

9102

ORIGINAL

Diag. Cht. No. 1116-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. _____ Office No. T-9102

LOCALITY

State LOUISIANA

General locality LOUISIANA GULF COAST

Locality KAPLAN

1945

CHIEF OF PARTY

Charles W. Clark, Chief of Fd. Party
Arthur L. Wardwell, Tampa Photogram-
metric Office

LIBRARY & ARCHIVES

DATE _____

B-1870-1 (1)

9102

Rest Applied to chest 883 Feb 1954 MSA

Key

Key

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DATA RECORD

T - 9102

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

Field Office (II): Abbeville, Louisiana

Chief of Party: C. 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): 9-28-50 Date reported to Nautical Chart Branch (IV): 10-2-50

Applied to Chart No.

Date:

Date registered (IV): 1-16-51

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): TT 70 L , 1932 (USGS)

Lat.: 29° 56' 49" 49 (1523.8M) Long.: 92° 16' 59" 02 (1582.7M)

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.

DATA RECORD

Field Inspection by (II): Wm. M. Reynolds, C. H. Bishop
L. F. Beugnet, J. H. Clark Date: Feb. 1949

Planetable contouring by (II): Wm. M. Reynolds, C. H. Bishop
L. F. Beugnet, J. H. Clark Date: Feb. 1949

Completion Surveys by (II): *CA Navin* Date: *Jan. Feb. 1951*

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

Projection and Grids ruled by (IV): W. E. W. (Washington Office) Date: 29 Oct. 1948

Projection and Grids checked by (IV): W. E. W. (") Date: 29 Oct. 1948

Control plotted by (III): J. F. Armstrong Date: 16 March 1949

Control checked by (III): B. F. Lampton Date: 16 March 1949

Radial Plot or Stereoscopic Control extension by (III): M. M. Slavney Date: 19 Jan. 1950

~~Radial Plot or Stereoscopic Control extension by (III):~~

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

Manuscript delineated by (III): J. F. Armstrong
R. R. Wagner Date: 27 June 1950

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

Elevations on Manuscript checked by (III): R. R. Wagner Date: 14 June 1950

Camera (kind or source) (III): U S C & G S nine lens 8 $\frac{1}{4}$ " focal length

Number	Date	Time	Scale	Stage of Tide
21432	2 Dec. 1947	13:56	1:20,000	No tide
22101	13 18 March 1948	16:40	"	
22102	13 18 March 1948	16:41	"	
22105	13 18 March 1948	16:59	"	

Tide (III)

Reference Station:

No tide

Subordinate Station:

Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

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

Date: *30 Aug. 1951*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 64.5

Shoreline (More than 200 meters to opposite shore) (III): None

Shoreline (Less than 200 meters to opposite shore) (III): None

Control Leveling - Miles (II): 63

Number of Triangulation Stations searched for (II): 26 Recovered: 23 Identified: 12

* Number of BMs searched for (II): 29 Recovered: 27 Identified: 16

Number of Recoverable Photo Stations established (III): 2

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

Remarks:

*Nine third order bench marks were established.

Summary to Accompany T-9102

T-9102 is one of 18 topographic quadrangles in Project Ph-33(48) Louisiana. The quadrangle is west of New Orleans and approximately 25 miles inland from the Gulf of Mexico. It is the most northerly map in the project. Part of the town of Kaplan falls in the extreme north limits of this map. The map area is mainly characterized by numerous irrigation canals and ditches. The field operations preceding compilation included complete field inspection, recovery of horizontal control, recovery of vertical control and the establishment of additional vertical control to supplement the existing 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-9102 will include a cloth-mounted lithographic print of T-9102 at scale 1:20,000, a cloth-mounted color print of the published map at scale 1:24,000 and the original descriptive report.

