

9873

Diag. Cht. No. 1274-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. 6090 Office No. T-9873

LOCALITY

State Louisiana

General locality Louisiana Coast

Locality Pass Barre

19452-53-56

CHIEF OF PARTY

E.H.Kirsch, Chief of Field Party

H.C.Applequist, Tmapa Photo. Office

LIBRARY & ARCHIVES

DATE June 10, 1958

9873

DESCRIPTIVE REPORT - DATA RECORD

T - 9873

Project No. (II): 6090

Quadrangle Name (IV):

Field Office (II): Houma, La.

Chief of Party: E. H. Kirsch

Photogrammetric Office (III): Tampa Photo. Office

Officer-in-Charge: H. C. Applequist

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

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): 9-17-54 Date reported to Nautical Chart Branch (IV): 9-26-54

Applied to Chart No.

Date:

Date registered (IV): 5-9-58

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): BAYOU, 1934

Lat.: $29^{\circ}13'33".429(1029.2m)$

Long.: $90^{\circ}32'17".287(466.9m)$

~~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.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Entire area contoured by:

C. H. Baldwin

COMM-DC-57842

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): W. M. Reynolds
C. H. Baldwin

Date: Feb. 1953
Mar. 1953

Planetable contouring by (II): C. H. Baldwin

Date: Mar. 1953

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): Mar. 1953 1956
Air Photo Compilation

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

Date: Sept. 1953

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

Date: Sept. 1953

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

Date: Oct. 1954

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

Date: Oct. 1954

Radial Plot or Stereoscopic

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

Date: Oct. 1954

Stereoscopic Instrument compilation (III):
Planimetry
Contours Inapplicable

Date:

Date:

Manuscript delineated by (III): E. T. Ogilby

Date: Feb. 1956

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

Date: Mar. 1956

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

Date: Mar. 1956

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C. & G.S. Nine-lens

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
39447 -		11:43 -		
39449 incl	9/28/52	11:45 incl	1:20,000	± 0.9
39421 -		11:13 -		
39424 incl	"	11:16 incl	"	± 1.0
39595 -		11:44 -		
39597 incl	9/29/52	11:47 incl	"	± 1.2

Single lens photography:
56-W-4296 to 4380 (incl.) 10-24-1956 1:30 000
56-W-4334 to 4338 (" " "
56-W-4488 to 4491 (" " "

Tide (III)

Diurnal

Ratio of Ranges	Mean Range	Spring Range
		1.3
0.9		1.2

Reference Station: Pensacola

Subordinate Station: Raccoon Island, Terrebonne Bay

Subordinate Station:

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): 7

Shoreline (More than 200 meters to opposite shore) (III): 37

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

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): *5

Recovered: 3

Identified: ** 4

Number of BMs searched for (II): 6

Recovered: None

Identified: None

Number of Recoverable Photo Stations established (III): None

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

Remarks:

* Six triangulations were established

** Triangulation Station PLATFORM 1953 was established and identified.

SUMMARY
TO ACCOMPANY TOPOGRAPHIC MAP T-9873

Project PH-90 (6090) consists of 18 Planimetric maps and 19 Topographic surveys and covers the Louisiana Coast on the Gulf of Mexico from ATCHAFALAYA BAY to Barataria Bay. T-9873 is one of the topographic surveys and is of the area of LAKE LA GRAISSE and vicinity.

The land area of the $7\frac{1}{2}$ minute quadrangle is very small (about 10%) and low and marshy with only one 5 foot contour and a maximum ground elevation of 6 feet--near Seabreeze Pass. The shoreline of these marsh islands is very unstable and can change considerably over a period of a few years.

Subject topographic survey was compiled graphically at the Tampa District Office in 1955 from nine-lens photography of 1952 and field inspection of 1953. Later photography (single-lens of 1956) became available and resulted in extensive revisions of the original compilation in 1957. The manuscript in it's final form for reproduction has been scribed and type and vegetation symbols applied by "stickup".

