

# 9874

Original

Diag. Cht. No. 1274-2.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	TOPOGRAPHIC
Field No. 24200	Office No. T-9874
LOCALITY	
State	LOUISIANA
General locality	GULF COAST
Locality	JACKO BAY
19 52-56	
CHIEF OF PARTY	
E. H. Kirsch, Chief of Field Party	
H. C. Applequist, Tampa Photo Office	
LIBRARY & ARCHIVES	
DATE	JUN 10 1954

COMM-DC 61300

# 9874

DESCRIPTIVE REPORT - DATA RECORD

T - 9874

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 September 1952  
25 September 1952 (Supplement 1 )  
30 September 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): 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): FORMATION 1934

Lat.:  $29^{\circ}13'52''$ .336(1611.3m) Long.:  $90^{\circ}24'15''$ .479(418.0m)

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.

FORM 181a  
(4-23-54)

# DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY


C. H. Baldwin

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

DESCRIPTIVE REPORT - DATA RECORD

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

Date: Feb.- May 1953

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

Date: Feb.-Mar. 1953

Completion Surveys by (II):

Date:

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

Air Photo Compilation

<sup>1956</sup>  
Mar. 1953

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

Date: 4 Sept. 1953

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

Date: 8 Sept. 1953

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

Date: 25 Oct. 1954

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

Date: 25 Oct. 1954

Radial Plot or Stereoscopic

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

Date: 27 Jan. 1956

Planimetry  
Stereoscopic Instrument compilation (III): Inapplicable  
Contours

Date:

Date:

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

Date: 18 May 1956

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

Date: 20 Sept. 1956

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

Date: 18 Sept. 1956

## DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&amp;GS 9-lens Camera

## PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
39419	28 Sept. 1952	11:10	1:20,000	1.1
39420	" " "	11:12	"	"
39421	" " "	11:13	"	"
39450	" " "	11:46	"	"
39451	" " "	11:47	"	"
39593	29 Sept. 1952	11:42	"	1.2
39594	" " "	11:43	"	"

*Single-lens photography**56-W-4292 to 4296 incl. 10-24-56 1:30,000*  
*56-W-4339 " 4342 " " "*  
*56-W-4492 " 4495 " " "*

## Tide (III)

## Predicted Table

Reference Station: Pensacola  
Subordinate Station: Pelican I. Timbalier Bay  
Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
--	--	1.3
0.9	--	1.2

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): 24

Shoreline (More than 200 meters to opposite shore) (III): 54

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

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): 9

Recovered: 1

Identified: 4

Number of BMs searched for (II): 4

Recovered: 3

Identified: 3

Number of Recoverable Photo Stations established (III): None

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

Remarks: 3 Triangulation Stations established.



SUMMARY  
TO ACCOMPANY TOPOGRAPHIC MAP T-9874

T-9874 is a topographic survey of project PH-90 (6090) and covers the northwestern portion of Timbalier Bay off the Louisiana Coast of the Gulf of Mexico.

The land area consists of a group of marsh islands and the highest ground elevation is only two feet. Storms and hurricanes change the shoreline of these islands frequently and in the exploration and development of oil, there are continuous cultural changes.

Originally compiled by graphic method in 1955 at the Tampa District Office from 1952 nine-lens photography and 1953 field inspection, the manuscript was later revised from 1956 single-lens photography without field inspection or field edit.

Hydrographic information will be added to the compilation 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 by that agency of 1935 at the scale of 1:31680 (Jacko Bay, Louisiana).

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

A "Cronar" film positive at manuscript scale (1:20,000)  
The Descriptive Report  
A lithographic print in colors after final printing by  
G. S.

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## 2. AREAL FIELD INSPECTION

The area covered by this quadrangle is water for the most part. There are scattered areas of marshy islands. Practically all the land area is marsh except at a few very small shell beaches and at spoil.

The Lake Barre Oil Field of the Texas Company is located within the quadrangle. For a description of a typical oil field of this type, see Field Inspection Report, Quadrangle T-9882( ), Item 2. A map of the field is being submitted. The map should be used chiefly to assist in the location of oil wells as the information on shoreline and channels is obsolete.

