

9111

ORIGINAL

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHICField No. Ph-33(48) Office No. T-9111

LOCALITY

State LOUISIANAGeneral locality LOUISIANA GULF COASTLocality SOUTH OF PECAN ISLAND194 51

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE Nov - 17 - 1952

B-1870-1 (1)

9111

DATA RECORD

T - 9111

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

Applied to Chart No.

Date:

Date registered (IV): 2-25-52

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): HEBERT, 1933

Lat.: 29° 32' 11".068(340.8m)✓

Long.: 92° 18' 10.621(286.0m)✓

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.

Form T- Page 2

DATA RECORD

Field Inspection by (II): WM M. REYNOLDS

Date: July-Oct. 1948

Planetable contouring by (II): WM. M. REYNOLDS
LEO F. BEUGNET

Date: OCT 1948

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

Date: 18 Nov. 1950
thru 20 Feb. 1951Mean High Water Location (III) (State date and method of location):
Aug. 1948 Aerial photographs

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

Date: 27 Oct. 1948

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

Date: 27 Oct. 1948

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

Date: 22 Mar. 1949

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

Date: 20 June 1949

Radial Plot ~~on Stereoscopic~~

Date: 28 Feb. 1950

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

Stereoscopic Instrument compilation (III): ~~Inapplicable~~
Planimetry
Contours

Date:

Date:

Manuscript delineated by (III): R. A. Reece

Date: April 1950

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

Date: May 1950

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

Date: May 1950

4
Camera (kind or source) (III): U.S.C&G.S. 9 lens 8 1/4" Focal length

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide 9112)
21371	12/2/47	12 16	1:20,000	-0.8 (See report.
21372	12/2/47	12 17	"	-0.8 "
21953	3/13/48	12 05	"	0.1
21954	3/13/48	12 06	"	0.1

Tide (III)

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

Diurnal

Ratio of Ranges	Mean Range	SPRINGS Range
1.1	1.1	1.6

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

Date: 15 Nov. 1951

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 46

Shoreline (More than 200 meters to opposite shore) (III): 10 Statute mi.

Shoreline (Less than 200 meters to opposite shore) (III): 32 Statute mi.

