

9108

ORIGINAL

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. Ph. 33(48) Office No. T-9108

LOCALITY

State LOUISIANA

General locality VERMILION BAY

Locality BELLE ISLE

1945

CHIEF OF PARTY

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

Office

LIBRARY & ARCHIVES

DATE Sept 2 - 1952

8-1870-1 (1)

9108

Part. Applied chart 883 Feb 1954 ~~1952~~

DATA RECORD

T-9108

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): 8-22-50

Date reported to Nautical Chart Branch (IV): 8-30-50

Applied to Chart No. ~~XXXX~~

Date:

Date registered (IV): 2-5-52

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): ~~VERMILION, 1913~~ Belle Island Bayou, Conservation Tower, 1933

Lat.: ~~29° 42' 57.113 (1759.4 m)~~ Long: ~~92° 08' 48.1289 (1297.9 m)~~

29° 40' 28.144 (866.6 m) 92° 08' 05.634 (151.5)

Adjusted

~~XXXXXX~~

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.

DATA RECORD

Field Inspection by (II): William M. Reynolds
James H. Clark

Date: July to Dec. 1948

Planetable contouring by (II): William M. Reynolds
James H. Clark

Date: July to Dec. 1948

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

Date: 6 Oct. 1950 to 12 Feb. 1951
incl.

Mean High Water Location (III) (State date and method of location): Date of photographs
Air photo compilation

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

Date: 27 Oct. 1948

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

Date: 27 Oct. 1948

Control plotted by (III): John F. Armstrong

Date: 29 March 1949

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

Date: 20 June 1949

~~Radial Plot~~ ~~Stereoscopic~~

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

Date: 15 Feb. 1950

Planimetry

Stereoscopic Instrument compilation (III):

Inapplicable

Date:

Contours

Date:

Manuscript delineated by (III): R. Dossett

Date: 26 June 1950

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

Date: 19 July 1950

Elevations on Manuscript
checked by (II) (III):

R. Dossett (III)

Date: 14 June 1950

Camera (kind or source) (III): U.S.C. & G.S. 9 lens, 8 $\frac{1}{2}$ in focal length

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
22042	13 March 1948	15:15	1:20,000	0.1
22043	"	15:17	"	0.1
22044	"	15:18	"	0.1
22056	"	15:34	"	0.1

Tide (III)

Reference Station: Galveston, Texas
 Subordinate Station: Weeks Bay, Vermilion Bay
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
1.0	1.0	1.4
1.1	1.1	1.5

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

Date: 12-18-51

Final Drafting by (IV): *(To USGS for drafting and publication as a quadrangle.)*

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 57
 Shoreline (More than 200 meters to opposite shore) (III): 37.4
 Shoreline (Less than 200 meters to opposite shore) (III): 27.3
 Control Leveling - Miles (II): 2.0

