9869

Diag. Cht. No. 1275-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-90 *Office No.* T-9869

LOCALITY

State Louisiana

General locality Gulf Coast

Locality Caillou Bay to Vouvia Bay

194 52-56

CHIEF OF PARTY

E.H. Kirsch, Chief of Field Party
I.R.Rubottom, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE July 31, 1959

8-1870-1 (1)

9869

FORM 161
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-9869

Project No. (II): Eh-90 Quadrangle Name (IV):

Field Office (II): Houma La. Chief of Party: E.H.Kirsch

Photogrammetric Office (III): Tampa Florida Officer-in-Charge: Ira R. Rubottom

Instructions dated (II) (III): 5 Sept. 1952
Supplement #1 25 Sept. 1952
Supplement #2 30 Sept. 1952

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000 Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

MAR 19 1956

Date received in Washington Office (IV): Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 12/17/58

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): NA 1927 Vertical Datum (III): MHW

XXXXXXXXXXXXXXXX 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): CAMP, 1928

Lat.: 29°14'39".870 (1227.5 M) Long.: 91°03'56".680 (1530.5 M) Adjusted

Plane Coordinates (IV): State: Zone:

Y= X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

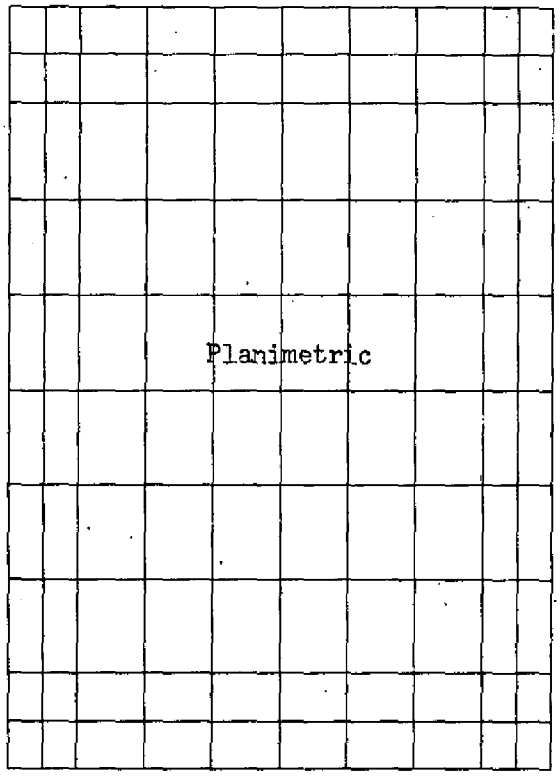
When entering names of personnel on this record give the surname and initials, not initials only.

COMM-DC-57842

FORM 181a
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD



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

FORM 181b
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY 3

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): I.Y.Fitzgerald, E.T.Ogilby, W.M.Reynolds, C.H.Baldwin — Date: Dec. 1952, Apr. 1953, " ", " "

Planetable contouring by (II): Inapplicable — Date:

Completion Surveys by (II): — Date:

Mean High Water Location (III) (State date and method of location): April 1953 Air Photo Compilation

Projection and Grids ruled by (IV): Joan Thurma (WO) — Date: 3 Sept.1953

Projection and Grids checked by (IV): A.D.Wolfe (WO) — Date: 9 Sept. 1953

Control plotted by (III): R.R.Wagner — Date: 18 Oct. 1954

Control checked by (III): R.J.Pate — Date: 18 Oct. 1954

Radial Plot ~~or Stereoscopic~~ Control Extension by (III): M.M.Slavney — Date: 28 Mar. 1955

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

Contours — Date:

Manuscript delineated by (III): R. Dossett — Date: April 1955

Photogrammetric Office Review by (III): J.A.Giles — Date: May 1955

Elevations on Manuscript checked by (II) (III): Inapplicable — Date:

COMM-DC-57842

Camera (kind or source) (III): C&GS Nine-lens 8¼ focal length

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
39432	Sept. 28 1952	11:23	1:20,000	0.7
39433	" " "	11:24	"	"
39434	" " "	11:25	"	"
39439	" " "	11:35	"	"
39440	" " "	11:36	"	"
39603	" 29 "	11:54	"	1.0
39604	" " "	11:55	"	"
39605	" " "	11:55	"	"

1956 single-lens photography:

56-W-4313-17 24 October 1956 1:30 000
" 4321 " " " "
" 4471-75 23 " " "

