

9881

Diag. Cht. No.1274-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-90 Office No. T-9881

LOCALITY

State Louisiana

General locality Louisiana Coast

Locality Wine Island

1952-53-54

CHIEF OF PARTY

E.H.Kirsch, Chief of Field Party

H.C.Applequist, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE June 5, 1958

B-1870-1 (1)

1889

DESCRIPTIVE REPORT - DATA RECORD

T -9881

Project No. (II): ²⁴²⁰⁰~~24300~~ (Ph-90A) 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
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): 5-12-58

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): CAT ISLAND PASS 1953

Lat.: 29°05'26.116" (804.0M)

Long.: 90°35'17.612" (476.3M)

Adjusted
00000000

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

~~C. H. Baldwin~~

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

— not applicable

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): I. Y. Fitzgerald
C. H. Baldwin

Date: March 1953

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

not applicable

Date: March 1953

Completion Surveys by (II):

Date:

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

~~March 1953~~

Oct. 1956

Air Photo Compilation

see page 5

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

Date: 18 Sept. 1953

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

Date: 21 Sept. 1953

Control plotted by (III): R. A. Reece

Date: 7 March 1955

Control checked by (III): R. E. Smith

Date: 7 March 1955

Radial Plot ~~or Stereoscopic~~

Date: 5 Oct. 1955

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

Planimetry

Stereoscopic Instrument compilation (III):

Inapplicable

Date:

Contours

Date:

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

Date: May 1956

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

Date: August 1956

Elevations on Manuscript

checked by (II) (III):

J. A. Giles

Date: August 1956

DESCRIPTIVE REPORT - DATA RECORD

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

Number	Date	Time	Scale	Stage of Tide
39457	Sept. 28, 1952	12:05	1:20,000	✓ 0.7
39455	Sept. 28, 1952	11:57	1:20,000	✓ 0.7

Single-lens photography:

55-W-6833 to 37 inc. 4.14.1955 1:20,000
56-L-447 to 52 " 10.23.1956 1:20,000 (intra-red)
56-O-814 to 19 " " "
56-W-4368 to 71 " 10.24.1956 1:30,000
56-W-4396 to 99 " " "
56-W-4419 to 22 " " "

Tide (III)

Predicted

Reference Station: Pensacola
Subordinate Station: Wine Island, Terrebonne Bay
Subordinate Station:

Ratio of Ranges	Diurnal	
	Mean Range	Spring Range
-	-	1.3
1.0	1.3	-

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): 1

Shoreline (More than 200 meters to opposite shore) (III): 5

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

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): 2

Recovered: 1

Identified: 2

Number of BMs searched for (II): 6

Recovered: 0

Identified: 0

Number of Recoverable Photo Stations established (III): None

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

Remarks: One(1) Triangulation Station established.

Summary
to accompany Topographic Map T-9881
October 1957

This survey is one of project Ph-90 (6090) Planimetric and Topographic Mapping. It extends from WINE Island to Timbalier Island (TERREBONNE BAY) along the Louisiana Coast of the Gulf of Mexico.

The low islands (maximum ground elevation is 3 feet) are subject to frequent and extreme changes. Surveys and published charts as of 1934-35 show WINE ISLAND as being about two miles long. Only a small portion of this island remains as of 1956 and this has shifted northeasterly. TIMBALIER ISLAND has become considerably larger in a northwesterly direction and in this northwesterly direction a group of small islands appeared, that did not exist formerly. In addition, an ever-increasing interest in oil is responsible for many cultural changes in TERREBONNE BAY.

The map was compiled first in 1955 from 1952 nine-lens photography and 1953 field inspection at the Tampa District Office. Later photography (1956 single-lens) was used for extensive revisions in 1957 on the original manuscript, which final compilation was then scribed on a plastic sheet at the same field office. *

After addition of hydrographic information, the map will be published by the U.S. Geological Survey as a standard 7½-minute quadrangle at scale of 1:24,000.

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.

*Considerable change occurred in shoreline
between the 1952 and 1956 photography
this can be studied in detail
by applying comparing this map with
the 1952 photography.*
ag

-X-

2. AREAL FIELD INSPECTION

The most outstanding feature of this quadrangle is the radical changes since the previous planimetric mapping (T-5295). The beach of Timbalier Island is building up and the western tip has extended approximately one mile. Wine Island has completely washed away and a new, smaller island, also known as Wine Island, has built up approximately one-half mile north-east of the old island.

The portion of Timbalier Island lying within the quadrangle is mostly sand. There is a small area of marsh behind the sand along the eastern limit of the quadrangle. The water is quite shoal for some distance on the back side of the island.

