

9676

Diag. Cht. No. 1116-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-90 Office No. T-9676

LOCALITY

State Louisiana

General locality Gulf Coast

Locality Golden Meadow to Belle Amie

1952-57

CHIEF OF PARTY

E.H.Kirsch, Chief of Field Party

H.C.Applequist, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE July 21, 1959

B-1870-1 (1)

9676

DESCRIPTIVE REPORT - DATA RECORD

T - 9676

Project No. (II): 24200

Quadrangle Name (IV):

Field Office (II): Houma, La.

Chief of Party: E. H. Kirsch

Photogrammetric Office (III): Tampa Fla.

Officer-in-Charge: H. C. Applequist

Instructions dated (II) (III): 5 Sept. 1952  
Supplement I 25 Sept. 1952  
Supplement II 30 Sept. 1952

Copy filed in Division of  
Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000

Oct 1956

Stereoscopic Plotting Instrument Scale (III): Inapplicable

Scale Factor (III): None

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.:

Date:

Date registered (IV):

12/16/58

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

~~Mean Sea Level~~ except as follows:

Elevations shown as (25) refer to mean high water

Elevations shown as (S) refer to sounding datum

i.e., mean low water or mean lower low water

Reference Station (III): SANDAS 1934

Lat.:  $29^{\circ}24'06''$ .716(206.8 M) ✓

Long.:  $90^{\circ}16'26''$ .732(720.7M) ✓

Adjusted  
Unadjusted X

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.

DESCRIPTIVE REPORT - DATA RECORD


PLANIMETRIC

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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): W. M. Reynolds

Date: Feb. 1953

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II): *Elgan T. Jenkins*

Date: *March 1957*

Mean High Water Location (III) (State date and method of location): February 1953  
Air photo compilation

Projection and Grids ruled by (IV): Austin Riley

Date: 28 Aug. 1953

Projection and Grids checked by (IV): H. D. Wolfe

Date: 2 Sept. 1953

Control plotted by (III): R. R. Wagner

Date: 19 Oct. 1954

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

Date: 19 Oct. 1954

Radial Plot of ~~Stereoscopic~~

Date: 15 March 1956

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

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours

Date:

Inapplicable

Date:

Manuscript delineated by (III): R. Dossett

Date: August 1956

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

Date: September 1956

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

Date:

# DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS 9-lens  
MDA U.S. Navy single-lens

## PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
39554	Sept. 29, 1952	10:45	1:20,000	No
39555	" " "	10:46	"	Preceptible
39556	" " "	10:47	"	Tide
MDA 23-29	March 8, 1952		"	
" 23-30	"		"	
" 23-31	"		"	
" 23-32	"		"	
" 23-92	"		"	
" 23-156	"		"	

*Single-lens photography of 1756*  
*56-W-4106 to and incl. 4110 23. October 1956 1:30 pm*  
*4133 " " 4137 " "*  
*4184 " " 4189 " "*  
*4236 " " 4240 " "*

Tide (III)  
No preceptible tide

Ratio of Ranges	Mean Range	Spring Range

Reference Station:  
Subordinate Station:  
Subordinate Station:

Washington Office Review by (IV): *Josef J. Streifler*

Date: *Oct. 1958*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): *64*  
Shoreline (More than 200 meters to opposite shore) (III): *22*

~~Shoreline (Less than 200 meters to opposite shore) (III):~~

Control Leveling - Miles (II): *None*

Number of Triangulation Stations searched for (II): *13* Recovered: *6*

Identified: *7*

Number of BMs searched for (II): *26* Recovered: *11*

Identified: *16\**

Number of Recoverable Photo Stations established (III): *None*

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

Remarks: *\* Established 9*



Summary  
to accompany planimetric map T-9676

T-9676 is one of 18 planimetric maps of project Ph-90 (6090), which includes 19 topographic quadrangles also. The project is located in the State of Louisiana, in the low, marshy area near the Gulf of Mexico between Barataria Bay and Atchafalaya Bay. Subject survey, at the northern edge of the project, covers approximately ten statute miles of Bayou Lafourche and adjacent areas to the east and west.