FIELD INSPECTION REPORT
 Quadrangle T-9102
 (29-52.5/92-15.0/7.5)
 Project Ph-33(48)
 Charles W. Clark, Chief of Party

Field work was done in accordance with the Director's Instructions, Project Ph-33(48), Field, dated 2 July 1948 and other applicable instructions as noted herein by the following personnel during the indicated periods of time:

NAME	PHASE	MONTH	YEAR
Wm. M. Reynolds Cartographer (Photo)	Horizontal Control Recovery and Identification Contours and Interior Field Inspection of North 1/2	July-Oct.	1948
		Jan.-Feb.	1949
C. H. Bishop Photogrammetric Aid	Contours and Interior Field Inspection in SW 1/4	Jan.-Feb.	1949
L. F. Beugnet Engineering Aid	Contours and Interior Field Inspection in SE 1/4	Jan.-Feb.	1949
J. H. Clark Engineering Aid	Fly Levels Contours and Interior Field Inspection in SW 1/4	January	1949
		Jan.-Feb.	1949
M. A. Stewart Engineering Aid	Third-Order Levels	September	1948

1. DESCRIPTION OF THE AREA:

This quadrangle is located in Vermilion Parish, Southwestern Louisiana.

The entire area is an agricultural one, with rice being the predominant crop although there is a small amount of sugar cane produced. There are a few small wooded areas in the southern part of the quadrangle which adjoin the marsh and are low and undeveloped for agricultural purposes. The rice fields are irrigated by the many canals and irrigation ditches in the area. In addition, a large part of the area is devoted to cattle raising.

The oil industry is conducting extensive exploration operations throughout the area with a limited production of oil and natural gas.

The town of Kaplan is the immediate shopping center for the area. There is only approximately half of the town within the quadrangle as the northern limits of the quadrangle passes through the town. The population is about 1500.

The area is served by one paved and one unpaved main highway.

The paved highway is a main through route to the west and is Louisiana State Highway No. 25. It passes through the extreme northern section of the quadrangle. The unpaved highway is Louisiana State Highway No. 26 and crosses the entire length of the quadrangle from north to south.

The remainder of the area is served by secondary graveled and ungraveled roads.

In addition to the highway system, the area is served by a branch line of the Southern Pacific Railroad. Rail service is limited to freight service only.

2. COMPLETENESS OF FIELD INSPECTION:

Field inspection is believed to be complete and adequate. One new reservoir has been constructed since photography, the corners of which were located by plane table during the course of contouring. Also a new irrigation ditch has been dug. This ditch was also located by plane table during contouring.

3. INTERPRETATION OF THE PHOTOGRAPHS:

As the photography was of a recent date no great difficulty was encountered interpreting the photographs.

4. HORIZONTAL CONTROL:

All existing horizontal control in the quadrangle and the area immediately surrounding was searched for or recovered. Of those stations recovered the following were positively identified:

KAPLAN MUNICIPAL TANK, 1931
VINCENT, 1931
TT71LS (USGS), 1932
TT72LS (USGS), 1932
TT65LS (USGS), 1932
TT67LS (USGS), 1932
TT68LS (USGS), 1932
TT69L (USGS), 1932
TT70L (USGS), 1932
TT7T (USGS), 1932
WARREN (USGS), 1932

5. VERTICAL CONTROL:

Existing vertical control within the quadrangle at the beginning of field operations was a line of second-order leveling along the Southern Pacific Railroad crossing the extreme northern section, and Louisiana Geodetic Survey bench marks in the vicinity of Kaplan.

To supplement this existing control a line of third-order levels was run beginning on bench marks in the previously mentioned second-order line at Kaplan. This third-order line was run along Louisiana

State Highway No. 26 southward through the quadrangle and thence along roads and canals to tie to a previously run third-order line in the vicinity of Chenier au Tigre. The elevations of the bench marks on this line are those as shown on Form 45 for the line "Kaplan to Chenier au Tigre."

To supplement the second and third-order control approximately 63 miles of Fly Levels were run along roads and canals within the quadrangle. All fly level closures were less than 0.30 foot and none were adjusted.

6. CONTOURS AND DRAINAGE:

Contouring was done directly on nine lens field photographs of approximately 1/20000 scale by plane table methods. The contouring was done by the four named individuals because of the status of the remaining field work of the project.

