

9807

Diag. Cht. Nos. 1275-2 & Insert & 1276-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-90 Office No. T-9807

LOCALITY

State Louisiana

General locality Fourleague Bay

Locality Bay Castagnier to South Point

194 52-56

CHIEF OF PARTY

E.H.Kirsch, Chief of Field Party

I.R.Rubottom, Pampa Photo. Office

LIBRARY & ARCHIVES

DATE July 31, 1959

9807

DATA RECORD

T - 9807

Project No. (II): **Ph-90**

Quadrangle Name (IV):

Field Office (II): **Houma, La.**

Chief of Party: **B. H. Kirsch**

Photogrammetric Office (III): **Tampa, Fla.**

Officer-in-Charge: **Ira R. Rubottom**

Instructions dated (II) (III): **5 Sept. 1952**

Copy filed in Division of
Photogrammetry (IV)

Supplement No. 1 25 Sept. 1952

" No. 2 30 Sept. 1952

Method of Compilation (III): **Graphic**

Manuscript Scale (III): **1:20,000**

Stereoscopic Plotting Instrument Scale (III): **Inapplicable**

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): **N. A. 1927**

Vertical Datum (III): **M.H.W.**

~~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): **AMOS, 1928**

Lat.: **29°16'57.865" (1781.5m.)**

Long.: **91°12'08.723" (235.5m.)**

Adjusted
~~Unadjusted~~

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.

PLANIMETRIC

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

DATA RECORD

Field Inspection by (II): **W. M. Reynolds**
B. P. Lampton, Jr.
I. Y. Fitzgerald

Date: **Jan. & May 1953**

Planetable contouring by (II): **Inapplicable**

Date:

Completion Surveys by (II):

none!

Date:

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

Sept. 1952
Air Photo Compilation

Projection and Grids ruled by (IV): **Austin Riley (W.O.)**

Date: **31 Aug. 1953**

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

Date: **4 Sep. 1953**

Control plotted by (III): **J. Steinberg**

Date: **3 Dec. 1953**

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

Date: **14 Sep. 1954**

Radial Plot or ~~Stereoscopic~~

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

Date: **5 Jan. 1954**

Planimetry

Stereoscopic Instrument compilation (III): **Inapplicable**

Date:

Contours

Date:

Manuscript delineated by (III): **R. Dossett**

Date: **18 May, 1955**

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

Date: **25 May 1955**

Elevations on Manuscript

checked by (I) (III): **Inapplicable**

Date:

Camera (kind or source) (III): **U.S.C. & G.S. Nine-lens, 8-1/4" focal length**

Number	Date	Time	Scale	Stage of Tide
39605	29 Sept. 1952	1156	1:20,000	+ 1.2
39606	"	1157	"	+ 1.2
39607	"	1158	"	+ 1.2
39571	"	1110	"	+ 1.3
39572	"	1111	"	+ 1.3
39573	"	1112	"	+ 1.3

Photography of 1956:
 56-L-481 to and incl. 488 23 October 1956 1:20,000 (infra-red)
 56-O-848 " " 855 " 1:20,000
 56-W-4266 " " 4270 " 1:30,000
 56-W-4468 " " 4471 24 October 1956 1:30,000
 56-W-4553 " " 4557 " 1:30,000
 56-W-4570 " " 4574 " 1:30,000

Tide (III)

(Predicted)

Reference Station: **Galveston**
 Subordinate Station: **Eugene 1, Atchafalaya Bay**
 Subordinate Station:

Ratio of Ranges	Mean Range	Diurnal Range
	1.0	1.4
1.1	1.1	1.9

Washington Office Review by (IV):

J. J. Streifler

Date:

July 1958

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **37**
 Shoreline (More than 200 meters to opposite shore) (III): **32**
~~Shoreline (Less than 200 meters to opposite shore) (III):~~
 Control Leveling - Miles (II): **None**
 Number of Triangulation Stations searched for (II): **8**
 Number of BMs searched for (II): **5**
 Number of Recoverable Photo Stations established (III): **0**
 Number of Temporary Photo Hydro Stations established (III): **0**

Recovered: **6** Identified: **7 ***
 Recovered: **5** Identified: **0**

Remarks: * one station Recovered as "Destroyed" was considered accurate enough for the Photogrammetric Plot and was identified.
Tampa.