Said bayou is bordered on both sides and close to by State Highway (No. 308 on east, and No. 1 on west side), traversing from the towns of Golden Meadow northward through Galliano to Belle Amie. The entire population of the area is centered along this main artery as are the cultivated fields of sugar cane. On the somewhat higher ground of the other bayous there are elongated strips of woodland. The balance of the land area is marsh with a few trappers cabins and several fields where oil development is in progress.

This planimetric map was originally compiled in 1956 at the Tampa District Office from Coast Survey nine-lens and U. S. Navy single-lens photography of 1952 and field inspection of 1953. New single-lens photography of 1956 and field edit of 1957 were utilized to apply extensive revisions to the original compilation manuscript. The final reproduction medium to obtain acceptable registration copy is the result of a scribed sheet accomplished at the Tampa District Office. Corrections and additions were applied directly to this reproduction medium during Washington Office Review.

A copy of this planimetric map will be forwarded to the U. S. Geological Survey to aid in the preparation and publication of a new topographic quadrangle at the scale of 1:62500 (as per instructions).

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

Oct. 1958

## 2. AREAL FIELD INSPECTION

The area is all marsh and swamp land except for the arable land along the natural levees of some of the bayous, notably Bayou Lafourche. Bayou Lafourche is a sluggish stream entering the area on the north and flowing across it in a southeasterly direction.

Bayou Lafourche is paralleled on each side by improved State Highways. The highway on the west side is the main route and connects with U. S. Highway 90 several miles to the north.

Galliano and Golden Meadow are two small towns located in the area. Golden Meadow is incorporated, and is the center of the shrimp and oyster industry of the area. The entire population of the area is located in these two towns and along the highways on either side of Bayou Lafourche.

The fishing, petroleum, trapping, and agriculture industries are the chief ones of the area, ranking in importance in the order named. Based on monetary value of investment along the petroleum industry is of far greater importance. However, the majority of the population of the area is dependent upon the fishing industry and its minor supporting branches as a means of livelihood. Most of the trawlers used in the area are built there. The shrimp and oyster catches are processed, in the main, by plants located in and near Golden Meadow. Trapping is highly seasonal, lasting some four months during the winter when entire families move to camps in the marsh to remain the length of the trapping season. Agriculture is almost entirely limited to the cultivation of sugar cane by a few major landowners and sugar companies.

Field inspection was performed on Navy single lens ratio prints MDA-23-029 through MDA-23-032 and nine-lens field prints 39554, 39555, and 39556.

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 February 1953 with no field work being deliberately left for completion surveys. However, constant changes are taking place due to expansion of old oil and gas fields and discovery of new ones throughout the entire area. 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.

Several new wells and new canals since photography date were located directly on the photographs by planetable methods.

### 3. HORIZONTAL CONTROL

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

TT 37L 1932, a Geological Survey Third-Order traverse station was recovered and identified. It is the only station of another agency recovered. CATHOLIC CHURCH STEEPLE (USGS) USE was reported lost.

The following are Coast and Geodetic Survey triangulation stations reported lost: FINIS 1934; LAPIT 1934; GOLDEN MEADOW WHITE SCHOOLHOUSE SPIRE 1934; CHURCH GREEN CUPOLA 1934; GOLDEN MEADOW FALGOUT CAN CO STACK 1934; and GOLDEN MEADOW CAN CO STACK 1934.

Although LAPIT 1934 was reported lost, Reference Mark No. 1 was recovered and identified. Identification is doubtful as this position will depend upon a magnetic azimuth.

### 4. VERTICAL CONTROL

Seventeen Geological Survey Third-Order bench marks were searched for and the following ones recovered: U.S. 3.49 BM; U.S. 3.70 BM; U.S. 3.95 BM; U.S. 4.11 BM; U.S. 4.60 BM; U.S. 4.75 BM; TT 37 L; SAUNDAS (USC&GS); SAUNDAS RM NO 1(USC&GS); SAUNDAS RM NO 2(USC&GS); and LAPIT RM NO 1(USC&GS).

A third-order level line was run from Larose to Grand Isle along the highway passing through the area. Bench marks were set at approximately one mile intervals. The following are marks in this quadrangle: U 155; V 155; LAPIT RM NO 1; W 155; X 155; Y 155; LAF 54 1386/00(USE); Z 155; U.S. 2.78(USGS); C 154 and D 154. No other supplemental vertical control was established.