Tide (III)
Predicted Tide

Diurnal

Ratio of Ranges	Mean Range	Spring Range
		1.3
1.3		1.7

Reference Station: PENSACOLA
Subordinate Station: RACCOON PT, CAILLOU BAY
Subordinate Station:

Washington Office Review by (IV): Date:

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 28
Shoreline (More than 200 meters to opposite shore) (III): 40
Shoreline (Less than 200 meters to opposite shore) (III):
Control Leveling - Miles (II): None
Number of Triangulation Stations searched for (II): 4 Recovered: 2 Identified: 2
Number of BMs searched for (II): 6* Recovered: 6 Identified: 2
Number of Recoverable Photo Stations established (III): 0
Number of Temporary Photo Hydro Stations established (III): 0

Remarks:
* Tidal Bench Marks

M-2618-12(4)

Summary
to accompany planimetric map T-9869

Subject survey is a planimetric map of project PH-90 (6090). Consisting of topographic and planimetric maps, the project is located in the State of Louisiana and covers the low coastal area from Barataria Bay westward to Atchafalaya Bay on the Gulf of Mexico.

T-9869 is in the vicinity of Bay Junop and Pelican Island, northwest of Caillon Bay. The entire land area is marsh except for a narrow fringe of shell deposit all along the Gulf shore. The east half of subject area indicates extensive activities in the exploration and development of oil, but any part within the limits of the map is accesible by the various waterways only.

The compilation manuscript originates from 1955 of 1952 nine-lens photography and results of 1953 field inspection. In 1957 the compilation was revised from 1956 single-lens photography by office interpretation only and subsequently scribed. All sheets of this project were done at the Tampa Office.

According to instructions a copy of the compilation manuscript will be forwarded to the U. S. Geological Survey for their use in preparing a new series of topographic quadrangles at the scale of 62500.

A cronar film positive at the compilation scale of 1:20000 and the Descriptive Report will be registered and filed in the Bureau Archives.

Nov. 1958

2. AREAL FIELD INSPECTION

This area is all marsh except for a narrow strip of shell along the north shore of the Gulf of Mexico and Caillou Bay. The inshore area is considerably cut up with bays and bayous.

There is one oil field in the area, The Texas Company Junop Bay Field. No positions of these wells were furnished, all were identified on the field photographs.

Field inspection was performed on nine-lens field photographs 39431 through 39434, and 39533.

As photography was of a fairly recent date little difficulty was encountered in their interpretation. Field inspection is believed to be complete as of 15 April 1953 with no field work being deliberately left for completion surveys. However, constant changes are taking place due to expansion of oil fields. The field editor should be especially alert for new oil and gas wells and new canals dredged as a means of access to drilling sites.

One new canal and two new wells since photography date were located directly on the photograph by planetable methods.

3. HORIZONTAL CONTROL

All horizontal control was searched for and identified if recovered. No supplemental horizontal control was established.

The following are Coast and Geodetic Survey triangulation stations reported lost: DE LARGE 1928 and MUD HOLE OIL DERRICK 1934.

4. VERTICAL CONTROL

The following Coast and Geodetic Survey Tidal Bench Marks were recovered: JUNOP BAY TIDAL BENCH MARK 1, 2 and 3; KING LAKE TIDAL BENCH MARK 1, 2, and 3.

No other vertical control exists in this area and none was established.

5. CONTOURS AND DRAINAGE

Contouring was limited to revision of original Corps of Engineers contours as shown on the published Oyster Bayou Quadrangle of the standard fifteen-minute series. The entire area was below five feet at the time this quadrangle was surveyed. A careful check was made by this party and no contours were found.

Drainage of the area is by the bayous and canals and is adequately covered by the photographs and field inspection notes where necessary.

6. WOODLAND COVER

There is none.

7. SHORELINE AND ALONGSHORE FEATURES

The mean high water line along the bayous is easily interpreted but has been indicated by symbol at intervals to aid the compiler. The remainder of the inside shoreline is apparent which is the edge of marsh.

The shoreline along the Gulf of Mexico and Caillou Bay is bordered by a narrow shell ridge. Between this shell ridge and the shoreline is a narrow strip of marsh except for a few short stretches where the marsh has eroded away. These short strips of shell have been indicated on the photographs as fast shoreline; the rest as apparent shoreline.

The mean low water line is synonymous with the mean high water line.

All alongshore features are adequately covered by the photographs and shoreline inspection notes.

8. OFFSHORE FEATURES

Adequately covered by the photographs and field inspection notes.