Summary
to accompany planimetric map T-9807

T-9807 is one of a group of planimetric maps of project Ph-90 (6090), which includes a number of topographic surveys also. Almost all of Fourleague Bay and the western portion of Point au Fer Island are covered by this survey--near Atchafalaya Bay on the Gulf of Mexico in the State of Louisiana.

The land area is typical of this marshy region, below the elevation of 5 feet, and its shoreline subject to change because of erosion. Limited activity of oil drilling is responsible for some man-made changes in canals. There are no roads within the limits of this quad and any of the few cabins are accessible by boat only.

Along with other quadrangles of this project, subject survey was compiled graphically at the Tampa District Office in 1955 from 1952 nine-lens photography and 1953 field inspection. Readily apparent changes on single-lens photography (with one strip of infra-red pictures) of 1956 were applied to the original compilation manuscript at the Tampa Office in 1957 by office interpretation only. The final reproduction medium for registration copy as submitted by the field office is the result of an adequately scribed sheet. A copy of the completed quad with the latest planimetry will be submitted to the U. S. Geological Survey as part of a new publication at the scale of 1:62500 by that agency (see instructions 30 Sept. 1952).

A cronar film positive at compilation manuscript scale of 1:20,000 and the Descriptive Report will be registered and filed in the Bureau Archives.

July 1958

2. AREAL FIELD INSPECTION

The area is composed of Fourleague Bay, the adjacent marsh areas and numerous bayous and lakes.

See Item 2, Field Inspection Report, Quadrangle T-9859() for a description of the area.

An oil field, Humble Oil and Refining Company's Fourleague Bay Field, located at the mouth of Big Carrion Crow Bayou consisted of two wells, both drilled in canals dredged into the marsh.

Field inspection is believed complete and was performed on the following photographs: 39571, 39572, 39605, 39606 and 39607.

3. HORIZONTAL CONTROL

All control was searched for and where recovered was identified.

LOOKOUT TOWER 1933 was reported lost.

All control was by this bureau and no supplemental control was established.

4. VERTICAL CONTROL

Three tidal bench marks of this bureau were recovered, JUNCTION OF BLUE HAMMOCK BAYOU AND FOUR LEAGUE BAY TIDAL BENCH MARKS 1, 2 and 3. Bench Mark 3 was identified.

No supplemental control was established.

5. CONTOURS AND DRAINAGE

Contouring was limited to the revision of contours as shown on the published Lake Decade Quadrangle by the Corps of Engineers. The entire area is below the contour interval and no revision was necessary.

6. WOODLAND COVER

There is none.

7. SHORELINE AND ALONGSHORE FEATURES

The mean high water line is all apparent shoreline, or edge of marsh. The shoreline has been indicated, by symbol, at intervals to aid the compiler.

Tidal action is chiefly by winds rather than periodic and the low water line is synonymous with the mean high water line.

There are no docks, wharves, piers, etc. within the area.

There are no submarine cables.

8. OFFSHORE FEATURES

There are none.

9. LANDMARKS AND AIDS

There are no landmarks for nautical charts.

There are no aeronautical aids.

The fixed aids to navigation marking the channel across Fourleague Bay were located by triangulation methods from the following triangulation stations: HAMMOCK 1928, LAST 1933, DUFFY 1933 and AMOS 1928.

All aids were not visible from station AMOS 1928 and a three-point fix was observed from the previously mentioned triangulation stations. This fix was used in lieu of station AMOS 1928 for the aids not visible from AMOS 1928. Methods used and resulting side checks do not conform with third-order requirements. Positions were computed but are listed on Forms 567 only. Computation forms and observing records were submitted.

10. BOUNDARIES, MONUMENTS AND LINES

See "Special Report, Boundaries, Project Ph-90" for political boundary information.

For land lines data, see "Special Report, Public Land Lines, Project Ph-90."

11. OTHER CONTROL

Mosquito Point Light and Oyster Bayou Inner End Light were located as described in Item 9. Forms 524 were submitted for these two aids but not for the 24 daybeacons marking this channel.

