11447

cc RS-715

Diag. Cht. No. 1211-2.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-142 *Office No.* T-11447

LOCALITY

State Connecticut - Rhode Island

General locality Block Island Sound

Locality Weekapaug Point to Watch Hill

1954

CHIEF OF PARTY

L.F.Woodcock, Chief of Party
W.F.Deane, Balto. District Office

LIBRARY & ARCHIVES

DATE April 1962

USCOMM-DC 5087

11447

DATA RECORD

T-11447

Project No. (II): Ph-142 Quadrangle Name (IV):

Field Office (II): Groton, Conn. Chief of Party: L. F. Woodcock

Photogrammetric Office (III): Baltimore, Md. Officer-in-Charge: William F. Deane

Instructions dated (II) (III): 8 June 1954
18 Aug. 1954
15 Sept. 1955

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Kelsh Plotter

Manuscript Scale (III): 1:10,000 Stereoscopic Plotting Instrument Scale (III): 1:4000 (Pantograph ratio 2/5)

Scale Factor (III): 1.000

Date received in Washington Office (IV): Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 29 Aug 1960

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

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

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): FORT HILL, 1873

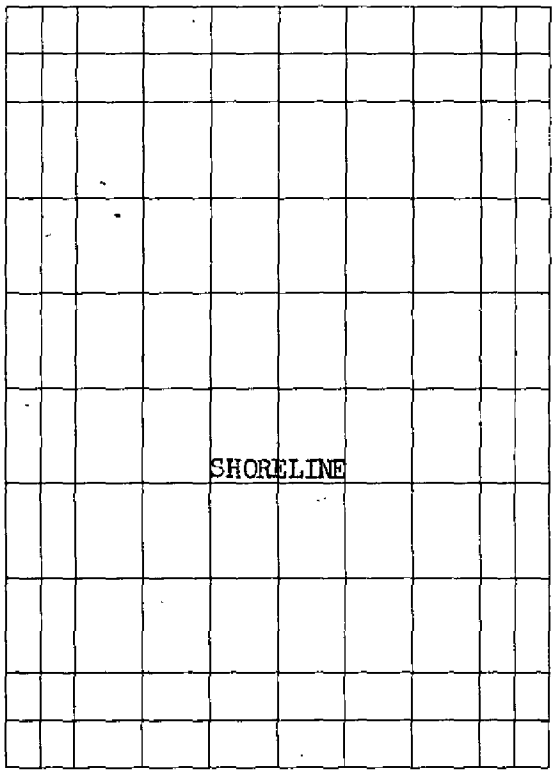
Lat.: 41° 20' 00.724" (22.3 m) Long.: 71° 49' 15.239" (354.4 m) Adjusted

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.



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

DATA RECORD

Field Inspection by (II): L. F. Beugnet — Date: Aug. 1954

Planetable contouring by (II): — Date:

Completion Surveys by (II): — Date:

Mean High Water Location (III) (State date and method of location):
22 April 1954 (date of Photography), photogrammetric

Projection and Grids ruled by (IV): A. Riley — Date: 7 Dec. 1954

Projection and Grids checked by (IV): A. Riley — Date: 7 Dec. 1954

Control plotted by (III): J. B. McDonald — Date: 20 Oct. 1955

Control checked by (III): J. Perrow — Date: 26 Oct. 1955

Radial Plot or Stereoscopic Control extension by (III): E. L. Rolle — Date: 24 May 1956

Stereoscopic Instrument compilation (III): Planimetry B. Kurs — Date: 8 August 1957

~~Contours~~ — Date: ----

Manuscript delineated by (III): C. A. Lipscomb (Scribing) — Date: 17 Aug. 1959

Photogrammetric Office Review by (III): J. W. Vonasek — Date: 10 Feb. 1958

Elevations on Manuscript checked by (II) (III): — Date:

M-2618-12(4)

Camera (kind or source) (III): C&GS type "W" - 6" focal length

PHOTOGRAPHS (III)