Number of Triangulation Stations searched for (II): 4 Recovered: 4 Identified: 4

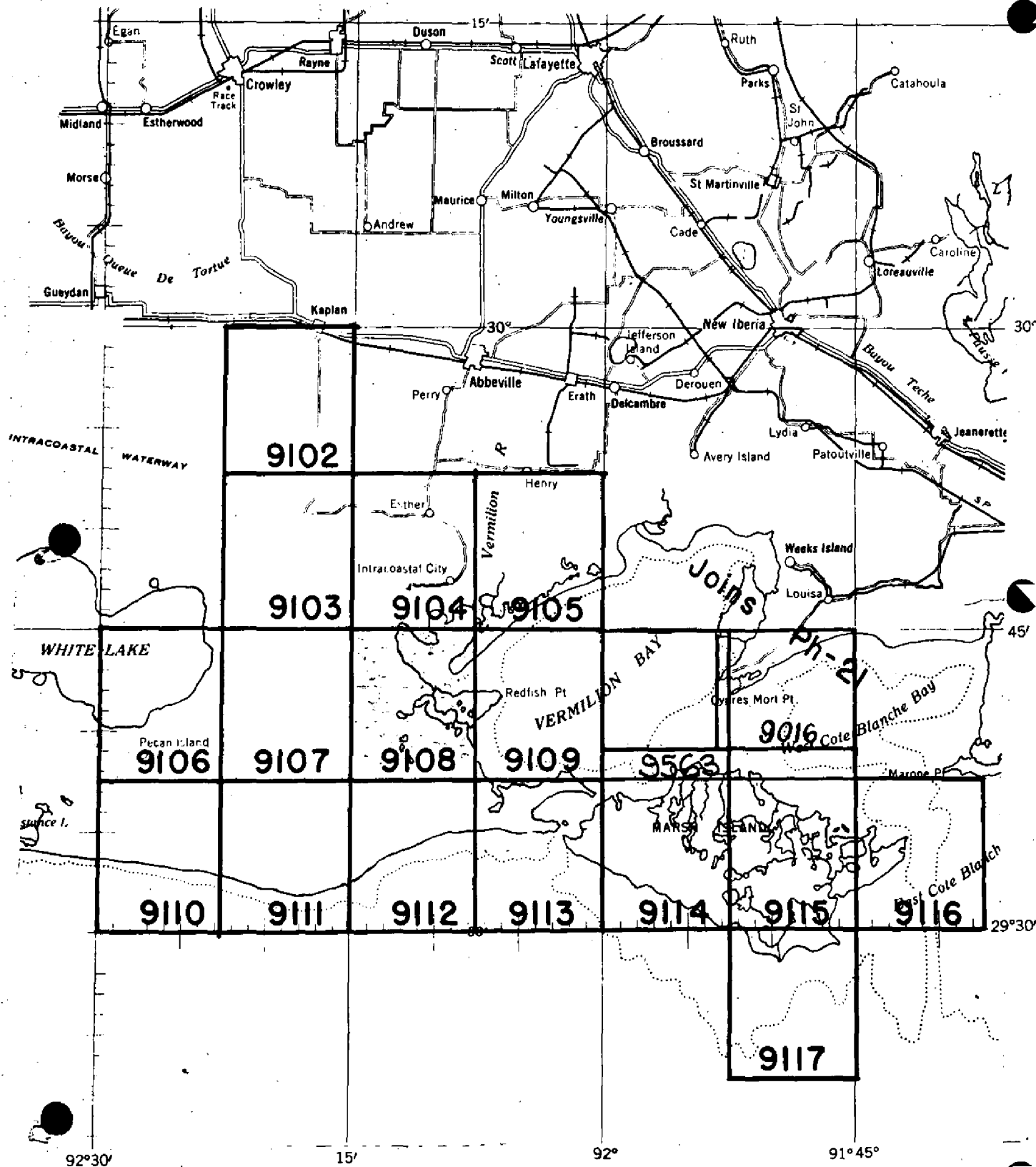
Number of BMs searched for (II): * Recovered: Identified:

Number of Recoverable Photo Stations established (III): 12

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

Remarks: * 5 Third order Bench Marks established

Intracoastal Waterway
TOPOGRAPHIC MAPPING PROJECT
PH-33(48)
LOUISIANA, East Cote Blanche Bay - White Lake



SUMMARY TO ACCOMPANY T-9108

T-9108 is one of 18 topographic surveys in Project Ph-33 (48) Louisiana. The northeast portion of this map includes nearly all of that area of Vermilion Bay west of Mud Point. A small area of Vermilion Bay is also covered in the vicinity of Bayou Fearman on the east limits of the map. The balance of the map area is mostly marsh featured by numerous canals, ponds and lakes. Fearman Lake, Belle Isle and McIlhenny Canal are the most prominent water features. The largest fast land area is Belle Isle in the southwest part of the map area. This map is a graphic compilation. The field operations preceding compilation included complete field inspection, recovery of horizontal control and the establishment of vertical control. The contour interval is 5 feet. The manuscript 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 topographic quadrangle. The registered data to be permanently filed in the Bureau Archives under T-9108 will include a cloth-mounted lithographic print of the 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 maps only.

