Diagram Chart 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

1962-53-56

CHIEF OF PARTY
E.H. Kirsch, Chief of Field Party
H.C. Applequist, Tampa Photo. Office

LIBRARY & ARCHIVES
DATE June 5, 1958
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): 5/12/56

Publication Scale (IV):

Date: Publication date (IV):

Geographic Datum (III): NA 1927

Vertical Datum (III):
Mean sea level except as follows:
Elevations shown as (2) refer to mean high water
Elevations shown as (4) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): COON POINT 1928

Lat.: 29°03'32".097 (988.2 m) Long.: 90°57'39".754 (1075.4 m)

Adjusted

Plane Coordinates (IV):

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

All contouring by
W. M. Reynolds

There are no contours on this quad - spot elevations only

US (Reviewer)
DESCRIPTIVE REPORT - DATA RECORD

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

Elevation

Plane Table contouring by (II):  W. M. Reynolds

Completion Surveys by (II):

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

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

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

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

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

Radial Plot compiled (III):  M. M. Slavney

Stereoscopic Instrument compilation (III):  Inapplicable

Planimetry

Contours

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

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

Elevations on Manuscript

checked by (III):  R. R. Wagner

Date:  March 1953

Date:  March 1953

Date:  Oct. 1956

Date:  8 Aug. 1953

Date:  10 Aug. 1953

Date:  4 Mar. 1955

Date:  4 Mar. 1955

Date:  20 April 1955

Date:  Sept. 1955

Date:  Sept. 1955

Date:  Sept. 1955
Camera (kind or source) (III): C & G S 9-lens camera

PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>39442</td>
<td>28 Sept. 1952</td>
<td>11:38</td>
<td>1:20,000</td>
<td>$0.6$</td>
</tr>
<tr>
<td>39443</td>
<td></td>
<td>11:39</td>
<td></td>
<td>$0.6$</td>
</tr>
<tr>
<td>39446</td>
<td></td>
<td>12:10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>39443</td>
<td></td>
<td>12:12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>39445</td>
<td></td>
<td>12:16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>39446</td>
<td></td>
<td>12:17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>39447</td>
<td></td>
<td>12:19</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

$S W 4381 - 4387$ inc. 10-24-1956  1:30 000
$S W 4431 - 4435$  10-24-1956  1:30 000

Tide (III)

Predicted Tides

<table>
<thead>
<tr>
<th>Ratio of</th>
<th>Mean Range</th>
<th>Diurnal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ranges</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.3</td>
<td>1.3</td>
<td>1.7</td>
</tr>
</tbody>
</table>

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

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 2
Shoreline (More than 200 meters to opposite shore) (III): 19
Control Leveling - Miles (II): None
Number of Triangulation Stations searched for (II): $\frac{1}{3}$ Recovered: 2 Identified: 2
Number of BMs searched for (II): $\frac{1}{3}$ 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 MAP 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 changes made between 1952 and 1956. Details of these changes can be studied by comparing this map with the 1956 1952 photographs.
THE FIELD INSPECTION REPORT
IS SUBMITTED WITH T-9879
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>LATITUDE OR ( y )-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>( x )-COORDINATE</td>
<td>FORWARD (BACK)</td>
<td>FORWARD (BACK)</td>
</tr>
<tr>
<td>Coon Pt., 1928</td>
<td>G2386, F.87, 1927</td>
<td>29 03 32.097</td>
<td>988.2 (859.0)</td>
<td>988.2 (859.0)</td>
</tr>
<tr>
<td>Rye, 1934</td>
<td>03592, F.229, N.</td>
<td>29 02 35.45</td>
<td>1091.4 (755.8)</td>
<td>1091.4 (755.8)</td>
</tr>
</tbody>
</table>

1 FT. = 0.3048006 METER

COMPUTED BY: B. Wilson, DATE: 10/13/53, CHECKED BY: J. Steinberg, DATE: 10/14/53
COMPILATION REPORT T-9878

PHOTOGRAMMETRIC 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 photo-
   graphs.

