

# 9085

Diag. Cht. No. 1211-2

Form 504

## U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

### DESCRIPTIVE REPORT

Type of Survey SHORELINE - PHOTOGRAMMETRIC

Field No. Ph-31 (LB)A Office No. T-9085

#### LOCALITY

State CONNECTICUT - RHODE ISLAND

General locality BLOCK ISLAND SOUND

Locality LITTLE NARRAGANSETT BAY AND  
PANCATUCK RIVER

194 8

#### CHIEF OF PARTY

R.J. Sipe, Chief of Field Party

C.W. Clark, Portland, Oregon Photo. Office

#### LIBRARY & ARCHIVES

DATE AUG-18-1951

B-1870-1 (1)

9085

## DATA RECORD

T -9085

Project No. (II): Ph-31(48)A      Quadrangle Name (IV):

Field Office (II):

Chief of Party: Riley J. Sipe

Photogrammetric Office (III): Portland, Oregon  
9 April 1948 (Field)

Officer-in-Charge: Charles W. Clark

Instructions dated (II) (III): 9 February 1949 (Office)

Copy filed in Division of  
Photogrammetry (IV)*Office Files*

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV): 2-21-50      Date reported to Nautical Chart Branch (IV): 2-24-50

Applied to Chart No.

Date:

Date registered (IV): 9 July 1951

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): Mean ~~Sea Level~~ *High Water*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): PHELPS, 1932

Lat.: 41° 18' 41.156" 1269.6 m Long.: 71° 51' 13.113" 305.0 m Adjusted X  
(581.3 m) (1090.7 m) Unadjusted

Plane Coordinates (IV):

State: Conn.

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.

## DATA RECORD

Field Inspection by (II): E. T. Jenkins and R.A. Horn

Date: 9-4-48 to 10-1-48

Planetable contouring by (II): \_\_\_\_\_

Date:

Completion Surveys by (II): *None*

Date:

Mean High Water Location (III) (State date and method of location): 2 May 1948. The mean high-water line was delineated by the field party and transferred from the field prints to the office prints with the aid of the stereoscope.

Projection and Grids ruled by (IV): *Wash. Office*

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III): Frank H. Elrod

Date: 6-27-49

Control checked by (III): John C. Lajoie

Date: 6-28-49

Radial Plot or Stereoscopic Frank H. Elrod and Roy A. Davidson  
Control extension by (III):

Date: 7-11-49

Planimetry  
Stereoscopic Instrument compilation (III):  
Contours

Date:

Date:

Manuscript delineated by (III): Marie B. Elrod

Date: 8-18-49

Photogrammetric Office Review by (III): Ree H. Barron

Date: 9-14-49

Elevations on Manuscript  
checked by (II) (III): \_\_\_\_\_

Date:

Camera (kind or source) (III): K-17, U.S.C. & G.S., 6 in. focal length.

PHOTOGRAPHS (III)					
Number	Date	Time	Scale	Stage of Tide	
48 J-831 to 834 incl.	5-2-48	13:00	1:10,000	0.8 ft. above M.L.W.	
48 J-839 to 842 incl.	5-2-48	13:11	1:10,000	0.9 ft. above M.L.W.	
48 J-867 to 870 incl.	5-2-48	13:32	1:10,000	1.0 ft. above M.L.W.	
48 J-883	5-2-48	13:40	1:10,000	1.1 ft. above M.L.W.	
48 J-859 to 861 incl.	5-2-48	13:30	1:10,000	1.0 ft. above M.L.W.	

## Tide (III)

Reference Station: New London, Conn.  
 Subordinate Station: None  
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	2.6	3.1

Washington Office Review by (IV): Roscoe J. French

Date: 6-28-50

Final Drafting by (IV): M. J. Day

Date: 9-25-50

Drafting verified for reproduction by (IV): C. Kupiac

Date: 9-25-50

Proof Edit by (IV): Everett H. Ramey

Date: 2-2-51

Land Area (Sq. Statute Miles) (III): 19.8

Shoreline (More than 200 meters to opposite shore) (III): 30.8 Statute Miles

Shoreline (Less than 200 meters to opposite shore) (III): 6.5 Statute Miles

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered:

Identified:

Number of BMs searched for (II):

Recovered:

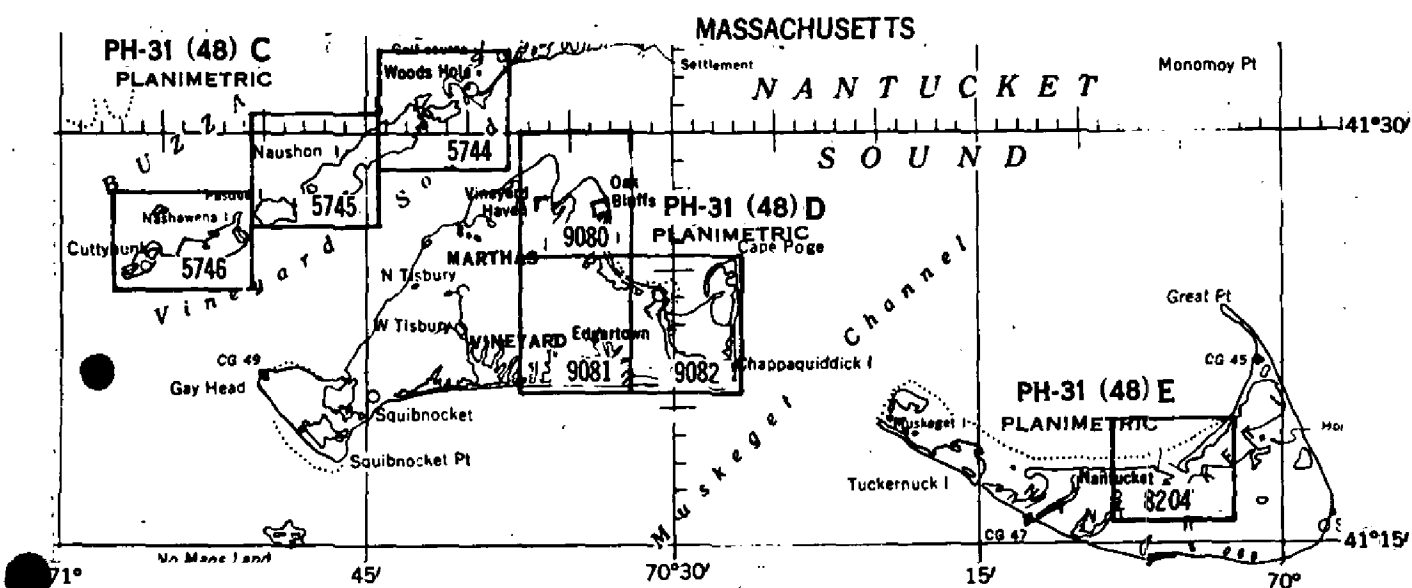
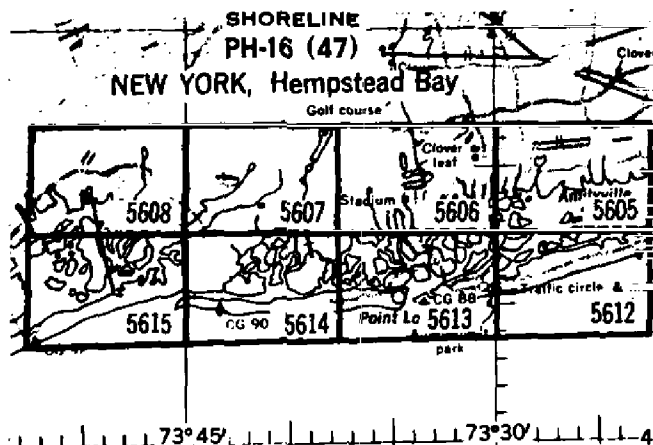
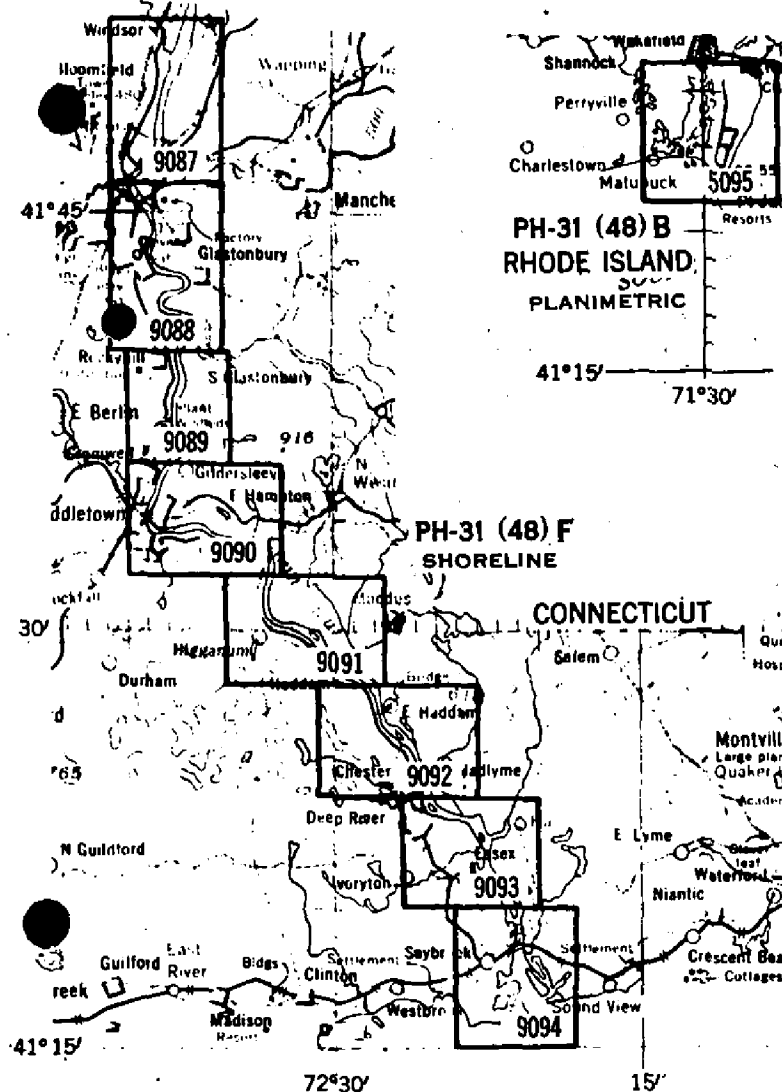
Identified:

Number of Recoverable Photo Stations established (III): 2

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

Remarks:

# PLANIMETRIC AND SHORELINE MAPPING PROJECTS PH-16(47) - PH-31(48) A-B-C-D-E-F



5

Summary to Accompany T-9085

T-9085 is one of four shoreline surveys in Project Ph-31(48) subproject A in Connecticut and Rhode Island in the vicinity of Stonington, Connecticut and Fishers Island Sound. The area covered by this survey (T-9085) includes the shoreline on the mainland from Stonington, Connecticut to Watch Hill Pt. and up the Pawcatuck River to Westerly, R.I. Certain of the planimetric detail in the interior has also been compiled from Stonington to Pawcatuck, Conn. and Westerly, R.I.

There is adequate photographic coverage of the area and the compilation is complete for drainage and roads in the interior inshore from the normally compiled 200 to 300 meter shoreline limits where delineation of the detail is complete.

It completely fulfills the obligation for compilation of shoreline information for nautical chart construction.

T-9085 was compiled from single-lens photographs ratio prints to 1:10,000 manuscript scale.