FIELD INSPECTION REPORT
 Quadrangle T-9108
 (29-07.5/92-07.5/7.)
 Project Ph-33(48)
 Charles W. Clark, Chief of Party

All phases of field work were completed in accordance with the Director's Instructions: Project Ph-33(48), Field, dated 2 July 1948; and other applicable instructions as noted herein.

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

NAME	PHASE	MONTH, 1948
William M. Reynolds Cartographer (Photo)	Horizontal Control Recovery	July
	and Identification	July, October
	Shoreline Inspection	December
	Contouring	December
James H. Clark Engineering Aid	Interior Field Inspection	December
	Third-Order Levels	October, December
	Contouring	October, November
	Interior Field Inspection	November
Isaiah Y. Fitzgerald Cartographer	Section Corners & Boundaries	December
		November, December

1. DESCRIPTION OF THE AREA:

This quadrangle, embracing most of the area surrounding the northwestern arm of Vermilion Bay - including a large portion of the western shoreline of Vermilion Bay - is in Vermilion Parish.

Belle Isle, a long narrow bank of ground slightly higher than the surrounding marsh, is the only fast ground in the area.

Transportation facilities are very poor. There are no roads, waterborne traffic is the only available means of transportation.

Vermilion Bay and connecting bayous and canals make this possible. However, controlling depth of the water prohibits use of anything but relatively shallow draft vessels.

Approximately forty percent of the land area is a part of two wildlife sanctuaries. The remainder, with the exception of Mud Point, is owned by Louisiana Furs, Inc. and McIlhenny and is reserved for trapping of fur bearing animals.

2. COMPLETENESS OF FIELD INSPECTION:

Field inspection is believed to be complete and adequate.

Interior field inspection was done simultaneous^{ly}, and in conjunction, with other phases of field work.

Shoreline inspection was done as a separate operation.

3. INTERPRETATION OF THE PHOTOGRAPHS:

As photography was of a recent date little difficulty was encountered interpreting photographic detail.

4. HORIZONTAL CONTROL:

All known horizontal control in the quadrangle was recovered *or known to be lost*.
The control is listed below:

AUDUBON (U.S.G.S.), 1932 - *Destroyed - see item #56*
 * VERMILION, 1913 - *Destroyed -* "
 VERMILION BAY WEST LIGHT, 1933 ✓
 BELLE ISLE CONSERVATION TOWER, 1933 ✓
 * Vermilion R.M. 2, 1913 *recovered -* "
 Of these, all were identified positively, except VERMILION, 1913.

5. VERTICAL CONTROL:

A third-order level line beginning on existing C. & G.S. bench marks in Kaplan follows roads, trails, and waterways to a tie near Chenier^e au Tigre. This line leaves Schooner Bayou near the northern limits of this quadrangle at the entrance to Sixmile Canal and follows this canal to Belle Isle Bayou, thence along Belle Isle Bayou and a short canal to Belle Isle, thence along Belle Isle to other canals to Chenier au Tigre. In its course the line leaves this quadrangle about two-thirds the length of Sixmile Canal to enter T-9107 only to re-enter this quadrangle near Belle Isle. The line leaves the quadrangle off the southeastern end of Belle Isle and enters T-9112.

Seven new third-order bench marks were established within the quadrangle along this level line.

In addition, part of a fly level line, beginning at Intracoastal City, and progressing along the Intracoastal Waterway, the Old Intracoastal Waterway Canal and Schooner Bayou and ending on bench mark Z 113 at the entrance to Sixmile Canal, was run in this quadrangle.

6. CONTOURS AND DRAINAGE:

Contouring was done by standard plane table methods direct on nine lens field photographs at an approximate scale of 1/20000.

