9392

Diag Cht. No. 1270

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-60(49)B *Office No.* T-9392

LOCALITY

State Louisiana

General locality Chandeleur Sound

Locality Grand Gosier Island

1950-51

CHIEF OF PARTY

P. L. Bernstein, Chief of Party
J. E. Waugh, Tampa Photogrammetric Office

LIBRARY & ARCHIVES

DATE April 19,1957

8-1870-1 (1)

9392

DATA RECORD

T-9392

Project No. (II): Ph-60(49)B Quadrangle Name (IV):

Field Office (II): Gulfport, Mississippi Chief of Party: Percy L. Bernstein

Photogrammetric Office (III): Tampa, Florida Officer-in-Charge: J. E. Waugh

Instructions dated (II) (III): 8 August 1950

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): APR 16 1952 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 3-24-57

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

Geographic Datum (III): N. A. 1927 Vertical Datum (III): MSL

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): COOL, 1951 (on T-9393)

Lat.: 29° 27' 46".43 (1429.5m.) Long.: 89° 12' 59".66 (1607.5m.) ~~Adjusted~~ Unadjusted

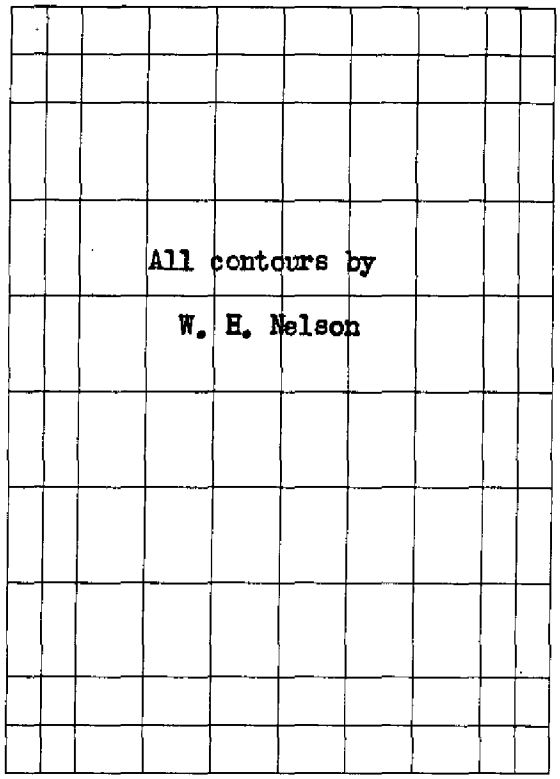
Plane Coordinates (IV): State: La. Zone: South

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.

M-2618-12(4)



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

DATA RECORD

Field Inspection by (II): W. H. Nelson, W. M. Reynolds — Date: Dec.1950, Jan.1951

Planetable contouring by (II): W. H. Nelson — Date: Dec.1950

Completion Surveys by (II): None — Date:

Mean High Water Location (III) (State date and method of location): Dec. 1950 - Air Photo. Compilation

Projection and Grids ruled by (IV): T. L. J. (W. O.) — Date: 24 Feb. 1951

Projection and Grids checked by (IV): H. D. W. (W.O.) — Date: 26 Feb. 1951

Control plotted by (III): I. I. Saperstein — Date: 1 June 1951

Control checked by (III): R. J. Pate — Date: 8 June 1951

Radial Plot or Stereoscopic Control extension by (III): M. M. Slavney — Date: 4 Sept. 1951

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

Manuscript delineated by (III): R. E. Smith, Jr. — Date: 15 Feb. 1952

Photogrammetric Office Review by (III): J. A. Giles — Date: 12 March 1952

Elevations on Manuscript checked by (IV) (III): J. A. Giles — Date: 11 March 1952

M-2618-12(4)

Camera (kind or source) (III): U.S.C.& G.S. Nine-lens Camera 8.24" focal length

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
25864	9 May 1950	10:17	1:20,000	0.5
25865	"	10:17	"	0.5
25866	"	10:18	"	0.5
25867	"	10:18	"	0.5
25868	"	10:19	"	0.5
25870	"	10:21	"	0.5

