

9878

Diag. Cht. No. 1275-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-90 Office No. T-9878

LOCALITY

State Louisiana

General locality Caillou Bay

Locality West Derniere

19452-53-56

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)

9878

DESCRIPTIVE REPORT - DATA RECORD

T - 9878

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 September 1952
(Supplement 1) 25 September 1952
(Supplement 2) 30 September 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):

MAR 19 1956

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): COON POINT 1928

Lat.: $29^{\circ}03'32''.097$ (988.2 m) Long.: $90^{\circ}57'39''.754$ (1075.4 m)

Adjusted

~~XXXXXXXXXX~~

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

All contouring by

W. M. Reynolds

*There are no contours
on this quad -
spot elevations only
JJS.
(Reviewer)*

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

DESCRIPTIVE REPORT - DATA RECORD

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

Date: **March 1953**

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

Date: **March 1953**

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): *Oct. 1956*
~~Air Photo compilation March 1953~~
See Page 5

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

Date: **8 Aug. 1953**

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

Date: **10 Aug. 1953**

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

Date: **4 Mar. 1955**

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

Date: **4 Mar. 1955**

Radial Plot ~~or Stereoscopic~~
~~Control extension~~ by (III): **M. M. Slavney**

Date: **20 April 1955**

Stereoscopic Instrument compilation (III):
Planimetry
Contours **Inapplicable**

Date:

Date:

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

Date: **Sept. 1955**

Photogrammetric Office Review by (III): **R. R. Wagner**

Date: **Sept. 1955**

Elevations on Manuscript
checked by (II) (III): **R. R. Wagner**

Date: **Sept. 1955**

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **C & G S 9-lens camera**

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
39442	28 Sept. 1952	11:38	1:20,000	0.6
39443	" " "	11:39	"	0.6
39462	" " "	12:10	"	"
39463	" " "	12:12	"	"
39465	" " "	12:16	"	"
39466	" " "	12:17	"	"
39467	" " "	12:19	"	"

Single-lens

56W 4381 - 4387 inc. 10-24-1956 1:30,000
56W 4431 - 4435 " 10-24-1956 1:30,000

Tide (III) Predicted Tides

Reference Station: **Pensacola**
 Subordinate Station: **Raccoon Point, Caillou Bay**
 Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
--	--	1.3
1.3	--	1.7

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): **2**

Shoreline (More than 200 meters to opposite shore) (III): **19**

~~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: **2**

Number of BMs searched for (II): **3**

Recovered: **2**

Identified: **1**

Number of Recoverable Photo Stations established (III): **None**

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

Remarks:

SUMMARY
TO ACCOMPANY TOPOGRAPHIC MAT T-9878
October 1957

This is one of project PH-90 (6090) Planimetric and Topographic Mapping. It covers the west portion of ISLES DERNIERES on the Gulf Coast of Louisiana.

Subject topographic survey was compiled in 1955 at the Tampa District Office from 1952 nine-lens photography and subsequent field inspection of 1953. In the early part of 1957 the Washington Office furnished the Tampa Office ratio prints at a scale of 1:20,000 of single-lens 1956 photography at a scale of 1:30,000. A careful study of this later photography resulted in adequate revision of the original manuscript. *

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 publication of 1935.

A photographic positive (CRONAR) at manuscript scale 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 shoreline changed between 1952 and 1956. Details of this change can be studied by comparing this map with the 1956 1952 photographs

THE FIELD INSPECTION REPORT
IS SUBMITTED WITH T-9879

SCALE FACTOR

[illegible]

COMPILATION REPORT T-9878PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9672.

31. DELINEATION

The Graphic method was used.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

No discrepancy in the field contouring was encountered. The drainage was easily delineated as it is all tidal and is self evident on the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline was clearly indicated on the photographs by the field inspector. The low-water line was delineated from data furnished by the field party. There are no alongshore features.

36. OFFSHORE DETAILS

An oil well was identified on the field photographs and its position was determined by radial plot. C & G S Nautical Chart No. 1275 shows this to be a platform(lighted).

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

A satisfactory junction was made with T-9870 on the north and T-9879 on the east. There are no contemporary surveys to the west and south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

Detail is insufficient to control land lines and , since no corners were recovered, it was impossible to show any land lines.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with a ^{brown} ~~broken~~ line print of C & G S Planimetric Manuscript T-5291, 1:20,000 scale, corrected to July 1934. There are large shoreline changes and an additional large island in the ISLES DERNIERS group at longitude 90°53' to 90°54'. There are smaller shoreline changes elsewhere.

