9657

ORIGINAL

Diag. Cht. No. 1268-2.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. Ph-89 Office No. T-9657

LOCALITY

State LOUISIANA

General locality LAKE BORGNE

Locality MALHEUREUX POINT

1955

CHIEF OF PARTY

P. L. Bernstein, Chief of Field Party

Ira R. Rubottom, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE

COMM-DC 61300

9657

SUMMARY TO ACCOMPANY TOPOGRAPHIC MAP

This topographic map is one of 17 similar maps of Project PH-89. It covers a portion of Louisiana from Mississippi Sound south to Breton Sound.

Project PH-89 is a graphic compilation project. Field work in advance of compilation included the establishment of some additional control, complete field inspection, the delineation of 5 foot contours directly on the nine-lens photographs by planetable methods, and the investigation of geographic names and political boundaries.

Since almost all the terrain was marsh, only 3 of the maps on PH-89 were field edited. They are T-9660, T-9665, T-9667. All were compiled at the scale of 1:20,000, using nine-lens photographs taken in 1952. Newer 6W camera photographs taken in 1955 were used to revise delineation where necessary. There were few such cases.

With the addition of hydrographic data these maps will be forwarded to the Geological Survey for publication as standard 7½ minute quadrangles.

Items registered under each map number will include a Cronar film positive and a descriptive report.

DATA RECORD

T-9657

Project No. (II): Ph-89 Quadrangle Name (IV): MALHEUREUX POINT

Field Office (II): New Orleans, La. Chief of Party: P.L.Bernstein

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

Instructions dated (II) (III): 11 April 1952 Copy filed in Division of Photogrammetry (IV)

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): JUL -6 1955 Date reported to Nautical Chart Branch (IV): JUL 21 1955

Applied to Chart No. Date: Date registered (IV): 16 Feb 1958

Publication Scale (IV): 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): BLIND 1934

Lat.: 30° 02' 46.113" (1419.9m.) Long.: 89° 25' 16.625" (445.4m.) Adjusted ~~Unadjusted~~

Plane Coordinates (IV): State: Zone:

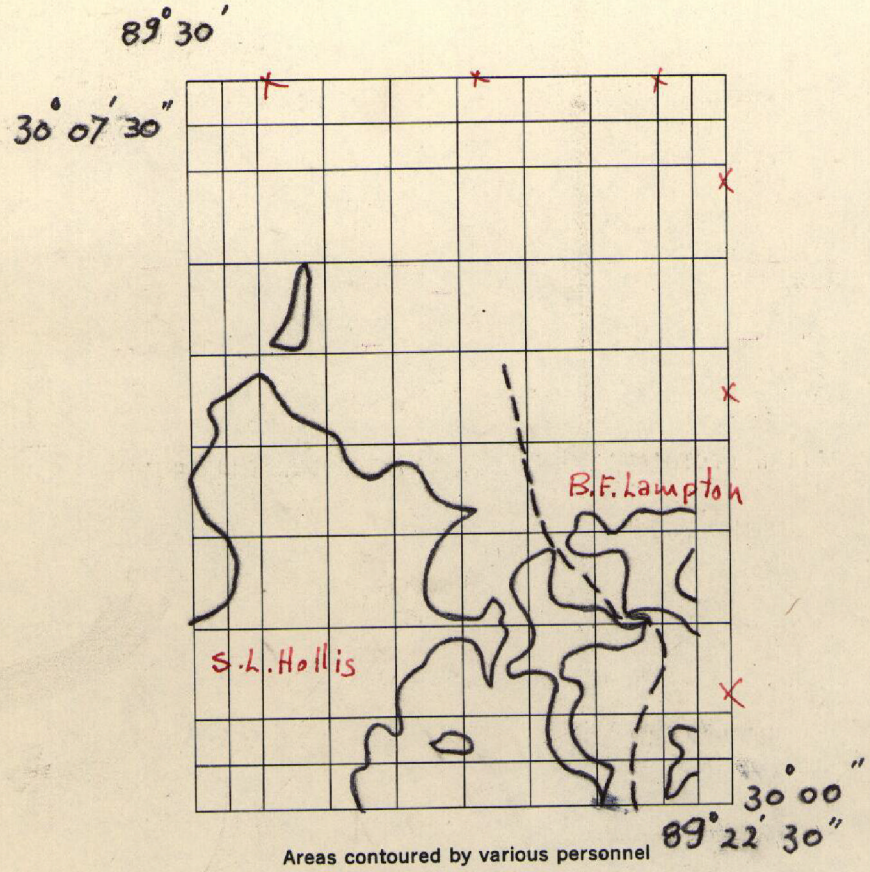
Y= X=

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.