The several mapping operations were as follows:

1. Single-lens photography and laboratory processing at 1:10,000 scale.
2. Field work included recovery and identification of horizontal control, clarification of photographic detail, geographic names investigation, and annotation of the field photographs.
3. Radial plot and graphic compilation. (*PORTLAND*)
4. Final review and completion of the ~~(manuscript)~~ manuscript for nautical charting purposes.
5. Processing:  
A film negative will be made, and a vinylite copy will be prepared with such drafting and stick-up as is necessary for publication.

T-9085 will be processed at 1:10,000 scale and registered in the Bureau as a shoreline map.

Data pertaining to this survey (T-9085) will be filed and may be obtained as follows:

1. Filed in the Division of Photogrammetry.
  - a) The map manuscript (acetate original) at 1:10,000 scale with final review corrections applied.
  - b) Geographic names sheet.
  - c) Pricking cards (for identification of horizontal control).
  - d) Forms 524 (topographic stations description (2)
  - e) Duplicate descriptive report (with geographic names text).

Summary to Accompany T-9085 - - - - - Page 2

2. Filed in the Bureau Archives.
  - a) A cloth-backed lithographic print of T-9085 at 1:10,000 scale.
  - b) Descriptive Report.

The above data are to be permanently listed under one number T-9085 when the shoreline map is registered.

FIELD INSPECTION REPORT  
QUADRANGLES 9085 AND 9086  
PROJECT Ph-31 (48)  
SUB-PROJECT "A"

Riley J. Sipe, Chief of Party

All phases of the field work were done in accordance with The Director's Instructions, Project Ph-31 (48), Field, dated 9 April 1948.

The field work on these sheets was performed by the following personnel on the dates indicated:

<u>Name &amp; Title</u>	<u>Field Work</u>	<u>Dates</u>
E. T. JENKINS Engineering Aid	Recovery, Shoreline and Inspection	9-4-48 10-1-48
R. A. HORN Photogrammetrist	Recovery, Shoreline and Inspection	9-4-48 10-1-48

1. Description of the Area

The area surveyed includes the land and bodies of water from Stonington, Connecticut to and including most of Westerly, Rhode Island. Also Fishers Island, which is situated on the south side of Fishers Island Sound.

The principal occupations of the inhabitants are diversified. Manufacturing, construction, fishing and maintenance of recreational facilities each play an important part. Also; the Army Fort H. G. Wright is located on Fishers Island which, in itself, offers considerable civilian employment.

The larger settlements embraced within the confines of this survey are Stonington and Pawcatuck, Connecticut; Westerly and Watch Hill, Rhode Island; and Fishers Island, New York.

The mainland portion is readily accessible by air, water, railroad, or highway. Fishers Island traffic is chiefly by ferry; however there is an airfield available on the island for limited use by small aircraft.

2. Completeness of Field Inspection

Field Inspection is completely and adequately covered on the photographs.

3. Interpretation of the Photographs

See Report on 9083 and 9084.



#### 4. Horizontal Control

U. S. Coast and Geodetic Survey control stations were searched for and the majority recovered. Stations were identified in accordance with The Project Instructions; Form 526 is submitted regarding the status of each station.

In the northern section of the area covered by this report, on the mainland, U. S. Coast and Geodetic Survey control stations were not in adequate number for the control identification desired. Consequently several Traverse Points, established by the Connecticut Geodetic Survey, were identified for supplemental control. A personal contact with the State Engineer in New Haven was made concerning the accuracy of these stations and he assured this party that said stations were of the same accuracy as that maintained by this agency. At frequent intervals the State scheme starts from and closes on the triangulation scheme established by the U. S. Coast and Geodetic Survey.

Caution should be exercised in the choice and employment of several triangulation stations in Ph-31 (48) "A" since names or identification numbers are duplicated in various instances. Two examples would be triangulation stations "FORT HILL", one located west of Mystic, Connecticut and the other near Watch Hill, Rhode Island. Also, NO. 1 (U.S.E.), both within approximately two miles, in the Pawcatuck River area.

#### 5. Vertical Control

Not applicable to this project.

#### 6. Contours and Drainage

Not applicable.

#### 7. Mean High Water Line

See Report on 9083 and 9084.

#### 8. Low Water Line

See Report on 9083 and 9084.

#### 9. Wharves and Shoreline Structures

See Report on 9083 and 9084.

#### 10. Details Off-shore from Mean High Water Line

Off-shore detail discernible on the photographs has been labeled appropriately. Two 3-Point Fixes were taken on a rock

jetty in Watch Hill Cove that could not be seen on the photographs.

In many areas, due to the number and extent of the obstructions (principally boulders), the limits of an entire area is shown as being foul.

#### 11. Landmarks and Aids to Navigation

All landmarks and fixed aids to navigation in the quadrangles were investigated. Form 567 is submitted with the information determined. It should be noted here that there are no particularly desirable landmarks on Fishers Island. Many of the lookout towers previously charted as landmarks are of no significance today.

#### 12. Hydrographic Control

Not applicable.

#### 13. Landing Fields and Aeronautical Aids

There are two secondary landing fields in the area covered by this report. One is Foster Field, northeast of Stonington, Connecticut. The second is on the southwest side of Fort Wright on Fishers Island.

One aeronautical aid is noted near the eastern limits of sheet 9085, on the Fort Hill, New Tank - 1932 point of triangulation. It is a flashing white light, although not operating at this time. Local information indicates it may soon be removed.

#### 14. Roads

See Report on 9083 and 9084.

#### 15. Bridges

All bridge information for the area covered by this report as listed in the U. S. Engineers' List of Bridges Over Navigable Waters in the United States, dated 1 July 1941, was verified. All clearances were carefully measured with a steel tape and the published clearances were found to be correct except for the following discrepancies, which have been reported to the District Engineer. The fixed highway bridge over the Pawcatuck River at Westerly, Rhode Island is listed with a horizontal clearance of the center span of 39.7 feet; and a horizontal clearance of the left span of 24.7 feet. Our measurements reveal the horizontal clearance of the center span as 44.0 feet; and the horizontal clearance of the left span as 29.0 feet. Also, for all practical purposes the right span no longer has any appreciable horizontal clearance. Foundations for additional overhanging construction at the northwest corner of the bridge have obstructed passage through the right span.

