

9117

ORIGINAL

Diag. Cht. Nos. 1276-2, 1277 & 1116-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHICField No. Ph-33(18) Office No. T-9117

LOCALITY

State LOUISIANAGeneral locality GULF COASTLocality MARSH ISLAND1951

CHIEF OF PARTY

Charles W. Clark, Chief of Field Party

Arthur L. Wardwell, Tampa Photogrammetric

Office

LIBRARY & ARCHIVES

DATE Jan - 15 - 1953

B-1870-1 (1)

9117

DATA RECORD

T-9117

Project No. (II): Ph 33(48)

Quadrangle Name (IV): Mound Point

Field Office (II): Abbeville, La.

Chief of Party: C. W. Clark

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 50 Date reported to Nautical Chart Branch (IV): 7-3-50

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 (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): SOUTH, 1933

Lat.: 29° 29' 27".23(838.4m)

Long.: 91° 45' 57".85(1558.4m)

Adjusted

0000000

Plane Coordinates (IV):

State: Louisiana

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.

W. M. Reynolds

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

Planetable contouring by (II): W. M. Reynolds

Date: 24 Sept. 1948

Completion Surveys by (II): C. A. Navin

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

Projection and Grids ruled by (IV): W.E.W. (Washington Office)

Date: 26 Oct. 1948

Projection and Grids checked by (IV): W.E.W. (Washington Office)

Date: 26 Oct. 1948

Control plotted by (III): J.F. Armstrong

Date: 22 Mar. 1949

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

Date: 21 June 1949

Radial Plot ~~or Stereoscopic~~

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

Date: 25 Oct. 1949

Planimetry

Stereoscopic Instrument compilation (III): Inapplicable

Date:

Contours

Date:

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):

Date: " "

Camera (kind or source) (III): **U.S.C.&G.S. Nine lens**

PHOTOGRAPHS (III)					
Number	Date	Time	Scale	Stage of Tide	
21945	13 Mar, 1948	11 52	1:20,000	0.1	
21973	"	12 53	"	0.1	

Tide (III)

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

Diurnal		
Ratio of Ranges	Mean Range	Range
1.1	1.1	1.6

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

Date: **4 May 1951**

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

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**

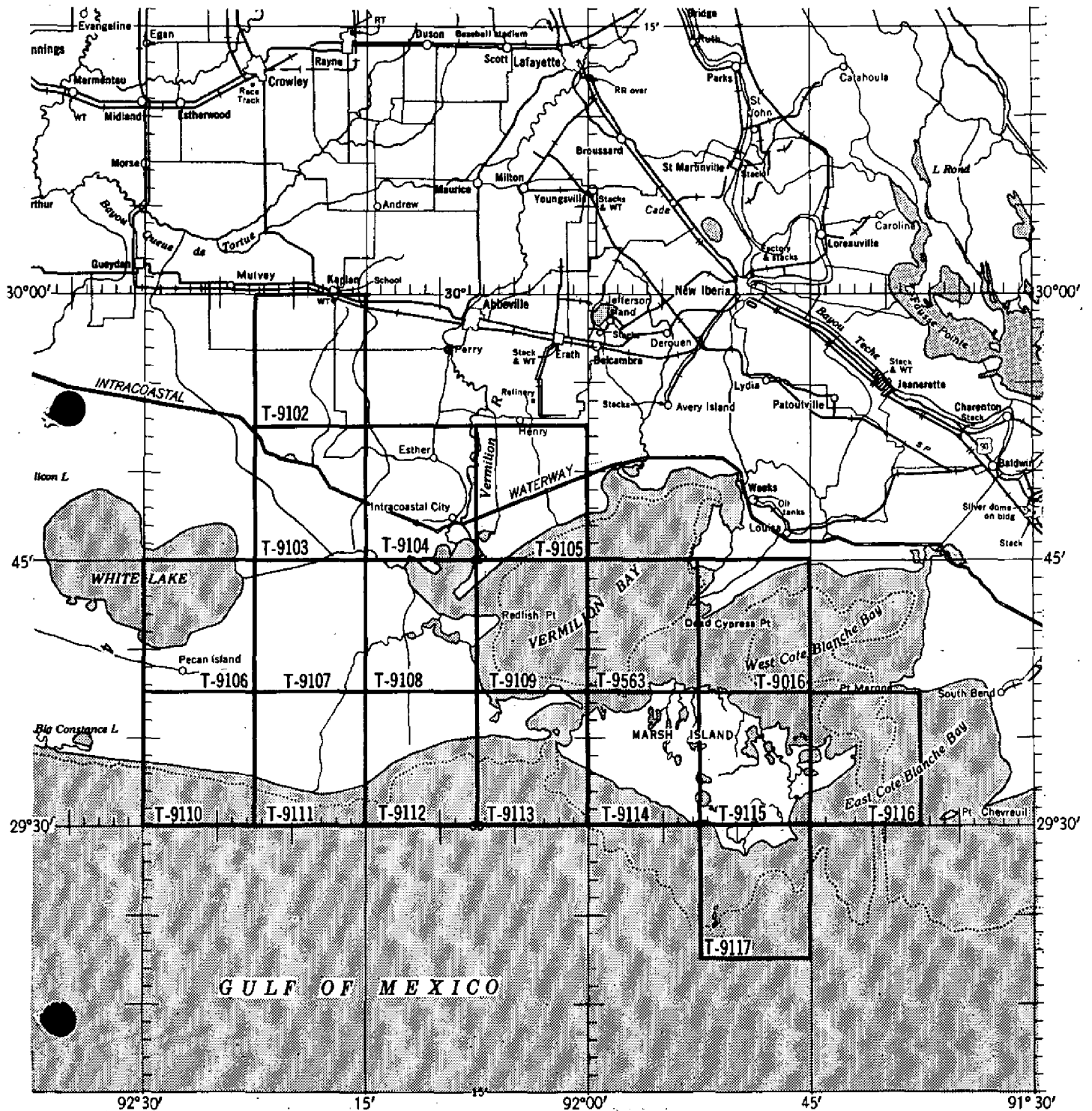
Number of BMs searched for (II): **None** Recovered: **-** Identified: **-**

