<table>
<thead>
<tr>
<th>Field No.</th>
<th>Ph-33(48)</th>
<th>Office No.</th>
<th>T-9117</th>
</tr>
</thead>
</table>

**Type of Survey** TOPOGRAPHIC

**State** LOUISIANA

**General Locality** GULF COAST

**Locality** MARSH ISLAND

**CHIEF OF PARTY**
Charles W. Clark, Chief of Field Party
Arthur L. Wardwell, Tampa Photogrammetric Office

**LIBRARY & ARCHIVES**

**DATE** Jan-15-1953
DATA RECORD

T-9117

Project No. (II): Ph 33 (43) Quadrangle Name (IV): Mound Point

Photogrammetric Office (III): Tampa, Fla. Officer-in-Charge: Arthur L. Wardwell
Instructions dated (II) (III): 2 July 1948 Copy filed in Division of Photogrammetry (IV) Office Files

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): 27 June 1950 Date reported to Nautical Chart Branch (IV): 7-3-52

Applied to Chart No.: Date: Date registered (IV): 12-5-52

Publication Scale (IV): 1:24,000 Publication date (IV):

Geographic Datum (III): N.A. 1927 Vertical Datum (III):
Mean sea level except as follows:
Elevations shown as (a) refer to mean high water
Elevations shown as (g) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): SOUTH, 1933

Lat.: 29° 29' 27.23 (838.4m) Long.: 91° 45' 57'' 85 (1558.4m) Adjusted

Plane Coordinates (IV):

Y= State: Louisiana Zone: 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 T-Page 1
Areas contoured by various personnel
(Show name within area)
(II) (III)
DATA RECORD

Field Inspection by (II): W. M. Reynolds
J. H. Clark
Date: 22-24 Sept. 1948

Planetary contouring by (II): W. M. Reynolds
Date: 24 Sept. 1948

Completion Surveys by (III): C. A. Naquin
Date: 19-21 Feb. 1951

Mean High Water Location (III)* (State date and method of location):
22-24 Sept. 1948 - Field Survey
13 Mar. 1948 - Air photo compilation
Date: 26 Oct. 1948

Control plotted by (III): J.F. Armstrong
Date: 26 Oct. 1948
Date: 22 Mar. 1949

Control checked by (III): R.J. Fate
Date: 21 June 1949

Radial Plot
Stereoscopic
Coordinates by (III): M.M. Slavney
Date: 25 Oct. 1949

Planimetry

Stereoscopic Instrument compilation (III): Inapplicable
Contours

Manuscript delineated by (III): I.I. Saperstein
Date: Dec. 1949

Photogrammetric Office Review by (III): J.A. Giles
Date: Mar. 1950

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

Form T: Page 3
M-5018-124(3)
Camera (kind or source) (III): U.S.C.&G.S. Nine lens

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>21945</td>
<td>13 Mar, 1948</td>
<td>11 52</td>
<td>1:20,000</td>
<td>0.1</td>
</tr>
<tr>
<td>21973</td>
<td>12</td>
<td>12 53</td>
<td>1:20,000</td>
<td>0.1</td>
</tr>
</tbody>
</table>

Tide (III)

Reference Station: Galveston
Subordinate Station: Point Chevreuil, E. Cote Blanche Bay
Subordinate Station:

Washington Office Review by (IV): K.N. Mak

Final Drafting by (IV):
Drafting verified for reproduction by (IV):
Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 6.5
Shoreline (More than 200 meters to opposite shore) (III): 8.7 Mi.
Shoreline (Less than 200 meters to opposite shore) (III): 6.5 Mi.
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 1 Recovered: 1 Identified: 1
Number of BMs searched for (II): None Recovered: - Identified: -
Number of Recoverable Photo Stations established (III): 3
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

<table>
<thead>
<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>1.1</td>
<td>1.6</td>
</tr>
</tbody>
</table>

