

9880

Diag. Cht. Nos. 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-9889

LOCALITY

State Louisiana

General locality Gulf Coast

Locality East Derniere

19452-53

CHIEF OF PARTY

E.H.Kirsch, Chief of Field Party

H.C.Applequist, Tmapa Photo. Office

LIBRARY & ARCHIVES

DATE June 24, 1958

B-1870-1 (1)

9880

DESCRIPTIVE REPORT - DATA RECORD

T - 9880

Project No. (II): 6090

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):

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): BODWIN, 1928

Lat.: $29^{\circ}07'00''$.782(24.1 m)

Long.: $90^{\circ}42'56''$.042 (1515.2m)

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): I. Y. Fitzgerald
B. F. Lampton Jr.
E. T. Ogilby
Spot elevations
~~Planetable~~ contouring by (II): C. H. Baldwin
E. T. Ogilby

Date: Dec. 1952
to May 1953

Date: March 1953

Completion Surveys by (II):

Date:

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

~~March 1953~~ 1956 *see page 5*
Air Photo Compilation

Projection and Grids ruled by (IV): Austin Riley (WO)

Date: 8 Sept. 1953

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

Date: 10 Sept. 1953

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

Date: 3 Mar. 1955

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

Date: 4 Mar. 1955

Radial Plot of ~~Stereoscopic~~

Date: 5 Oct. 1955

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

Stereoscopic Instrument compilation (III):
Planimetry
Contours

Inapplicable

Date:

Date:

Manuscript delineated by (III): I. I. Saperstein

Date: Jan. 1956

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

Date: Feb. 1956

Elevations on Manuscript

checked by (II) (III): J. A. Giles

Date: Feb. 1956

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): Coast and Geodetic 9-lens

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
39458	28 Sept. 1952		1:20,000	
39459	"	12:07	1:20,000	0.7
39460	"	12:08	"	"
39469	"	12:21	"	"
39470	"	12:33	"	0.6
39471	"	12:34	"	"
39472	"	12:35	"	"

Singlen lens photography:
 56-L 453-459 incl. 10-23-1956 1:20,000 (infra-red)
 56-O 820-826 " " "
 56-W 4392-95 " 10-24-1956 1:30,000
 56-W 4423-27 " " "

Tide (III)
Predicted

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

Diurnal		
Ratio of Ranges	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): 5
 Shoreline (More than 200 meters to opposite shore) (III): 21

~~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: 3

Number of BMs searched for (II): 0

Recovered: 0

Identified: 0

Number of Recoverable Photo Stations established (III): 1

Number of Temporary Photo Hydro Stations established (III): 0

Remarks:

SUMMARY
TO ACCOMPANY TOPOGRAPHIC MAP T-9880
October 1957

This is one of project PH-90 (6090) Planimetric and Topographic Mapping. It covers the east portion of Isles Dernieres to Wine Island Pass along the Louisiana Coast of the Gulf of Mexico.

The low islands consist mostly of marsh and sand. With a maximum ground elevation of four (4) feet, the shoreline and shape of islands are subject to frequent and extreme changes.

The map was originally compiled in 1955 from 1952 nine-lens photography and 1953 field inspection at the Tampa District Office. In 1957 the map manuscript was revised from 1956 single-lens photography*and subsequently scribed on scribe-coated plastic sheet - as were all other maps of this project at this same field office.

After addition of hydrographic information, the map will be published by the U. S. Geological Survey as a standard topographic quadrangle at a scale of 1:24,000 and replace a previous edition of 1935.

A "CRONAR" film positive at manuscript scale of 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.

*The changes between 1952 and 1956
can be seen by comparing this map
with the 1952 photographs or with
the copy of the original 1952 manuscript
that is filed as a field edit sheet.*

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2. AREAL FIELD INSPECTION

This map embraces a portion of the marshland forming the northern border of Lake Pelto and the eastern end of Last Island (Isles Dernieres), which is a barrier beach separating Lake Pelto from the Gulf of Mexico. The general description of the area is the same as that given in Field Inspection Report, Quadrangles T-9878() and T-9879().

The only variation between the area and that referred to in the preceding paragraph is The Texas Company's Lake Pelto Oil Field. This field is located near the east side of the area. It is the same type as that which is described in Field Inspection Report, Quadrangle T-9882().

Field work was done on nine-lens photographs 39458 through 39460, 39469, 39470, 39471, and 39473.

Photographs were of a recent date and no difficulty was encountered interpreting them.

Field inspection is believed to be complete and adequate. No item was deliberately left for the field editor. However, the field editor should be alert for new construction in the previously mentioned oil field. One catwalk in this field was under construction and could not be completed by the field inspection party as construction had just begun. This catwalk will have to be located by the field editor.