M-2618-12(4)

T-9657



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

M-2618-12 (4)

DATA RECORD

Field Inspection by (II): S.L.Hollis, Jr.
B.F.Lampton, Jr.
Date: June, Aug. 1952

Planetable contouring by (II): S.L.Hollis, Jr.
B.F.Lampton, Jr.
Date: Aug. 1952

Completion Surveys by (II): See Review Report Item 66
Date:

Mean High Water Location (III) (State date and method of location): August 1952
Air Photo Compilation

Projection and Grids ruled by (IV): Joan Thuma (W.O.)
Date: 17 June 1953

Projection and Grids checked by (IV): H. D. Wolfe (W.O.)
Date: 17 June 1953

Control plotted by (III): I. I. Saperstein
Date: 7 Aug. 1953

Control checked by (III): R. J. Pate
Date: 7 Aug. 1953

Radial Plot ~~or Stereoscopic Control extension~~ by (III): M. M. Slavney
Date: 21 May 1954

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

Manuscript delineated by (III): R. A. Reece
Date: 3 May 1955

Photogrammetric Office Review by (III): J. A. Giles
Date: 4 May 1955

Elevations on Manuscript checked by (II) (III): J. A. Giles
Date: 4 May 1955

M-2618-12(4)

Camera (kind or source) (III): USC&GS Nine-lens Camera 8.25" focal length

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
35272	27 Feb. 1952	10:38	1:20,000	0.3
35273	"	10:39	"	"
35274	"	10:40	"	"
35275	"	10:40	"	"
35276	"	10:40	"	"
35300	"	11:11	"	"
35301	"	11:11	"	"
35302	"	11:12	"	"

Tide (III)

From predicted tides

Diurnal

Ratio of Ranges	Mean Range	~~Spring~~ Range
0.8		1.0

Reference Station: PENSACOLA, FLORIDA

Subordinate Station: LONG POINT, LAKE BORGNE, LA.

Subordinate Station:

Washington Office Review by (IV): A.K. Hagwood Date: SEPT 13, 1957

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 21

Shoreline (More than 200 meters to opposite shore) (III): 41

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

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): 3 Recovered: 2 Identified: 2

Number of BMs searched for (II): None Recovered: - Identified: -

Number of Recoverable Photo Stations established (III): 1

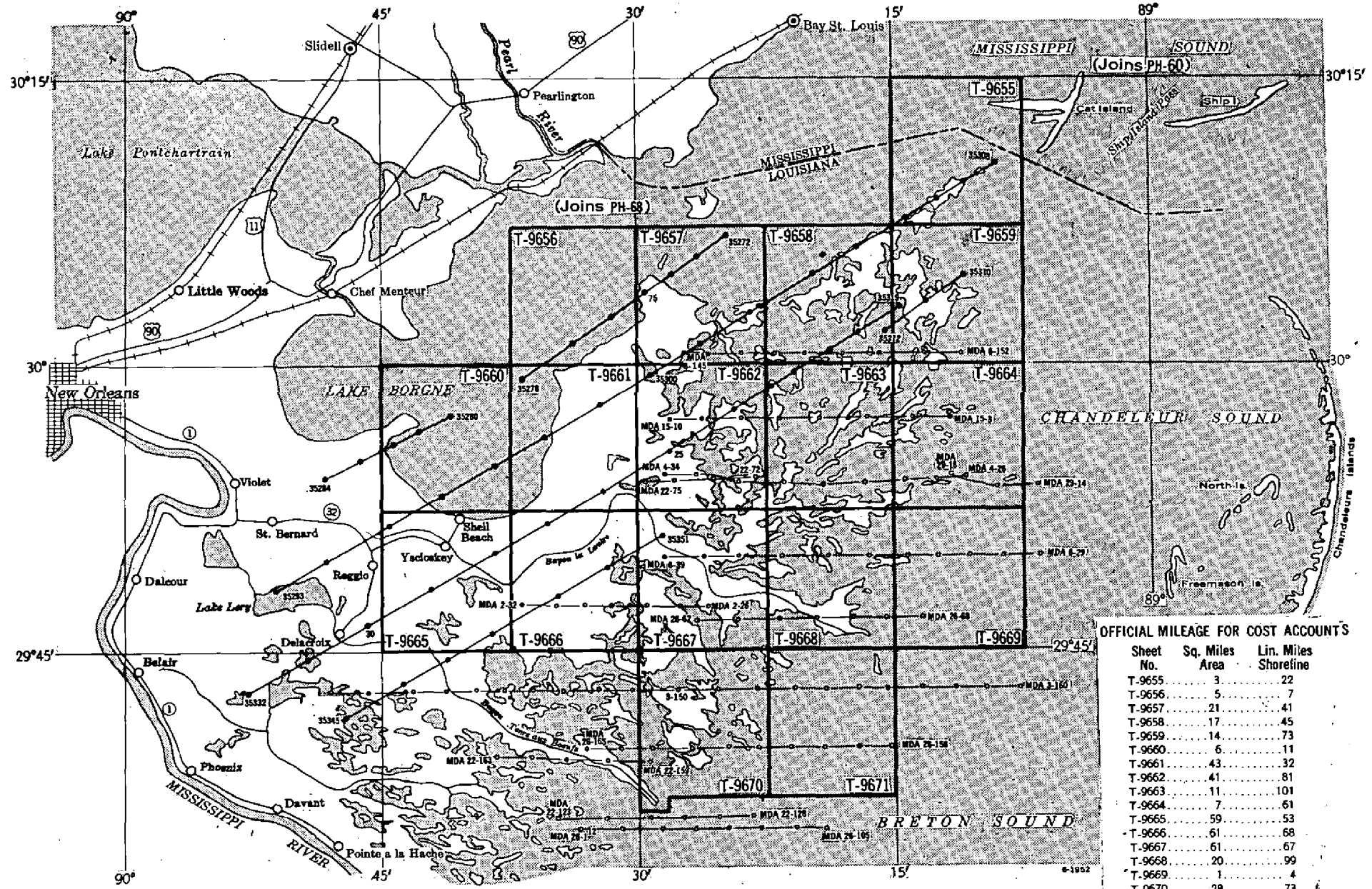
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