16. Buildings and Structures

Adequately indicated on photographs.

17. Boundary Monuments and Lines

Not applicable.

*The Pawcatuck River is the boundary between  
Connecticut and Rhode Island.*

18. Geographic Names

Although a complete and adequate investigation of Geographic Names was not prescribed in The Project Instructions, a fairly thorough scrutiny was made of the Preliminary Name Sheet supplied this party. The following are the results as determined in the field and as recommended by this party:

On Sheet 9085 -

1. Add "MASTUXET BROOK", "SPRING POND" and "NO BOTTOM POND"

References: 1, 2, and 3.

2. Add "CLARKS VILLAGE"

References: 4, 5, and 6.

3. Change "PAWCATUCK POINT" to "OSBROOK POINT"  
Change "ELIHU ISLAND" to "LEDWOODS ISLAND"  
Add "RANDALL NECK", "WIDOW BURDICK COVE", "BARN ISLAND", "SASSAFRAS ISLAND", "OSBROOK COVE", and "GREENHAVEN SHORE"

References: 7, 8, and 9.

4. Delete "WEQUETEQUOCK RIVER"  
Add "OXECOSSET BROOK", "ANGUILLA BROOK", AND "CHESEBROUGH POND"

References: 10, 11, and 12.

On Sheet 9086 - (Chart 358)

1. Add "FISHERS ISLAND" - a hamlet, "BRICKYARD POND", "BARLOW POND", "ISLAND POND", "MIDDLE FARMS POND", "TREASURE POND", "CHOCOMOUNT BEACH", "MONEY POND", "MUD POND", "HUNGRY POINT", and "BROOKS POINT"

References: 13, 14, and 15.

2. Change "BARLOW POND" to "BEACH POND"

References: 13, 14, and 15.

3. A disputed name - recommend "WRECK ISLAND", also known as "GOOSE HUMMOCK" and "LITTLE GOOSE ISLAND"

References - for "WRECK ISLAND" - 13, 14, and 15.  
References - for "GOOSE HUMMOCK" and "LITTLE GOOSE  
ISLAND" - 16, 17, and 18.

REFERENCES

1. Mrs. Malcom Anderson  
Box 258  
Westerly, Rhode Island
2. Mrs. Martha Babcock Harris  
Watch Hill Road, Rhode Island
3. Mrs. Charles E. Rounds  
Watch Hill Road, Rhode Island
4. Miss Barbara Adams  
Pawcatuck Avenue  
Westerly, Rhode Island
5. Mr. John E. Robinson  
Clarks Village  
Westerly, Rhode Island
6. Mr. Charles Maxwell  
12 Buckingham Road  
Westerly, Rhode Island
7. Mrs. Robert Roseman  
Greenhaven Shore  
Westerly, Rhode Island
8. Mr. William Lamoureux  
Gulf Station  
Westerly, Rhode Island
9. Art G. Stillman  
R.F.D. -2  
Westerly, Rhode Island
10. Mr. Edson Taylor  
R.F.D. -2  
Westerly, Rhode Island
11. Mr. J. C. Lee  
R.F.D. -2  
Westerly, Rhode Island

12. Mr. Noyes G. Main  
R.F.D. -2  
Westerly, Rhode Island
13. Miss Polly Edmonds  
Fishers Island, New York
14. Mr. R. C. Shanklin  
Fishers Island, New York
15. Mr. Edmund M. Hodge  
Fishers Island, New York
16. Mr. Roland Jean  
U. S. Coast Guard  
Fishers Island, New York
17. Mr. Jack Gater  
Fishers Island, New York
18. Mr. W. F. Griffin  
Fishers Island, New York

Submitted:  
Date 10/1/48

E. T. Jenkins  
E. T. JENKINS  
Engineering Aid

R. A. Horn  
R. A. HORN  
Photogrammetrist

PHOTOGRAMMETRIC PLOT REPORT  
Map Manuscript No. T-9085  
Project Ph-31(48)A

This map manuscript is part of a combined radial plot comprising sheets T-9083 to T-9086 inclusive. The photogrammetric plot report is included in the descriptive report for T-9083(1948) Project Ph-31(48)A.

MAP T 9085

PROJECT NO. Ph-31(48)A

SCALE OF MAP 1:10,000

SCALE FACTOR

None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR LONGITUDE OR S-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
F-2 (USE), 1934 ✓	Page 83	N.A. 1927	41° 19' 35.784"				1103.9	( 747.1 )	
			71° 51' 15.324"				356.4	( 1038.9 )	
BARN, 1934 ✓	Page 81	N.A. 1927	41° 19' 45.136"				1392.4	( 458.6 )	
			71° 52' 07.836"				182.2	( 1213.0 )	
American Thread Co. Stock, 1934 ✓	Page 90	N.A. 1927	41° 21' 44.454"				1371.4	( 479.6 )	
			71° 50' 24.893"				578.6	( 816.0 )	
PAWKATUCK 2 (Comm) G-3996 ✓	Page 260	N.A. 1927	41° 22' 11.915"				367.6	( 1483.4 )	
			71° 50' 41.849"				972.6	( 421.8 )	
STONINGTON HARBOR LIGHTHOUSE, 1873 ✓	Page 278	N.A. 1927	41° 19' 42.17 "				1300.9	( 550.1 )	
			71° 54' 21.71 "				504.9	( 890.4 )	
Stonington School Cupola, 1934 ✓	Page 88	N.A. 1927	41° 20' 03.87 "				119.4	( 1731.6 )	
			71° 54' 12.11 "				281.6	( 1113.6 )	
LEDWOOD, 1934 ✓	Page 81	N.A. 1927	41° 20' 05.075"				156.6	( 1694.4 )	
			71° 53' 18.150"				422.0	( 973.2 )	
King House, Gable South, 1935 ✓	Page 89	N.A. 1927	41° 20' 29.764"				918.2	( 932.8 )	
			71° 52' 47.779"				1110.9	( 284.1 )	
FREEMAN HOUSE, 1935 ✓	Page 89	N.A. 1927	41° 20' 13.076"				403.4	( 1447.6 )	
			71° 53' 17.237"				400.8	( 994.3 )	
FROST, 1873 ✓	Page 82	N.A. 1927	41° 20' 57.037"				1759.6	( 91.4 )	
			71° 51' 03.368"				78.3	( 1316.5 )	
CHESBRO, 1934 ✓	Page 82	N.A. 1927	41° 20' 22.426"				691.8	( 1159.2 )	Page 14
			71° 50' 08.564"				199.1	( 1196.0 )	
STONINGTON, 1934 ✓	Page 81	N.A. 1927	41° 19' 39.482"				1218.0	( 633.0 )	
			71° 54' 20.937"				486.9	( 908.4 )	