The shore of marsh areas is subject to erosion. It has receded considerably since the previous planimetric mapping (T-5298), and many small islands have disappeared altogether.

Field work has been done on nine lens photographs 39420, 39421, 39450, and 39451. The field inspection is believed to be complete; however, the Lake Barre Oil Field should be examined by the field editor for new wells and possible new channels.

The photographs are clear and no difficulty in interpretation was encountered.

## 3. HORIZONTAL CONTROL

The following triangulation stations were established and identified on the photographs: TERREBONNE ISLAND 1953; PELICAN ISLANDS POINT LIGHT 1953; THE TEXAS CO LAKE BARRE FIELD RADIO TOWER 1953.

The following stations have been reported as lost on Form 526: POINT 1928; HOUSE STOVEPIPE 1928; CAN 1934; BULL 1934; COOK 1934; LIER 1934; TERREBONNE 1934; and SPIT 1934.

## 4. VERTICAL CONTROL

The following Coast and Geodetic Survey bench marks were recovered: PELICAN ISLAND TIDAL BENCH MARKS 21, 22, and 23.

Vertical control for contouring was obtained by using water level as datum. Water elevations were later reduced to half tide level from the records of the Philo Brice and Bayou Terrebonne tide staffs.

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## 5. CONTOURS AND DRAINAGE

Contouring was done on the photographs. The entire land area of the quadrangle is below the contour interval. Occasional spot elevations were established by hand level and located by photographic detail.

All drainage is tidal and clearly visible on the photographs.

## 6. WOODLAND COVER

There is no woodland in the quadrangle. For discussion of mangrove, see Field Inspection Report, Quadrangle T-9882, Item 6.

## 7. SHORELINE AND ALONGSHORE FEATURES

Most of the shoreline is apparent at edge of marsh, except at some very small shell beaches and at spoil. Some of the islands have a fringe of low mangrove which could possibly be misinterpreted under a stereoscope as a low ridge. The shoreline is apparent at such places.

There is no mean low water line sufficiently distant from the mean high water line or apparent shoreline to be shown.

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

## 8. OFFSHORE FEATURES

See Field Inspection Report, Quadrangle T-9882, for discussion of offshore features in a typical oil field of the area. There are no other offshore features.

Oil wells in the Lake Barre Oil Field may be located from the lists of positions of producing wells furnished by the Texas Company and submitted with data for this quadrangle. An arbitrary coordinate system is used; however, the system is based on Coast and Geodetic Survey stations TERREBONNE 1934 and FELIC 1934 and no difficulty should be encountered in locating the wells. No wells have been identified on the photographs.

The list of wells is complete as of 10 April 1953.

## 9. LANDMARKS AND AIDS

One landmark and one aid to navigation have been reported on Form 567.



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10. BOUNDARIES, MONUMENTS AND LINES

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

11. OTHER CONTROL

Ten previously established topographic stations have been reported as lost on Form 524.

12. OTHER INTERIOR FEATURES

Cultural features are very sparse outside the Lake Barre Oil Field. One cabin has been indicated on the photographs and should be shown as a Class 1 building.

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 the Washington Office at a later date.

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

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

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Map, Lake Barre Field, The Texas Company.

List of positions of wells, Lake Barre Field (3 sheets).

Letter of Transmittal No. 90-28, Data, Quadrangle T-9874(     ),  
forwarded to Washington Office **MAY 13 1953**

Submitted  
13 May 1953

*William M. Reynolds*  
William M. Reynolds  
Cartographic Survey Aid

Approved & Forwarded  
**MAY 13 1953**

*E. H. Kirsch*

E. H. Kirsch  
Chief of Party

SCALE FACTOR

[illegible]

DATE 10/14/53

COMPILATION REPORT T-9874PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9865.

31. DELINEATION

The graphic method was used.

The photographs were very poor in scale and clearness.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

The oil wells were plotted from information furnished by The Texas Company to the field inspector,

34. CONTOURS AND DRAINAGE

Reference Item 5.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate. Reference Item 7.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

No statement. *Reference Item 9.*

38. CONTROL FOR FUTURE SURVEYS

There are no topographic or photo-hydro stations.