Number	Date	Time (E.S.T.)	Scale	Stage of Tide
54-W-771 thru 776	4/22/54	1530	1:20,000	1.0' above MLW
779J thru 802	"	1545	"	0.9 " "
1258 thru 1262	"	1500	"	0.3 " "
43742 thru 43744	4/24/54	1635	1:10,000	0.3 " "
43828	4/30/54	1230	"	0.1 below "

Tide (III)
(From predicted tables)

Ratio of Ranges	Mean Range	Spring Range
-	2.6	3.1
	2.7	3.2

Reference Station: NEW LONDON
Subordinate Station: STONINGTON, FISHERS ISLAND SOUND
Subordinate Station:

Washington Office Review by (IV): D K D Tygwood Date: DEC 16 1960

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): D K D Tygwood Date: AUG 29 1960

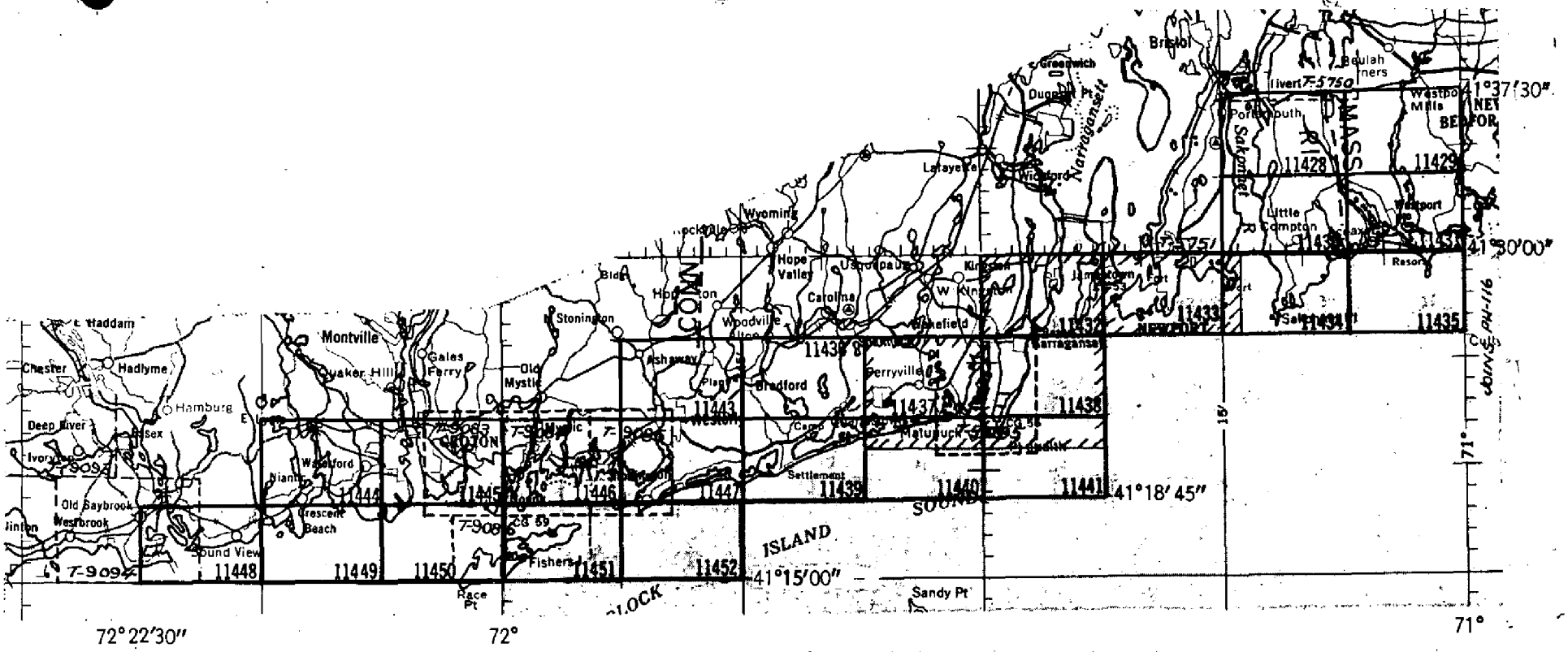
Land Area (Sq. Statute Miles) (III): 24
Shoreline (More than 200 meters to opposite shore) (III): 20 statute miles
Shoreline (Less than 200 meters to opposite shore) (III): 3 " "
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 49 Recovered: 42 Identified: 25
Number of BMs searched for (II): 4 Recovered: 3 Identified: 1
Number of Recoverable Photo Stations established (III): 1*
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

*In addition, one old station recovered.