In addition to the above, Forms 524 are submitted for 8 recoverable topographic stations established in 1935.

12. OTHER INTERIOR FEATURES

There are no roads. The only buildings are camps used seasonally by trappers. These have been labeled "cabins" on the photographs and should be mapped as Class 1 buildings for their landmark value.

There are no bridges or cables over navigable waters.

There are no airports or landing fields.

13. GEOGRAPHIC NAMES

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

14. SPECIAL REPORT AND SUPPLEMENTAL DATA

Letter of Transmittal No. 90-5, Forms 567, to be forwarded to 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 the Washington Office 29 April 1953.

Letter of Transmittal dated 28 January 1953, Land Lines 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. 90-44, Data, Quadrangle T-9807(), forwarded to Washington Office MAY 21 1953

Submitted
20 May 1953

William M. Reynolds
William M. Reynolds
Cartographic Survey Aid

Approved & Forwarded

MAY 21 1953

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

COMPILATION REPORT T-9807

PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-9672.

31. DELINEATION.

The graphic method was used. The scale of the photographs was reasonably good except for a slight tilt. Field inspection was adequate.

32. CONTROL.

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA.

None used.

34. CONTOURS AND DRAINAGE.

Reference Item 5.

Drainage photographically interpreted.

35. SHORELINE AND ALONGSHORE DETAILS

Reference Item 7.

36. OFFSHORE DETAILS

None noted.

37. LANDMARKS AND AIDS.

Reference Item 9.

The fixed aids to navigation have been shown as submitted by field inspection.

38. CONTROL FOR FUTURE SURVEYS.

Forms 524 for eight (8) recoverable topographic stations, established in 1935, have been submitted, reporting them destroyed.

Two (2) Forms 524 for fixed aids to navigation are being submitted. They have been listed under Item 49.

39. JUNCTIONS.

A satisfactory junction has been made with T-9806 on the west, T-9868 on the south, T-9859 on the east and T-9032 (Ph-21) on the north.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

41. BOUNDARIES.

Reference Item 41 of Compilation Report of T-9806.

42. PUBLIC LAND LINES.

Reference Item 42 of Compilation Report of T-9806.

46. COMPARISON WITH EXISTING MAPS.

A comparison has been made with Planimetric Map T-5389, scale 1:20,000, compiled in 1931, and with the U. S. Corps of Engineers 15-minute Quadrangle "LAKE DECADE", scale 1:62,500, compiled in 1931, revised in 1932-35 by Miss. River Com.

With the exception of shoreline changes due to erosion and dredged oil company canals, no outstanding changes were noted.

47. COMPARISON WITH NAUTICAL CHARTS.

A comparison has been made with Nautical Chart No. 1275, scale 1:80,000, published May 1938, bearing a print date of 17 July 1953. The same differences noted under Item 46 apply.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

SCALE FACTOR

1 FT. = 3048006 METERS

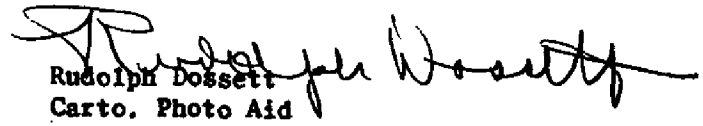
CHECKED BY: J. Steinberg

DATE 10/22/53

三

ITEMS TO BE CARRIED FORWARD.

None.


Rudolph Dossett
Carto. Photo Aid

APPROVED AND FORWARDED.

H. C. Applegate
for:
Ira R. Rubottom, Chief of Party

T-9807.Geographic Names.Alligator Bayou ✓
Atchafalaya Bay ✓Bay Castagnier ✓
Big Carrion Crow Bayou ✓
Blue Hammock Bayou ✓Fourleague Bay ✓Little Mosquito Bayou ✓
Little Mosquito Pass ✓
Louisiana ✓Mosquito Bay ✓
Mosquito Bayou ✓
Mosquito Island ✓
Mosquito Pass ✓
Mosquito Point ✓Point au Fer Island ✓Saint Mary Parish ✓
Shell Point
South Point ✓Terrebonne Parish ✓Wildcat Bayou ✓Names approved 11-27-56
L. Heck