39. JUNCTIONS

Junctions have been made with T-9873 to the west, T-9864 to the north, T-9882 to the south, and T-9875 to the east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINE S

No land lines have been shown due to lack of control. *See Notes to REVIEWER*  
W.A.R.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C&GS Planimetric Map T-5298(1932) scale 1:20,000 and USGS 7.5 Quadrangle JACKO BAY, LA. (1935) scale 1:31,680. The shoreline has undergone a great change.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with C&GS Chart 1274, scale 1:80,000, published July 1938, corrected to 13 Aug. 1956. The maps listed under Item 46 appear to be the source of topography and the same differences are to be found.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

*R. R. Wagner*  
R. R. Wagner  
Carto Photo Aid.

Approved and Forwarded:

*William A. Rasmussen*  
for H. C. Applequist  
Chief of Party

T-9874.Geographic Names.Bayou de la ValleBull Islands

(not Island)

Cat IslandFormation IslandsJacko BayLake BarreLake RaccourciLouisianaOld Lady LakePelican IslandsTerrebonne BayTerrebonne IslandTerrebonne ParishTimbalier BayThe Texas Company Lake Barre Oil Field

Names approved 11-28-56

L. Heck

## U. S. COAST AND GEODETIC SURVEY.

# NONFLOATING AIDS PREVENTION AIDS FOR CHARTS

**STRIKE OUT ONE**

**Tampa Photogrammetric Office**      **September 19 56**

The positions given have been checked after listing by

**Robert R. Warner**

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

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 individual field survey sheets. Information under each column heading should be given.





## PHOTOGRAMMETRIC OFFICE REVIEW

50.

T-9874

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

## CONTROL STATIONS

~~44. Classification Mark~~

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 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 J.G. 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 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 XX

## 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 William A. Rasure  
 Jesse A. Giles Reviewer 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.

\_\_\_\_\_  
 Compiler\_\_\_\_\_  
 Supervisor

43. Remarks:

REVIEW REPORT OF  
TOPOGRAPHIC MAP T-9874  
December  
1957

61. GENERAL STATEMENT

This is one of several topographic surveys of project PH-90 compiled from 1952 photography and 1953 field inspection. 1956 photography was applied later resulting in extensive revisions of the original manuscript--without benefit of field inspection or field edit.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-2751	1:20,000	1906
T-5298	1:20,000	1934
T-6065	1:20,000	1934
T-6066	1:20,000	1934
T-6067	1:20,000	1934

Considerable differences exist between these surveys. The subject survey area embraces a series of irregularly-shaped marsh islands, whose shoreline is subject to frequent and extensive changes. T-9874 is to supersede above-listed topographic surveys for nautical charting purposes for identical areas.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

JACKO BAY, LA., 1:31680, 1935, U. S. Geological Survey. This publication of more than twenty years ago is now obsolete. It does not compare favorably with T-9874.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None!

65. COMPARISON WITH NAUTICAL CHARTS

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

-- 2 --

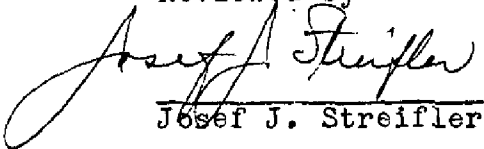
65. COMPARISON WITH NAUTICAL CHARTS CONTINUED

These nautical charts do not show the changes made available by T-9874.

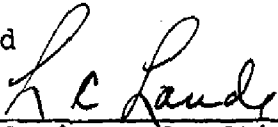
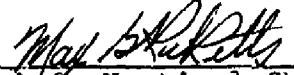


66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

The 1956 photography used in the revision of the original compilation appears adequate for the applied changes and the subject survey is believed to be within the requirements of adequacy and accuracy.

Reviewed by

  
Josef J. Streifler

Approved

  
Chief, Review & Drafting Section  
Photogrammetry Division  
Chief, Nautical Charts  
Branch, Charts Division  
Chief, Photogrammetry Division  
Chief, Coastal Surveys