With the additional information of hydrography (applied during Washington Office Review) this survey will be submitted to the U. S. Geological Survey to be published as a standard $7\frac{1}{2}$ minute quadrangle at the scale of 1:24,000 and to replace an earlier edition of 1935 at the scale of 1:31680.

A CRONAR film positive at manuscript scale (1:20,000) and the Descriptive Report, as well as a cloth-backed lithographic print in colors after final printing by G. S. will be registered and filed in the Bureau Archives.

2. AREAL FIELD INSPECTION

This area is ninety per cent water, the rest is marsh except for a few shell beaches.

Bayou Terrebonne enters the area from the northwest. There are two settlements on this bayou, one at Seabreeze Pass and one at the southeast end of the bayou, which are occupied during the shrimping season. The marsh in this area is subject to erosion and is slowly disappearing.

An oil pipeline of the Texas Company crosses the quadrangle from northwest to southeast, under water for the most part. The portion of the pipeline on land has been identified on the photographs. The southeast terminal of the pipeline is shown on a map of the Caillou Island Oil Field by The Texas Company, which is included with the data for Quadrangle T-9882.

Field inspection was performed on nine-lens field photographs 39422 through 39424 and 39447 through 39449.

As photography was of a fairly recent date, little difficulty was encountered in interpretation. Field inspection is believed to be complete as of 1 April 1953, with no field work being deliberately left for completion surveys.

3. HORIZONTAL CONTROL

All existing horizontal control was searched for and identified if recovered. Six triangulation stations were established. Five are aids to navigation located by triangulation methods and one, PLATFORM 1953, as supplemental control.

The following Coast and Geodetic Survey triangulation stations were reported lost: RACCOON 1928 and PT MESHE 1928.

4. VERTICAL CONTROL

No vertical control exists in the area.

5. CONTOURS AND DRAINAGE

Elevations in the area were determined by erecting a portable tide gage at the end of Bayou Terrebonne. 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 tide gage readings at that time.

All drainage is clearly visible on the photographs.

6. WOODLAND COVER

There is no woodland cover in the area as it is all marsh.

7. SHORELINE AND ALONGSHORE FEATURES

Practically all shoreline is apparent at edge of marsh, except for a few small shell beaches which have been indicated on the photographs.

The mean low water line is synonymous with the mean high water line and with apparent shoreline.

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

8. OFFSHORE FEATURES

The only offshore feature in this area is a timber platform around an abandoned well in Terrebonne Bay. The center of this platform is triangulation station PLATFORM 1953.

9. LANDMARKS AND AIDS

Adequately covered on Form 567.

10. BOUNDARIES, MONUMENTS AND LINES

There are no political boundaries in the area.

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

11. OTHER CONTROL

The following previously established topographic stations were recovered: BAR 1934; BRE 1934; CON 1934; and RAG 1934. BRE 1934; CON 1934; and RAG 1934 have been relocated by triangulation.

12. OTHER INTERIOR FEATURES

There are no roads in the area. The only buildings are shrimpers' cabins along Bayou Terrebonne which are occupied only during the shrimping season. These buildings have been indicated by the notation "cabins" on the photograph. It is recommended that they be mapped as Class 1 buildings.

There are no airports or landing fields in the area.

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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, 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. 90-10, Triangulation Data, forwarded to Washington Office 14 April 1953.

Letter of Transmittal No. 90-19, Data, Quadrangle T-9873(),
forwarded to Washington Office **MAY 5 1953**

Submitted
5 May 1953

William M. Reynolds
William M. Reynolds
Cartographic Survey Aid

Approved & Forwarded

MAY 5 1953

E. H. Kirsch

E. H. Kirsch
Chief of Party

SCALE FACTOR

[illegible]

DATE 18/11/83

COMPIATION REPORT T-9873PHOTOGRAMMETRIC PLOT REPORT
Submitted with T-986531. DELINEATION

The graphic method was used. The photographs were fair with respect to scale and clarity.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

No difficulty was encountered in delineating contours and drainage, from the photographs. There is one small contour shown on the southwest shore of Bayou Terrebonne, near Seabreeze Pass.