SHORELINE MAPPING PROJECT PH-142

Block Island Sd., R.I. to [illegible]n. River, Conn.



OFFICIAL MILEAGE FOR COST ACCOUNTS

SHEET NO.	LIN.MI. SHORELINE	AREA SQ.MILES
11428	12	23
11429	10	26
11430	10	24
11431	35	22
11432	27	17
11433	26	7
11434	17	8
11435	4	1
11436	10	16
11437	22	25
11438	11	9
11439	25	13
11440	8	2
11441	3	1
11443	8	9
11444	35	25
11445	43	24
11446	40	15
11447	28	22
11448	30	8
11449	20	4
11450	8	3
11451	14	3
11452	4	1
TOTALS	450	308

----- Indicates shoreline revision

Topographic revision

SUMMARY
PROJECT PH 1142
TWENTY-FOUR

This project consists of 3 3/4' X 7½', 1:10,000 scale shoreline maps. Three manuscripts T-11444, T-11448 and T-11449 were compiled by the Tampa District Office. The remainder were compiled by the Baltimore District Office.

The objective of the project was to provide shoreline and horizontal control data for contemporary hydrographic surveys and base maps for nautical charts.

It extends from the New Bedford, Connecticut area west to Old Saybrook along Block Island Sound and includes parts of Massachusetts, Rhode Island, and Connecticut.

Aerial photography was taken in the spring of 1954 with the "W" camera at 1:20,000 scale and supplemental nine-lens at 1:10,000 at low water. Some additional photography was flown in May 1956 for revision purposes.

Control was extended by stereoplanigraph and multiplex methods. Compilation was accomplished by Kelsh.

More stations were identified than necessary for this project. This was due to the fact that the original intentions were to extend horizontal control by radial line plot methods. Subsequent purchase of an additional first order bridging instrument reduced the need for the density of control. This item is the subject of supplemental instructions dated 15 September 1955, Paragraph 5. The field phase of control identification was initiated in June 1954.

The project is classified as Shoreline yet instructions to the field dated 8 June 1954, Paragraph 9 "Interior Inspection" states "the inland limits of inspection and delineation are the map limits".

Five contemporary hydrographic surveys dated 1956-57 have been completed in this area by visual hydrographic methods.

~~All~~ The sheets ~~were~~ were scribed and transmitted to the Washington Office by Baltimore District Office

Final Review was completed by April 1960.

Submitted by:

A. K. Heywood

2. AREAL FIELD INSPECTION

The shoreline sheet covers part of the southern coast of the states of Rhode Island and Connecticut.

The salient features of the area are the towns of Westerly, Rhode Island and Pawcatuck, Connecticut. These towns are of an industrial nature.

The Pawcatuck River flows southward through the area and empties into Little Narragansett Bay.

The summer resorts of Atlantic Beach, Misquamicut and part of Watch Hill border the coast and are active in the summer months with vacationists.

Special attention is called to the area along the outer coast, outlined in violet ink on photographs 54-W-1259, 54-W-1260 and 54-W-1261, and labeled "Storm damaged area." This area was inspected prior to the hurricane of 31 August 1954. Another visit later revealed extensive storm damage with from 80 to 90 per cent of the buildings damaged or completely destroyed. The road along Atlantic Beach was impassible at this time. This area should be inspected by the field edit party.

Other than the above mentioned area, no area was purposely left for the field edit party and field inspection is believed to be complete.

The photographs being of recent date and of good quality,there was no difficulty in interpretation.

Field inspection notes were applied to 1:10,000 scale ratio prints of single lens photographs 54-W-799J through 54-W-802, 54-W-771 through 54-W-776 and 54-W-1258 through 54-W-1261.

3. HORIZONTAL CONTROL

All Coast and Geodetic Survey stations within the limits of the sheet were searched for.