Tide (III)

Diurnal

Ratio of Ranges	Mean Range	~~Spring~~ Range
0.9	-	1.2

Reference Station: PENSACOLA
Subordinate Station: CHANDELEUR LIGHT
Subordinate Station:

Washington Office Review by (IV): Everett H. Ramey Date: 18 Feb 1955

Final Drafting by (IV): John H.Frazier Date: Dec 6, 1955

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): .3
Shoreline (More than 200 meters to opposite shore) (III): 2
Shoreline (Less than 200 meters to opposite shore) (III): 3
Control Leveling - Miles (II): None
Number of Triangulation Stations searched for (II): 1 Recovered: 0 Identified: 0
Number of BMs searched for (II): None Recovered: Identified:
Number of Recoverable Photo Stations established (III): 5
Number of Temporary Photo Hydro Stations established (III): 0

Remarks:

Five stations of less than 3rd order accuracy were established and four of these identified.

M-2618-12(4)

Summary to Accompany Topographic Map T-9392

This topographic map is one of eleven similar maps of Part B of Project Fb-60. Part B covers the islands in Mississippi, Chandeleur and Breton Sounds in Louisiana and Mississippi.

Project Fb-60 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 photographs by planetable methods, and the investigation of geographic names and political boundaries.

None of the maps of Part B of Project Fb-60 were field edited. All were compiled at a scale of 1:20,000, using nine-lens photographs taken in 1950. With the addition of hydrographic data, these maps will be forwarded to the Geological Survey for publication as standard 7-1/2-minute topographic maps.

Items registered under each map number will include a descriptive report, cloth-backed copies of the manuscript and the published map.

2. AREAL FIELD INSPECTION

The area includes the southern tip of Chandeleur Islands and all of Grand Gosier Island. The Gulf of Mexico lies to the south and east of the islands and Chandeleur and Breton Sounds are to the north and west.

The tip of Chandeleur Islands is a low barrier beach that is often covered by high water and is constantly changing.

Grand Gosier Island is a low barrier beach, consisting of sand on the Gulf side and marsh on the Breton Sound side. Northwest of the marsh is a shoal extending into Breton Sound.

The photographs are of very good quality and easily interpreted. The darkest tones are marsh and the lightest tones are sand. Toward the southwest end of Grand Gosier Island there is a strip of grass in the center of the sand beach. This appears gray. The shoal behind the island is light in tone.

The field inspection is believed to be complete. It is shown on photographs 25864, 25865 and 25866.

3. HORIZONTAL CONTROL

There is no horizontal control of third-order or higher accuracy within this quadrangle. The traverse run the length of Grand Gosier Island, as described in "Special Report, Supplemental Control, Project Ph-60(49)B, Breton and Chandeleur Sounds",* established positions for the four recoverable topographic stations ALTO, BUFF, CHAR, and HOUSE. See §38 These stations plus traverse station GE were identified for radial line plot control.

* Report filed under project data, Div. of Photogrammetry

Triangulation station ERROL ISLAND 1921 was reported lost.

Horizontal control was identified on photographs 25864 and 25866.

4. VERTICAL CONTROL

There is no previously established vertical control in the area, nor was any established during field inspection. Vertical control for contouring was obtained by using Gulf water level corrected according to "Tide Tables, East Coast, North and South America, 1951".

5. CONTOURS AND DRAINAGE

There are no contours in the quadrangle. Representative spot elevations have been indicated on the photographs.

There is no definite drainage pattern.

6. WOODLAND COVER

There is no vegetation that should be indicated on the map.

7. SHORELINE AND ALONGSHORE FEATURES

The mean high water line was located by reference measurements from points of identifiable detail. The apparent shoreline along marsh areas on the west side of the island is easily interpreted from the photographs with explanatory notes added during shoreline inspection.

The mean low water line along the Gulf of Mexico for all charting purposes is synonymous with the mean high water as the greatest horizontal variation found was 2.0 meters.