35. SHORELINE AND ALONGSHORE DETAILS

All shoreline and alongshore features were identified by the field inspector.

36. OFFSHORE DETAILS

The only offshore detail is a platform, around an oil well which was located by triangulation.

37. LANDMARKS AND AIDS

Reference Item 9

38. CONTROL FOR FUTURE SURVEYS

Reference Item (11) eleven.

39. JUNCTIONS

Junction was made with T-9863 to the north; T-9872 to the west; T-9874 to the east, and T-9881 to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

No section corners were recovered. The changes in detail since the G.L.O. Survey are such that no land lines could be applied.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C. & G.S. Planimetric Map T-5294, BAYOU LITTLE CAILLOU 1:20,000 scale, brown line dated 1935, and U.S.G.S. LAKE LAGRAISSE, scale 1:31,680, dated 1935.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison with C. & G.S. Chart 1274, 1:80,000 scale, last correction date December 29, 1952.

The maps mentioned in Item 46 appear to be the source of topography and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None


E. T. Ogilby
Carto Photo Aid

Approved and Forwarded:



H. C. Applequist

Chief of Party

T-9873.

Geographic Names.

Bay Chalant ✓
Bay Lost Reef ✓
Bay Negresse ✓
Bayou Jose ✓
Bayou Terrebonne ✓

Lake Barre ✓
Lake Jan Pierre ✓
Lake la Graisse ✓
Lake Saint Jean Baptiste ✓
Louisiana ✓

Pass Barre ✓
Point Meshe ✓

Seabreeze Pass ✓

Terrebonne Bay ✓
Terrebonne Parish ✓

Names approved 11-26-56
L. Heck L.H.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

Feb. 13 1955

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

SECRET

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 charts of the area and not by

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

100

26. 0-37

1944

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

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 charts of the area and not by

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9873

1. Projection and grids J.G. 2. Title J.G. 3. Manuscript numbers J.G. 4. Manuscript size J.G.
 4a. Classification label unclassified

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 XX 14. Rocks, shoals, etc. J.G. 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 J.G. 23. Stereoscopic instrument contours XX 24. Contours in general XX 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 XX 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. Rasore
 Jesse A. Giles Reviewer William A. Rasore 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:

REVIEW REPORT OF
TOPOGRAPHIC MAP T-9873
November 1957

61. GENERAL STATEMENT

This topographic map was originally compiled in 1955 from 1952 photography and 1953 field inspection. In 1957 the manuscript was revised extensively from 1956 photography without field inspection or field edit.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-2751	1:20,000	1906
T-2752	1:20,000	1906
T-5294	1:20,000	1934
T-6064	1:20,000	1934
T-6065	1:20,000	1934

The entire land area of subject topographic survey is marsh and subject to continual change. In over twenty years (last previous topographic survey is of 1934) many changes by storms, hurricanes and gradual erosion have come about resulting in considerable differences between these surveys. T-9873 is to supersede above-listed surveys for nautical charting purposes for common areas.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

LAKE LA GRAISSE, LA., 1:31680, 1935, U. S. Geological Survey. There is good agreement of this publication only with other surveys of that time. It does not compare favorable with subject topographic survey.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No contemporary hydrographic surveys of this area exist.

65. COMPARISON WITH NAUTICAL CHARTS

1274	1:80,000	Revised to 57 9/16
1050	1:175,000	Revised to 57 2/25

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65. COMPARISON WITH NAUTICAL CHARTS CONTINUED

These nautical charts are based on previous topographic surveys and do not incorporate the changes made available by T-9873.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

A careful examination of the 1956 photography preceded the revision of the original compilation. Although the revised detailing is without benefit of field inspection or field edit, no deficiencies in accuracy or adequacy are indicated.

Reviewed by

Josef J. Streifler
Josef J. Streifler

Approved

R. C. Land
Chief, Review & Drafting Section
 Photogrammetry Division

Max Skellett
Chief, Nautical Charts
 Branch, Charts Division

at J. Zucc
Chief, Photogrammetry Division
at

W. D. Small
Chief, Coastal Surveys