3. HORIZONTAL CONTROL

All stations recovered and identified are Coast and Geodetic Survey triangulation stations.

Stations TRINITY 1928 and POULE 1928 were reported lost. Station TRINITY was identified using the only reference mark recovered.

No supplemental control was established.

4. VERTICAL CONTROL

There was no previously established vertical control. None was established by the field party.

5. CONTOURS AND DRAINAGE

See Field Inspection Report, Quadrangles T-9878 and T-9879.

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6. WOODLAND COVER

There is none.

7. SHORELINE AND ALONGSHORE FEATURES

Information given in Field Inspection Report, Quadrangles T-9878 and T-9879 on the mean high water line and the mean low water line applies to this area except those statements referring to the exact mean low water line.

One small pier has been indicated on photograph 39470 at the east end of Last Island in Lake Pelto. There are no other shoreline structures.

8. OFFSHORE FEATURES

Adequately covered by the photographs. New catwalks constructed since photography were located by planetable methods directly on the field photographs.

9. LANDMARKS AND AIDS

One landmark has been recommended for charting.

There are no aids of any type in the area.

10. BOUNDARIES, MONUMENTS AND LINES

There are no political boundaries in this area.

See "Special Report, Public Land Lines, Project Ph-90" for land lines data.

11. OTHER CONTROL

No other control was established.

Recovery notes were submitted for three recoverable topographic stations established in 1934; They are: STO, FIL and PAR.

12. OTHER INTERIOR FEATURES

There are none.

13. GEOGRAPHIC NAMES

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

Three (3) lights appear
on nautical charts 1274 and 1050
They are located SW. 1/4 S. and SE.
of Bodwin Pt. in Lake Pelto
and could not be identified
on the photographs.

- 4 e

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 the Washington Office 29 April 1953.

Letter of Transmittal dated 28 January 1953, 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 the Washington Office at a later date.

Letter of Transmittal No. 90-9, "Special Report, Boundaries, Project Ph-90", forwarded to the Washington Office 6 May 1953.

Blueprint of The Texas Company's Lake Pelto Field, and positions of wells in same field forwarded to Washington Office as part of field data for this map.

Letter of Transmittal No. 90-33, Data, Quadrangle T-9880(), forwarded to Washington Office **MAY 14 1953**

Submitted
13 May 1953

Isaiah Y. Fitzgerald
Isaiah Y. Fitzgerald
Photogrammetric Engr.

Approved & Forwarded
MAY 14 1953

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

SCALE FACTOR

1 FT. = 3048006 METER	DATE 10/20/53	CHECKED BY J. Steinberg	DATE 10/18/53	COMM-DC-5784E
COMPUTED BY B. Wilson				

COMPILATION REPORT T-9880PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9865

31. DELINEATION

The graphic method was used, The field inspection was adequate and no difficulty was encountered in the interpretation of the photographs.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

A map showing The Texas Company Lake Pelto Oil Field and a list of positions showing wells was used.

These wells were plotted on a special grid using C. & G.S. stations BODWIN, 1928 and ELAINE, 1928 as a basis of control. They were transferred to the manuscript. ELAINE, 1928 falls on T-9872.

It will be noted that the plotted positions of the wells and the radio tower match the radial plot positions of these features and all others that could be seen on the photographs.

34. CONTOURS AND DRAINAGE

A number of spot elevations throughout the sheet show no elevation higher than four feet.

The drainage is natural and no difficulty was encountered with its delineation.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate and no difficulty was encountered in delineation of the mean high-water line. The low-water line shown was taken from the field inspection notes on various photographs.

36. OFFSHORE DETAILS

The offshore details consist of the wells, catwalks, tanks, etc. of The Texas Company Lake Pelto Oil Field which were taken from the photographs. The plotted positions of wells were furnished by The Texas Company. Reference Item 33.

37. LANDMARKS AND AIDS

Reference Item 9. There is one landmark on the manuscript which is being duly reported on Form 567.

38. CONTROL FOR FUTURE SURVEYS

There are no marked topographic stations anywhere on the quadrangle.

One (1) Form 524 has been submitted for a landmark, RADIO TOWER, and listed under Item 49.

39. JUNCTIONS

Junctions have been made with the following sheets: T-9872 to the north; T-9879 to the west; T-9881 to the east; no contemporary survey to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

No sections were recovered by the field inspection. The only available G.L.O. plats are dated 1842. Since there is insufficient similarity between the G.L.O. plats and the manuscript, detail could not be held to control section lines, therefore they were omitted.