Date: 4 May 1951
Summary to Accompany T-9117

T-9117 is one of 17 topographic quadrangles in Project Ph-33(48) on the Louisiana coast southwest of New Orleans in the vicinity of Vermilion Bay, west of East Cote Blanche Bay on the Gulf of Mexico. The land area in this quadrangle covers the south portion of Marsh Island from South Point to west of Mound Point. The land area is almost entirely marsh land and contains no roads, buildings or other cultural features. The field operations preceding compilation included complete field inspection and the recovery of horizontal control. The five foot contour is the only one shown and is limited to the sand and shell build-up along the shore-line in the vicinity of Mound Point. The map is a graphic compilation at a scale of 1:20,000 and consists of one sheet 7½' in latitude by 7½' in longitude. The entire map was field-edited. The map is to be published by the U. S. Geological Survey at a scale of 1:24,000 as a standard 7½' topographic quadrangle. The registered data to be permanently filed in the Bureau Archives under T-9117 will include a cloth-mounted lithographic print of T-9117 at scale 1:20,000 a cloth-mounted color print of the published map at scale 1:24,000 and the original descriptive report. Hydrographic data, depth curves and soundings, will be included on the color print.
THE FIELD INSPECTION REPORT COVERS QUADRANGLES T-9114, T-9115, T-9116, T-9117, AND IS BOUND WITH T-9116.
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR $\phi$-COORDINATE</th>
<th>LONGITUDE OR $\lambda$-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>South, 1933</td>
<td>1537</td>
<td>p.10</td>
<td>N.A.</td>
<td>1927</td>
<td>29 29 27.23</td>
<td>91 45 57.85</td>
<td>836.4</td>
<td>1558.4</td>
</tr>
</tbody>
</table>
COMPILATION REPORT, T-9117

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9018, Project Ph21(47).

31. DELINEATION

The manuscript was delineated graphically from a good scale nine lens photograph.

The field inspection was adequate for delineation and no difficulty was encountered in the interpretation of the photographs.

32. CONTROL

The identification, density and placement of pass points were adequate.

33. SUPPLEMENTAL DATA

None was used.

34. CONTOURS AND DRAINAGE

Two five foot contours were delineated on the shell beach in the vicinity of Mound Point. All other areas are below five feet. All drainage is natural and clearly visible on the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate and no difficulty was encountered in its delineation.

The low water or shoal line could not be seen on the photograph and was therefore omitted from the manuscript.

36. OFFSHORE DETAILS

Offshore shell banks appearing on photograph 21973 on this quadrangle were not compiled because of lack of control. These banks were located by planetable methods on survey T-4926 in 1934, to which survey reference should be made for position and outline. It is to be noted, however, that on T-4926 these banks are delineated as islands delimited by a mean-high water line. Field inspection on photograph No. 21973 states that these features are "Awash at high water." Refer to item #57.
37. **LANDMARKS AND AIDS**

One landmark was recommended for charting by the field party. This was radially cut in and its position determined. Refer to item #58 and #65.

There are no aids to navigation on this manuscript.

38. **CONTROL FOR FUTURE SURVEYS**

Three topographic stations were established. The points were cut in radially, and form 524 was submitted for each.

[Signature: Dame, 1945.
Mike, 1945.
Quit, 1945.]

A list of these topographic stations is included in Item 49. Refer to item #59.

39. **JUNCTIONS**

T-9115 to the north: in agreement

- to the south: water (Gulf of Mexico)
- to the east: water
- to the west: water

40. **HORIZONTAL AND VERTICAL ACCURACY**

No statement.

41. **SECTION LINES** see also item #68

No section corners were recovered anywhere in this quadrangle. Lack of identifiable detail on the General Land Office plots makes it impossible to delineate the section lines on the manuscript with any degree of accuracy. Section lines were therefore omitted.

46. **COMPARISON WITH EXISTING MAPS**

Comparison was made with Geological Survey Quadrangle "BAYOU BLANC, LA", scale 1:31,680, edition of 1932. The manuscript is in good agreement with the map except for some changes in the stream at South Point.

There are no planimetric maps available for comparison.
47. **COMPARISON WITH NAUTICAL CHARTS**

Comparison has been made with chart 1276, edition of Mar. 1939, and bearing a print date of 18 Aug. 1947 and chart 1277, edition of Nov. 1938, bearing a print date of 11 April 1949. Both charts are scale 1:80,000. The map listed under Item 46 was apparently the main source of the planimetry for these charts and the same difference applies.

A wreck shown on chart 1277 at approximate Latitude 29° 24.4', Longitude 91° 51.3' was not recovered by the field inspector and should be investigated by the hydrographic party.

Reference Item 36 concerning Shell Keys.

**ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY**

None.

**ITEMS TO BE CARRIED FORWARD**

None.