9. LANDMARKS AND AIDS

One aid, Taylors Bayou Entrance Daybeacon, was identified for location by photogrammetric methods.

There are no other aids of any type or landmarks.

10. BOUNDARIES, MONUMENTS AND LINES

See "Special Report, Boundaries, Project Ph-90" and "Special Report, Public Land Lines, Project Ph-90."

11. OTHER CONTROL

Recovery notes were submitted for the following 1935 recoverable topographic stations: ABL, ARM, ADE, IMP, GAB, NOR, CAN, DOK, RIM, and OIL DERRICK(DER).

No other control was established.

12. OTHER INTERIOR FEATURES

There are no roads in this area.

The only buildings are trappers and fishermens cabins which are landmark features due to the lack of other cultural features, although they are of poor construction. They are indicated by the notation "cabins" on the photographs. It is recommended that they be mapped as Class 1 buildings.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project Ph-90."

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Letter of Transmittal No. 90-5, Forms 567, to be forwarded to the Washington Office at a later date.

Letter of Transmittal No. 90-6, Forms 567, to be forwarded to Photogrammetric Office at a later date.

Letter of Transmittal No. 90-7, "Special Report, Public Land Lines, Project Ph-90" and other land lines data, forwarded to Washington Office 29 April 1953.

Letter of Transmittal dated 28 January 1953, land lined data, forwarded to Washington Office same date.

Letter of Transmittal No. 90-8, "Special Report, Geographic Names, Project Ph-90" to be forwarded to Washington Office at a later date.

Letter of Transmittal No. 90-9, "Special Report, Boundaries, Project Ph-90" forwarded to Washington Office 6 May 1953.

Letter of Transmittal No. 90-42, Data, Quadrangle T-9869( ), forwarded to Washington Office MAY 21 1953

Submitted
20 May 1953

Isaiah Y. Fitzgerald
Isaiah Y. Fitzgerald
Photogrammetric Engineer

Approved & Forwarded
MAY 21 1953

E. H. Kirsch
E. H. Kirsch
Chief of Party

COMPILATION REPORT - T-9869

PHOTOGRAMMETRIC PLOT REPORT

This report is being submitted with T-9672.

31. DELINEATION

The graphic method was used.
The scale of the photographs was poor due to tilt, necessitating the use of considerable more detail points than ordinarily would have been required.
The field inspection was adequate.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours inapplicable.
Drainage has been delineated according to photographic interpretation and field inspection notes.

35. SHORELINE AND ALONGSHORE DETAILS

Delineated according to field inspection notes.
Reference ITem 7.

36. OFFSHORE DETAILS

Delineated according to field inspection notes and photographic interpretation.

37. LANDMARKS AND AIDS

One aid, TAYLORS BAYOU ENTRANCE DAYBEACON delineated as indicated by Field inspection identification.
Reference Item 9

38. CONTROL FOR FUTURE SURVEYS

One topographic station(Daybeacon) submitted on Form 524 has been listed under Item 49.

39. JUNCTIONS

Asatisfactory junction has been secured on the West with T-9868; on the North with T-9859 and on the East with T-9870. The Gulf of Mexico lies to the South.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. SECTION LINES

No section line data is available.

46. COMPARISON WITH EXISTING MAPS.

Comparison has been made with C&GS Planimetric Map T-5662, scale 1:20,000 compiled from aerial photograph of 1931; and U. S. Corps of Engineers Topographic Quadrangle "OYSTER BAYOU, LA." scale 1:62,500 compiled in 1931. Except for numerous man-made canals leading to oil wells, no outstanding differences were noted.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with C&GS Nautical Chart No. 1275, scale 1:80,000, published in 1938 and bearing a print date of 17 July 1953. The differences noted under Item 46 apply.

T3
11

ITEMS TO BE APPLIED TO NAUTICAL CHART IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Rudolph Dossett
Rudolph Dossett
Carto Photo Aid

Approved and forwarded:

H. C. Applegarth
for
Ira R. Rubottom, Chief of Party.

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T- 9869 PROJECT NO. Ph-90 (52) SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
CAMP, 1928	G2386 P.88	N.A. 1927	29 14 39.870			1227.5 (619.8)	
			91 03 56.680			1530.5 (89.7)	
JUNOP, 1928	"	"	29 14 48.146			1482.3 (365.0)	
			91 02 47.297			1277.1 (343.0)	
SUB.PT. CAMP, 1928		"	29 14			1150.9 (696.4)	
			91 03			1559.8 (60.4)	
SUB. PT. JUNOP, 1928		"	29 14			1449.8 (397.5)	
			91 02			1305.2 (314.9)	

1 FT = .3048006 METER

COMPUTED BY: J.Steinberg DATE 9/18/53 CHECKED BY: B. Wilson DATE 9/29/53

COMM-DC-57843

49. NOTES FOR THE HYDROGRAPHER

The following recoverable topographic station is for the use of the hydrographer:

TAYLORS BAYOU ENTRANCE DAYBEACON, 1953.