There were no large closing errors, neither horizontally nor vertically, in the plane table traverses.

Drainage ~~was not a major problem~~ ^{is} apparent on the photographs and needed no further delineation or clarification.

7. MEAN HIGH WATER LINE:

The mean range of tide at Southwest Pass is 1.1 feet. However, the water level in this area is influenced more by wind action than by periodic tidal action.

The mean high water line was inspected by boat in accordance with Field Memorandum No. 1, Mean High Water Line in Marsh and Other Swamp Areas, dated 20 June 1938; and, Supplemental Instructions - Shoreline Inspection, dated 18 March 1944. *Office files, Div Photogr.*

Symbolization of the MHWL was done in accordance with paragraph 20 (c) of the latter instructions mentioned in the preceding paragraph.

8. LOW WATER LINE:

No attempt was made to determine and delineate the mean low water line, because of the difficulty of determining the time of low water as a result of the effects of the wind upon the water level.

In the main, the MLWL is synonymous with the MHWL.

9. WHARVES AND SHORELINE STRUCTURES:

Wharves and shoreline structures in this area are trappers cabins and headquarters buildings of the National Audubon Society and Louisiana Furs, Inc., and are adequately covered on the photographs.

Actually there are no wharves in the true meaning of the word, but are small boat landings and points for unloading supplies from small barges.

10. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE:

There were ¹⁷⁴piles found as charted on existing charts near the channel to the Vermilion River. One pile charted at N 2944.5 W 9211.5, approximately 0.75 mile SE of Vermilion Bay West Light, was not found during the course of field work after diligent search at various water levels. Those found were re-located by instrumental methods.

See field edit - item 58.

11. LANDMARKS AND AIDS TO NAVIGATION:

All fixed aids to navigation were located by sextant or theodolite cuts, or were identified on the photographs.

A landmark, TOWER, near the eastern end of Fearman Lake is charted on existing charts and the only landmark recommended for charting in the quadrangle.

The entire area was viewed from Vermilion Bay to determine suitable objects for landmarks.

Form 567 for all aids to navigation and landmarks were submitted.

12. HYDROGRAPHIC CONTROL:

Existing horizontal control was supplemented by the establishment of seven recoverable topographic stations. These stations were set on points of detail identifiable on the photographs; or, set at a suitable location and located by an angle and distance from a point of identifiable detail. *See item 49*

13. LANDING FIELDS AND AIDS TO NAVIGATION:

There are none within the limits of the quadrangle.

14. ROAD CLASSIFICATION:

There are no roads in the quadrangle.

15. BRIDGES:

There are no bridges within the quadrangle.

16. BUILDINGS AND STRUCTURES:

All buildings and structures were classified during field inspection in accordance with Photogrammetry Instructions No. 29, dated 1 October 1948. *Filed in Div Photogrammetry office files.*

17. BOUNDARY MONUMENTS AND LINES:

Boundary lines within the quadrangle are Police Jury Ward and Wildlife Sanctuary boundaries.

The boundary of Police Jury Ward Seven, Vermilion Parish, follows the shoreline of Vermilion Bay to the Vermilion Bayou in T-9104.

The boundary of Police Jury Ward Two follows the shoreline of Vermilion Bay into this quadrangle from T-9109, around Mud Point to the Vermilion Bayou in quadrangle T-9104.

The boundary of the State Game Refuge on the east is the shoreline of Vermilion Bay; on the west the boundary is the Paul J. Rainey Sanctuary of the National Audubon Society.

The east boundary of the Paul J. Rainey Sanctuary has been surveyed and the section corners along the line marked with concrete monuments. These monuments may or may not be in the position of the original corners. In any case, they mark the boundary between the State Game Refuge and the Paul J. Rainey and are de facto section corners.

For necessary details see "Special Report - Boundaries - Ph-33(48)".