Comparison was also made with Geological Survey Quadrangle WEST DERNIERE, LA.; scale 1:31,680, field examination in 1935. The same differences appear as stated.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with C & G S Chart No. 1275, scale 1:80,000 published in 1938, last correction date 17 July 1953. The Maps listed under Item 46 appear to be the sources of topography and the same differences are found.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

for Jussel A. Giles
Eugene T. Ogilby
Carto Photo Aid

Approved and Forwarded:

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

T-9878.

Geographic Names.

Caillou Bay ✓
Coupe Colin ✓

(omit Pass after this name, which signifies a cut or pass)

Grand Pass des Ilettes ✓
Gulf of Mexico ✓

Isles Dernieres ✓

Louisiana ✓

Raccoon Point ✓

Terrebonne Parish ✓

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

Names approved Nov. 26, 1956
L. Heck L.H.

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

**TO BE CHARTED
TO BE DELETED**

STRIKE OUT ONE

Wm. H. Patterson, Jr. 1956

I recommend that the following objects which hävö (*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 Robert E. Harper

D. C. Little Company

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 be

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9878

50.

1. Projection and grids RRW 2. Title RRW 3. Manuscript numbers RRW 4. Manuscript size RRW
4a 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 RRW
9. Plotting of sextant fixes RRW 10. Photogrammetric plot report WAR 11. Detail points RRW

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline RRW 13. Low-water line RRW 14. Rocks, shoals, etc. RRW 15. Bridges XX 16. Aids to navigation XX 17. Landmarks XX 18. Other alongshore physical features RRW 19. Other along-shore cultural features RRW

PHYSICAL FEATURES

20. Water features RRW 21. Natural ground cover RRW 22. Planetable contours RRW 23. Stereoscopic instrument contours XX 24. Contours in general RRW 25. Spot elevations RRW 26. Other physical features RRW

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines RRW 32. Public land lines RRW

MISCELLANEOUS

33. Geographic names RRW 34. Junctions RRW 35. Legibility of the manuscript RRW 36. Discrepancy overlay RRW 37. Descriptive Report RRW 38. Field inspection photographs RRW 39. Forms RRW
40. William A. Pasure William A. Pasure
Reviewer 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-9878
October 1957

61. GENERAL STATEMENT

The subject topographic map was originally compiled from 1952 nine-lens photography and 1953 field inspection findings. Later photography - 1956 single-lens - was used to revise the existing manuscript without benefit of additional field inspection. This revision resulted in a complete change of previously detailed information - though the report makes no mention of the extensive revision based on 1956 photography.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-410	1:10,000	1853
T-1691	1:20,000	1887
T-1762	1:20,000	1887
T-5291	1:20,000	1934
T-6108	1:20,000	1934

Considerable differences exist between these surveys. Storms, Hurricanes and Erosion are changing these low marsh areas (particularly offshore islands) continuously. Extensive changes are indicated between the 1934 surveys and subject topographic survey. T-9878 is to supersede the above listed surveys for nautical charting purposes for common areas.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

West Derniere, La., 1:31680, 1935, Geological Survey.

There is poor agreement between these surveys for causes listed under No. 62.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There are no contemporary hydrographic surveys of this area.

65. COMPARISON WITH NAUTICAL CHARTS

1275	1:80,000	Revised to 57 9/16
1050	1:175,000	Revised to 57 2/25

- 2 -

65. COMPARISON WITH NAUTICAL CHARTS CONTINUED

Nautical chart 1275 includes the major changes made available by T-9878. Chart 1050 does not indicate these revisions and it is suggested that this be considered for the next printing.

One aid to navigation - a fixed light - has been established at the entrance of Grand Pass des Ilettes in Caillou Bay after the time of field inspection in March 1953. This light appears on the two Nautical Charts but could not be identified on the 1956 photography.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

The 1956 photography used in the extensive revision of the original compilation is well defined and appears sufficiently adequate for the applied changes, though it was not field inspected nor field edited. With the exception of two horizontal control stations, there is a complete lack of cultural features and for this reason it is presumed adequate without afore-mentioned field inspection or field edit. The two horizontal control stations, however, are of concern for future surveys. Station RYE, 1934 formerly on the southeastern tip of the westernmost island of the ISLES DERNIERES, now falls about 30 meters offshore in the Gulf of Mexico. Station COON POINT, 1928 on the western end of this same island (near Racoon point) is now less than 20 meters from a receding shoreline. Topographic survey T-6108, 1934 and Geological Survey quad WEST DERNIERE, LA., 1935 shows this subject horizontal station about 100 meters inshore.

Reviewed by

Josef J. Streifler
Josef J. Streifler

Approved

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

Max H. Kett
Chief, Nautical Chart
Branch, Charts Division

Art J. Bull
Chief, Photogrammetry Division

W. D. Hunk
Chief, Coastal Surveys

MM

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9878
(1952-56) Reviewed 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.