The following stations were reported lost: DUNN'S HOUSE, WHITE CHIMNEY 1873; PLEASANT VIEW(USE)1909; EAST FRONT RANGE 1944; WEST FRONT RANGE 1944; and SULLIVANS BARN CUPOLA 1934.

No supplemental control was established.

4. VERTICAL CONTROL

Three tidal bench marks within the area were searched for and reported on Form 685. One of these were identified on the photographs.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

Drainage is mostly through small streams and intermittent streams into the Pawcatuck River and through swamps to Little Narragansett Bay and Winnapaug Pond.

The drainage has been noted on the photographs.

6. WOODLAND COVER

The woodland cover was classified in accordance with reference 5433 of the Topographic Manual, Part II, and project instructions.

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline along the outer coast was inspected prior to the hurricane of 31 August 1954. Storm damage through this area was extensive and the shoreline should be re-inspected by the field edit party.

The shoreline along the Pawcatuck River was inspected on 15 September 1954 and is complete. There was minor damage due to the storm with only a few small piers being destroyed. These were deleted in green ink on the photographs.

The shoreline in the Pawcatuck River is mostly of fast land with short stretches of marsh in some areas. The alongshore and foreshore areas are usually lined with large rock and boulders.

A few small marsh areas offshore have large boulders within their limits giving them a white appearance on the photographs. These have been labeled on the photographs.

A submerged cable shown on Chart No. 358 is to be deleted. The cable is non-existent. There are no other cable crossings.

No other shoreline features were noted.

8. OFFSHORE FEATURES

No offshore features for investigation by the hydrographic party were noted.

9. LANDMARKS AND AIDS

All landmarks for charting have been recommended on Form 567. There are no aids to navigation within the limits of the sheet, except an airway beacon at Westerly Airport.

10. BOUNDARIES, MONUMENTS AND LINES

There are no monuments on the boundary line within the map limits.

11. OTHER CONTROL

No other control was established.

12. OTHER INTERIOR FEATURES

All roads have been inspected and classified in accordance with reference 5441 of the Topographic Manual.

All class 1 buildings, other than public buildings, to be mapped have been indicated by circling the image of the building in red ink. The class 2 buildings to be mapped have been indicated by the numeral 2 in red ink on the image of the building.

The Westerly Airport is the only landing field within the area.

The only bridge in the area is a small fixed bridge at the entrance to Winnapaug Pond. The clearances have been noted on the photographs and are as follows:

Horiz.Clearance 49.0 ft., Vertical Clearance 5.0 ft@ 0950 EDST 8/30/54.

13. GEOGRAPHIC NAMES

No discrepancies were noted during field inspection.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Special Report, State Boundaries, Project Ph-142, to be forwarded at a later date.

Letter of Transmittal No. Ph-142-3, Form 567, Aids to Navigation, to be forwarded to Washington Office at a later date.

Letter of Transmittal No. Ph-142-4, Form 567, Landmarks for Charts, to be forwarded to Washington Office at a later date.

Letter of Transmittal No. Ph-142-21, Data, Map T-11447, forwarded to Washington Office