T-9869. Geographic Names

Bay Banan
Bay Junop
Bayou Banan
Bayou Charbon
Bayou de West
Bayou du Large
Bayou Goreau
Caillou Bay (name to be shifted to east edge of map)
Cross Bayou
Big Hellhole Lake

East Bay Junop

Gulf of Mexico

Hellhole Bay
Hellhole Bayou

Indian Bay
Indian Pass

Jack Stout Bay
Jack Stout Bayou (correct title)

King Lake

Little Hellhole Bayou
Louisiana

Mudhole Bay (one word)
Mudhole Bayou

Old Oyster Bayou Lake

Pelican Island
Pelican Pass
Proveausal Bay
Rat Bayou

Taylors Bayou
Terrebonne Parish
Tony Bayou
Tony Lake

Vouvia Bayou

Names approved 11-27-56
L. Heck

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW BRANCH

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED / ~~TO BE DELETED~~ } STRIKE OUT ONE

Tampa Florida 29 April, 1955

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

The positions given have been checked after listing by Rudolph Dossett, Carto Photo Aid

Ira R. Rubottom *Chief of Party.*

STATE LOUISIANA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	″ D.M. METERS	POSITION LONGITUDE* ° ′	″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTE
DAYBEACON	TAYLORS BAYOU ENTRANCE		29 10	30.82 949.0	91 01	25.20 601.0	NA 1927	Rad.Plot P-9269	1953		X	X	1050 1275
	(Private aid maintained by the Texas Company)												

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

50.

Form T-2

~~16~~ 15

PHOTOGRAMMETRIC OFFICE REVIEW

T-9869

1. Projection and grids J.G. 2. Title J.G. 3. Manuscript numbers J.G. 4. Manuscript size J.G.

5a. Classification (Inf.) unclassified

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy M.M.S. 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) XX 7. Photo hydro stations XX 8. Bench marks J.G.
9. Plotting of sextant fixes XX 10. Photogrammetric plot report J.G. 11. Detail points J.G.

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads XX 28. Buildings J.G. 29. Railroads XX 30. Other cultural features J.G.

BOUNDARIES

31. Boundary lines XX 32. Public land lines J.G.

MISCELLANEOUS

33. Geographic names J.G. 34. Junctions J.G. 35. Legibility of the manuscript J.G. 36. Discrepancy overlay J.G. 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G.

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

Review Report of
Planimetric Map T-9869
November 1958

62. Comparison with Registered Topographic Surveys:

T-1692	1:20000	1886
T-5662	1:20000	1931-35

The main shore is subject to continuous change. It indicates a recession of approximately fifty meters since the last survey of 1931-35. There are also many new canals in the east half of subject area caused by the exploration and development of oil. T-9869 is to supersede above listed topographic surveys of common areas for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

OYSTER BAYOU, La., 1:62500, 1935, Corps of Eng., War Dept.
See differences listed under item No. 62. These apply here also.

64. Comparison with Contemporary Hydrographic Surveys:

None!

65. Comparison with Nautical Charts:

1275	1:80000	Revised to 57 9/16
1050	1:175000	" " 58 5/12

The main shoreline between subject survey and chart 1775 differs somewhat, but not critically. This should be investigated by the Nautical Chart Branch when said chart is being revised. Chart 1050, in consideration of scale difference, seems adequate.

66. Adequacy of Results and Future Surveys:

The revised compilation manuscript from office interpretation only of 1956 photography does not indicate deficiencies in accuracy or adequacy. Shoreline changes of the marshy land area and changes as a result of oil drilling may be expected in future surveys.

Reviewed by
Joseph J. Streiffer
Joseph J. Streiffer

APPROVED BY:

L C Lande
Chief, Review & Drafting Section
Photogrammetry Division

Mal Gaskill
Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry Division 20 July 59

Chief, Coastal Surveys Division

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9869

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
4/2/97	11356	L. Chapman	Before After Verification and Review
			Considered Fully Applied, No Further Correction
			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
			Before After Verification and Review

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.