9110

ORIGINAL

Diag. Cht. No. 1116-2, 1277 & 1278.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. ..... Office No. T-9110

LOCALITY

State LOUISIANA

General locality LOUISIANA COAST

Locality VERMILION PARISH
SOUTH OF PECAN ISLAND

19 51

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

LIBRARY & ARCHIVES

DATE Feb - 12 - 1952

B-1870-1 (1)

9110

DATA RECORD

T-9110

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

Field Office (II): Abbeville, Louisiana Chief of Party: Charles W. Clark

Photogrammetric Office (III): Tampa, Florida 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): 8-28-50 Date reported to Nautical Chart Branch (IV): 8-30-50

Applied to Chart No. Date: Date registered (IV): 1-2-52

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): 1 HEBERT, 1933

Lat.: 29° 32' 11".068 (340.8M) Long.: 92° 18' 10".621 (286.0M) Adjusted

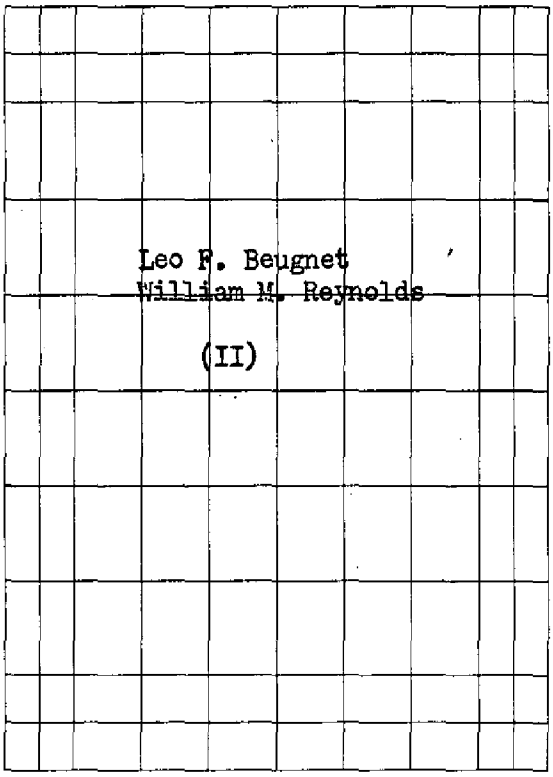
Plane Coordinates (IV): State: Louisiana Zone: South

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.

M-2618-12(4)



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

DATA RECORD

Field Inspection by (II): William M. Reynolds, Harold A. Duffy, Leo F. Beugnet — Date: August 1948, " , October 1948

Planetable contouring by (II): William M. Reynolds, Leo F. Beugnet — Date: October 1948

Completion Surveys by (II): C.A.Navin — Date: 18 Nov. 1950 thru 19 Feb. 1951

Mean High Water Location (III) (State date and method of location): August 1948
Air Photo Compilation

Projection and Grids ruled by (IV): W. E. W. (Washington Office) — Date: 27 October 1948

Projection and Grids checked by (IV): W. E. W. (Washington Office) — Date: 27 October 1948

Control plotted by (III): None — Date:

Control checked by (III): R. J. Pate — Date: 20 June 1949

Radial Plot ~~[illegible]~~ by (III): M. M. Slavney — Date: 28 February 1950

Stereoscopic Instrument compilation (III): Planimetry Inapplicable — Date:
Contours — Date:

Manuscript delineated by (III): R. Dossett — Date: 17 July 1950

Photogrammetric Office Review by (III): J. A. Giles — Date: 17 August 1950

Elevations on Manuscript checked by (II) (III): ~~None~~ K. N. Maki — Date: Oct. 1951

M-2618-12(4)

Camera (kind or source) (III): U.S. Coast & Geodetic Survey 9 lens, 8¼ in. focal length

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
21373	2 December 1947	12:18	1:20,000	- 0.~~8~~9
21374	2 December 1947	12:19	"	- 0.~~8~~9
21955	13 March 1948	12:07	"	0.1
21956	13 March 1948	12:08	"	0.1

Tide (III)

Diurnal

Ratio of Ranges	Mean Range	~~Spring~~ Range
-	1.0	1.4
1.1	1.1	1.6

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

Washington Office Review by (IV): K.N. Maki Date: 10-4-51

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 36
Shoreline (More than 200 meters to opposite shore) (III): 10
Shoreline (Less than 200 meters to opposite shore) (III): 7.8
Control Leveling - Miles (II): None
Number of Triangulation Stations searched for (II): 2 Recovered: 0 Identified: 0
Number of BMs searched for (II): None Recovered: Identified:
Number of Recoverable Photo Stations established (III): *5
Number of Temporary Photo Hydro Stations established (III): None

Remarks: *One just outside project limits.