Control Leveling - Miles (II): *

Number of Triangulation Stations searched for (II): 1 Recovered: 1 Identified: 1

Number of BMs searched for (II): * Recovered: Identified: 11

Number of Recoverable Photo Stations established (III): 5

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

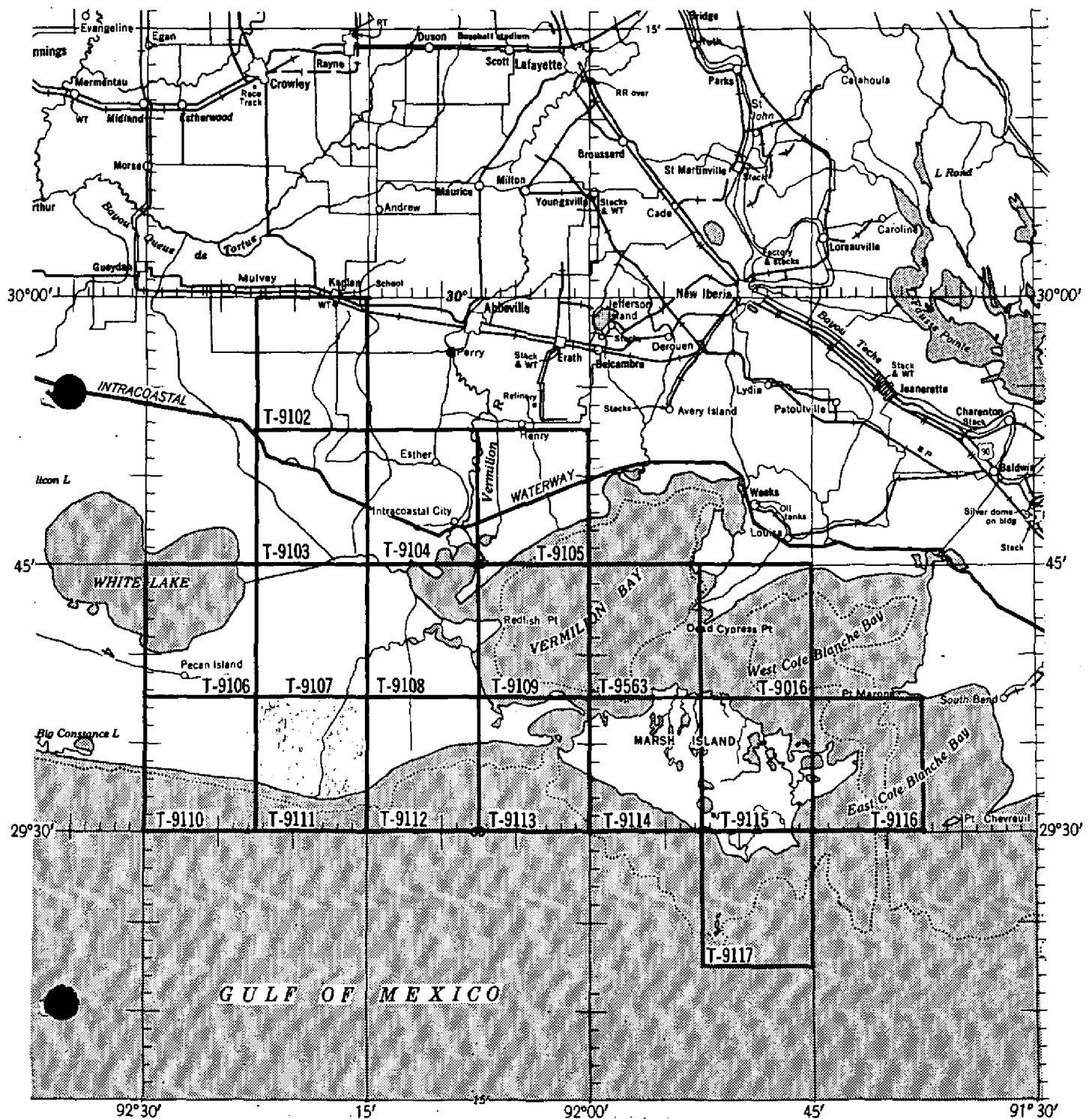
Remarks:

* 12.7 miles of 3rd order levels were run and 11 BMs were established.

(Lines 71 and 72)

TOPOGRAPHIC MAPPING PROJECT PH 33 (48)

LOUISIANA - INTRACOASTAL WATERWAY East Cote Blanche Bay — White Lake



6

Summary to Accompany T-9111

T-9111 is one of 18 topographic quadrangles in Project Ph-33(48) Louisiana. It covers an area of the coastline on the Gulf of Mexico southeast of White Lake and about seventeen miles west of Southwest Pass. The northerly or land portion of this map is almost entirely marsh and the southern or water portion is the Gulf of Mexico. The field operations preceding compilation included complete field inspection, the recovery of horizontal control and the establishment of vertical control. The contour interval is five feet. 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 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-9111 will include a cloth-mounted lithographic print of the ~~published~~ map 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 map only.

FIELD INSPECTION REPORT

Quadrangles

T-9110

T-9111

(29-30.0/92-22.5/7.5)

(29-30.0/92-15.0/7.5)

Project Ph-33(48)

Charles W. Clark, Chief of Party

All phases of field work were done in accordance with the Director's Instructions, Project Ph-33(48), dated 2 July 1948; and other applicable Instructions as noted herein. *See p. 1*

The various phases of field work were done by the following personnel during the indicated periods of time:

Name	Phase	Date
William M. Reynolds Engineering Aid	Horizontal Control	August 1948
	Recovery and Identification	
	Shoreline Inspection	
	Contouring	October 1948
Harold A. Duffy Photogrammetrist	Shoreline Inspection	August 1948
Leo F. Beugnet Engineering Aid	Contouring	
	Interior Inspection	October 1948
Matthew A. Stewart Engineering Aid	Third-order levels	August 1948

1. DESCRIPTION OF THE AREA:

These quadrangles lie along the southern Louisiana coast between Pecan Island and the Gulf of Mexico. The land area of these quadrangles is marsh with the exception of several low, narrow ridges in the southern sections. These ridges are old beaches.