1 FT. = 3048006 METER

COMPUTED BY: G. Richter

DATE

6/2/49

CHECKED BY:

J. C. LaJoye

DATE

6/6/49

M-2388-12

MAP T-9085

PROJECT NO. Ph-31(48)A

SCALE OF MAP 1:10,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR LONGITUDE OR GRID COORDINATE	G.P. DISTANCE FROM GRID OR PROJECTION LINE IN METERS	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
CONN. GEOD. SUR- VEY MON. STON- INGTON #297, 1940	Ston. Quad. Page 2	N.A. 1927	200,546.78 833,262.06	41° 22' 50.158" 71° 54' 00.145"		166.7 (1357.3) 994.3 (529.7)	
MISQUAMICUT, CLUB- HOUSE, 1934	G-3539 Page 91	N.A. 1927	41° 19' 16.881" 71° 50' 01.979"			520.8 (1330.2) 46.0 (1349.5)	
PALFREY, 1934		N.A. 1927	41° 20' 55.369" 71° 50' 28.193"			1708.1 (142.9) 655.4 (739.4)	
MOORES CUPOLA, 1934	G-3539 Page 91	N.A. 1927	41° 20' 08.74 " 71° 50' 06.79 "			269.6 (1581.4) 157.9 (1237.3)	
FORT HILL, NEW TANK, 1932-34	G-3539 Page 260	N.A. 1927	41° 20' 18.048" 71° 49' 02.755"			556.8 (1294.2) 64.1 (1331.0)	Adm't. (Form 567)
SUNNYLAND'S CHIMNEY, 1934	G-3539 Page 91	N.A. 1927	41° 20' 38.648" 71° 49' 33.265"			1192.3 (658.7) 773.4 (621.6)	
MUNRO FLORIST CO, STACK, 1934	G-3539 Page 91	N.A. 1927	41° 21' 51.360" 71° 49' 54.277"			1584.5 (266.5) 1261.5 (133.0)	
AMERICAN VELVET CO. STACK, 1934	Page 89	N.A. 1927	41° 20' 17.109" 71° 53' 56.428"			527.8 (1323.2) 1312.0 (83.0)	Adm't. (Form 567)
CONN. GEOD. SUR- VEY MON. STON- INGTON #2961, 1941	Ston. Quad. Page 2	N.A. 1927	194,475.77 841,535.66	41° 21' 49.360" 71° 52' 12.433"		1364.2 (159.8) 468.1 (1055.9)	
HINCKLEY, 1934	G-3330 Page 34	N.A. 1927	41° 22' 49.212" 71° 51' 04.177"			1518.2 (332.8) 97.1 (1297.1)	
Marcus Barn Gable, 1934	Page 89	N.A. 1927	41° 21' 47.54 " 71° 54' 09.44 "			1466.6 (384.4) 219.4 (1175.2)	Page 18
No. 2 (USE) 1934	Page 81	N.A. 1927	41° 19' 23.278" 71° 51' 38.306"			718.1 (1132.9) 890.9 (504.6)	

1 FT. = 3048006 METER

COMPUTED BY: G. Richter

DATE 6/2/49

CHECKED BY: J. C. LaJoye

DATE 6/6/49

M-2368-12



MAP T- 9085		PROJECT NO. Ph-31(48)A		SCALE OF MAP 1:10,000		SCALE FACTOR None	
STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR LONGITUDE OR COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
		N.A. 1927	41° 20' 11.224"			346.3 (1504.7)	
No. 4, (USE) (Conn.) 1934	Page 81	1927	71° 52' 43.986"			1001.8 (393.3)	
Westerly Grey	G-3539 G-3996	N.A. 1927	41° 22' 26.083"			804.7 (1046.3)	
Standpipe, 1934	Page 260	1927	71° 49' 09.989"			232.1 (1162.2)	
		N.A. 1927	41° 18' 26.698"			823.6 (1027.3)	
FORT (USE), 1934	Page 81	1927	71° 52' 47.092"			1095.5 (300.3)	
	G-1246	N.A. 1927	41° 18' 41.156"			1269.6 (581.3)	
PHILIPS, 1932	Page 4	1927	71° 51' 13.113"			305.0 (1090.7)	
		N.A. 1927	41° 19' 19.791"			610.6 (1240.4)	
POINT (USE), 1934	Page 83	1927	71° 51' 04.091"			95.1 (1300.4)	
WATCH HILL LIGHT - HOUSE, 1873	G-5984 Page 86	N.A. 1927	41° 18' 13.646"			421.0 (1430.0)	
		1927	71° 51' 32.552"			757.3 (638.6)	
		N.A. 1927	41° 19' 38.375"			1183.9 (667.1)	
HORACE, 1934	Page 83	1927	71° 50' 49.194"			1144.0 (251.3)	
		N.A. 1927	41° 19' 02.346"			72.4 (1778.6)	
FOSTER, 1934	Page 81	1927	71° 51' 35.953"			836.3 (559.3)	
	G-6295	N.A. 1927	41° 18' 53.996"			1665.7 (185.2)	
BROWNING, JM. (USE) 1909	Page 276	1927	71° 50' 30.144"			701.1 (694.5)	
BABCOCK CUPOLA		N.A. 1927	41° 18' 58.581"			1807.2 (43.8)	
	Page 90	1927	71° 50' 38.920"			905.3 (490.3)	
TRUMBELL FLAG - POLE, 1934	Page 89	1927	41° 19' 09.240"			285.1 (1565.9)	Page 16
		N.A. 1927	71° 51' 23.992"			558.0 (837.5)	
CLUBHOUSE (USE) 1909	G-6295 Page 276	N.A. 1927	41° 19' 18.654"			575.5 (1275.5)	
		1927	71° 50' 01.903"			44.3 (1351.2)	