TOPOGRAPHIC MAPPING PROJECT 24190

LOUISIANA, Mississippi Sound to Breton Sound

(Refer to Air-Photo Indexes 110-E and 119-G)



Compiled by the U.S. Coast and Geodetic Survey at scale of 1:20,000 from Nine-lens photographs taken February 1952 and by U.S. Navy Single-lens photographs, scale

Nine-lens photographs

Single-lens photographs

OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	Sq. Miles Area	Lin. Miles Shoreline
T-9655	3	22
T-9656	5	7
T-9657	21	41
T-9658	17	45
T-9659	14	73
T-9660	6	11
T-9661	43	32
T-9662	41	81
T-9663	11	101
T-9664	7	61
T-9665	59	53
T-9666	61	68
T-9667	61	67
T-9668	20	99
T-9669	1	4
T-9670	28	73
T-9671	2	14
TOTALS	400	852

9. LANDMARKS AND AIDS

There are no landmarks in the area. NINEMILE BAYOU ENTRANCE LIGHT was identified on the photograph and pricked direct.

10. BOUNDARIES, MONUMENTS, AND LINES

See Field Inspection Report, Quadrangle T-9659( ).

11. OTHER CONTROL

No other control was established.

12. OTHER INTERIOR FEATURES

There are two cabins in the quadrangle.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project Ph-89".

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

See Field Inspection Report, Quadrangle T-9659( ).

Submitted
8 September 1952

Steven L. Hollis, Jr.
Lieut.(j.g.),U.S.C.& G.S.

Approved & Forwarded
11 Sept. 1952

Percy L. Bernstein
Chief of Party

COMPILATION REPORT T-9657

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9665

31. DELINEATION

The graphic method was used.

Photographs were clear and of fair scale.

Field inspection was adequate. No unusual problems were encountered.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

The maximum ground elevation is three feet.

Drainage was delineated without any difficulty.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate. The shoreline was delineated as interpreted from the photographs, and in accordance with the field inspection notes submitted.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

There are no landmarks. One (1) fixed aid to navigation is submitted on Form 567.

38. CONTROL FOR FUTURE SURVEYS

One (1) topographic station listed under Item 49 is being submitted on Form 524.

39. JUNCTIONS

A satisfactory junction has been secured with T-9656 on the west, T-9658 on the east, T-9662 on the south and T-9791 on the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

No control for the location of public land lines was recovered by the field inspector; therefore no land lines were shown.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with USC&GS Planimetric Map T-5321 (Mississippi Sound) scale 1:20,000, compiled from photographs taken on 2 and 28 November 1932. Only minor changes in the shoreline have taken place.