Photographic flight lines were widely spaced in some areas of the quadrangle necessitating contouring some distance from the center chamber of some of the photographs, notably the two southernmost.

* Contouring of the spoil along the many canals was done in accordance with Photogrammetry Instructions No. 32, dated 8 November 1948.

7. MEAN HIGH WATER LINE:

Not applicable to this quadrangle.

8. LOW WATER LINE:

Not applicable to this quadrangle.

9. WHARVES AND SHORELINE STRUCTURES:

Not applicable to this quadrangle.

10. DETAIL OFFSHORE FROM THE MEAN HIGH WATER LINE:

Not applicable to this quadrangle.

11. LANDMARKS AND AIDS TO NAVIGATION:

There are no landmarks or aids to navigation within this quadrangle.

12. HYDROGRAPHIC CONTROL:

Not applicable to this quadrangle.

13. LANDING FIELDS AND AERONAUTICAL AIDS:

There are no landing fields or aeronautical aids within the quadrangle.

14. ROAD CLASSIFICATION:

* All roads were classified in accordance with Photogrammetry Instructions No. 10, dated 14 April 1947 as amended 24 October 1947.

15. BRIDGES:

There are no bridges over navigable waters within the quadrangle.

16. BUILDINGS AND STRUCTURES:

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

17. BOUNDARY MONUMENTS AND LINES:

See "Special Report - Boundaries - Project Ph-33(48)".

General files Div. of Photogrammetry.

18. GEOGRAPHIC NAMES:

Geographic names of this area were the subject of a "Special Report on Geographic Names, Gulf Intracoastal Waterway, Vermilion Bay, Louisiana to Port Arthur, Texas, Project Ph-14(47)". No further systematic investigation on geographic names was made during the course of field work of this project; however, no discrepancies were found in the names as recommended by this report of work done in Project Ph-14(47). *Report filed in Geogr. Names Sect., Div. Charts.*

19. COAST PILOT INFORMATION:

See "Special Report - Coast Pilot Information - Project Ph-33 (48)."

Filed in Coast Pilot Sect., Div. Charts

Submitted:

11 February 1949

William M. Reynolds
William M. Reynolds
Cartographer (Photo)

Charles H. Bishop
Charles H. Bishop
Photogrammetric Aid

James H. Clark
James H. Clark
Engineering Aid

Leo F. Beugnot
Leo F. Beugnot
Engineering Aid

Approved:

11 February 1949

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

COMPILATION REPORT, T-9102

PHOTOGRAMMETRIC PLOT REPORT

This report is a part of the Descriptive Report for T-9113.

31. DELINEATION

The map manuscript has been compiled by the graphic method.

The field inspection was good.

In a number of cases canals and ditches have been displaced to keep the minimum space between lines on the manuscript. In all cases roads are kept in their true position where canals or ditches are shown parallel to them.

32. CONTROL

There was a sufficient number of well placed secondary control points to insure establishment of detail points.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

The only drainage in this area consists of canals and ditches with spoil banks. These spoil banks are displaced to keep the minimum distance between the two features. The contours along these spoil banks presented a very difficult problem due to the intricate system of canals and spoil banks.

35. and 36. inapplicable

37. LANDMARKS AND AIDS

There are no landmarks or aids.

38. CONTROL FOR FUTURE SURVEYS

Two Forms 524 are being submitted with this report. These stations have been listed under Item 49.

39. JUNCTIONS

The junctions on the north, east and west are with U. S. Geological Survey quadrangles, scale 1:31,680. The junctions appear to be good except with cultural and drainage features that have been added since publication of the U. S. G. S. quadrangles.

SCHOONER BAYOU(NW) 1932 to the west

KAPLAN, 1932 to the north

ABBEVILLE (NE), 1932 to the east
T-9103 to the south in agreement.

(NW)

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U. S. Geological Survey quadrangle, SCHOONER BAYOU (NE), scale 1:31,680, dated 1932. No discrepancies worthy of note were found.