18. GEOGRAPHIC NAMES:

Geographic names for this quadrangle were covered by "Special

Ward bdy shown as per new description legally adopted see p. 8 and 43 of Ph-33 Bdy Report.

Report, Geographic Names, Gulf Intracoastal Waterway, Vermilion Bay, Louisiana to Port Arthur, Texas - Project Ph-14(46)". *Filed in Geographic Names Section, Div. of Charts.*

No systematic investigation was made and the only exceptions noted in the above report are as follows:

SIXMILE CANAL is a new name. This is the name of a canal, dredged in recent years, leaving Schooner Bayou near the northeast corner of this quadrangle and running south-southwest into quadrangle T-9107.

The name SIXMILE CANAL is in extensive local usage and is derived from the length of the canal. The name Humble Canal is used to a much lesser extent and is actually a misnomer as the canal is not owned by the Humble Oil Co.

The name AUDUBON instead of Gordon Camp as recommended in the above report on geographic names is adequately covered in "Special Report - Coast Pilot Information - Project Ph-33(48)".

The name HELL HOLE BAYOU for the bayou in the southeast corner of the quadrangle was reported by a local resident to be incorrect. Further investigation of this name was made. The name HOG BAYOU for this bayou is adequately covered in "Descriptive Report - Quadrangle T-9113 - Project Ph-33(48)". *Refer to the attached list of approved geogr. names.*

19. COAST PILOT INFORMATION:

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

20. PROPOSED CULTURAL CHANGES AFFECTING MANUSCRIPT:

There is under investigation by the U. S. Engineer Department, a proposed deep water channel connecting the Intracoastal Waterway with the Gulf of Mexico. This channel, as now proposed, will follow the existing canals and natural waterways. If this plan is followed, some of the canals and bayous in this quadrangle will be widened and deepened. The compiler and reviewer's attention is directed hereto and further investigation by the field editor is recommended.

Refer to item #60

Submitted:

29 December 1948

William M. Reynolds
William M. Reynolds

Cartographer (Photo)

James H. Clark
James H. Clark

Engineering Aid

Isaiah Y. Fitzgerald
Isaiah Y. Fitzgerald

Cartographer

Approved:

10 January 1949

Charles W. Clark
Charles W. Clark

Lt. Comdr. U.S.C. & G.S.
Chief of Party

COMPILATION REPORT T-9108

PHOTOGRAMMETRIC PLOT REPORT

This report is bound with T-9113.

31. DELINEATION

The delineation was by the graphic method. The scale of photographs 22042, 22043 and 22044 was reasonably good; that of 22056 was poor.

32. CONTROL

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

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

The drainage was delineated as shown photographically. The few contours occurring are as indicated on the field photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The entire shoreline of Vermilion Bay has been delineated as apparent as indicated by the field inspection. *See item #57*

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Piling located by field edit.

Vermilion River daybeacons 8, 10, 13 and 15 were located by the field inspection party in October 1948 by theodolite cuts; however, Nautical Chart No 1051, latest hand correction date 30 November 1948, shows these aids have been deleted; accordingly they have been left off the map manuscript. *No daybeacons - see field edit report item #58*

One landmark "Belle Isle Bayou Conservation Tower" has been recommended for charting and is listed on form 567. *(attached)*

38. CONTROL FOR FUTURE SURVEYS

Twelve topographic stations are being submitted on form 524.
These topographic stations have been listed under Item 49.

Also 9 534 cards on recovered McIlhenny section corners and/or game area boundaries. Filed in Div. Photogrammetry general files.

39. JUNCTIONS

Satisfactory junctions have been made with T-9104 on the north, T-9107 on the west, T-9109 on the east and T-9112 on the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement required. *No test made. See item #66*

46. COMPARISON WITH EXISTING MAPS

A comparison was made with U. S. Geological Survey Quadrangle Redfish Point, La., N.W.; field examined in 1932.