Elevations of the bench marks listed immediately preceding as inked on the photographs are from a field adjustment and are not the final elevations to be published.

### 5. CONTOURS AND DRAINAGE

Contouring was limited to revision of original Geological Survey contours as shown on the published Lake Felicity Quadrangle of the standard fifteen-minute series. These contours were transferred to Navy single lens photographs by the Washington Office to facilitate field work. The entire area was closely checked for contour revisions at the time of interior field and shoreline inspection. No revision of original contouring was found necessary nor was addition of contours because of cultural changes necessary.

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

Adequately covered by the photographs.

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 shoreline in the remainder of the area, which is all marsh, is the edge of marsh or apparent shoreline. It, too, has been indicated at intervals by symbol.

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

There are none.

9. LANDMARKS AND AIDS

There are no landmarks or aids of any type within the area.

10. BOUNDARIES, MONUMENTS AND LINES

The only boundary in the area is the limits of the incorporated town of Golden Meadow. The legal description of this boundary is contained in "Special Report, Boundaries, Project Ph-90". Two points, which are not monumented, were recovered and identified. They were designated Point A and Point B on Golden Meadow City Limits. Form M-2226-12 was submitted for each.

The following section corner was recovered and identified: Township Corner T18-19S, R21-22E.

All other information and data on Land Lines will be found in "Special Report, Public Land Lines, Project Ph-90".

11. OTHER CONTROL

None was established.

## 12. OTHER INTERIOR FEATURES

All roads and all buildings, except as noted in the following, have been classified in accordance with Part II, Topographic Manual. There are numerous trappers' cabins scattered throughout the marsh area which are landmark features in themselves due to the lack of other cultural features although they are not of substantial construction. They have been indicated by the notation "cabins" on the photographs. It is recommended that they be mapped as Class 1 buildings.

The many canals and oil and gas wells throughout the area compose the remaining interior features.

The vertical clearance of an overhead cable approximately two miles north of Golden Meadow was measured as 95 feet above mean high water. Shore ends of this overhead cable were identified. The crossing is not charted on Chart No. 1050.

There are no airports or landing fields in the area.

Following is a list of bridges in the quadrangle:

<u>Location</u>	<u>Use</u>	<u>Type</u>	<u>Spans</u>	<u>Horizontal Clearance</u>		
				<u>Left</u>	<u>Center</u>	<u>Right</u>
Lafourche, Bayou, La. Galliano, La.	Hwy	Pontoon	1	-	77.0	-
Lafourche, Bayou, La. Golden Meadow, La.	Hwy	Pontoon	1		90.0	

## 13. GEOGRAPHIC NAMES

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

## 14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Letter of Transmittal No. 90-1, Third-Order Level Line data, forwarded to Washington Office 22 December 1952.

Letter of Transmittal No. 90-7, "Special Report, Public Land Lines, Project Ph-90", to be forwarded at a later 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", to be forwarded to Washington Office at a later date.

Letter of Transmittal, Public Land Lines data, forwarded to Washington Office 28 January 1953.

Map, Gas Line, Golden Meadow to Bayou St. Denis, The Texas Company,  
No. 130633.

Map, Clovelly Field, Humble Oil & Refining Company.

Letter of Transmittal No. 90-3, Data, Quadrangle T-9676, forwarded  
to Washington Office 16 April 1953.

Submitted  
14 April 1953

*William M. Reynolds*  
William M. Reynolds  
Cartographic Survey Aid

Approved & Forwarded  
16 April 1953

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

SCALE FACTOR

1 FT. = 3048006 METER	B. Wilson	10/21/53	J. Steinberg	10/21/53	COMM. DC-57R43
COMPUTED BY:		DATE	CHECKED BY:	DATE	

COMPILATION REPORT-T-9676PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9865.

31. DELINEATION

The graphic method was used. Only one of the 9-lens photographs 39554 was of good scale. It was used for the delineation of most of the detail along Bayou Lafourche. The single-lens photographs (U.S.Navy MDA) were of good scale but poor visibility, and there is a possibility that some of the buildings may have not been mapped. The field inspection was adequate with respect to the inspector's instructions.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Reference Item 5. The drainage was delineated as shown on the photographs and according to field inspection notes.