---

Approved and Forwarded

Arthur L. Wardwell
Chief of Party
PHOTOGRAMMETRIC OFFICE REVIEW
T- 9117


CONTROL STATIONS
5. Horizontal control stations of third-order or higher accuracy  JG  6. Recoverable horizontal stations of less
than third-order accuracy (topographic stations)  JG  7. Additional control stations  JG
11. Detail points  JG

ALONGSHORE AREAS
(Nautical Chart Data)
15. Aids
to navigation  JG  16. Landmarks  JG  17. Other alongshore physical features  JG

PHYSICAL FEATURES
23. Other physical
features  JG

BOUNDARIES

MISCELLANEOUS
26. Geographic names  JG  27. Junctions  JG  28. Legibility of the manuscript  JG
29. Discrepancy
overlay  JG  30. Descriptive Report  JG
31. Field inspection photographs  JG
32. Forms  JG
33. Forms  JG
34. Jesse A. Giles  JG  35. William A. Bainter  JG
Review  37. Descriptive Report  JG
38. Field inspection photographs  JG
39. Forms  JG
40. Jesse A. Giles  JG  36. Forms  JG
Supervisor, Review Section or Unit

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT
41. Remarks (see attached sheet)

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:
51. METHODS

All features were checked by visual inspection. The corrected position of topographic station "QUIT 1948" was determined by plan table traverse and resection.

All corrections, additions, and deletions have been shown on the field edit sheet, or if shown on the photographs, have been cross referenced to the field edit sheet.

A description of the colored inks used is shown on all field edit data.

The field edit data are shown on one (1) field edit sheet, one (1) discrepancy print, and one (1) field photograph No. 21945.

52. ADEQUACY OF COMPILATION

Good.

53. MAP ACCURACY

Satisfactory.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF THE PROOF COPY

The following individual has agreed to examine the proof copy:

Mr. Robert D. Landry
Field Supervisor
State Dept. of Wildlife and Fisheries
Civil Courts Building
New Orleans, Louisiana

There are no recommended changes in geographic names.

56. MEAN HIGH WATER LINE

The apparent shoreline from Mound Point, west to the quadrangle limits has eroded approximately 15 feet since 1948.

The marsh fringe along the shell banks from Mound Point, east to Long, 91 47.4 has washed away to form a smooth shell beach to be shown as MHNL.

The shell deposits have built up along portions of the apparent shoreline from Long, 91 47.3, east to South Point and should now be shown as MHNL.
57. **OFFSHORE DETAILS**

Refer to Item 36, Compilation Report.

The offshore shell banks, known as Shell Keys, appearing on photograph 21973, were inspected at high tide and found to be from 1 to 1.5 ft.

58. **LANDMARKS**

Refer to Item 37, Compilation Report.

The lone tree recommended for charting as a landmark by the field inspection party cannot be seen from the Gulf. This is now recommended for deletion inasmuch as brush and shell banks along the shoreline block any line of sight to this tree.

59. **TOPOGRAPHIC STATIONS**

The three topographic stations were recovered in good condition. It was found that station "QUIT 1948" had been incorrectly identified in 1948. The true position was determined by planetable traverse and checked by resection.

Submitted
23 February 1951

Cecil A. Navin
Cartographic Survey Aid

Approved
8 March 1951

Percy L. Bernstein
Chief of Party
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by I.I. Saperstein, Tampa Photogrammetric Office.

<table>
<thead>
<tr>
<th>State</th>
<th>Charting Name</th>
<th>Description</th>
<th>Signal Name</th>
<th>Latitude S.</th>
<th>Latitude D.M.</th>
<th>Latitude D.P.</th>
<th>Longitude S.</th>
<th>Longitude D.M.</th>
<th>Longitude D.P.</th>
<th>Datum</th>
<th>Method of Location and Survey No.</th>
<th>Date of Location</th>
<th>Chart Affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOUISIANA</td>
<td>TREE</td>
<td>Long tree near Gulf Shore - 25 ft high</td>
<td></td>
<td>29</td>
<td>28</td>
<td>1631</td>
<td>91</td>
<td>49</td>
<td>648</td>
<td></td>
<td>N.A.</td>
<td>1927</td>
<td>1277</td>
</tr>
</tbody>
</table>

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...
<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTING</th>
<th>NAME</th>
<th>DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATE</th>
<th>D.P. METERS</th>
<th>D.P. MILLIERS</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>(deleted from) the charts indicated.</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>The positions given have been checked after listing by K. H. Makr.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
GEOGRAPHIC NAME LIST

All geographic names were taken from a field copy of a special report on Geographic Names-Houma to Vermilion Bay, Louisiana. This report was prepared at the time the field work for Project PH14(46) was being done and is subject to change by the Geographic Name section of the Washington Office.

EAST BRANCH OYSTER BAYOU
GULF OF MEXICO
IBERIA PARISH
LOUISIANA
MARSH ISLAND
MOUND POINT

RUSSELL SAGE STATE GAME REFUGE
SHELL KEYS (not delineated) (name is used on nautical chart 1277)
SOUTH POINT

WEST BRANCH OYSTER BAYOU

POLICE JURY WARD

OYSTER BAYOU

Shell Keys Bird Reservation

Names underlined in red are approved.