Because of the relatively steep beach the foreshore is narrow and of no significance.

There are no other alongshore features.

8. OFFSHORE FEATURES

A shoal makes off from the southern end of the island* in a SSE direction. No part of it was observed to be bare at any time.
* Unnamed. EHR

The Sound side of the island is shoal some distance offshore.

Errol Island is now a shifting shoal. This shoal was not visited. (Mapped as Errol Shoal - office interpretation) EHR

No shoal was seen bare in the vicinity of the feature charted as Myth Shoal on 2nd Edition of Chart No. 1270, print date of 23 June 1947. However, this shoal still exists in this area according to local fishermen. (Indicated by a small area of breakers which showed on the photographs) EHR

9. LANDMARKS AND AIDS

An abandoned Coast Guard beach patrol house is recommended for charting as a landmark. This object is the only easily recognized feature between Breton Island Light and Chandeleur Lighthouse. It is widely used by all vessels in Chandeleur Sound.

There are no aids or other landmarks.

10. BOUNDARIES, MONUMENTS, AND LINES

No boundary or public land line monuments were recovered. See §41

See "Special Report, Boundaries, Project Ph-60(49)", to be submitted at a later date. (Report filed under project data, Division of Photogrammetry)

11. OTHER CONTROL

Five recoverable topographic stations were established: CHAR 1950, BUFF 1950, ALTO 1950, and HOUSE 1951, the positions being determined by triangulation or traverse of less than third-order . See §38

12. OTHER INTERIOR FEATURES

There is one abandoned Coast Guard house in the quadrangle. Interior features have been covered by field inspection notes.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project Ph-60(49)", to be submitted at a later date. (Report filed in Geographic Names Section, Div. of Charts)

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

"Special Report, Supplemental Control, Project Ph-60(49)B, Breton and Chandeleur Sounds", forwarded to the Washington Office 16 April 1951.

"Special Report, Boundaries, Project Ph-60(49)", to be forwarded at a later date.

"Special Report, Geographic Names, Project Ph-60(49)", to be forwarded at a later date.

Data, Quadrangle T-9392, letter of transmittal 60-6, forwarded to the Tampa Photogrammetric Office 19 April 1951.

Form 567, letter of transmittal 60-13, to be forwarded at a later date.

Submitted
16 April 1951

Josiah J. Fitzgerald
Cartographer (Photo.)
for
B. Frank Lampton, Jr.
Cartographic Survey Aid

Approved
19 April 1951

Percy L. Bernstein

Percy L. Bernstein
Chief of Party

PHOTOGRAMMETRIC PLOT REPORT

This report is filed as part of the Descriptive Report for T-9383 and covers maps T-9363 thru T-9393.

MAP T-9392 PROJECT NO. PH-60B(49) 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)
ALTO, 1950	Field Comp.	N.A. 1927	29 33 44.73 89 03 00.62			1,377.2 (470.1) 16.7 (1,598.5)	
HOUSE, 1951	"	"	29 32 57.15 89 03 57.95			1,759.6 (87.7) 1,560.1 (55.2)	5th
BUFF, 1950	"	"	29 31 50.87 89 04 50.04			1,566.2 (281.1) 1,347.5 (268.2)	Less than 3rd order in accuracy
CHAR, 1950	"	"	29 31 04.72 89 05 36.58			145.3 (1,702.0) 985.1 (630.7)	
S.P. TRAVERSE STA. GE	Comp.	"	29 32 89 04			1,391.3 (456.1) 161.5 (1,453.8)	5th GE is an unmarked station - not described.
S.P. ALTO, 1950	"	"	29 33 89 03			1,371.3 (476.0) 45.2 (1,570.0)	

1 FT. = .3048006 METER

COMPUTED BY: I. I. Saperstein DATE 21 May 1951 CHECKED BY: R. J. Pate DATE 23 May 1951

M-2388-12

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COMPILATION REPORT T-9392

PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-9383.