Mulberry Island is the predominant land area. It rises out of the marsh to a height of 10 feet. It is heavily wooded which is unusual for the area. 9

Three other ridges are found in the area, all of them smaller than Mulberry Island. They are: Sand, Bill and Beef Ridges. They are of the same nature as Mulberry Island but lower in elevation.

Numerous Canals and Bayous make the area accessible by boat - the only means of transportation.

Muskrat trapping and the development of oil fields are the only industries of note in the area.

A sizable natural gas field has been developed by the Humble Oil Co. In conjunction with this field the company operates a dehydration or recycling plant located in quadrangle T-9110. After

T-9111.

7. MEAN HIGH WATER LINE:

The mean high water line along the shoreline of the Gulf of Mexico is largely indefinite marsh line and was so indicated on the photographs.

Shoreline inspection was done in accordance with Field Memorandum No. 1 (1938) - Mean High Water Line in Marsh and Swamp Areas, dated 20 June 1938 and Supplemental Instructions - Shoreline Inspection, dated 18 March 1944.

Symbolization was done on the field photographs in accordance with paragraph 20 of the latter.

8. LOW WATER LINE:

No attempt to delineate the low water line in its entirety was made. However, when the shoreline inspection party visited an area at or near the time of low water the approximate low water line was indicated on the photographs.

9. WHARVES AND SHORELINE STRUCTURES:

Adequately covered by the photographs.

10. DETAIL OFFSHORE FROM THE MEAN HIGH WATER LINE:

Adequately covered by the photographs.

11. LANDMARKS AND AIDS TO NAVIGATION:

Three new landmarks were selected and recommended for charting and reported on Form 567. These were identified on the field photographs at the time of shoreline inspection.

There are no fixed aids to navigation within the limits of these quadrangles.

12. HYDROGRAPHIC CONTROL:

In addition to the existing horizontal control, ten recoverable topographic stations, five in each quadrangle, were established. *See item 49 for T-9111.*

13. LANDING FIELDS AND AERONAUTICAL AIDS:

There are no landing fields or aeronautical aids within the limits of these quadrangles.

14. ROAD CLASSIFICATION:

There are no roads within the limits of these quadrangles.

15. BRIDGES:

There are no bridges within the limits of these quadrangles.

16. BUILDINGS AND STRUCTURES:

All buildings were classified and field inspected in accordance with Photogrammetry Instructions No. 29, dated 1 October 1948. *Filed in Div. Photogrammetry Office Files.*

17. BOUNDARY MONUMENTS AND LINES:

These quadrangles lie entirely within Ward 7 of Vermilion Parish. Boundary monuments and lines will be the subject of a Special Report. Boundaries - Project Ph-33(48) to be submitted at a later date. No section corners have been recovered in these quadrangles. *Special Report - Boundaries - Proj. Ph-33(48) will be filed in, or referenced in, the Project Completion Report for PH-33(48)*

18. GEOGRAPHIC NAMES:

Geographic names of this area was the subject of a "Special Report, Geographic Names, Gulf Intracoastal Waterway - Vermilion Bay, La. to Port Arthur, Texas, Project Ph-14(46)". During the course of field work no discrepancies were found in the names in the above report. No systematic investigation was made. *Filed in Geographic Names Section, Div. of Charts. See attached list*

The following additions to the foregoing report are recommended.

The following names not covered in the above report are recommended (see chart 1277 and U.S. Geological Survey Quadrangle Map - Pecan Island S E).

Beef Ridge
Sand Ridge
Bill Ridge

These names are in common local usage by inhabitants of the area.

The above report recommends the Name Freshwater Bayou for the feature near the center of quadrangle T-9111. This is not an incorrect name for the bayou but a nearly straight canal has now been dredged which is a more prominent feature than the bayou. The name "Freshwater Canal" is recommended. (See Chart 1277 and Quadrangle Map - Pecan Island SE)

The name "Humble Canal" is recommended for the larger canal extending westward from the Louisiana Fur Co. Canal thence northwest and north to Pecan Island (see photo 21373). This canal was dredged by the Humble Oil Co. and the name "Humble Canal" is in common usage in the area.

