

9114

Diag. Cht. No. 1116-2 & 1277.

Form 594

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. PH-33 (48) Office No. T-9114

LOCALITY

State LOUISIANA

General locality VERMILION BAY

Locality MARSH ISLAND

1950-51

CHIEF OF PARTY

Charles W. Clark, Chief of Field Party

Arthur L. Wardwell, Tampa Photogrammetric
Office

LIBRARY & ARCHIVES

DATE AUG - 28 - 1951

B-1870-1 (1)

9114

DATA RECORD

T - 9114

Project No. (II): Ph-33(48) Quadrangle Name (IV):

Field Office (II): Abbeville, Louisiana

Chief of Party: Charles 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): 6-16-50

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

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): LA CROIX, 1933

Lat.: 29° 32' 17" 947" (552.6m)

Long.: 91° 57' 23" 461 (631.7m)

Adjusted
~~Unadjusted~~

Plane Coordinates (IV):

State: Louisiana Zone: South

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.

J. H. CLARK

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

DATA RECORD

Field Inspection by (II): J. H. Clark & W. M. Reynolds

Date: Sept 1948

Planetable contouring by (II): J. H. Clark

Date: " "

Completion Surveys by (II): *C. A. Navin*Date: *30 Oct. 1950 thru
21 Feb. 1951*

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

20, 22 Sept 1948

(Air Photo Compilation)

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

Date: 28 Oct 1948

Projection and Grids checked by (IV): " "

Date: 28 Oct 1948

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

Date: 22 Mar 1949

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

Date: 21 June 1949

~~Radial Plot~~ ~~20 Sept 1948~~

Date: Oct, 1949

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

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Inapplicable

Contours

Date:

Manuscript delineated by (III): J. C. Richter

Date: Dec. 1949

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

Date: Mar. 1950

Elevations on Manuscript

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

Date: " "

Camera (kind or source) (III): U.S.C.G.S. 9 Lens 8.25" Focal length

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
21947	3-13-48	11 56	1:20,000	0.1
21948	3-13-48	11 58	"	0.1
21967	3-13-48	12 27	"	0.1
21968	3-13-48	12 28	"	0.1
22038	3-13-48	15 10	"	0.6

Tide (III)

Reference Station: Galveston, Texas
Subordinate Station: Southwest Pass, -Vermilion Bay
Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
1.1	1.1	1.6

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

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 30 Sq. mi.

Shoreline (More than 200 meters to opposite shore) (III): 48.9 mi.

Shoreline (Less than 200 meters to opposite shore) (III): 26.2 mi.