M-2618-12(4)

Summary to Accompany T-9110

T-9110 is one of 18 topographic quadrangles in Project Ph-33(48) Louisiana. It covers an area of the coastline on the Gulf of Mexico south of White Lake. The north or land half of this map is entirely marsh, and the south or water half is the Gulf of Mexico. This map is a graphic compilation. The field operations preceding compilation included complete field inspection. No primary horizontal or vertical control exists in the map area. The graphic compilation was at a scale of 1:20,000 showing all natural and cultural features. The contour interval is 5 feet. The manuscript 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 Geological Survey at a scale of 1:24,000 as a standard topographic quadrangle. The registered data to be permanently filed in the Bureau Archives under T-9110 will include a cloth-mounted lighographic print of T-9110 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 QUADRANGLES T-9110, T-9111 AND IS BOUND WITH T-9111.

PHOTOGRAMMETRIC PLOT REPORT

This report is bound with T-9113.

31. DELINEATION

This map manuscript was delineated by the graphic method.

The photographs were of reasonably good scale. Photographs 21373 and 21374 were flown three months prior to photographs 21955 and 21956. Changes occurring during this period were noted on the field print by the field inspector.

Field inspection was adequate.

32. CONTROL

No primary control exists within the limits of this map manuscript. There was a sufficient number of secondary control points for the establishment of detail points.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Drainage has been delineated as shown on the photographs. No contours exist. See field print 21955 for note regarding canal spoil banks above 5 ft..

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate. There are no alongshore details.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

Five topographic stations are applicable and are listed on form 524 which are being submitted herewith. A list of these topographic stations has been prepared and included in Item 49. ✓

39. JUNCTIONS

T-9106 to the north: in agreement.
T-9111 to the east: in agreement.
U. S. Geological Survey quadrangle, Constance Bayou (S.E),to the west: in fair agreement.
Gulf of Mexico to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. BOUNDARIES

No section corners were recovered (reference Item 17) nor are there any natural features to follow. The only section lines shown are a small portion in the northeast corner, which were extended down from T-9106 with the rest of the area being unsurveyed by the General Land Office. Distances were scaled from plats along the Gulf shore during review. See Review Report.

42. GEOGRAPHIC NAMES

It is recommended that the geographic name, "Mulberry Island" mentioned in the description for topographic station, "IDLE, 1948" be investigated by the field editor and proper placement shown. This name is not shown on the geographic name sheet as belonging to this quadrangle. Name indicated by field edit as being in area of adj. quad T-9111.

46. COMPARISON WITH EXISTING MAPS

None available.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with U.S.C.& G.S. Nautical Chart No. 1277, scale 1:80,000, edition of November 1938, corrected to 3 June 1949. No differences were noted along the shoreline. The inshore canals delineated do not show on the chart.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Rudolph Dossett
Cartographic Photo. Aid

Approved and Forwarded

William A. Pasure
for Arthur L. Wardwell
Chief of Party

49. NOTES FOR THE HYDROGRAPHER

The following topographic stations may be of use to the hydrographer:

✓PIPE, 1948
✓IDLE, 1948
✓CALM, 1948
✓ CAGE, 1948
✓ FACT, 1948 (just west of project limits)

Filed in Div Photogrammetry General Files

11-13

Form T-2

50 PHOTOGRAMMETRIC OFFICE REVIEW

T-

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. Photo-hydro stations 8. Bench marks~~ ~~9. Plotting of existing stations~~ 10. Photogrammetric plot report JG 11. Detail points JG

ALONGSHORE AREAS

(Nautical Chart Data)

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

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 JG ~~29. Railroads~~ 30. Other cultural features JG

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~~ 37. Descriptive Report JG 38. Field inspection photographs JG 39. Forms JG

40. Jesse A. Giles, Reviewer — William A. Rasure, 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; new features since date of photography added by planetable methods.

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 sheet, and three (3) field photographs Nos. 21373, 21955, and 21956.

52. ADEQUACY OF COMPILATION

Good.

53. MAP ACCURACY

Satisfactory.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF THE PROOF COPY

Mr. J. M. Hebert, Box 27, Abbeville, Louisiana has agreed to examine the proof copy.