19. COAST PILOT:

Coast Pilot information was covered in "Special Report - Coast Pilot Information - Project Ph-33(48)". *Filed in Coast Pilot Section, Div. of Charts.*

20. MISCELLANEOUS:

A proposed channel, now in the preliminary stages of investigation by the U. S. Engineer Department, may be dredged through quadrangle T-9111. The project depth is expected to be about 12

feet and extend from the gulf to the Intracoastal Waterway in the vicinity of Intracoastal City. The preferred route of the canal at this time appears to be along existing canals and bayous as follows: Freshwater Canal, Belle Isle Canal and Bayou, Sixmile Canal and Schooner Bayou. *See item #59, Field Edit report.*

Submitted:
10 November 1948

William M. Reynolds
William M. Reynolds
Engineering Aid

Wm

Approved:
30 November 1948

Charles W. Clark
Charles W. Clark
Lt. Comdr. U.S.C. & G.S.
Chief of Party.

COMPILATION REPORT
T-9111

PHOTOGRAMMETRIC PLOT REPORT

This is the subject of a special report being submitted to the Washington Office with T-9113. *Bound with Desc. Report T-9113.*

31. DELINEATION

The manuscript was delineated by graphic methods.

Photographs were of fair scale. Photographs 21371 and 21372 were among a series of photographs taken three months prior to photographs 21953 and 21954. A few minor changes had taken place during the interval between flights. Photograph 21954 was used in the delineating of most of the manuscript because of its being of the last series flown and its scale was better than average.

Field inspection was adequate for the delineation of the manuscript.

In the extreme southern portion of the manuscript, there are a number of detail points located from two cut intersections. It was necessary to do this because detail could not be positively identified on more than two photographs. Detail points with only two cut intersections have been so indicated with tick marks on the circles.

32. CONTROL

Sufficient secondary control was established and so spaced that no difficulty was encountered in cutting in additional detail points.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

No difficulty was encountered in the delineation of drainage or in transferring contours.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection notes were adequate for the delineation of the shoreline.

There are no alongshore details.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

No unusual methods of compilation were employed in locating the three landmarks. *Form 567 attached.*

There are no aids to navigation.

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 have been prepared and included in Item 49. *Two stations reported lost by field editor. see p. 15*

39. JUNCTIONS

T-9107 to the north: in agreement
T-9110 to the west: not compiled
T-9112 to the east: in agreement
Gulf of Mexico is 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. Section lines were therefore omitted.
Distances scaled from plats during review.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S. Geological Survey, PECAN ISLAND, LA. (S.E.) quadrangle, scale 1:31,680 (Field examination 1932) and found

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46. COMPARISON WITH EXISTING MAPS (Continued)

to be in agreement except for a number of canals that have been and are in the process of being dug, in conjunction with the development of oil fields in the area. Changes have occurred in the shoreline due to erosion.

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 Nov. 1938, bearing a print date of 11 April 1949. The map mentioned under Item 46 has apparently been used as the source of planimetry for the chart. The same differences were noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Richard A. Reece

Richard A. Reece
Cartographic Survey Aid

See

Approved and Forwarded

Arthur L. Wardwell

Arthur L. Wardwell
Chief of Party

49. NOTES FOR THE HYDROGRAPHER

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

TALL, 1948

TOWER, 1948 (landmark)

HACK, 1948

S. RADIO TOWER, 1948 (landmark)

N. RADIO TOWER, 1948 (")

Reported lost by Field Edit.

50 PHOTOGRAMMETRIC OFFICE REVIEW

T. 9111

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 LMS 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) JG ~~7. Photo hydro stations~~ 8. Bench marks JG
~~9. Plotting of extent 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 ~~17. Landmarks~~ JG 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. Shoreline~~
~~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 JG 37. Descriptive Report JG 38. Field inspection photographs JG 39. Forms JG
40. Jesse A. Giles 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:

FIELD EDIT REPORT

- 18 -

T-9111

51. METHODS

All features were checked by visual inspection. New construction since date of photography was added by planetable traverse. Representative measurements were taken on canals to determine proper delineation widths.

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 contained on one (1) field edit sheet, one (1) discrepancy print, and three (3) field photographs Nos. 21371, 21372, and 21954.

52. ADEQUACY OF COMPILATION

Satisfactory.

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.

No recommended changes in geographic names are made.

56. MEAN HIGH WATER LINE

The apparent shoreline along the Gulf Coast has eroded approximately 35 feet since 1948, although the area shown as HWL along the shell banks has remained constant.