The only difference noted was "Six Mile Canal" has been constructed since the publication of the foregoing map.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Nautical Chart No. 1277, scale 1:80,000 published November 1938 and corrected to 3 June 1949. No differences were noted. *See item #65*

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

William A. Rasure

for Rudolph Dossett
Cartographic Aid

Approved and Forwarded

Arthur L. Wardwell
Arthur L. Wardwell
Chief of Party

49. NOTES FOR THE HYDROGRAPHER

Following is a list of topographic stations that may be useful to the hydrographer: *Filed (form 524) in Div. Photogrammetry general files.*

BLOT, 1948
ALSO, 1948
ARAB, 1948
FADE, 1948
SIGN, 1948
LINK, 1948
CHUB, 1948
CAGE, 1948
A-114, 1948
C-114, 1948
M-114, 1948
L-114, 1948

50 PHOTOGRAMMETRIC OFFICE REVIEW

T- 9108

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 hydr stations XXXXXXXX 8. Bench marks JG 9. Plotting of sextant fixes JG 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 XXXXXXXX 15. Bridges XXXXXXXX 16. Aids to navigation JG 17. Landmarks JG 18. Other alongshore physical features JG 19. Other along-shore cultural features JG

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. XXXXXXXX 28. Buildings JG 29. XXXXXXXX 30. Other cultural features JG

BOUNDARIES

31. Boundary lines JG 32. Public land lines WAR

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. Gilez William A. Rasur
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

9108

"Original"

- 18 -

51. METHODS

All features were visually inspected with the exception of minor drainage within the limits of the marsh.

Correction and additions not readily visible on the photographs were added by planetable methods or reference measurements.

The corrections to minor drainage were added during office inspection after verification of photographic tones at various major drains.

All corrections, additions, and deletions are shown on the field edit sheet, or if indicated 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 six (6) photographs, Nos. 21369, 21370, 22043, 22044, 22055, and 22056.

52. ADEQUACY OF COMPILATION

With the exception of various small drains omitted, the compilation appears satisfactory.

53. MAP ACCURACY

No accuracy tests were required, however various sextant and planetable fixes verify satisfactory accuracy of detail location.

54. RECOMMENDATIONS

To simplify the field editors drafting, it is recommended that the double weight print, to be used as field edit sheet, be processed on semi-matte paper. The slick surface of present paper does not, as a rule, absorb ink until it has been cleaned with an eraser.

55. EXAMINATION OF THE PROOF COPY

Mr. Nick Schexnayder, 323 N. State Street, Abbeville, Louisiana has agreed to examine the proof copy.

Two corrections and seven additions are recommended for geographic names upon the following verification:

1. Mr. Nick Schexnayder, Warden-National Audubon Society.
2. Mr. Robert D. Landry, Field Supervisor, Louisiana Department of Wildlife and Fisheries, Civil Courts Bldg., New Orleans, La.
3. Mr. J. M. Hebert, Box 27, Abbeville, La. Manager for Louisiana Furs Inc.

Change the name "PEARSONS PONDS" to "TEAL PONDS" at 29 39.5/92 12.1
 " " " "HELLHOLE BAYOU" to "HOG BAYOU" at 29 37.7/92 08.0

Add the name "CHARLES BAYOU" at 29 42.7/92 12.5
 " " " "COOT LAKE" at 29 42.5/92 11.3
 " " " "DEEP WATER BAYOU" at 29 42.0/92 12.6
 " " " "DEEP LAKE" at 29 41.5/92 13.1
 " " " "CUT-OFF CANAL" at 29 41.9/92 10.0
 " " " "FEARMAN BAYOU" at 29 40.5/92 08.3
 " " " "HOG LAKE" at 29 37.6/92 08.5

The names "PAUL J. RAINEY WILDLIFE SANCTUARY" and "STATE GAME REFUGE" were verified as correct.