MAP T 9085 PROJECT NO. Ph-31(48)A SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR LONGITUDE OR COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
					FORWARD	(BACK)	FORWARD	(BACK)	
OCEAN HOUSE, FLAG-STAFF, 1904	Page 90	N.A. 1927	41° 18'	36.88 "			1137.7	( 713.2 )	Admt. (Farm 567)
			71° 51'	15.02 "			349.4	( 1046.3 )	
WATCH NILE CHURCH SPIRE, 1904	G-6295 Page 125	N.A. 1927	41° 18'	36.88 "			1137.7	( 713.3 )	Destroyed as triangulation
			71° 51'	19.44 "			452.2	( 943.5 )	
SUGAR ROCK BEACON (bent), 1904	G-6295 Page 278	N.A. 1927	41° 17'	40.17 "			1239.2	( 611.7 )	
			71° 52'	45.65 "			1062.1	( 333.9 )	
Westerly Hospital Stack, 1934	G-3539 Page 91	N.A. 1927	41° 21'	43.622 "			1345.7	( 505.3 )	Admt. (Farm 567)
			71° 49'	32.782 "			762.0	( 632.6 )	
Westerly Stand-pipe, 1934	G-3539 G-3996 Page 260	N.A. 1927	41° 22'	27.344 "			843.6	( 1007.4 )	
			71° 49'	03.537 "			82.2	( 1312.1 )	
Owens Cupola 1934	G-3539 Page 91	N.A. 1927	41° 20'	07.797 "			240.5	( 1610.5 )	
			71° 49'	43.769 "			1017.7	( 377.4 )	
FORT HILL, 1873	Page 82	N.A. 1927	41° 20'	00.724 "			22.3	( 1828.7 )	
			71° 49'	15.239 "			354.4	( 1040.8 )	
No. 4 (USE), 1934	Page 83	N.A. 1927	41° 20'	09.407 "			290.2	( 1560.8 )	
			71° 50'	07.494 "			174.3	( 1220.9 )	
American Thread Elev. Tank Co., 1934	Page 90	N.A. 1927	41° 21'	44.547 "			1374.3	( 476.7 )	
			71° 50'	22.480 "			522.5	( 872.1 )	
Sullivan's Barn Cupola, 1934	Page 90	N.A. 1927	41° 20'	16.091 "			496.4	( 1354.6 )	
			71° 50'	39.132 "			909.9	( 485.2 )	
No. 1 (USE), 1934	Page 83	N.A. 1927	41° 20'	06.304 "			194.5	( 1656.5 )	Page
			71° 50'	26.319 "			612.0	( 783.2 )	
Fw3(USE), 1934	Page 83	N.A. 1927	41° 19'	50.427 "			1555.7	( 295.3 )	17
			71° 51'	07.893 "			183.5	( 1211.7 )	

MAP T.....	PROJECT NO.....	SCALE OF MAP.....	SCALE FACTOR.....
MAP T.....	PROJECT NO.....	SCALE OF MAP.....	SCALE FACTOR.....

[illegible]

COMPILATION REPORT  
Map Manuscript No. T-9085  
Project Ph-31(48)A

31: DELINEATION:

The compilation was accomplished entirely by graphic methods.

There were no unusual methods used for the compilation work.  
The field inspection was satisfactory.

For the areas of this map manuscript which fall within the detail limits of nautical chart No. 358, all planimetric details, except buildings, have been completely delineated.

For the areas of this map manuscript falling outside the detail limits of this nautical chart, only arterial highways, railroads, drainage, and landmark buildings have been delineated.

All buildings falling within an area approximately 300 meters back from the shoreline of this map manuscript have been delineated. Outside of this area only landmark buildings have been delineated.

32: CONTROL:

The horizontal control stations were well identified and the placement and density were satisfactory.

For additional facts, refer to Side Heading 23: "Adequacy of Control" of the Photogrammetric Plot Report which is included in the descriptive report for T-9083(1948)

33: SUPPLEMENTAL DATA:

Data used to supplement the photographs are as follows:

"Cable Routings around Fishers Island and Mainland",  
Black and White Print, Scale 1" = 7000 yds. approx.

34: CONTOURS AND DRAINAGE:

The stereoscope was used to verify the drainage delineated by the field inspection party. Drainage not indicated by field inspection was delineated by office examination of the photographs and by comparison with the U.S. Geological Survey MYSTIC, Conn.-N.Y.-R.I. and WATCH HILL, R.I.-Conn. 7 1/2 minute quadrangles.

Contours are not applicable.

35: SHORELINE AND ALONGSHORE DETAILS:

The mean high-water line and alongshore details were adequately field inspected and have been delineated as indicated on the field photographs.

There were no low-water lines delineated by field inspection, within the limits of this map manuscript and no attempt was made to determine this feature by office examination of the photographs.

In some places approximate shoal lines were delineated by office inspection of the photographs.