OCT 25 1954

Submitted
25 October 1954

Leo F. Beugnet

Leo F. Beugnet
Cartographic Survey Aid

Approved & Forwarded

OCT 25 1954

Lorin F. Woodcock

Lorin F. Woodcock
Chief of Party

Photogrammetry

MAP T-11447 PROJECT NO. Ph-142 SCALE OF MAP 1:10000 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)
American Thread Company Stack 1934 (Conn)	1/90 276/20-34	NA 1927	41-21-44.454	1371.4	(479.6)	1851.0				
			71-50-24.893	578.6	(816.0)	1394.6				
American Thread Company elevated tank, 1934 (Conn)	1/90 276/20-34	"	41-21-44.547	1374.3	(476.7)	1851.0	Pricked			
			71-50-22.480	522.5	(872.1)	1394.6	Direct			
Babcock Cupola, 1934 (RI)	1/19 276/22-34	"	41-18-58.581	1807.2	(43.8)	1851.0	Pricked			
			71-50-38.920	905.2	(490.4)	1395.6	Direct			
Barn, 1934 (Conn)	1/81 276/21-34	"	41-19-45.136	1392.4	(458.6)	1851.0				
			71-52-07.836	182.2	(1213.1)	1395.3				
SS Barn, 1934		"	41-19	1418.0	(433.0)	1851.0				
			71-52	173.3	(1222.0)	1395.3				
Bentley, 1873	1/75 499/17-5-16	"	41-21-51.360	1584.5	(266.5)	1851.0				
			71-45-33.381	775.8	(618.7)	1394.5				
Brick Silo, (RI) 1934	1/21 nd	"	41-21-32.12	990.9	(860.1)	1851.0	Pricked			
			71-46-30.81	716.1	(678.5)	1394.6	Direct			
Browning, J. M. (USE) (RI) 1909	1/120 499/3-4	"	41-18-53.996	1665.8	(185.2)	1851.0				
			71-50-30.144	701.1	(694.5)	1395.6				
Brown's E. house chimney, 1873	1/123 499/5	"	41-19-53.67	1655.7	(195.3)	1851.0				
			71-45-25.74	598.6	(796.6)	1395.2				
Chapman (USE) 1909	1/76 499/5-13-16-18	"	41-19-54.904	1693.8	(157.2)	1851.0	Pricked			
			71-45-24.217	563.1	(832.1)	1395.2	Direct			
Chesbro, 1934	1/82 276/32-34	"	41-20-22.426	691.8	(1159.2)	1851.0				
			71-50-08.564	199.1	(1195.9)	1395.0				
SS Chesbro, 1934		"	41-20	691.5	(1159.5)	1851.0				
			71-50	217.9	(1177.1)	1395.0				

1 FT. = .3048006 METER

M-2388-12

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Club House (USE) (RI), 1909	1/120 499/4-21	NA 1927	41 19 18.654	575.5	(1275.5)	1851.0				
			71 50 01.903	44.3	(1351.2)	1395.5				
SS Bentley, 1873		"	41 21	1561.1	(289.9)	1851.0				
			71 45	796.4	(598.1)	1394.5				
Dunn's house White, Chimney, 1873	1/123 499/5	"	41 21 05.83	179.9	(1671.1)	1851.0	No house in this position See form 526			
			71 46 07.56	175.7	(1219.1)	1394.8				
East Rear Range, 1944	1/93 499/18	"	41 20 31.084	958.9	(892.1)	1851.0	Pricked			
			71 46 01.081	25.1	(1369.9)	1395.0	Direct			
F2 (USE) 1934	1/15 276/21-34	"	41 19 35.784	1103.9	(747.1)	1851.0				
			71 51 15.324	356.4	(1039.0)	1395.4				
F3 (USE) 1934	1/15 276/21-34	"	41 19 50.427	1555.7	(295.3)	1851.0				
			71 51 07.893	183.5	(1211.7)	1395.2				
SS F3 (USE) 1934		"	41 19	1533.3	(317.7)	1851.0				
			71 51	184.8	(1210.4)	1395.2				
Fort Hill, 1873	1/14 276/22-34	"	41 20 00.724	22.3	(1828.7)	1851.0	Pricked			
			71 49 15.239	354.4	(1040.8)	1395.2	Direct			
Fort Hill New Tank, 1932	1/92 276/24-29	"	41 20 18.048	556.8	(1294.2)	1851.0				
			71 49 02.755	64.1	(1331.0)	1395.1				
Foster, 1934	1/13 276/22-34	"	41 19 02.346	72.4	(1778.6)	1851.0	Pricked			
			71 51 35.953	836.2	(559.4)	1395.6	Direct			
Frost, 1873	1/82 276/19-20-21-34	"	41 20 57.037	1759.6	(91.4)	1851.0				
			71 51 03.368	78.3	(1316.5)	1394.8				