Wine Island is all sand, except for some small ponds, and is grass covered. There is a line of shoals to the southwest of the island.

The field inspection is believed to be complete and adequate with no items deliberately left for the field editor. However, the field editor should check for new wells and other structures which might be in place in the area due to expansion of the Caillou Island Field to the west.

The photographs are clear and easily interpreted. Field work was done on photographs 39414 and 39457.

3. HORIZONTAL CONTROL

One triangulation station, CAT ISLAND PASS, 1953, was established as supplemental control. Station WINE, 1928, was reported lost on Form 526.

4. VERTICAL CONTROL

WINE ISLAND TIDAL BENCH MARKS were reported lost.

Vertical control for contouring was obtained by using water level as the reference datum. These observations were later reduced to the datum of Mean Sea Level ^{from} records of the Bayou Rigaud Standard Tide Gage.

*no contours
in area*

5. CONTOURS AND DRAINAGE

There is no land in the quadrangle above the contour interval. Spot elevations were determined by hand level and located from photographic detail.

There is no definite drainage pattern.

6. WOODLAND COVER

There is no woodland cover in the quadrangle.

7. SHORELINE AND ALONGSHORE FEATURES

The mean high water line is visible on the photographs as a line of tone change and has been indicated at intervals.

No attempt was made to locate the mean low water line except at Wine Island, where it has been indicated on the photographs. The foreshore is sand.

There are no along shore structures.

8. OFFSHORE FEATURES

A floating drilling rig is visible on the photographs near the eastern limits of the quadrangle. This is apparently The Texas Co., State-Terrebonne Bay Well No. 44, Caillou Island Field. The position of this well is given in the lists of positions of oil and gas wells being furnished with quadrangle T-9882().

There are five objects visible on the photographs immediately northeast of Wine Island. Three of these objects are old tankers sunk in place as storage for crude oil and the other two are boats. All five are deleted. (See next paragraph.)

9. LANDMARKS AND AIDS

The three tankers mentioned in the preceding paragraph are charted as landmarks on nautical charts 1050 and 1274. They have been removed since photography and are being recommended for deletion as landmarks.

There are no other aids or landmarks in the area.

10. BOUNDARIES, MONUMENTS AND LINES

See "Special Report, Public Land Lines, Project Ph-90" for all data on public lands lines.

There are no political boundaries in the area.

11. OTHER CONTROL

One previously established topographic station has been reported as lost on Form 524.

12. OTHER INTERIOR FEATURES

There are no other interior features.

13. GEOGRAPHIC NAMES

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

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Letter of transmittal 90-5, Forms 567, to be forwarded to Washington

at a later date.

Letter of transmittal 90-6, Forms 567, to be forwarded to the photogrammetric office at a later date.

Letter of transmittal 90-7, Public Land Lines Data and Special Report, Public Land Lines, Project Ph-90, forwarded to Washington 29 April 1953.

Letter of transmittal, no number, Public Land Lines Data, forwarded to Washington 28 Jan. 1953.

Letter of transmittal 90-8, Geographic Names Data and Special Report, Geographic Names, Project Ph-90, to be forwarded to Washington at a later date.

Letter of transmittal 90-10, Triangulation Data, forwarded to Washington 14 April 1953.

Letter of Transmittal No. 90-24, Data, Quadrangle T-9881(), forwarded to Washington Office 5 May 1953.

Submitted
5 May 1953

Isaiah Y. Fitzgerald
Isaiah Y. Fitzgerald
Photogrammetric Engineer

Approved and Forwarded
5 May 1953

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

SCALE FACTOR

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

COMPILATION REPORT T-9881PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9865.

31. 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

Coordinates of oil wells in the Caillou Island Field of the Texas Co. were furnished by that company. These coordinates are based on USC&GS control stations.

34. CONTOURS AND DRAINAGE

There are no contours. No difficulty was encountered in delineating the drainage from the photographs.

35. SHORELINE AND ALONGSHORE DETAIL

All shoreline and alongshore detail was identified by the field inspection and proved to be adequate. The low-water and shoal lines were delineated from information furnished by the field inspection.

36. OFFSHORE DETAILS

The only offshore details were shoals identified by the field inspector and partially visible on the photographs, a marker located by triangulation and oil wells located by T. T. Co., reference Item 33.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

Reference Item 3. MARKER NO. 1, 1953 is an oil well located by triangulation.