The shoreline has been washed clean and there is no longer any portion which could be shown as grass in water.

57. TOPOGRAPHIC STATIONS

Stations HACK 1948 and TALL 1948 should be considered lost. Erosion has destroyed these stations. The position of station TALL 1948 was easily identified but station mark was missing. The position of station HACK 1948 as described in 1948 could not be recognized on the ground, and a planetable traverse from station IDLE 1948 verified the fact that the station was destroyed.

58. LANDMARKS

In agreement with current instructions the landmark titles have been corrected on the field edit sheet to show all heights above ground and above high water.

59. MISCELLANEOUS

The underground pipeline along the Humble Canal, etc., should be retained on the manuscript, although it is no longer visible as a topographic feature.

The proposed deep water channel from the Intracoastal Waterway to the Gulf of Mexico has not progressed beyond the planning stage.

Submitted
21 February 1951

Cecil A. Navin
Cecil A. Navin
Cartographic Survey Aid

Approved
9 MARCH 1951

Percy L. Bernstein
Percy L. Bernstein
Chief of Party

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SECTION

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

NON-FLUORESCENT AIDS OR LANDMARKS FOR CHARTS

Abbeville, Louisiana 10 Nov. 1948

I recommend that the following objects which have ~~(been)~~ 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

Richard A. Reeco

Tampa Photo. Office

Charles W. Clark	Chief of Party.
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[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 in this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information column heading should be given.

48. GEOGRAPHIC NAME LIST

Geographic names were taken from a special report on Geographic Names - Intracoastal Waterway, Vermilion Bay to Pt. Arthur, Texas prepared for Project Ph-14(46) and from the Field Inspection Report.

BEEF RIDGEBELLE ISLAND CANALBILL RIDGEFRESHWATER BAYOUFRESHWATER CANALFRONT RIDGEGULF OF MEXICOHUMBLE CANALHumble Oil Co. Recycling PlantLOUISIANALOUISIANA FUR CO. CANALLOUISIANA GULF COASTMULBERRY ISLANDPECAN ISLANDPOLICE JURY WARD 7SAND RIDGEVERMILION PARISH

OK for general locality, but in no sense a name for a specific feature or area

Names underlined in red are approved.
10-23-57
L. Heck

REVIEW REPORT T-9111
Topographic Map
15 November 1951

62. Comparison with Registered Topographic Surveys

T-1688 1:30,000 1886

This map ^{is} superseded ^{by} T-9111 for nautical charting purposes. *Due to accretion the shoreline has moved approx. 250 meters southward as compared with the shoreline on the old survey (T-1688)*

63. Comparison with Maps of Other Agencies

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

Numerous canals have been added in conjunction with the development of the natural gas fields in the area of this map. They are not shown on the quadrangle. Pirogue trails shown on ~~this map~~ ^{T-9111} do not appear on the quadrangle.

Refer to item 67 for section lines.

64. Comparison with Contemporary Hydrographic Surveys

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

There are a number of newly developed canals on T-9111 which do not appear on the charts. Pirogue trails shown on ~~the map~~ ^{T-9111} are not 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 northwest area of this map. ~~They are tied to section lines as shown in the northwest area of this map.~~ They are tied to section lines which originate from the recovered monumented Elm's Corner on survey T-9106. See item 67,

Review Report T-9106 concerning Elm's Corner.

Although the section lines shown along the Gulf coast and the north central area on this survey were plotted from G. L. O. plat measurements, it is recommended that they ~~will~~ not be 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~~^{indicated} on the drafting overlay in violet crayon. They have been retained on the manuscript for possible reference purposes.

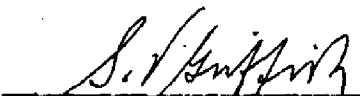
68. Geographic Names


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


Reviewed by:

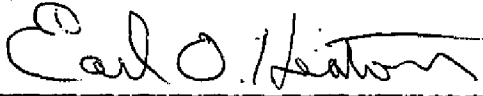

K. N. Maki 2/25/52

Approved:


Chief, Review Section
Div. of Photogrammetry


Chief, Nautical Chart Branch
Div. of Charts G.F.


Chief, Div. of Photogrammetry


Chief, Division of Coastal
Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9111

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.