1 FT. = .3048006 METER

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SS Frost, 1873		NA 1927	41 20	1792.1	(58.9)	1851.0				
			71 51	108.0	(1286.8)	1394.8				
Horace, 1934	1/15 276/23-35	"	41 19 38.375	1183.9	(667.1)	1851.0				
			71 50 49.194	1144.0	(251.4)	1395.4				
SS Horace, 1934		"	41 19	1187.8	(663.2)	1851.0				
			71 50	1119.3	(276.1)	1395.4				
Misquamicut clubhouse, 1934	1/20 276/22-34	"	41 19 16.881	520.8	(1330.2)	1851.0	Pricked			
			71 50 01.979	46.0	(1349.5)	1395.5	Direct			
Moore's Cupola, 1934	1/20 276/23-35	"	41 20 08.74	269.6	(1581.4)	1851.0	Pricked			
			71 50 06.79	157.9	(1237.3)	1395.2	Direct			
Munro Florist Co. Stack, 1934	1/20 276/23-35	"	41 21 51.360	1584.5	(266.5)	1851.0	Pricked			
			71 49 54.277	1261.5	(133.0)	1394.5	Direct			
No. 1 (USE) (Conn) 1909	1/277 nd	"	41 19 21.112	651.3	(1199.7)	1851.0	Destroyed See No. 276 p. 34 RL			
			71 51 37.729	877.5	(518.0)	1395.5				
SS No. 1 (USE) (Conn), 1909		"	41 19	648.9	(1202.1)	1851.0				
			71 51	882.1	(513.4)	1395.5				
4 (USE) 1934	1/15 276/23-35	"	41 20 09.407	290.2	(1560.8)	1851.0				
			71 50 07.494	174.3	(1220.9)	1395.2				
Owen's Cupola, 1934	1/20 276/23-35	"	41 20 07.797	240.5	(1610.5)	1851.0				
			71 49 43.769	1017.7	(377.5)	1395.2				
Palmero, 1934	1/82 276/20-34	"	41 20 55.369	1708.1	(142.9)	1851.0				
			71 50 28.193	655.4	(739.4)	1394.8				

1 FT. = .3048006 METER

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Palmer's Cupola, 1934	1/90 276/20-34	NA 1927	41 21 02.70	83.3	(1767.7)	1851.0	Pricked			
			71 50 17.21	400.1	(994.7)	1394.8	Direct			
Pawkatuck 2, (Conn) (Conn. Geod. S.), 1938	1/260 276/28	"	41 22 11.915	367.4	(1483.6)	1851.0				
			71 50 41.849	972.6	(421.8)	1394.4				
SS Pawkatuck 2 (Conn) (Conn. Geod. S.), 1938		"	41 22	362.3	(1488.7)	1851.0				
			71 50	974.0	(420.4)	1394.4				
Point (USE), 1934	1/15 276/34	"	41 19 19.791	610.6	(1240.4)	1851.0				
			71 51 04.091	95.1	(1300.4)	1395.5				
Rock Ridge, 1934	1/83 276/20-34	"	41 22 01.350	41.6	(1809.4)	1851.0				
			71 50 30.781	715.4	(679.1)	1394.5				
Sta. No. 1408 (CGS), 1936	Photo-stat Page 2	"	X 848 032 88	3033	1967	5000				
			Y 193 207 58	3208	1792	5000				
Sta. No. 1409 (CGS), 1936	Photo-stat Page 4	"	X 849 090 90	4091	909	5000				
			Y 193 764 54	3765	1235	5000				
STA. No. 1431 (CGS), 1936	Photo-stat Page 3	"	X 846 835 94	1836	3164	5000				
			Y 198 150 71	3151	1849	5000				
Sta. No. 2800 (CGS), 1940	"	"	X 840 806 96	807	4193	5000				
			Y 194 150 71	4151	849	5000				
Sta. No. 2961 (CGS), 1941	"	"	X 841 535 68	1536	3464	5000				
			Y 194 475 77	4476	524	5000				
SS Sta. No. 2961 (CGS), 1941		"	X 841 540 70	1541	3459	5000				
			Y 194 307 35	4307	693	5000				