Comparison was also made with U. S. Geological Survey Quadrangle MALHEUREUX POINT, scale 1:31,680, dated 1935. Only minor shoreline differences exist.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with USC&GS Nautical Chart No. 1268, scale 1:80,000, published September 1940, bearing a print date of April 13, 1953.

The maps listed under Item 46 appear to be the source of topography and the same minor differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None.

Richard A. Reece
Carto Photo Aid

APPROVED AND FORWARDED

Ira R. Rubottom, Chief of Party

48. GEOGRAPHIC NAME LIST

BAYOU LA FEE (if other than caps are used, it shouldbe Bayou la Fee)
BLIND BAY
BLIND PASS

FALSE MOUTH BAY

LAKE BORGNE
LAKES OF BAYOU MARRON
LE PETIT PASS ISLAND
LE PETIT PASS
LOUISIANA

MALHEUREUX POINT
MISSISSIPPI SOUND

*NINE MILE BAY
*NINE MILE BAYOU
} one word is preferred usage

RACCOON ISLAND

SOUTH BAYOU
ST BERNARD PARISH

THREE MILE BAY (one word)

Names approved 9-6-55. L. Heck.

* "NINEMILE" shown as one word on Chart 1268 but as two on USGS MALHEUREUX POINT quadrangle, which was used to prepare the FINAL NAME SHEET by the Washington Office.

49. NOTES FOR THE HYDROGRAPHER

Following is one (1) topographic station that will be useful to the hydrographer:

NINEMILE BAYOU ENTRANCE LIGHT, 1952

Form 567
April 1945

PHOTOGRAMMETRIC REVIEW BRANCH

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

Tampa Photogrammetric Office Tampa, Fla. November 19 54

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 Richard A. Reece

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 AFFECTED
	NINE MILE BAYOU ENTRANCE												
LIGHT	Black box on dolphin		30 02	52.03 1602	89 25	10.30 276	N.A. 1927	T-9657 Red.Plot	1952		X		1268
													4

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 individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

M-2836-3

Form T-2

50

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9657

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

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) JAG 7. Photo hydro stations XX 8. Bench marks XX 9. Plotting of sextant fixes XX 10. Photogrammetric plot report WAR 11. Detail points JAG

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

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

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

TIDE COMPUTATION

PROJECT NO. Ph- 89 T- 9657

Time and date of exposure 10:40 27 FEB 1952 Reference station PENSACOLA, FLORIDA Diurnal ~~Mean~~ range 1.0

Date of field inspection 26 AUG 1952 Subordinate station LONG POINT, LAKE BORGNE, LA Ratio of ranges 0.8

	Time h.	Time m.
High tide	12	24
Low tide	7	40
Duration of rise or fall	04	44

	Height feet	Height x Ratio of ranges
High tide	0.5	0.4
Low tide	0.4	0.3
Range of tide		0.1

	Time h.	Time m.
High tide at Ref. Sta.	12	24
Time difference	+1	35
Corrected time at Subordinate station	13	59

	Time h.	Time m.
Low tide at Ref. Sta.	07	40
Time difference	+1	35
Corrected time at Subordinate station	9	15

	h. m.		feet		feet	Photo. No.
Time ~~H. T. or~~ L. T. Required time Interval	9 15 10 40 1 25	Ht. ~~H. T. or~~ L. T. Tabular correction Stage of tide above MLW	0.3 0.0 0.3	Feature bares Stage of tide above MLW Feature above MLW		35274
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		

M-2617-12

Computed by R A Reece Checked by JOJ

REVIEW REPORT T-9657
Topographic
13 September 1957

61. General Statement

See summary

62. Comparison With Registered Topographic Surveys

405	1:20,000	1853
3664	1:40,000	1917

Manuscript T-9657 supercedes all the above surveys in common areas as source material for chart construction.

63. Comparison With Maps of Other Agencies

USGS Malheureux Point, 1:31,680, 1935

64. Comparison With Contemporary Hydrographic Surveys

None

65. Comparison With Nautical Charts

1268, 1:80,000, 3rd Ed. 1940, 3/25/57

66. Adequacy of Results And Future Surveys

This manuscript complies with all instructions and meets the National Standards of Map Accuracy.

No Field Edit was necessary due to the sparity of culture and the completeness of field inspection. The manuscript was compared with USC&GS 1955 W Camera photography to verify the delineation.

Reviewed By:

A. K. Heywood

Approved

Chief, Review Branch
Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry Div.

Chief, Coastal Surveys Div.