42. GEOGRAPHIC NAMES

Names were taken from the final "NAME SHEET" submitted by the Washington Office. However, The Texas Company Lake Pelto Oil Field, not shown on the name sheet, has been shown on the manuscript.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Topographic Map, EAST DERNIERE, LA., scale 1:31,680 surveyed in May 1935. Many shoreline changes are probably due to erosion. The Lake Pelto Oil Field is not shown on the map.

Comparison was made with C.& G.S. Planimetric Map T-9295, scale 1:20,000, edition of 1934. Some of the islands have disappeared and the shoreline has eroded generally.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with C. & G.S. Chart 1274, scale 1:80,000 edition of 1938, corrected to 29 December 1952.

The maps listed under Item 46 are evidently the source of the topography on the chart. The same differences apply.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None

Irving I. Saperstein
I. I. Saperstein
Carto Photo Aid

Approved and Forwarded:

William A. Rouse
for H. C. Applequist
Chief of Party

T-9880.Geographic Names.

Bay Blanc
Bodwin Cutoff
Bodwin Point

East Derniere (title only; no feature of this name, except as
 east part of Isles Dernieres)

Gulf of MexicoIsles Dernieres

Lake Pelto
Louisiana

Old Camp Pass

Pass la Poudre
Point Mast

Terrebonne Bay
Terrebonne Parish
The Texas Company Lake Pelto Oil Field
Trinity Bay
Trinity Bayou

Wine Island Pass

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

49. NOTES FOR THE HYDROGRAPHER

The following station for which Form 524 has been submitted will be of use to the hydrographer:

THE TEXAS COMPANY LAKE PELTO RADIO TOWER, 1953.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NON-FLUORESCENT AND/OR LANDMARKS FOR CHARTS

TO BE CHARTED

STRIKE OUT ONE

Tampa, Florida

25 Jan. 1956

I recommend that the following objects which have ~~been~~^{been} inspected from seaward to determine their value as landmarks be charted on ~~(attached from)~~ the charts indicated.

The positions given have been checked after listing by I. I. Saperstein

H. C. Applequist, ⁶⁰	Chief of Party.
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[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating*

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Photogrammetric Review Branch

TO BE CHARTED

DELETED

STRIKE OUT ONE

TECHNICAL NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Tampa Photocopying Office

January 25, 1956

I recommend that the following objects which have ~~(have been)~~ 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 I. I. Saparstein

U. C. Applequist
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

50.

T- 9880

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

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 XX
 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 J.G. 14. Rocks, shoals, etc. J.G. 15. Bridges XX 16. Aids to navigation XX 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 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 39. Forms J.G.
 40. Jesse A. Giles William A. Reese
 Jesse A. Giles Reviewer William A. Reese 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-9880
October 1957

61. GENERAL STATEMENT

This topographic map manuscript was originally compiled from 1952 photography and 1953 field inspection. Photography of 1956 was used later to apply extensive revisions, which effected particularly the outer shoreline - along ISLES DERNIERES.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-1763	1:20,000	1887
T-2752	1:20,000	1906
T-5295	1:20,000	1934
T-6068	1:20,000	1934
T-6108	1:20,000	1934

Considerable differences exist between these surveys. Frequent storms and hurricanes and continuous erosion are changing the subject area constantly. In addition, much change has taken place recently because of ever-increasing interest in oil in the shallow lakes and bays in this particular area of the Gulf of Mexico.

T-9880 is to supersede the above-listed registered surveys for nautical charting purposes for common areas.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

EAST DERNIERE, LA., 1:31680, 1935 U. S. Geological Survey. There are considerable differences between these surveys for causes listed under No. 62.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There are no contemporary hydrographic surveys of this area.

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65. COMPARISON WITH NAUTICAL CHARTS

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

Differences that exist between subject topographic survey and above-listed Nautical Charts may be deemed as not of sufficient magnificence for concern. However, a further study for possible future consideration is recommended.

Three (3) lights appear on nautical charts 1274 and 1050 (SW, S and SE of Bodwin Pt. in Lake Pelto). These lights were established since the time of field inspection in March 1953 and these could not be identified on the 1956 photography.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

The 1956 photography used in the revision of the subject topographic map manuscript underwent careful study before changes were applied. Although this photography is without field inspection and the subject area was not field edited deficiencies in accuracy and adequacy are not indicated.

Reviewed by

Josef J. Streifler
Josef J. Streifler

Approved

L. C. Lande
Chief, Review and Drafting Section
Photogrammetry Division

Maxwell
Chief, Nautical Chart
Branch, Charts Division

John B. Zuer
Chief, Photogrammetry Division

J. B. Zuer
Chief, Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9880
1952-56 Rvw dated Oct 1957

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.