35. SHORELINE AND ALONGSHORE DETAILS

Shown according to photographic interpretation and field inspection notes. Shoreline inspection was adequate. Reference Item 7 relative to MLW line.

36. OFFSHORE DETAILS

No statement necessary.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

A satisfactory junction has been secured with T-9675 on the east; T-9677 on the west and T-9865 on the south. There is no contemporary Survey on the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES AND BOUNDARIES

The basic survey for the land lines applied is from a survey by T. Baker Smith, which includes the western portions of Townships 18S and 19S, R 21E. This survey has included all four sides of T21S, R21E, with sections 36, 32, 53, and 54 in the NW corner. This base was used to apply the remainder of the land lines. The results were good and a satisfactory junction was obtained with adjoining map manuscripts. Natural features held reasonably good and it is believed that the land lines, while approximate in part, are as nearly correct as could be expected.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with Air Photo Compilation T-5296, scale 1:20,000, compiled from photographs of 1932, also USGS 15-minute quadrangle LAKE FELICITY, LA. scale 1:62,500, surveyed in 1939.

Very little difference was noted in the general shoreline or topography. The addition of dredged canals, particularly in the proximity of Golden Meadow as approaches to oil wells were the principle discrepancies noted.

47. COMPARISON WITH NAUTICAL CHARTS

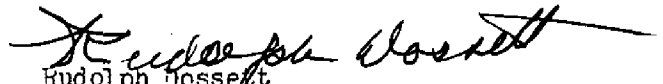
A comparison has been made with USC&GS Nautical Chart No. 1050, scale 1:175,000, published in October 1939, corrected to 26 June 1953. Due to the large differences in scale very little comparison of small details can be made. No outstanding discrepancies were noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

  
Rudolph Dossett  
Carto Photo Aid.

Approved and forwarded  
William A. Rasore  
for H. C. Applequist  
Chief of Party.



T-9676.

Geographic Names.

Bayou Blue  
Bayou Bouillon  
Bayou Faleau  
Bayou Lafourche  
Bayou Monnaie  
Bayou Raphael  
Bayou l'Ours  
Belle Amie  
Breton Canal

Catfish Lake

Cheremie Cemetery (It is believed that Cherami would be preferable) ✓  
Faleau

GallianoGolden MeadowGrand Bayou

Grand Bayou Blue (this is the name from  
 the junction with Bayou Blue,  
 just north of Faleau).

Hebert CemeteryLafourche LodgeLafourche ParishLake CheniereLouisianaSaint Joseph Church~~Exot~~ Valere Guidry School (Abandoned)Wm Petre SchoolYankee Canal

The new Lafourche Parish Highway Map and the latest State Highway Map  
 both show Route No. 1 along the west bank of Bayou Lafourche, and  
 No. 308 on the east bank (instead of the No. 77 on the manuscript).

Names approved 11-28-56

L. Heck

L.H.

50.

# PHOTOGRAMMETRIC OFFICE REVIEW

T. 9676

1. Projection and grids J.G. 2. Title J.G. 3. Manuscript numbers J.G. 4. Manuscript size J.G.  
unclassified  
4a. Classification label \_\_\_\_\_

## 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) YY 7. Photo hydro stations YY 8. Bench marks J.G. 9. Plotting of sextant fixes X.X. 10. Photogrammetric plot report J.G. 11. Detail points J.G.

## ALONGSHORE AREAS

(Nautical Chart Data)

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

## PHYSICAL FEATURES

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

## CULTURAL FEATURES

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

## BOUNDARIES

31. Boundary lines J.G. 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. Gile William A. Rasure

Jesse A. Gile Reviewer

Supervisor, Review Section or Unit William A. Rasure

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  
MAP T-9676

51. METHODS

Field edit was done in accordance with standard accepted practice and instructions as modified by:

(a) Bureau letter 711-lmh to Tampa District Office, subject: Field Edit-Project 24200 (Ph-90), Topographic and planimetric maps-Louisiana Coast, dated 2 January 1957.