49. NOTES FOR THE HYDROGRAPHER.

There are two (2) recoverable topographic stations:

MOSQUITO POINT LIGHT, 1953

OYSTER BAYOU, INNER END LIGHT, 1953

PHOTOGRAMMETRIC REVIEW BRANCH

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

100-100000

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED

STRIKE OUT ONE

FORBIDDEN FRINGE

Tuna Photometric Office, Tuna, Fla., 18 Mar. 1935

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

The positions given have been checked after listing by

Hudoljub Dessett

JOE R. PROCTOR
Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	INSTRUMENT	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE		DATUM							
				°	'	°	'								
									D. M. METERS						
LOUISIANA	FOURMAGUE BAY														
	DAYBEACON 1	Black, rectangular daymark and pointer on pile.		29	15	17.164	91	08	03.483	N.A.	1927	Theod. T-9807	1953	X	1275
						528.4			04.5					X	1050
	DAYBEACON 3	" " "		29	15	16.910			05.483					X	"
						828.5	91	08	148.0					X	"
LOUISIANA	OSTER BAYOU INNER END														
	LIGHT	Black post on triangular structure on pile		29	15	39.586	91	08	07.675						
						1188.0			207.2					X	"
	DAYBEACON 5	Black rectangular daymark and pointer on pile		29	15	48.216	91	08	10.258					X	"
						1484.5	91	08	276.9					X	"
						58.131			12.930						
	" 7	" " "		29	15	1789.7	91	08	349.1					X	"
						07.908			15.543						
	" 9	" " "		29	16	243.5	91	08	419.6					X	"
						29.330			21.029						
LOUISIANA	" 13	" " "		29	16	872.2	91	08	567.7					X	"
						37.609			23.558						
	" 15	" " "		29	16	1157.9	91	08	635.9					X	"
						47.577			26.252						
	" 17	" " "		29	16	1464.8	91	08	702.6					X	"
						57.391			28.863						
	" 19	" " "		29	16	1763.9	91	08	779.1					X	"
						07.019			31.463						
	" 21	" " "		29	17	216.1	91	08	849.3					X	"
						16.730			34.089						
LOUISIANA	" 23	" " "		29	17	515.1	91	08	920.1					X	"

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating*

Summary: *Staphylococcus aureus* is the most common cause of nosocomial infection. It is a gram-positive, spherical bacterium that is highly resistant to many antibiotics. It is often found in the nasal cavity of healthy carriers and can be transmitted to patients in the hospital setting. The bacterium is capable of forming a biofilm, which allows it to adhere to medical devices and resist treatment. Infection can occur through direct contact with the bacteria or through contaminated medical equipment. Symptoms of infection include fever, redness, swelling, and pain at the site of infection. Treatment typically involves the use of antibiotics, but the effectiveness of these drugs is often limited by the bacterium's resistance. Prevention of infection involves strict adherence to infection control protocols, including hand hygiene and proper use of medical equipment.

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

NONFLOATING AIDS OR ~~LANDMARKS~~ FOR CHARTS

Tampa Photogrammetric Office, Tampa, Fla. 18 Mar. 1955

I recommend that the following objects which have ~~(none)~~ 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

Ludolph Bonsett

Ira G. Subotton Chief of Party.