5-1-51
L. Heck
REVIEW REPORT T-9117  
Topographic Map  
4 May 1951

62. Comparison with Registered Topographic Surveys.

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-1680</td>
<td>1:20,000</td>
<td>1886</td>
</tr>
<tr>
<td>T-4926</td>
<td>1:20,000</td>
<td>1934</td>
</tr>
<tr>
<td>T-6325b</td>
<td>1:20,000</td>
<td>1935</td>
</tr>
</tbody>
</table>

This map supersedes these surveys for nautical charting purposes.

63. Comparison with Maps of Other Agencies


Section lines are shown on the quadrangle but not on T-9117. See item 67 on section lines.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

1116, 1:458,596, ed. 1943, corr. 5/29/50
1276, 1:80,000, ed. 1939, corr. 10/9/51
1277, 1:80,000, ed. 1938, corr. 3/19/51

The sunken wreck immediately south of Shell Keys shown on chart 1277 is not shown on the map.

The shapes of the small sand and shell islets that form Shell Keys differ slightly from, number and position of latitude with respect to what is shown on Chart 1277 and the map. The longitudinal position of the keys agree closely.

The landmark "Tree" on Oyster Bayou, vicinity of Mound Point, shown on Chart 1277 is not on the manuscript. It has been recommended for deletion as a landmark by field edit. See item 58 "Landmarks". Form 567 has been submitted to the Nautical Chart Branch, Division of Charts, and a copy attached to this descriptive report.
66. Adequacy of Results and Future Surveys

This map is adequate and complete as a base for hydrographic surveys and nautical chart construction and complies with the National Map Accuracy Standards.

67. Delineation

Shell Keys was delineated during review. Nine-lens photographs 21945 and 21973 were used to verify the previously determined radial plot pass point on the north end of Shell Keys. The pass point checked to less than 0.5 mm. Photograph 21973 was used to delineate the sand and shell islets composing Shell Keys and their photogrammetrically located position is within the accuracy requirements as listed in item 66.

68. Section Lines and Boundaries

Section lines are not shown because of the impracticability of accurately locating their position as shown on the General Land Office (Bureau of Land Management) plats. No corners were recovered and there are no fixed natural or cultural features on which the land lines could be imposed other than with a very general approximation.

The portion of Marsh Island drawn on this map is part of the Russell Sage Foundation State Game Refuge with the exception of fractional section 16, T17S, R6E which is not shown because, as explained above, land lines could not be located on this map.

The name Shell Keys Bird Reservation was added to the map manuscript but no boundary limits are shown. No description defining the limits of this reservation was available, although a boundary line is shown on a copy of the 1937 State-Wide Highway Planning Survey (Iberia Parish) map. This boundary is offshore approximately one mile from Shell Keys at all points.

Shell Keys Bird Reservation is also listed in the publication "Louisiana", prepared by the Works Project Administration, as a federally owned wild life refuge.

69. Geographic Names

The list of geographic names attached to this descriptive report has been approved by the Geographic Names Section, Division of Charts.

Reviewed by:

K. N. Maki
Approved by:

S. I. Parfitt
Chief, Review Section
Div. of Photogrammetry

P. I. Reading
Chief, Div. Photogrammetry

Joseph D. Moreton
Chief, Nautical Chart Branch
Division of Charts

E. O. Hartman
Chief, Div. of Coastal Surveys
HISTORY OF HYDROGRAPHIC INFORMATION

T-9117

Marsh Island, Louisiana Gulf Coast, Louisiana

Hydrography was applied to the map manuscript in accordance with general specifications of 18 May 1949.

Depth curves and soundings are in feet at Mean Low Water and originate with the following surveys:

Hydrographic survey H-5837 (1935) 1:20,000
" " H-5852 (1935) 1:20,000
" " H-5766 (1934-35) 1:40,000
" " H-5953 (1935) 1:40,000

The depth curves and soundings were compared with C&GS Nautical Charts:

1276 (1950) 1:80,000
1277 (1949) 1:80,000

The depth curves and soundings are shown at 6 and 12 feet.

Depth curves and soundings were compiled by K. N. Maki and checked by R. E. Elkins.

K. N. Maki
11 June 1951
Div. of Photogrammetry
NAUTICAL CHARTS BRANCH

SURVEY NO. T-9117

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>4-23-57</td>
<td>1277</td>
<td>Patm Brijig</td>
<td>Before</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>After</td>
</tr>
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<td></td>
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<td>Verification and Review</td>
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<tr>
<td></td>
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<tr>
<td>11/56</td>
<td>1877</td>
<td>Patm Brijig</td>
<td>Before</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>No Corr</td>
</tr>
</tbody>
</table>

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.