Control Leveling - Miles (II): 5.5

Number of Triangulation Stations searched for (II): 6 Recovered: 3

Identified: 4

Number of BMs searched for (II): 0 Recovered: 0

Identified: 0

Number of Recoverable Photo Stations established (III): 5

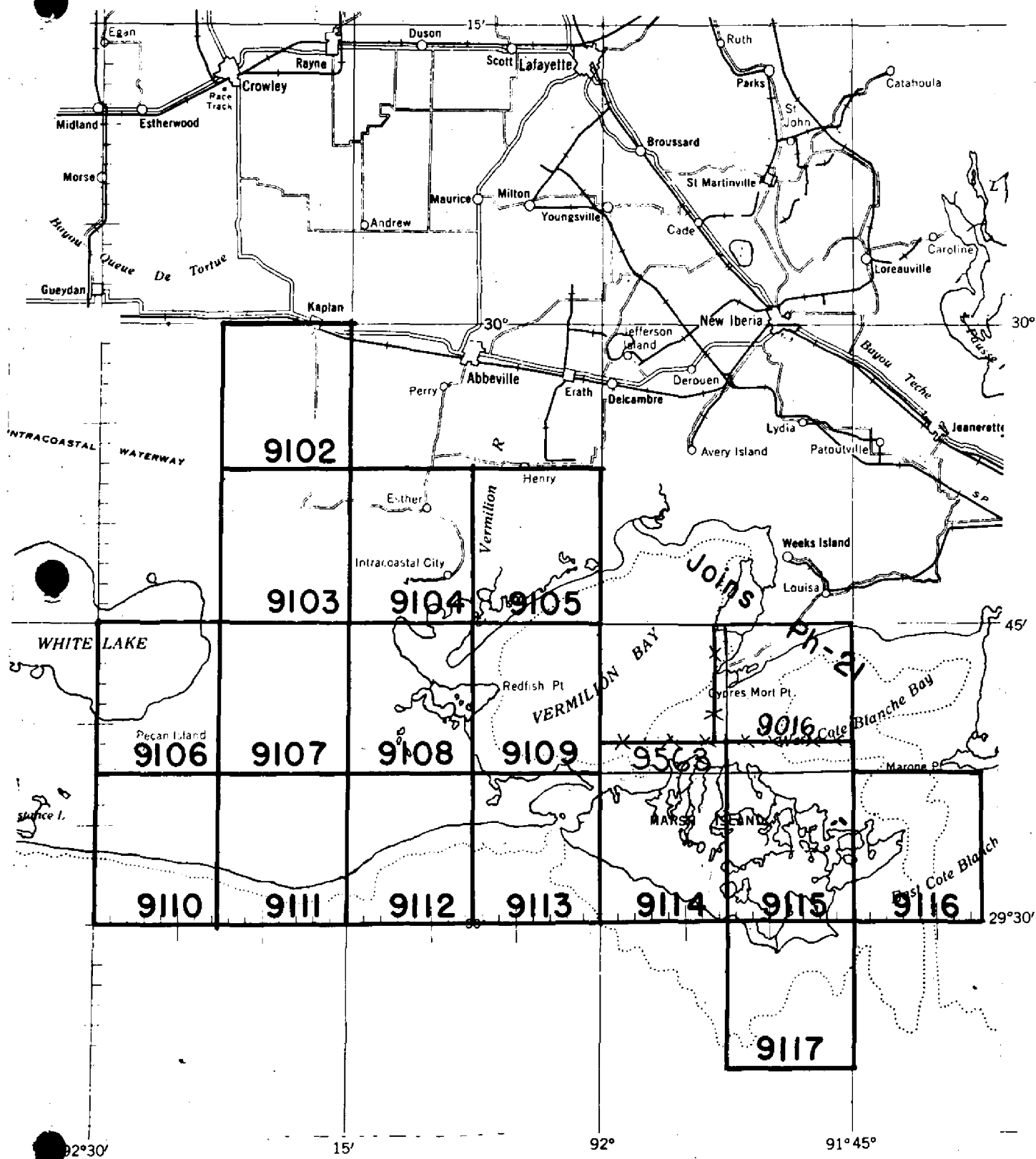
Number of Temporary Photo Hydro Stations established (III): Inapplicable

Remarks:

5

Intracoastal Waterway
TOPOGRAPHIC MAPPING PROJECT
PH-33(48)

LOUISIANA, East Cote Blanche Bay - White Lake



6

SUMMARY TO ACCOMPANY T-9114

T-9114 is one of 18 topographic quadrangles in Project Ph-33(48) on the Louisiana coast southwest of New Orleans in the vicinity of Vermilion Bay and West Cote Blanche Bay on the Gulf of Mexico. This map covers the west central portion of Marsh Island. The north limits of this map which originally extended to approximately $29^{\circ}38'30''$ was revised to $29^{\circ}37'30''$, thus making the sheet a standard $7\frac{1}{2}'$ quadrangle. The detail in the excluded minute will be added to the adjoining map on the north, T-9563. This latter survey, not originally included in the project, was added primarily to show oil well installations and a light which otherwise would not have been mapped and to reduce the sheets adjoining it on the east (T-9016) and the south (T-9114) to standard $7\frac{1}{2}'$ quadrangles. The land area of T-9114 is almost entirely marsh land. It contains no roads or cultural features of any importance other than an artesian well, several cabins and a conservation camp building. 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 shoreline area westward from Grosse Isle 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 7½' topographic quadrangle. The registered data to be permanently filed in the Bureau Archives under T-9114 will include a cloth-mounted lithographic print of T-9114 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 critical soundings, will appear on the published maps only.

The Field Inspection Report covers T-9114, T-9115,
T-9116, T-9117 and is bound with T-9116.

MAP T-9134

PROJECT NO. Ph-33 (1:8)

SCALE OF MAP 1:20,000

SCALE FACTOR 1.000

[illegible]

1 FT. = 3048006 METER

COMPUTED BY:...

DATE.

CHECKED BY:

DATE:

M-2388-12

COMPILATION REPORT T-9114

PHOTOGRAMMETRIC PLOT REPORT

Radial Plot Report has been submitted with Quadrangle T-9018, Ph21(47).

31. DELINEATION

The manuscript was delineated by graphic methods. The photographs were adequate for the delineation of this manuscript.