Two (2) geographic names are recommended for charting after verification by Mr. Hebert and local trappers:

Add name "HUMBLE CANAL" at 29 36.5/92 23.6
" " "DEWITT CANAL" at 29 34.0/92 26.2

56. MEAN HIGH WATER LINE

The MHWL along the sand and shell ridge portions of the Gulf Coast has remained fairly constant as to position. However, the apparent shoreline has eroded approximately 30 feet since 1948 by wave action, all foreshore detail has been removed and the general apparent shoreline has been eroded.

No attempt was made to correct this shoreline inasmuch as the general characteristics are the same and the lack of suitable detail points make reference measurements impractical.

The MHWL along the sand and shell ridge portions of the Gulf Coast is fairly stable. In general, the edge of marsh has receded from erosion approximately 30 feet since 1948. All foreshore detail in existence at the time of photography has disappeared.

Submitted
21 February 1951

Cecil A. Navin
Cartographic Survey Aid

Approved
9 March, 1951

Percy L. Bernstein
Chief of Party

48. GEOGRAPHIC NAME LIST

GULF OF MEXICO

LOUISIANA

POLICE JURY WARD 7

VERMILION PARISH

HUMBLE CANAL

DEWITT CANAL

Names approved
9-26-51
a. J. W.

HISTORY OF HYDROGRAPHIC INFORMATION

T-9110 - Louisiana

Hydrography was applied to the manuscript of this quadrangle in accordance with Division of Photogrammetry request of 19 October 1951, and with general specifications of 18 May 1949.

The depths are in feet at mean low water and originate with the following survey and chart:

USC&GS Hydrographic Survey

H-5764 (1934) 1:40,000

USC&GS Nautical Chart

1277 (1951) 1:80,000

Bottom contours are shown at 6, 12, and 18 feet.

The hydrography was compiled by R. E. Elkins and checked by G. F. Jordan.

R. E. Elkins

R. E. Elkins - 31 Oct. 1951
Nautical Chart Branch

REVIEW REPORT T-9110
Topographic Map
4 October 1951

62. Comparison with Registered Topographic Surveys

T-1688 1:30,000 1886

The present survey in relation to the survey of 1886 shows an approximate agreement of shoreline position at the east limit of the map. From this point westward there is a gradual recession of the shoreline on the later survey reaching an amount of approximately 500 meters at the west limit of the map.

This map supersedes T-1688 for nautical charting purposes.

63. Comparison with Maps of Other Agencies

Pecan Island, La. S.W. (advance sheet) 1:31,680
U.S.G.S., 1932

Canals have been developed in the northeast area of T-9110. There are no canals shown on the quadrangle. Pirogue trails as shown on T-9110 are much more numerous than on the quadrangle.

Section lines have been partially developed on T-9110 but none are shown on the quadrangle. Refer to item 67.

64. Comparison with Contemporary Hydrographic Survey

None.

65. Comparison with Nautical Charts

1051	1:175,000	ed. 1941	corr. 6/4/51
1116	1:458,596	ed. 1943	corr. 8/13/51
1277	1:80,000	ed. 1938	corr. 3/19/51
1278	1:80,000	ed. 1937	corr. 2/19/51

The canals shown on T-9110 are not shown on the charts.

None of the numerous Pirogue Trails shown on T-9110 are shown on the charts.

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

The General Land Office (Bureau of Land Management) plats were used to derive the section lines as shown in the northeast area of this map. They are tied to section lines which originate from the recovered monumented Elm's Corner on the adjoining survey T-9106. See item 67, Review Report T-9106 concerning Elm's Corner.

Although the section lines shown along the Gulf coast on this survey were plotted from G.L.O. plat measurements, it is recommended that they ~~will not~~ be omitted from the published maps. ~~drafted~~. There are no recovered corners and the shoreline has changed to such an extent that original plat distances to it are of no value. Also, the rectangular system was extended westward to this survey from T-9112 where only one accepted corner has been recovered. The sections recommended not to be drafted are defined on the drafting overlay in violet crayon. They have been retained on the manuscript for possible reference purposes.

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
K. N. Maki

Approved by:

S. V. Griffith 1/4/52
Chief, Review Section
Division of Photogrammetry

H. A. Edmonston
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. of Photogrammetry

Earl O. Hanson
Chief, Div. Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9110

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
4-22-54	1277	Earl M Borgonje	~~Before~~ After Verification and Review Partly appd. No Cnt Corr.
8/19/54	1278	C. R. Tillman	~~Before~~ After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2166-1

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.