39. JUNCTIONS

Junctions were made with T-9873 to the north; T-9880 to the west; T-9882 to the east. There is no contemporary survey to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

No section corners were recovered, and there was no common cultural detail with the GLO Plates, therefore no section lines could be shown.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C&GS Planimetric Map T-5295, 1:20,000 scale, dated 1934 and USGS East Derniere and Timbalier Island, both Quadrangles 1:31,680 scale and dated 1935.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with C&GS 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

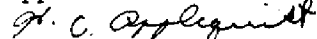
None.

ITEMS TO BE CARRIED FORWARD

None.


E. T. Ogilby
Carto Photo Aid.

Approved and Forwarded:


H. C. Applequist
Chief of Party.

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48. GEOGRAPHIC NAME LIST

CAILLOU ISLAND OIL FIELD (T.T.CO.)
CAT ISLAND PASS

GULF OF MEXICO

LOUISIANA

TERREBONNE BAY
TERREBONNE PARISH
TIMEALIER ISLAND

WINE ISLAND

WINE ISLAND PASS

Names approved
10-28-57
L. Heck

50

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9881

1. Projection and grids J.G. 2. Title J.G. 3. Manuscript numbers J.G. 4. Manuscript size J.G.14. 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) XX 7. Photo hydro stations XX 8. Bench marks J.G.

9. Plotting of sextant fixes XXX 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. J.G. 15. Bridges XXX 16. Aids to navigation J.G. 17. Landmarks XXX 18. Other alongshore physical features J.G. 19. Other along-shore cultural features XX

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 J.G. 26. Other physical features J.G.

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

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
Jesse A. Giles Reviewer

William A. Rasura
William A. Rasura 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
Topographic Map T-9881
October 1957

61. General Statement

This topographic map manuscript was originally compiled from 1952 photography and 1953 field inspection. Because of extensive changes in shoreline and shapes of islands the manuscript was revised in 1957 from 1956 photography. (See page 4 for listing of all photography.)

62. Comparison with Registered Topographic Surveys:

T-1763	1:20,000	1887
T-1764	1:20,000	1887
T-2752	1:20,000	1906
T-5295	1:20,000	1934
T-6068	1:20,000	1934

Considerable differences exist between these surveys. The area is subject to frequent and extensive changes due to storms and hurricanes and continuous erosion. The subject topographic survey is to supersede above-listed registered surveys for nautical charting purposes for common areas.

63. Comparison with Maps of Other Agencies:

EAST DERNIERE, LA.	1:31,680	1935	U.S. Geological Survey
TIMBALIER ISLAND, LA.	1:31,680	1935	" " "

These published maps are similar to the Coast and Geodetic Survey topographic surveys of 1934. The reason for the differences between these quadrangles and T-9881 are causes as mentioned under item number 62.

64. Comparison with Contemporary Hydrographic Surveys:

There are no contemporary hydrographic surveys of this area.

65. Comparison with Nautical Charts:

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

Attention is directed here to the remaining portion and the geographic shift of WINE ISLAND, the change of the western part of TIMBALIER ISLAND and the formation of a group of smaller islands directly NW of Timbalier Island. These represent considerable differences between subject topographic survey and what appears on the two nautical charts and should be considered for future revision.

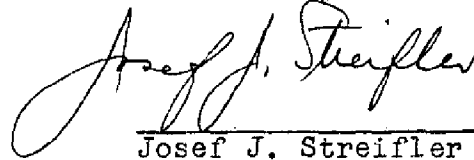
- 2 -

Adversely, there is a lighted wreck - among other navigation aids - that is shown on above-listed nautical charts between CAT ISLAND PASS and TIMBALIER ISLAND, which does not appear on survey T-9881. This wreck was reported in 1957 and cannot be identified on the 1956 photography.

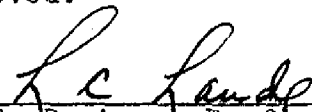
66. Adequacy of Results and Future Surveys

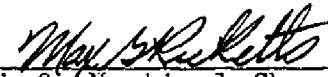
Although the area was not field inspected nor field edited after the 1956 photography, a careful study of this later photography warranted the changes as applied and the manuscript is believed to be within accuracy and adequacy requirements.



Reviewed by:

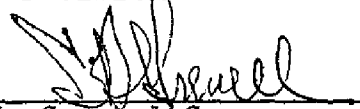

Josef J. Streifler

Approved:


Chief, Review & Draft. Sec.
Photogrammetry Division


Chief, Nautical Chart Branch
Charts Division


Chief, Photogrammetry Div. 


Chief, Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9881 *Rev dated Oct 1957*
(1952-56)

Record of Application to Charts

[illegible]

M-216B-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.