(b) Bureau letter 711-lmh to Tampa District Office, subject: Location of Oil Wells-Project 24200 (Ph-90), dated 20 January 1957.

(c) Bureau letter 73-dmm to Chief, Photogrammetric Party No.1, subject: Field Edit-Project 24200 (Ph-90), Louisiana, dated 20 February 1957.

All features, mapped or to be mapped, along roads, were inspected by riding over all roads and by utilizing local information where necessary.

Additions and corrections have been noted or delineated on the 1956 photography with red ink and are cross referenced on the field edit sheet. All deletions were made with green ink directly on the field edit sheet.

A legend on the field edit sheet, the discrepancy print and the photographs explains the color inks used.

Field edit information is shown on one (1) field edit sheet, one (1) discrepancy print and five (5) photographs numbered as follows: 56-w-4108, -4135, -4187, -4188 and -4237.

52. ADEQUACY OF COMPILATION

The map will be fully adequate with the application of the field edit data and the other identifiable features of the photographs.

53. MAP ACCURACY

No tests of any type, for horizontal accuracy, were conducted for this map.

54. RECOMMENDATIONS

It is recommended that oil field areas be treated as stated in letter 711-lmh, dated 2 January 1957 to Tampa District Office.

The oil fields in this area have many small temporary pipe lines and many new wells. Also some wells that were producing at the time of the original field work have been abandoned and the machinery moved. It is believed that if the approximate field limits are shown, anyone using a map of this scale would expect to find numerous pipe lines in the area, but would not expect such small detail to be mapped.

55. EXAMINATION OF PROOF COPY

Mr. L. P. Broussard, a civil engineer with the Gulf Oil Corporation, P. O. Box 38, Cut Off, Louisiana is a local resident with a good knowledge of the area. He has agreed to examine a proof copy of the map.

56. Paragraph 1 of Item 2, Field Inspection Report erroneously states the area as being all marsh and swamp except for the area of arable land along the natural levees of some of the bayous. There are some other small areas that are composed of slightly higher ground supporting trees and these areas are correctly shown on the map.

57. A new steel water tank has been constructed at the approximate position of latitude 29 degrees - 25.4 minutes and longitude 90 degrees - 17.6 minutes. Form 567 is being submitted for this landmark tank.

Submitted 14 March 1957

*Elgan T. Jenkins*  
Elgan T. Jenkins  
Cartographer

Approved:

*Ira R. Rubottom*  
Ira R. Rubottom  
Chief of Party

Review Report of  
Planimetric Map T-9676  
October 1958

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

T-5296                      1:20000                      1934

Subject area has undergone considerable changes in more than twenty years all along traversing Bayou Lafourche. There are also many newly dredged canals shown on recent survey to supercede above-listed registered topographic survey for common areas for nautical charting purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

LAKE FELICITY, LA., 1:62500, Ed. of 1944, U. S. Geological Survey  
There are sufficient changes in this area for the U. S. Geological Survey's consideration for the publication of a new series of topographic quadrangles. Subject survey, among other planimetric maps of this project, will be forwarded to that agency for such purpose.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

None

65. COMPARISON WITH NAUTICAL CHARTS:

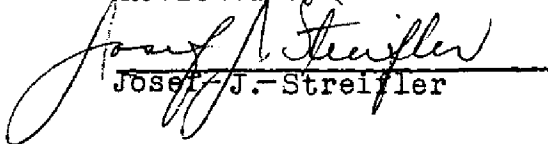
1050                      1:175000                      Revised to 58      5/12

Basic information is in good agreement. Several areas of smaller canals recently dredged for access and transportation of oil do not appear on the nautical chart. This information is not critical to a chart of such small scale.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

Subject planimetric map appears well within standard requirements for accuracy and adequacy.

Reviewed by:

  
Josef J. Streifler

APPROVED BY:



Chief, Review & Drafting Section  
Photogrammetry Division



Chief, Nautical Chart Branch  
Charts Division



Chief, Photogrammetry Division

13 July 1959



Chief, Coastal Surveys Division



## NAUTICAL CHARTS BRANCH

SURVEY NO. T-9676

## 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.