Numerous reefs awash at MLW fall to the south side of Marsh Island in the Gulf of Mexico but could not be delineated as they could not be seen on the photographs and no attempt was made by the field inspector to locate them.

It was noted that offshore details exist north of the limits of this sheet and for which no projection was drawn by the Washington Office. A radial plot was laid for this area in the conventional manner using vinylite templates over a 1:10,000 ft interval base grid at the scale of 1:20,000. The grid lines were drawn on a sheet of vinylite by pricking through from the base grid. The central meridian for the middle latitude was computed for the Lambert projection, and the projection was then constructed. "Refer to 'Summary to Accompany T-9114'"

No difficulty was encountered in the delineation of these offshore details, the field inspection of which was adequate.

This small sheet has arbitrarily been called Sheet 2 of T-9114. *It will be incorporated with T-9563, a standard 7 1/2' quadrangle.*

32. CONTROL

Sufficient secondary control was established and placement was such that no difficulty was encountered in securing additional control necessary in the delineation.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

No difficulty was encountered in transferring contours and drainage. The field inspection was adequate.

35. SHORELINE AND ALONGSHORE DETAILS

All shoreline is apparent except for a small ridge of high ground on the southwest corner.

35. SHORELINE AND ALONGSHORE DETAILS (Continued)

Shoreline inspection was adequate for delineation.

No low-water lines were shown. Reference Item 31 regarding reefs.

36. OFFSHORE DETAILS

Reference Item 31.

37. LANDMARKS AND AIDS

No unusual methods of compilation were employed.

Ldmk. Tower See NC 1277 is destroyed. Supp. to 675 p. 19

*(This tower site falls on new sheet T-9563
adjoining T-9114 on the north)*

38. CONTROL FOR FUTURE SURVEYS

Five (5) Forms 524 are being submitted herewith as part of this report.

Two topo sts. destroyed by wave action. See item 49

A list of stations have been prepared and included in Item 49.

39. JUNCTIONS

A satisfactory junction has been made to the east with T-9115 and to the west with T-9113. *T-9563 added to the project joins T-9114 on the north.*

Water area is to the ~~north and~~ south.

Reference Item 31.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement. *See item 66, Review Report*

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U. S. Geological Survey Quadrangle, BAYOU LUCIEN, Scale 1:31,680, dated 1932 and found to be in good agreement.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with U.S.C&G.S. Nautical chart No. 1277, scale 1:80,000, published Nov. 1938 (2nd edition) corrected to 11 April 1949. The quadrangle listed in Item 46 was evidently used as the source of planimetry for this chart and the same statement under that item applies.

ITEMS TO BE APPLIED TO NAUTICAL CHART IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

John C. Richter
John C. Richter
Cartographic Photo Aid

Approved and forwarded

Arthur L. Wardwell
Arthur L. Wardwell
Chief of Party

48. 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 Ph-14(46) was being done and is subject to change by the Geographic Name Section of the Washington Office.

BAYOU CHENE
BAYOU LUCIEN
BAYOU MICHAEL
BAYOU PLATTE
BIG CHARLES BAYOU
BIRD ISLAND BAYOU
BROWN ISLAND

CHEMIERE LA CROIX

DIAMOND REEF (*To be located by hydrographer, Item 49;*)

GROSSE ISLE POINT
GULF OF MEXICO

IBERIA PARISH

LAKE FERME
LAKE JEFFERSON
LAKE LUCY *Lucien Lake*
LITTLE CHARLES BAYOU
LONG LAKE
LOUISIANA
LOUISIANA GULF COAST

MARSH ISLAND

OYSTER LAKE

POLICE JURY WARD 9

FOUNDATION
RUSSELL SAGE STATE GAME REFUGE

VERMILION BAY
VERMILION PARISH

WEST COTE BLANCHE BAY

49. NOTES FOR THE HYDROGRAPHER

There follows a list of topographic stations which are pertinent:

WILL, 1948	} <i>destroyed - washed out by wave action.</i>
ARCH, 1948	
ZULA, 1948	} <i>524 cards on file in Div. Photogrammetry general files.</i>
PAGE, 1948	
ONCE, 1948	

Numerous reefs to the south of Marsh Island that are awash at MLW should be located by the hydrographer.

Diamond Reef, shown on chart 1277 at approximate latitude $29^{\circ} 31.1'$ longitude $91^{\circ} 59.2'$ could not be discerned on the photographs and should be defined by the hydrographer.