47. COMPARISON WITH NAUTICAL CHARTS

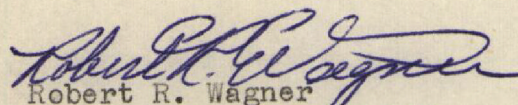
Comparison was made with chart 1051, scale 1:175,000, publication date August 1941, last correction applied 30 November 1948. The quadrangle listed under Item 46 was the main source of the planimetry on the chart and the same statement applies.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

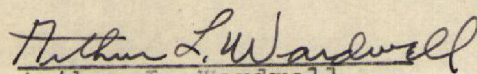
None.

ITEMS TO BE CARRIED FORWARD

None.


Robert R. Wagner
Cartographic Survey Aid

Approved and Forwarded


Arthur L. Wardwell
Chief of Party

48. GEOGRAPHIC NAME LIST

- ABBEVILLE CANAL
- BULL MOOSE LATERAL CANAL
- COULEE BATON
- COULEE DE JOHN ✓
- COW ISLAND
- COW ISLAND NO. 1 CANAL
- DOG ISLAND
- E. BROUSSARD HIGH SCHOOL
- HERBERT CEMETERY
- ISLE MARRONE CANAL
- KAPLAN
- ~~X LONG ISLAND~~
- LONG ISLAND
- LOUISIANA
- ~~X LONG ISLAND~~
- MARCEAUX CEMETERY
- ~~X POLICE JURY WARD 6~~
- POLICE JURY WARD 6
- ~~X POLICE JURY WARD 9~~
- POLICE JURY WARD 9
- SECOND ISLAND
- SIXTH WARD CANAL
- SLEDGE CANAL
- SOUTHERN PACIFIC R. R.
- ST. ANNS CHURCH
- STATE NO. 25
- STATE NO. 26
- STATE NO. 513
- STATE NO. 516
- STATE NO. 1360
- STATE NO. 1362
- THIRD ISLAND ✓
- TOUCHETS CANAL
- VERMILION PARISH
- ZIGLER CANAL ✓

Names underlined
in red are approved,
8-14-51

A. J. W.

49. NOTES FOR THE HYDROGRAPHER

The following is a list of topographic stations:

Tank, Liberty Rice and Feed Mill, 1948

Tank, Segura and Hanks Rice Drier, 1948

*524 cards on
file in Div.
of Photogr.*

50. PHOTOGRAMMETRIC OFFICE REVIEW

T- 9102

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 hydrant stations~~ JG 8. Bench marks JG 9. ~~Plotting of control axes~~ JG 10. Photogrammetric plot report JG 11. Detail points JG

ALONGSHORE AREAS

(Nautical Chart Data)

~~12. Shoreline~~ XXXXXX ~~13. Low water line~~ XXXXXX ~~14. Rocks, shoals, etc.~~ XXXXXX ~~15. Bridges~~ XXXXXX ~~16. Access to navigable~~ XXXXXX ~~17. Landmarks~~ XXXXXX ~~18. Other alongshore physical features~~ XXXXXX ~~19. Other alongshore cultural features~~ XXXXXX

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads JG 28. Buildings JG 29. Railroads JG 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. 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.

Jesse A. Giles William A. Rasure
Compiler Supervisor

43. Remarks: None.

FIELD EDIT REPORT

9102

-18-

51. METHODS

All features were checked by visual inspection supplemented by plane-table traverse where necessary.

All corrections, additions, and deletions have been shown on the field edit sheet or, when shown on the photographs, have been cross referenced to the field edit sheet.

A description of the colored inks used during field edit has been shown on the field edit sheet and photographs.

The field edit data are shown on one (1) field edit sheet, one (1) discrepancy print, one (1) section line print, and four (4) photographs Nos. 21432, 22101, 22102, and 22105.

52. ADEQUACY OF COMPILATION

Satisfactory.

53. MAP ACCURACY

Adequate.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF THE PROOF COPY

Mr. F. E. Everitt, Box 226, Crowley, Louisiana should examine the proof copy.