Number of Recoverable Photo Stations established (III): **3**

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

Remarks:

LOUISIANA - INTRACOASTAL WATERWAY
East Cote Blanche Bay — White Lake



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 shoreline in the vicinity of Mound Point. The map is a graphic compilation at a scale of 1:20,000 and consists of one sheet $7\frac{1}{2}'$ in latitude by $7\frac{1}{2}'$ 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 $7\frac{1}{2}'$ 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.

MAP T-9117

PROJECT NO. Ph-33(48)

SCALE OF MAP 1:20,000

SCALE FACTOR 1.000

[illegible]

1 FT. = .3048006 METER
COMPUTED BY:

DATE: _____

CHECKED BY: _____

DATE: _____

M-2388-12

8.128

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

*Dame, 1948
Mike, 1948
Quit, 1948*

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

Filed in Div. Photogrammetry general files.

~~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 plats 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 $29^{\circ} 24.4'$, Longitude $91^{\circ} 51.3'$ 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.

Irving I. Saperstein
I. I. Saperstein
Cartographic Survey Aid.

Approved and Forwarded

Arthur L. Wardwell
Arthur L. Wardwell
Chief of Party

50 PHOTOGRAMMETRIC OFFICE REVIEW

T- 9117

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

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy NMS 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) JG
~~7. Horizontal control stations of third-order or higher accuracy~~
~~8. Horizontal control stations of third-order or higher accuracy~~ 10. Photogrammetric plot report JG 11. Detail points JG
~~9. Plotting of control lines~~

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline JG 13. Low-water line JG 14. Rocks, shoals, etc. JG ~~15. Bridges~~ 16. Aids to navigation JG 17. Landmarks JG 18. Other alongshore physical features JG ~~19. Other alongshore physical features~~
~~20. Other alongshore physical features~~

PHYSICAL FEATURES

20. Water features JG 21. Natural ground cover JG 22. Planetable contours JG ~~23. Planetable contours~~
~~24. Planetable contours~~ 24. Contours in general JG 25. Spot elevations JG 26. Other physical features JG~~PHYSICAL FEATURES~~~~27. Boats~~ ~~28. Buildings~~ ~~29. Railroads~~ ~~30. Other cultural features~~

BOUNDARIES

31. Boundary lines JG 32. Public land lines JG

MISCELLANEOUS

33. Geographic names JG 34. Junctions JG 35. Legibility of the manuscript JG 36. Discrepancy overlay JG 37. Descriptive Report JG 38. Field inspection photographs JG 39. Forms JG
40. Jesse A. Giles Jesse A. Giles William A. Rasure William A. Rasure
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:

M-2623-12

51. METHODS

All features were checked by visual inspection. The corrected position of topographic station "QUIT 1948" was determined by planetable 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 MHWL.

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 MHWL.

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 bare 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 can not 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
Cecil A. Navin
Cartographic Survey Aid

Approved

8 March 1951

Percy L. Bernstein
Percy L. Bernstein
Chief of Party

~~TO BE CHARTERED~~
~~TO BE DELETED~~

Washington, D. C.

1953

The positions given have been checked after listing by K. F. Maki

S. V. Griffith

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 date should be considered for the charting of the area and not for

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 ✓FOUNDATION
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 9 -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.

T-1680	1:20,000	1886
T-4926	1:20,000	1934
T-6325b	1:20,000	1935

This map supersedes these surveys for nautical charting purposes.

63. Comparison with Maps of Other Agencies

Bayou Blanc, La. (advance copy), 1:31,680, U.S.G.S., 1932

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 in form, 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.

-2-

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

-3-

Approved by:

S. V. Guffish 12/13/52
Chief, Review Section
Div. of Photogrammetry

W. E. Edmonston
Chief, Nautical Chart Branch
Division of Charts *GFV*

O. J. Reading
Chief, Div. Photogrammetry
WJ

Carl O. Heston
Chief, Div. of Coastal Surveys
CH

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

K. N. Maki
11 June 1951
Div. of Photogrammetry

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9117

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.