The pile, shown on sheet 2 of T-9114, with an approximate position (latitude $29^{\circ} 40.6'$, longitude $91^{\circ} 57.2'$) should be located by the hydrographer. (Very weak cuts and inability to see pile on sufficient photographs makes its position uncertain.)

50 PHOTOGRAMMETRIC OFFICE REVIEW

T. 9114

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 MMS 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) JG ~~7. Photostereoscopic stations~~ ~~8. Bench marks~~ ~~9. Plotting of control lines~~ 10. Photogrammetric plot report JG 11. Detail points JG

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

~~27. Roads~~ ~~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 JG40. 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:

51. METHODS

Visual inspection of the detail is considered satisfactory. Special methods of verification are discussed elsewhere in this report.

Corrections, additions, and deletions are 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 two (2) field edit sheets, two (2) discrepancy prints, and five (5) field photographs, Nos. 21947, 21948, 21967, 21968, and 21969.

52. ADEQUACY OF COMPILATION

Fair.

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. HORIZONTAL CONTROL

Stations "STEEL OIL DERRICK", "MARSH IS. CONSERV. TWR. N", and "LT B-9" have been removed, therefore these stations are destroyed.

Stations "WILL 1948" and "ARCH 1948" have been destroyed.

Points "LT B-10" and "Catwalk intersection" were checked by 3-point theodolite fix as a check on the radial plot.

57. MEAN HIGH WATER LINE

From reference measurements it is apparent that the north bank of Marsh Island is eroding approximately 5 feet per year.

The Gulf Coast shoreline along the marsh areas is eroding at a rate of 10 feet per year, however the shell ridge portions appear to remain fairly stable.

No attempt was made to show these changes on the manuscript copy.

58. OFFSHORE DETAILS

The positions of a series of piling along the south shore of Vermilion Bay were corrected by planetable intersection methods.

The positions of Texas Company installations in Vermilion Bay were verified by 3-point fixes using theodolite angles.

There are three or more submerged reefs adjacent to these oil company installations in Vermilion Bay which need investigation by the hydrographic party.

The numerous reefs in the foreshore and offshore areas of the Gulf Coast were not located as this should be done by the hydrographic party. These reefs bare at low water, near the shore, but for the most part remain submerged at all stages of the tide.

"DIAMOND REEF", a prominent feature offshore from Chenier la Croix, is a flat reef submerged at low tide with the exception of a few ridges which bare 3 to 5 inches.

The numerous reefs lie in parallel lines in a general NNW/SSE direction and in many instances extend as far as three miles offshore.

59. CONTOURS AND DRAINAGE

Two additional portions of 5 foot contour were added near Chenier la Croix to give better expression, although the maximum elevation does not exceed 4.5 ft.

Some interior marsh features were added from office inspection, however all drains of 15 ft. or more in width were inspected by boat.

The field edit corrections were added to the field edit sheet prior to receipt of instructions regarding the unimportance of minor drainage to these maps. The corrections have not been changed because much of the detail is necessary for landmark purposes to the persons using this area. It is understood that any minor changes may be omitted from the compilation after review.

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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

"PHOTOGRAMMETRIC REVIEW SECTION"

NON-FLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

XXXXXXXXXX

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 W. W. Dewsey

Tampa, Florida

17 April, 1951

Arthur L. Wardwell

Chief of Party

LOUISIANA

CHARTING NO.	DESCRIPTION	SIGNAL NAME	POSITION			METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE	LONGITUDE	DATUM						
29 41	Vermillion Bay, pile structure (Recommend that this light, maintained by the Texas Company and formerly marked "unnumbered", be marked B 10. It is located on pile structure 12 ft. above MHH, atop oil well No. B 10)		29 41	91 54	1927	Residual Pilot	Nov. 1950				1051 1277
29 37	DAYBEACON Pile (unnumbered)		29 37	91 58	1287	"	"				"
29 36	DAYBEACON Pile (unnumbered)		29 36	91 58	1479	"	"				"
29 36	DAYBEACON Pile (unnumbered)		29 36	91 58	89	"	"				"
29 36	DAYBEACON Pile (unnumbered)		29 36	91 57	1275	"	"				"
(Note: Positions of above piling corrected during field edit 1950)											
All privately maintained											
* Falls on new grade T-9563 which joins T-9114 to the north. L.H.W. 7/28/51											

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 individual field survey sheets. Information under each column heading should be given.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SECTION

NONFLOATING AIDS OR LAND MARKS FOR CHARTS

**NOT TO BE FORWARDED
TO BE DELETED**

STRIKE OUT: ONE

Tampa, Florida

17 APR 1951

1051

I recommend that the following objects which have ~~(been inspected from seaward to determine their value as landmarks be~~ ~~inspected on (deleted from) the charts indicated.~~ ~~(have not)~~

The positions given have been checked after listing by

H. W. Dawsey

Tampa Photogrammetric Office

~~Arthur L. Wardwell~~

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 individual field survey sheets. Information under each column heading should be given.