The following named men were interviewed with respect to geographic names and the corrections suggested:

Mr. T. J. Prejean, Rt.1, Box 34, Abbeville, Louisiana.
Mr. Eudor Abshore, Rt.4, Box 99, Abbeville, Louisiana.
Mr. Leonce Broussard, Box 213, Kaplan, Louisiana.
Mr. G. M. Green, Box 315, Kaplan, Louisiana.
Mr. Edward Abshire, Box 217, Kaplan, Louisiana.

Add name "COW ISLAND" at 29°54'1/92°15!8

Change name "PINE ISLAND" to "THIRD ISLAND" at 29°53!3/92°18!5

" " "LIBERTY" to "ZIGLER" at 29°53!2/92°21!8

" " "KAPLAN" to "COULEE DE JOHN" at 29°55!2/92°21!3

" " "PARISH DRAIN" to "COULEE DE JOHN" at 29°56!3/92°19!6

" " "ISLE MARRONE" to "COULEE DE JOHN" at 29°57!5/92°17!0

The Isle Marrone Canal ends at $29^{\circ}53'8''/92^{\circ}17'6''$ and the extension is known by the name COULEE DE JOHN. The Liberty Pumping Company is dismantled and this canal is now known as the ZIGLER CANAL. The Kaplan Drainage and Irrigation Company is no longer operative; some of their ditches have been taken over by the Coulees de John Drainage District and now go by the latter name.

56. COMPILATION OF DITCHES

Numerous ditches were added to complete the drainage and irrigation pattern. All ditches of permanent nature were inspected and the distances recorded for any measuring over 20 feet.

57. CULTURAL FEATURES

There are three underground pipelines in this area. These have been indicated on the field edit sheet. However, they are not visible as topographic features except where they make overhead crossings of ditches and canals. These crossings have been indicated.

58. BOUNDARY LINES

Mr. B. I. Tanner, former Parish Surveyor, is incapacitated with ill health. His practice and notes have been turned over to Mr. N. O. Lewis who was unable to clarify the questions on the Section Line Print.

Mr. Frank E. Everitt, Box 226, Crowley, Louisiana, Engineer for Acadia-Vermilion Rice Irrigation Co., Inc., is thoroughly familiar with the area and verified corrections in the section lines and Police Jury Ward 9 and 6 Line, using his canal right of way plats.

Submitted
5 February 1951

Cecil A. Navin
Cecil A. Navin
Cartographic Survey Aid

Approved

6 MAR. 1951

Percy L. Bernstein
Percy L. Bernstein
Chief of Party

Review Report T-9102
Topographic Map
30 August 1951

62. Comparison with Registered Topographic Surveys

T-8911, 1:10,000, 1947

The name Liberty Canal on T-8911 has been changed on this map to Zigler Canal. Kaplan Canal on T-8911 has been changed on this map to Coulee De John.

Only the extreme southwest portion of T-9102 is common to T-8911. This map supersedes T-8911 for nautical charting purposes.

63. Comparison with Maps of Other Agencies

Schooner Bayou, La. (N.E.) 1:31,680, U.S.G.S., 1932 (*advance sheet*)

Contours are not shown on the quadrangle and the development of drainage ditches on the quadrangle is not as extensive as on T-9102.

64. Comparison with Contemporary Hydrographic Surveys

~~No~~ contemporary hydrographic surveys.

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

There are no significant differences between T-9102 and the charts.

66. Adequacy of Results and Future Surveys

This map is adequate and complete as a base for nautical chart construction. It complies with National Map Accuracy Standards.

67. Section Lines and Boundaries

The section lines as shown on the map are based on information from General Land Office (Bureau of Land Management) plats, supplemental information from local engineers and adjustment to natural and cultural features. The section lines are considered reliable and are symbolized accordingly.

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 8/30/51
K. N. Maki

Approved by:

S. V. Lippitt 21 ~~24~~ 51
Chief, Review Section
Division of Photogrammetry

H. E. Munster
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Division of Photogrammetry

Carl O. Leaton
Chief, Division of Coastal
Surveys

GEOGRAPHIC NAMES

Survey No. T-9102

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K
									1
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