-9677.Geographic Names.Bayou de C. ene ✓Bayou Raphael ✓Brusle Lake ✓East Fork Bayou l'Ours ✓Golden Meadow Farms ✓Jefferson Parish ✓John the Fool Bayou ✓Kings Canal ✓Kings Ridge ✓Lafourche Parish ✓Little Lake ✓Louisiana ✓Plum Point ✓Round Lake ✓West Fork Bayou l'Ours ✓Yankee Canal ✓

Names approved Jan. 16, 1957.

L. Heck

L.H.

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T. 9677

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

5a. Classification label Unclassified

CONTROL STATIONS

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 XX 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 JG 25. Spot elevations JG 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 JG 32. Public land lines JG

MISCELLANEOUS

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

40. Jesse A. Giles Reviewer
Jesse A. Giles
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.

R. D. Dase Compiler
W. M. Slawsky Supervisor

43. Remarks:

Review Report of
Topographic Map T-9677
September 1958

62. Comparison with Registered Topographic Surveys:

T-5300 1:20,000 1934

There are considerable shoreline changes and additional canals caused by the exploration and development of oil. T-9677 is to supersede T-5300 for common areas for nautical chart purposes.

63. Comparison with Maps of Other Agencies:

GOLDEN MEADOW FARMS, LA. 1:31680, 1935,
U. S. Geological Survey.

This quadrangle of more than 20 years indicates similar differences listed under item 62.

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

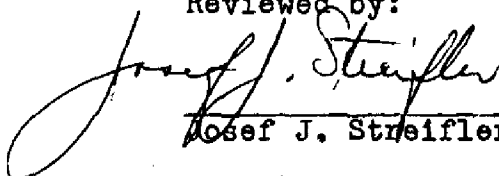
1273	1:80,000	Revised to 58	3/3
1274	1:80,000	Revised to 58	6/23
1050	1:175000	Revised to 57	2/25

The photography used in subject compilation manuscript has been applied to the larger-scale nautical charts and there is good agreement.

66. Adequacy of Results and Future Surveys:

The revisions applied to the original compilation manuscript from 1956 single-lens photography by office interpretation only appears adequate and appropriate. The lack of a field inspection and completion survey do not necessarily indicate deficiencies in accuracy or adequacy.

Reviewed by:


Josef J. Streifler

L C Landy
Chief, Review & Drafting Sec.
Photogrammetry Division

May Britt
Chief, Nautical Chart Branch
Charts Division

W J Jackson
Chief, Photogrammetry Div.

W J Linnell
Chief, Coastal Surveys

14 July '59

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9677

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.