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.
16. **PUBLIC LAND LINES**

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

16. **COMPARISON WITH EXISTING MAPS**

Comparison was made with a brown 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°55'. There are smaller shoreline changes elsewhere.

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

17. **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

Approved and Forwarded:

H. C. Applequist
Chief of Party
T-9378. Geographic Names.

Caillou Bay
Coupe Colin (omit Pass after this name, which signifies a cut or pass)
Grand Pass des Plottes
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.A.
### DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

---

<table>
<thead>
<tr>
<th>STATE</th>
<th>LOUISIANA</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAVAL DRY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLATEROY</td>
<td>Oil well (lighted)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>POSITION</th>
<th>LATITUDE°</th>
<th>LONGITUDE°</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>o f D.METERS</td>
<td>o f D.P.METERS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>29° 16'</td>
<td>672</td>
<td>60 5h</td>
<td>251</td>
<td>1937 A.D. 9275</td>
<td>1953 X</td>
</tr>
</tbody>
</table>

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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- 9878

50.

1. Projection and grids ___
   2. Title ___
   3. Manuscript numbers ___
   4. Manuscript size ___

5. Horizontal control stations of third-order or higher accuracy ___
6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ___
7. Photo hydro stations ___
8. Bench marks ___
9. Plotting of sextant fixes ___
10. Photogrammetric plot report ___
11. Detail points ___

ALONGSHORE AREAS
(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads ___
28. Buildings ___
29. Railroads ___
30. Other cultural features ___

BOUNDARIES

31. Boundary lines ___
32. Public land lines ___

MISCELLANEOUS

33. Geographic names ___
34. Junctions ___
35. Legibility of the manuscript ___
36. Discrepancy overlay ___
37. Descriptive Report ___
38. Field inspection photographs ___
39. Forms ___

40. Reviewer ___
    William A. Rague
    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.

43. Remarks: ___

Compiler ___

Supervisor ___

M-2623-12
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

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-610</td>
<td>1:10,000</td>
<td>1853</td>
</tr>
<tr>
<td>T-1691</td>
<td>1:20,000</td>
<td>1887</td>
</tr>
<tr>
<td>T-1762</td>
<td>1:20,000</td>
<td>1887</td>
</tr>
<tr>
<td>T-5291</td>
<td>1:20,000</td>
<td>1934</td>
</tr>
<tr>
<td>T-6108</td>
<td>1:20,000</td>
<td>1934</td>
</tr>
</tbody>
</table>

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


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

<table>
<thead>
<tr>
<th>Chart</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1275</td>
<td>1:80,000</td>
<td>Revised to 57 9/16</td>
</tr>
<tr>
<td>1050</td>
<td>1:175,000</td>
<td>Revised to 57 2/25</td>
</tr>
</tbody>
</table>
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 Raccoon point) is now less than 20 meters from a receding shoreline. Topographic survey T-6108, 1934 and Geologic Survey quad WEST DERNIERE, LA., 1935 shows this subject horizontal station about 100 meters inshore.

 Reviewed by

Josef J. Straifler

Approved.

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

May S.Kett
Chief, Nautical Chart Branch, Charts Division

Chief, Photogrammetry Division

Chief, Coastal Surveys
# Nautical Charts Branch

**Survey No.** T-9878 (1952-56) Reviewed Oct 1957

## Record of Application to Charts

<table>
<thead>
<tr>
<th>Date</th>
<th>Chart</th>
<th>Cartographer</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-22-57</td>
<td>1275</td>
<td>CR. Willman</td>
<td>Partially Applied before verification and review.</td>
</tr>
<tr>
<td>1-22-59</td>
<td>1050</td>
<td>R. E. Elkins</td>
<td>Partially applied thru the partial application to chart 1275 dry 0.</td>
</tr>
<tr>
<td>4-2-91</td>
<td>1356</td>
<td>L. Omana</td>
<td>Considered Fully Applied, No Further Correction. Before After Verification and Review.</td>
</tr>
</tbody>
</table>

Before After Verification and Review

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.