1 FT. = .3048006 METER

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Sunnyland's Chimney, 1934	1/20 RI 276/23-35	NA 1927	41 20 38.648	1192.3	(658.0)	1851.0				
			71 49 33.265	773.4	(621.6)	1395.0				
Thompson, 1934	1/14 RI 276/23	"	41 20 43.074	1328.8	(522.2)	1851.0	Pricked			
			71 49 27.949	649.8	(745.1)	1394.9	Direct			
Trumbell, Flagpole, 1934	1/18 RI 276/22-35	"	41 19 09.240	285.1	(1565.9)	1851.0				
			71 51 23.992	558.0	(837.6)	1395.6				
Westerly, grey standpipe (RI), 1932	1/92 RI 276/23-35	"	41 22 26.083	804.7	(1046.3)	1851.0				
			71 49 09.989	232.1	(1162.2)	1394.3				
Westerly, Hospital Stack, 1934	1/20 RI 276/23-35	"	41 21 43.622	1345.7	(505.3)	1851.0	Pricked			
			71 49 32.782	762.0	(632.6)	1394.6	Direct			
Westerly, Standpipe, 1934	1/92 RI 276/23-35	"	41 22 27.344	843.6	(1007.4)	1851.0	Pricked			
			71 49 03.537	82.2	(1312.1)	1394.3	Direct			
West Rear Range, 1944	1/93 499/18	"	41 20 17.962	554.1	(1296.9)	1851.0	Pricked			
			71 47 18.936	440.3	(954.8)	1395.1	Direct			
2 (USE), 1934	1/81 276/21-34	"	41 19 23.278	718.1	(1132.9)	1851.0				
			71 51 38.206	890.9	(504.6)	1395.5				
2 (USE), 1934 Sub. pt.		"	41 19	751.5	(1099.5)	1851				
			71 51	876.6	(518.9)	1395.5				
No. 1, (U.S.E.),	1/277 276/21-34	"	41 20 06.304	194.5	(1656.5)					
			71 50 26.319	612.0	(783.2)					
No. 1, (U.S.E.), Sut. Sta.		"	41 20	195.6	(1655.4)					
			71 50	606.9	(788.3)					

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: J. B. McDonald DATE 20 October 1955 CHECKED BY: J. Perrow DATE 26 October 1955

COMPILATION REPORT
Project Ph-142
T-11447

Photogrammetric Plot Report is part of the descriptive report for survey T-11440.

31. DELINEATION

The Kelsh plotter was used for delineation on vinylite projection.

32. CONTROL

Horizontal control was adequate. Vertical control is inapplicable.

33. SUPPLEMENTAL DATA

Bureau Survey No. T-9085 (1948) scale 1:10,000 was used for geographic names and indications of offshore rocks. See paragraph 36.

Final Name Standard was dated 12/15/54.

34. CONTOURS AND DRAINAGE

Drainage is complete. Contours are inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

All shoreline details are from field inspection. Low water lines are based on field inspection.

Refer to paragraph 7 of the field report regarding storm damage on the outer coast.

36. OFFSHORE DETAILS

Several rocks shown on Survey T-9085 (1948) and not indicated by field inspection were office identified on the photographs.

Three features with geographic names could not be delineated. See paragraph 49.

37. LANDMARKS AND AIDS

Forms 567 were submitted for four landmarks and one aeronautical aid.

38. CONTROL FOR FUTURE SURVEYS

A set of 1:10,000 scale ratio prints showing points for photo-hydro control has been prepared.

Recovery Forms 524 have been submitted for one recoverable topographic station recovered and one lost.

39. JUNCTIONS

Junctions have been made as follows:
To the north with T-11443
To the east with T-11439
To the south with T-11452
To the west with T-11446

40. HORIZONTAL AND VERTICAL ACCURACY

Correction of shoreline and other details may be required along the shore of Block Island Sound (see photographs 1259 through 1261)

41. BOUNDARIES

The Connecticut-Rhode Island state boundary was plotted to scale from coordinates given in appendix 5 of the boundary report and transferred to the manuscript holding the position of an identified boundary monument on the bridge at Westerly and station FORT HILL, 1873.

42. BRIDGE DATA

The following is the comparison of the field party measurements and the bridge book:

		Horizontal Clearance	Vertical Clearance MLW	MHW
WINNAPAUG POND				
Fixed Hwy	Engrs	50 ft.	9.5	6.5
	Field	49 ft.	8.1	5.6

43 through 45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

USGS 7½ minute quadrangle Watch Hill, Rhode Island-Connecticut, scale, 1:31680, 1953.