CHARTING NAME	STATE	LOUISIANA	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
					LATITUDE *		LONGITUDE *		DATUM						
					D. M. METERS		D. P. METERS								
					°	'	°	'							
			OUTER BAYOU INNER END (CONTD.)												
BAYBACON 25			Black rectangular buoy and pointer on pile		29 17	36.519	91 08	36.730	N.A.	1927	1953	X		1275	
"			"		29 17	35.832	91 08	39.239	"	"	"	X		1090	
"			"		29 17	45.933	91 08	41.951	"	"	"	X		"	
"			"		29 17	44.422	91 08	41.323	"	"	"	X		"	
"			"		29 17	55.754	91 08	44.600	"	"	"	X		"	
"			"		29 17	1718.6	91 08	1203.7	"	"	"	X		"	
"			"		29 18	05.741	91 08	47.283	"	"	"	X		"	
"			"		29 18	176.8	91 08	1270.1	"	"	"	X		"	
"			"		29 18	15.740	91 08	49.973	"	"	"	X		"	
"			"		29 18	484.6	91 08	1345.7	"	"	"	X		"	
"			"		29 18	25.470	91 08	52.609	"	"	"	X		"	
"			"		29 18	784.2	91 08	1419.7	"	"	"	X		"	
"			"		29 18	35.367	91 08	53.295	"	"	"	X		"	
"			"		29 18	1088.9	91 08	1492.2	"	"	"	X		"	
"			"		29 18	45.161	91 08	57.946	"	"	"	X		"	
"			"		29 18	1390.4	91 08	1563.7	"	"	"	X		"	
"			"		29 18	54.961	91 09	60.618	"	"	"	X		"	
"			"		29 18	1692.1	91 09	16.7	"	"	"	X		"	
"			"		29 19	04.919	91 09	63.263	"	"	"	X		"	
"			"		29 19	151.4	91 09	60.0	"	"	"	X		"	
"			"		29 19	14.745	91 09	63.944	"	"	"	X		"	
"			"		29 19	454.0	91 09	162.4	"	"	"	X		"	
"			"		29 19	24.299	91 09	68.512	"	"	"	X		"	
"			"		29 19	748.1	91 09	229.7	"	"	"	X		"	

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation as determined shall be reported on this form. The data should be considered for the charts of the area and not by

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9807

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

Unclassified

4a. Classification label Unclassified

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 hydro stations XX 8. Bench marks JG 9. Plotting of sextant fixes XX 10. Photogrammetric plot report JG 11. Detail points JG

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline JG 13. Low-water line XX 14. Rocks, shoals, etc. XX 15. Bridges XX 16. Aids to navigation JG 17. Landmarks XX 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 XX 23. Stereoscopic instrument contours XX 24. Contours in general XX 25. Spot elevations XX 26. Other physical features JG

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines JG 32. Public land lines JG

MISCELLANEOUS

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

40. Jesse A. Giles
Jesse A. Giles Reviewer

William A. Rasure
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:

M-2623-12

Review Report of
Planimetric Map T-9807
July 1958

62. Comparison with Registered Topographic Surveys:

T-2943	1:20,000	1909
T-5662	1:20,000	1931-35
T-5389	1:20,000	1934
T-6323b	1:20,000	1935

The shoreline of subject area, which is all marsh, is subject to continual change. The last survey is over twenty years old and considerable changes were noted. T-9807 is to supersede above-listed registered topographic surveys for nautical charting purposes for common areas.

63. Comparison with Maps of Other Agencies:

LAKE DECADE, LA., 1:62500, 1936, Corps of Engineers, U. S. Army. This quadrangle discloses similar differences as topographic surveys of that period listed under item 62.

64. Comparison with Contemporary Hydrographic Surveys:

None!

65. Comparison with Nautical Charts:

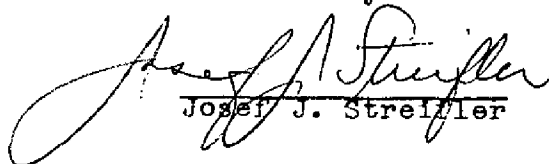
1275	1:80,000	Revised to 57 9/16
1276	1:80,000	Revised to 57 11/11
1050	1:175000	Revised to 58 5/12

With the exception of two additional canals appearing in the northeast portion of subject survey and not on nautical charts 1275 and 1276, there is good agreement between these two. The scale of nautical chart 1050 does not permit changing of all detailing, however, some of the major changes and additions may be considered prior to future reprinting of this chart.

66. Adequacy of Results and Future Surveys:

Results of later photography (1956 single-lens) were added to the original compilation manuscript without benefit of additional field inspection or completion survey. Numerous changes clearly indicated on the photography warranted such application and no deficiencies in accuracy or adequacy were found.

Reviewed by


Joseph J. Streifler

APPROVED BY:

L. C. Hande
Chief, Review & Drafting Sec.
Photogrammetry Division

L. W. Krauss
Chief, Photogrammetry Div.

23 July '59

Max S. R. Latta
Chief, Nautical Chart Branch
Charts Division

J. J. Snull
Chief, Coastal Surveys Div.

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9807

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.