PHOTOGRAMMETRIC REVIEW SECTION

**TO BE CHARTED
TO BE CHARTED**

STRIKE OUT ONE

Abbeville, Louisiana 24 Sept. 1949

I recommend that the following objects which have ~~(assessed)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(present chart)~~ the charts indicated.

The positions given have been checked after listing by John G. Richter
Tampa Photogrammetric Office

Charles W. Clark. *Chief of Party.*

STATE - LOUISIANA		POSITION						METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE		LONGITUDE		DATUM						
			D. M. METERS	D. M. METERS	D. P. METERS								
DAYBEACON	File (unnumbered)		29 37	120	91 59	201	N.A.	1927	Plot T-9114	1948	X		1277 1051
DAYBEACON	"		29 37	185	91 58	1284	"	"	"	"	X		"
DAYBEACON	"		29 36	1648	91 58	662	"	"	"	"	X		"
DAYBEACON	"		29 36	1457	91 58	28	"	"	"	"	X		"
DAYBEACON	"		29 36	1247	91 57	1178	"	"	"	"	X		"

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 individual field survey sheets. Information under each column heading should be given.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAPHIC REVIEW SECTION

TO BE CHARTED

STRIKE OUT ONE

NONFLOATING AIDS OR CANNOT MARKS FOR CHARTS

Abbeville, Louisiana

24 Sept 1948

I recommend that the following objects which have ~~(not been)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(2200-2300-2400)~~ the charts indicated.

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

Charles W. Clark, 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 individual field survey sheets. Information under each column heading should be given.

REVIEW REPORT T-9114
TOPOGRAPHIC MAP

4 June 1951

62. Comparison with Registered Topographic Surveys:

T- 793	1:20,000	1860
T-1680	"	1886
T-1684	"	1886
T-4924	"	1934
T-6347a	"	1935

This map supersedes these surveys for nautical charting purposes with the exception of Diamond Reef and several other unnamed reefs which are shown on T-4924 but not on this survey.

63. Comparison with Maps of Other Agencies:

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

Section lines are shown on the quadrangle but not on T-9114. See item 67 for section lines.

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

1277,	1:80,000,	ed. 1938,	corr. 3/19/51
1051,	1:175,000	ed. 1941,	corr. 3/7/49
1116,	1:458,596	ed. 1943,	corr. 5/29/50

Diamond Reef, southwest of Gross Isle Point, shown on the charts does not appear on T-9114. It is not visible on the photographs and field inspection indicated only the approximate area where the reef is located.

Chart 1277 shows five markers in the general area of latitude 29° 37' longitude 91° 58'. T-9114 shows four, each one being a single pile. The northwesterly pile or marker of the original five is no longer in existence. This piling is privately maintained and is not listed in the light list.

66. Adequacy of Results and Future Surveys:

This map is adequate and complete as a base for hydrographic surveys and nautical chart construction. It complies

with National Map Accuracy Standards.

67. 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 Section 16, T-17S R5E which is not shown because, as explained above, land lines could not be located on this map.


68. Geographic Names:


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

Reviewed by:

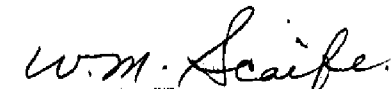

K. N. Maki

Approved by:


Chief, Review Section
Div. of Photogrammetry


Chief, Nautical Chart Branch
Division of Charts


Chief, Div. Photogrammetry


Chief, Div. of Coastal Surveys
U.S.



HISTORY OF HYDROGRAPHIC INFORMATION

T-9114

Marsh Island, Louisiana Gulf Coast, La.

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

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

C&GS Hydrographic Survey	H-1777	(1887-88)	1:20,000
"	"	"	H-5765 (1934-35) 1:40,000
"	"	"	H-5766 (1934-35) 1:40,000

The shell reef limits were added from C&GS Nautical Chart 1277 (1949).

The depth curves are shown at 6, 12, 18, and 30 feet.

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

K. N. Maki
K. N. Maki
25 June 1951

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9114

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.