31. DELINEATION.

Compiled by graphic method. No unusual method of compilation was employed. The field inspection was adequate.

The distance between JJJ and KKK, from their geographic positions, is 1103.0 meters but the distance scaled from the planetable traverse and survey on the back of Field Print 25868 is only 1025 meters. Due to this discrepancy, GRAND GOSIER ISLAND was delineated from the photographs instead of the planetable survey. See § LL

* Only the small island to north of Grand Gosier Island was positioned in field by planetable.

32. CONTROL.

A sufficient number of well placed pass points were established by the radial plot.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

Reference Item 5.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection was adequate. For low-water line information, refer to Item 7.

36. OFFSHORE DETAILS.

Reference Item 8.

37. LANDMARKS AND AIDS

Reference Item 9.

38. CONTROL FOR FUTURE SURVEYS.

Five recoverable topographic station are being submitted on Form 524 with this report. These have been listed under Item 49. Station AGAR, 1950, was not listed under Item 11.

39. JUNCTIONS.

Joins T-9390 on the north - in agreement.
Bounded by water on the south.
Bounded by water on the west.
Bounded by water on the east.

40. HORIZONTAL AND VERTICAL ACCURACY.

See §6L

No statement.

41. PUBLIC LAND LINES.

No section corners were recovered, therefore it was impossible to locate section lines from General Land Office plats. (Plats for project do not include these islands) ENK

46. COMPARISON WITH EXISTING MAPS.

None.

See §62

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with USC&GS Nautical Chart No. 1270, scale 1:80,000, published June 1947 (second edition) and corrected to 19 March 1951. The shoreline has undergone extensive changes. GRAND GOSIER ISLAND has extended itself for about three (3) miles in a northeasterly direction. A small island has formed approximately one (1) mile northeast of the site of ERROL ISLAND - ERROL ISLAND now being a shoal (Reference Item 8). See 565

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None

ITEMS TO BE CARRIED FORWARD.

None.

Rexford E. Smith, Jr.
Rexford E. Smith, Jr.
Carto. Photo. Aid

APPROVED AND FORWARDED:

J E Waugh
J. E. Waugh, Chief of Party

48. GEOGRAPHIC NAME LIST.

BRETON SOUND
Breton National Wildlife Refuge — old B.N.W. decision = Grosier I, but in view of its larger size and disappearance of Errol I, this name seems appropriate. L.H.
GRAND GOSIER ISLAND
GULF OF MEXICO

LOUISIANA
MYTH SHOAL*
PLAQUEMINES PARISH
POLICE JURY WARD 4 (Not mapped) ERR

Errol Shoal
Chandeleur Islands

Names underlined in red are approved 8-18-52 L. Heck

*Name not shown on the map manuscript because feature could not be seen on the photographs. (added at review) ERR

49. NOTES FOR THE HYDROGRAPHER.

The following topographic stations may be useful for the hydrographer:

AGAR, 1950

ALTO, 1950

BUFF, 1950

CHAR, 1950

HOUSE, 1950

A shallow area, on the sound side of GRAND GOSIER ISLAND, has been delimited on the map manuscript with the conventional symbol and labeled "Approx". The line shown was taken from aerial photographs taken in May 1950.

A small island has formed approximately one (1) mile northeast of the site of ERROL ISLAND - ERROL ISLAND now being a shoal.

MYTH SHOAL does not appear on the map manuscript because it could not be seen on the photographs. (A small area of breakers compiled in this area and labeled "Myth Shoal.") EHZ

TIDE COMPUTATION

PROJECT NO. Ph- 60(B) T-9392

Time and date of exposure 10:18 9 May 1950 — Reference station PENSACOLA — Mean range Diurnal

Date of field inspection December 1950 — Subordinate station CHANDELEUR LIGHT — Ratio of ranges 0.9

	Time h.	Time m.
High tide	16	31
Low tide	3	05
Duration of rise or fall	13	26

	Height feet	Height x Ratio of ranges
High tide	1.0	0.9
Low tide	0.0	0.0
Range of tide		0.9