The field party identified numerous bare rocks extending above the plane of mean high-water and rocks awash that fall along the shoreline. These were delineated as indicated and referenced to the proper water plane.

Foul areas falling along the shoreline were delineated by the field inspection party. The more prominent outer rocks in these areas have been radially plotted and the rock awash symbol has been selected to indicate these particular rocks since the compiler could not determine by office examination if they were awash or bare. The areas have been outlined with a dashed line and noted as foul areas.

36: OFFSHORE DETAILS:

A breakwater has been shown offshore from Stonington Point.

37: LANDMARKS AND AIDS:

Forms 567 are being submitted with this descriptive report for the area of ~~Project Ph-31(48)A.~~

T-9085.

38: CONTROL FOR FUTURE SURVEYS:

Forms 524 are submitted for RHODES FOLLY LIGHT, 1948 and PRIVATE LIGHT, 1948. *Div. Photogrammetry General Files.*

There are no photo hydro stations.

39: JUNCTIONS:

Complete and satisfactory junctions have been made with adjoining map manuscripts.

40: HORIZONTAL ACCURACY:

There are no areas of this map manuscript that are believed to be of sub-normal horizontal accuracy.

46: COMPARISON WITH EXISTING MAPS:

A visual comparison was made with the U.S.G.S. MYSTIC, Conn.-N.Y.-R.I. and WATCH HILL, R.I.- Conn. 7 1/2 minute quadrangles, Scale 1:31680, Edition of 1944.

47: COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Nautical Chart 358 last printed 4/19/48 Scale, 1:20,000 hand corrected 12/13/48.

There are several minor differences in the shoreline.

A comparison was made with nautical chart No. 1211, Scale, 1:80,000, last printed 11/1/48, hand corrected 12/23/48.

The same difference noted for nautical chart 358 is also applicable to nautical chart No. 1211.

*SEE review 65.  
RIF*

Approved:

*Charles W. Clark*  
Charles W. Clark  
Chief of Party

Respectfully submitted:

*J. Edward Deal Jr.*  
J. Edward Deal, Jr.  
Cartographer  
*1/5/49*

T. 9085

## CONTROL STATIONS

### ALONGSHORE AREAS

## PHYSICAL FEATURES

## CULTURAL FEATURES

## BOUNDARIES

### MISCELLANEOUS

Supervisor, Review Section or Unit

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

## Compiler

Supervisor

M-2623-12

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  
TO BE DELETED

STRIKE OUT ONE

AND

Fishers Island Sound

1 October 1948

I recommend that the following objects which have ~~(been charted)~~ 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 J. E. Deal

These aids were submitted in L. 141 (1950)

/s/ Charles W. Clark

Chief of Party

STATE CONNECTICUT and RHODE ISLAND			POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE		LONGITUDE		DATUM							
			° ' "	D. M. METERS	° ' "	D. P. METERS								
F	WATCH HILL LIGHTHOUSE A lighthouse on Watch Hill Pt. RHODES FOLLY LIGHT		41 18	421.0	71 51	757.3	N.A.	Tri.	1873	x			358 1211	
FL.R.A	light on N. end of Sandy Pt.		41 19	1570	71 53	980	"	Rad. Plot 9085	1948	x			358 1211	
	This light is not listed in the 1950 Light List. (Probably inactivated since survey date.)													
	LANDMARKS													
STACK	AMERICAN VELVET CO. STACK Yellow brick, 175' high.		41 20	527.8	71 53	1312.0	N.A.	Tri.	1934	x			358 1211	
CUPOLA	OCEAN HOTEL CUPOLA Square Cupola on Hotel 75' high		41 18	1137.7	71 51	349.4	"	Tri.	1934	x			358 1211	
TANK	FORT HILL NEW TANK Squat, cylindrical, 10-legged 100' high		41 20	556.8	71 49	64.1	"	Tri.	1932 1934	x			1211	
STACK	AMERICAN THREAD COMPANY Round, brick, 165ft. high		41 21	1371.4	71 50	578.6	"	Tri.	1934	x			358 1211	
													23	

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



24 April 1950

MEMORANDUM FOR: DIRECTOR, U. S. COAST AND GEODETIC SURVEY, DEPARTMENT  
OF COMMERCE  
ATTN: Administrative Planning Section  
SUBJECT: Classification Clearance

1. Reference is made to your memorandum, file No. 734-rb, dated 24 February 1950, forwarding maps Nos. T-9083, T-9084, T-9085, and T-9086, for security clearance.

2. The above listed maps are returned herewith. There is no objection to their publication as unclassified.

FOR THE ASSISTANT CHIEF OF STAFF, G-2:

4 Incls

1. Map No. T-9083
2. Map No. T-9084
3. Map No. T-9085
4. Map No. T-9086

ERNEST A. BARLOW  
Colonel, GSC  
Chief, Security & Training Division

# GEOGRAPHIC NAMES

Survey No.

T-9085

Name on Survey

		A	B	C	D	E	F	G	H	K	
		On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	25	
•	Anquilla Brook ✓										1
•	Avondale ✓										2
•	Babcock Cove ✓										3
•	Barn Island ✓										4
•	Block Island Sound ✓										5
•	Certain Draw Point ✓										6
•	Chesebrough Pond ✓										7
•	Clarks Village ✓										8
•	Colonel Willie Cove ✓										9
•	Donahue Brook ✓										10
•	Duck Channel ✓										11
•	Edwards Point ✓										12
•	Evergreen Cemetery ✓										13
•	Fishers Island Sound ✓										14
•	Foster Cove ✓										15
•	Gavitt Point ✓										16
•	Goat Island ✓										17
•	Graves Neck ✓										18
•	Greenhaven Shore ✓										19
•	Hall Cove ✓										20
•	Hall Island ✓										21
•	Horace Island ✓										22
•	Ledwoods Island ✓										23
•	Little Narragansett Bay ✓										24
•	Major Island ✓										25
•	Maschaug Pond ✓										26
•	Mastuxet Brook ✓										27

# GEOGRAPHIC NAMES

Survey No.