56. HORIZONTAL CONTROL

Refer to Item 4, Field Inspection Report.

Triangulation station "VERMILION 1913" is being destroyed by wave action. Angles and distances were taken to determine a 3rd order geographic position of "VERMILION 1913 RM NO 2".

Triangulation station "AUDUBON(USGS)1933" has been destroyed by removal of building. An attempt was made to identify "AUDUBON 1933 RM 2" the only remaining RM, ~~22~~ check on the radial plot. This mark is now covered by a wooden water cistern.

57. MEAN HIGH WATER LINE

There are stretches of shell bank along the western shore of Vermilion Bay important enough to warrant mapping which have been indicated on the field edit sheet or photographs. This shoreline has very little movement due to wave action.

The south and north shorelines of Vermilion Bay are eroding at the rate of approximately 7.5 ft. per year. No attempt was made to correct the shoreline in these areas inasmuch as the general delineation remains constant.

58. DETAILS OFFSHORE FROM MEAN HIGH WATER LINE

Refer to Items 10, 11, and 37, Field Inspection Report.

Miscellaneous piling and previous locations of piling were located or verified by planetable and sextant methods. There are no daybeacons in this northwestern portion of Vermilion Bay.

All offshore detail have been indicated on the field edit sheet.

59. BOUNDARY MONUMENTS AND LINES

Refer to Item 17, Field Inspection Report.

The few doubtful points in location of the Paul J. Rainey Wildlife Sanctuary boundary have been verified and corrective notes shown on the field edit sheet.

The section corner monument at the northeast corner of Section 22, T16S, R2E, was recovered.

60. PROPOSED CULTURAL CHANGES

Refer to Item 20, Field Inspection Report.

The proposed deep-water channel from Intracoastal Waterway to the Gulf of Mexico has not progressed beyond the planning stage. No action is contemplated in the immediate future.

Submitted
13 February 1951

Cecil A. Navin
Cecil A. Navin
Cartographic Survey Aid

Approved
8 MARCH 1951

Percy L. Bernstein
Percy L. Bernstein
Chief of Party

PHOTOGAMMETRIC REVIEW SECTION

STRIKE OUT ONE

21 October 1948

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

The positions given have been checked after listing by

William A. Rasure

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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SECTION

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

Abbeville, Louisiana

21 October

19 48

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

The positions given have been checked after listing by

Rudolph Dossett

Tampa Photogrammetric Office

Charles W. Clark

Chief of Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION			METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE	LONGITUDE	DATUM						
LOUISIANA	LIGHT	VERMILION BAY WEST - Red circular daymark on white slatted structure on piles		29 44	92 12	1927	Tri.	1933	X			1277 1051, 88

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

48. GEOGRAPHIC NAME LISTAUDUBONBAYOU FEARMANBAYOU PIENBOB LAKEBELLE ISLEBELLE ISLE CANALBELLE ISLE BAYOUBELLE ISLE LAKEBIG ISLAND BAYOUBIG ISLAND LAKESBUCK POINTCHARLES BAYOUCOLES BAYOU - COOT LAKE - CUT OFF CANALDEEPWATER BAYOUDEEP WATER BAYOU (one word)DEEP LAKEFEARMAN LAKEHACKBERRY BAYOUHELL HOLE BAYOUHOG BAYOU - HOG BAYOU LAKELAKE TOMSLITTLE BAYOU CHENELITTLE WHITE LAKELOUISIANAMCILHENNY CANALMUD POINTNORTH LAKE WILDLIFEPAUL J. RAINEY SANCTUARYPEARSONS PONDS TEAL PONDSPOLICE JURY WARD 7POLICE JURY WARD 2SIXMILE CANALSIX MILE CANALSOUTH LAKESTATE GAME REFUGE (same as on adjoining quads)SHALLOW BAYOUSCHOONER BAYOUTOMS BAYOUVERMILION BAYVERMILION PARISH

Names underlined
in red are approved.
9-19-50. L. Heck.