	Time h.	Time m.
High tide at Ref. Sta.	16	31
Time difference	-0	30
Corrected time at Subordinate station	16	01

	Time h.	Time m.
Low tide at Ref. Sta.	3	05
Time difference	-0	30
Corrected time at Subordinate station	2	35

	h. m.		feet		feet	Photo. No.
Time H. T. of/LH	16:01	Ht. H. T. of/L/T	0.9	Feature bares		25866
Required time	10:18	Tabular correction	0.4	Stage of tide above MLW		
Interval	5:43	Stage of tide above MLW	0.5	Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		

M-2617-12

Computed by R. E. Smith, Jr. — Checked by C. J. Downing

Form 567
April 1945

PHOTOGRAMMETRIC REVIEW SECTION

DEPARTMENT OF COMMERCE
U. S. COAST / GEODETIC SURVEY

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

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

Tampa Photogrammetric Office, Tampa Florida — 15 February, 1952

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 Rexford E. Smith Jr.

J. E. Waugh — *Chief of Party.*

STATE: LOUISIANA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
HOUSE	Abandoned Coast Guard Beach Patrol Station, 35 ft. high, 38 ft. above mean high water.		29 32	57.15 1759.6	89 03	57.95 1500.1	N.A. 1927	Trav. T-9392	1951		x		1270
	(Topographic Station HOUSE, 1951)												
	NOTE: ~~The field editor has been requested to investigate during field edit the correct charting name; i.e. HOUSE or CUP.~~ No field edit EHR												

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.

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Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T-9392

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

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) J.G. 7. Photo hydro stations XXX 8. Bench marks XXX 9. Plotting of sextant fixes J.G. 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. J.G. 15. Bridges XXX 16. Aids to navigation XXX 17. Landmarks J.G. 18. Other alongshore physical features J.G. 19. Other alongshore cultural features XXX

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

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

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 Jesse A. Giles — William A. Ragsure William A. Ragsure

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.

Compiler — Supervisor

43. Remarks:

M-2623-12

NAUTICAL CHARTS BRANCH

SURVEY NO. T 9392

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
1/19/53	1272	J.G.M.	Before ~~After~~ Verification and Review Fully applied
12/52	1270	Frey HFS	Before ~~After~~ Verification and Review
8/28/57	1272	N. Burgoyne	~~Before~~ After Verification and Review Consider fully applied
			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.

Review Report
Topographic Map T-9392
18 February 1955

62. Comparison with Registered Topographic Surveys:

Hyd 4223	1:80,000	1922
T-3919	1:20,000	1922

The shoreline has changed since these surveys to such an extent that features hardly correspond. For the area it encompasses, T-9392 is to supersede these prior surveys for nautical charting.

63. Comparison with Maps of Other Agencies: None.

64. Comparison with Contemporary Hydrographic Surveys: None.

65. Comparison with Nautical Charts:

1270	1:80,000	1947, corrected to 54-10/18

The Advance Print of T-9392 was applied in its entirety to this chart. Changes in offshore features were made during this review and are shown in red.

66. Adequacy of Results and Future Surveys:

Because of indicated possible errors in the basic control for this map (discrepancies discussed in conjunction with T-9390), compliance with National Standards of Map Accuracy is not stated. However, the map is believed to be adequate for present charting needs. The area is subject to continual change and will require frequent revising.

Reviewed by:

Everett H. Ramey

APPROVED:

Chief, Review Section
Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry Division
5 April 1957

Chief, Coastal Surveys Division

History of Hydrographic Information for T-9388 through T-9392

Hydrography was added to the map manuscript in accordance with the Photogrammetry Division General Specifications of 18 May 1949.

Depth curves and soundings are in feet at Mean Lower Low Water datum and originate with the following C&GS Nautical Chart:

No.	Scale	Corrected to
1270	1:80,000	11-26-55

Hydrography was compiled by Bernard J. Colner (T-9388 and T-9389 on 15 May 1956, and T-9390 through T-9392 on 17 May 1956), and verified by C. Swendsen.