T-9085

Name on Survey

		On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A	B	C	D	E	F	G	H	K		
c	Randall Neck ✓	.								1
c	River Bend Cemetery ✓	.								2
c	Rhodes Point ✓	.								3
c	Sandy Point ✓	.								4
c	Sassafras Island ✓	.								5
c	Shore Road ✓	.								6
c	South Anguilla Road ✓	.								7
c	Spring Pond ✓	.								8
c	Stanton Weir Point ✓	.								9
c	Stonington ✓	.								10
c	St. Sebastian Cemetery ✓	.								11
c	Sylvias Pond ✓	.								12
c	Thompson Cove ✓	.								13
c	U. S. Highway No. 1	.								14
c	U.S. Highway No. 1 & 1-A	.								15
c	Ward High School	.								16
c	Watch Hill ✓	.								17
c	Watch Hill Cove ✓	.								18
c	Watch Hill Point ✓	.								19
c	Watch Hill Road ✓	.								20
c	Wequetequock ✓	.								21
c	Wequetequock Cove ✓	.								22
c	Westerly ✓	.								23
c	West Broad St. ✓	.								24
c	Widow Burdick Cove ✓	.								25
c	Wilcox Park ✓	.								26
c	Avondale Road ✓	.								27

# GEOGRAPHIC NAMES

Survey No.

T-9085

Name on Survey

		On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
		A	B	C	D	E	F	G	H	K
o Mastuxet Cove ✓										1
o Mickill Pond ✓										2
o Misquamicut ✓										3
o Napatree Beach ✓										4
o Napatree Point ✓										5
o New York, New Haven & Hartford RR ✓										6
o No Bottom Pond ✓										7
o Ocean View Highway ✓										8
o Osbrook Cove ✓										9
o Foster Field ✓										10
o Elm Street Grade Sch. ✓										11
o Quarry Hill School ✓										12
o Rhodes Polly ✓										13
o Stonington Pt. ✓										14
o Bartlett Reef ✓										15
o Oxecosset Brook ✓										16
o Watch Hill C.C. Sta. ✓										17
o North Road ✓										18
o Pawcatuck ✓										19
o Pawcatuck Point ✓										20
o Pawcatuck River ✓										21
o Pawcatuck Rock ✓										22
o Pequot Trail ✓										23
o Perch Island ✓										24
o Potter Cove ✓										25
o Quana duck Cove ✓										26
o Ram Point ✓										27

# GEOGRAPHIC NAMES

Survey No.

T-9085

Name on Survey	A	B	C	D	E	F	G	H	K	
• East Breakwater ✓										1
• Westerly Hospital ✓										2
• Watch Hill Beach ✓										3
• East Beach ✓										4
• Misquamicut Golf Course ✓										5
• Misquamicut Hill ✓										6
• Thompsons Cor. ✓										7
• Misquamicut Beach ✓										8
• East Avenue ✓										9
• Jack Cove ✓										10
• Westerly Yacht Club										11
• Boston Post Road										12
										13
										14
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										27

M 234

• Names approved

6-21-50

A.J.W.

Review Report T-9085  
Shoreline Map  
28 June 1950

61. General Statement:

Field inspection and office compilation of this sheet was done in accordance with instructions for shoreline surveys. In addition, roads and drainage have been shown inland from the normal 200 to 300 meter shoreline limits.

62. Comparison with Registered Topographic Surveys:

T-88	1:10,000	1839-55
T-1734	1:10,000	1882-83
T-1736	1:10,000	1886

This survey supersedes the above listed surveys for nautical charting purposes.

63. Comparison with Maps of other Agencies:

Watch Hill, R.I.-Conn.	USGS	1:31,680	1944 edition
Mystic, Conn.-N.Y.-R.I.	USGS	1:31,680	1944 edition
Old Mystic, Conn.	USGS	1:31,680	1943 edition
Ashaway, Conn.-R.I.	USGS	1:31,680	1943 edition

Except for limitations listed under item 61 this survey supersedes the above quadrangles for nautical charting purposes.

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

358	1:20,000	49-10/10
1211	1:80,000	49-7/25

Numerous alongshore rocks shown in the foul areas appear to be awash. Many of these rocks were not referenced to any datum.

The shoreline is generally rocky throughout, and the rock awash symbol has been used extensively in the FOUL areas to indicate the more prominent rocks.

Those offshore features such as Dennison Rk, Academy Rk, Gangway Rk, Seal Rk, and Napatree Pt. Ledge are not discernible on the photographs and require investigation by the hydrographic party. Likewise, the dredged channel limits in the Pawcatuck River, Watch Hill Cove and in Little Narragansett Bay could not be seen on the photographs.

Review Report T-9085 - - - - - Page 2

No disposition was made of the cable area across the Pawcatuck River above Clarks Village.

Some geographic names have been added and changes and deletions have been reconciled in the geographic names section, notably deletion of Wequetequock River, the change from Elihu to Ledwoods Island, and the addition of Sassafras Island and three beaches along Block Island Sound.

Positions are listed for fixed aids and landmarks on Form 567 attached to this report.

66. Adequacy of Results and Future Surveys:

No field edit was made of this survey.

The map complies with the instructions set forth for this survey and with Bureau policy and complies with the National Standards of Accuracy.

*Note: Classification cleared. Secopy of letter attached to this D. Report.*  
Reviewed by:

Roscoe J. French  
Roscoe J. French

APPROVED BY:

L. V. Griffith  
Chief, Review Section  
Div. of Photogrammetry  
K. H. M.

H. Edmonston  
Chief, Nautical Chart Branch  
Division of Charts

O. S. Reading  
Chief, Division of Photogrammetry  
B. J. H.

W. M. Scaife  
Chief, Div. of Coastal Surveys  
C. H.

## NAUTICAL CHARTS BRANCH

SURVEY NO.

### 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.