12-18-51: rechecked
after F. Editt
L. H.

REVIEW REPORT T-9108
Topographic Map
18 December 1951

62. Comparison with Registered Topographic Surveys

T-1684 1:20,000 1886

Only a very small section of shoreline, at approximately latitude 29°39' is common to the two surveys. T-9108 supersedes T-1684 for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

Redfish Point, La., NW (advance sheet) 1:31,680, U.S.G.S., 1932

The most prominent differences between T-9108 and the U.S.G.S. quadrangle occur in the addition of new names to water features and the changing of some previously used names. For differences in section line development between the two surveys refer to item 67.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

883	1:40,000,	ed. 1950	corr. 8/21/50
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

*The following names of features appear on T-9108 but not on the chart:

Charles Bayou
Deepwater Bayou
Teal Ponds (Pearsons Ponds on Chart 1277)
Cut-off Canal
Lake Toms (Lake Town on Chart 1277)
Bayou Prien
Hog Lake
Hog Bayou (Hell Hole Bayou on Chart 1277)
Deep Lake
Coot Lake (This name and feature not on Chart 1277)

The line of stakes in Vermilion Bay shown on T-9108 are not shown on the larger scale chart 883. *No individual piling is shown between pile #1 and #2 on T-9108 whereas on Chart 1277, two separate piles are shown in that area. Pile #1 on T-9108 is not shown on Chart 1277.* There are no other particularly significant differences between T-9108 and the charts.

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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 section lines shown with a dashed red line on the manuscript are based on General Land Office (Bureau of Land Management) plats. They are also indicated in red on the drafting overlay. The section lines shown with a dotted line on the manuscript are from a private survey by E. A. McIlhenny and are recommended not to be drafted. The representation of this private survey was necessary since the game refuge and wild life sanctuary boundaries are described in reference to the section corners and lines of said survey. The monumented boundary markers for the game areas are to be shown with the conventional monument symbol and are indicated in green on the drafting overlay. All other recovered accepted corners of the private land survey are not to be drafted. It is to be noted, however, that the land lines as developed to the south and west of Vermilion Bay on the Redfish Point, La. (NW) quadrangle, agree quite closely with the private survey shown on T-9108. The only exception is the numbering sequence which is offset in an east-west direction one full section in comparison with each other. ^{on T-9108} the Redfish Point, La. (NW) quadrangle.

68. 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
K. N. Maki 2/5/52

Approved by:

S. V. Lippitt 2/3/52
Chief, Review Section
Division of Photogrammetry

H. C. Edmonston
Chief, Nautical Chart Branch
Division of Charts ^{GR}

O. S. Reading
Chief, Div. of Photogrammetry

Earl O. Henton
Chief, Div., Coastal Surveys
E.O.H.

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History of Hydrographic Information
 Quadrangle T-9108
 Area of Vermilion Bay, Louisiana

Hydrography was applied to the manuscript of this quadrangle in accordance with Division of Photogrammetry general specifications dated 18 May 1949.

Soundings in feet at mean low water originate with the following:

 USC&GS Hydrographic Survey

 H - 1822 (1888) 1:20,000

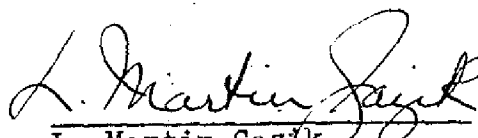
 USC&GS Nautical Chart

 833 (1950) 1:40, 000

• The islet in the northeast corner of the quadrangle is outlined with the low water line in accordance with the above chart.

Inspection of the low water photograph 22056 for this area discloses no islet, area awash, or any other shallow characteristic.

Hydrography was compiled by L. Martin Gazik and checked by R. E. Elkins.


L. Martin Gazik
Div. of Photogrammetry
14 January 1952

SURVEY NO. *T-9108*

[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.