Bureau Survey No. T-9085 (1948) scale 1:10,000.

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 1211, scale 1:80,000, published January 17, 1941, revised 4/15/57.

Chart No. 358, scale 1:20,000 published December 12, 1942, corrected to 5/11/56.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
10 February 1958

Joseph W. Vonasek
Carto. (Photo.)

Approved and forwarded

William F. Deane,
CDR, C&GS
Baltimore District Officer

FORM 182
(6-12-56)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T-11447

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

4a. Classification label ✓

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy ✓ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ✓ 7. Photo hydro stations — 8. Bench marks ✓
9. Plotting of sextant fixes — 10. Photogrammetric plot report ✓ 11. Detail points ✓

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads ✓ 28. Buildings ✓ 29. Railroads ✓ 30. Other cultural features ✓

BOUNDARIES

31. Boundary lines ✓ 32. Public land lines —

MISCELLANEOUS

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

40. Joseph W Vonacek
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:

COMM-DC 34529

49. NOTES FOR THE HYDROGRAPHER

A set of 1:10,000 scale ratio prints has been prepared showing detail points for use in locating photo-hydro signals.

Two recoverable topographic stations appear on the manuscript:

SPIRE, 1935
RADIO MAST, 1954

The following offshore features could not be identified on the photographs and have not been delineated:

Dennison Rock
Old Reef
Seal Rock

Perch Island is shown on Chart No. 358 as a highwater island, but is not visible on the photographs with approximately 2-foot stage of tide. Verify existence of the island and the application of the name.

Form 567
April 19[illegible]

U.S. DEPARTMENT OF COMMERCE
COAST AND G[illegible]ETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED / TO BE RELEVED — STRIKE OUT ONE

Baltimore, Maryland 26 Oct., 1938

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks be charted on (do not be charted) the charts indicated.

The positions given have been checked after listing by Henry P. Eichert

William W. Deane *Chief of Party.*

STATE RHODE ISLAND AND CONNECTICUT

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
TANK	Water, steel, ht=105(205) (△ Fort Hill New Tank, 1932)		41 20	10.0[illegible] 556.8	71 49	02.755 66.1	NA 1927	Triang. T-11[illegible]7	1932		x		1211
TANK	Water, steel, ht=135(142) (△ Amer. Thread Co. Elev. Tank, 1934)		41 21	44.547 1376.3	71 50	22.480 522.5	"	"	1934	x			358
SPIRE	Water, ht=100(120) (⊙ Spire, 1935)		41 22	27.072 835	71 49	51.643 1196	"	Theod. T-11[illegible]7	1935	x			358
RADIO MAST	WEBI, Skeleton Steel, ht=182(187) (⊙ Radio Mast, 1934)		41 21	58.18 1795	71 50	9.25 215	"	"	1934	x			358

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

Comm-DC 28356

Form 567
April 19

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

~~NONFLOATING AIDS OR LANDMARKS~~ FOR CHARTS

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

~~AERONAUTICAL AIDS~~ Baltimore, Maryland Oct. 26, 1956

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 Henry P. Eichert

William P. Deane
Chief of Party.

STATE RHODE ISLAND

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
AERO	~~(⊙ Westerly Airport Beacon~~ rotating W & G, 1956)		41 21	01.13 35	71 48	24.65 575	NA 1927	Ir note T-11647	1956				

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

Comm-DC 28356

48. GEOGRAPHIC NAMES LIST

Anguilla Brook
Avondale
Atlantic Beach

Babcock Cove
Barn Island
Block Island Sound
Boston Post Road

Certain Draw Point
Chesebrough Pond
Clarks Village
Colonel Willie Cove
Connecticut

Doctor Lewis Pond
Duck Channel
Dunn Corner

East Beach

Foster Cove

Gavitt Point
Graves Neck
Greenhaven Shore
Greenhaven Road

Hall Cove
Hall Island
Horace Island

Jack Cove

Little Narragansett Bay
Long Pond

Major Island
Maschaug Pond
Mastuxet Brook
Mastuxet Cove
Misquamicut [redacted]
Misquamicut Beach
Misquamicut Hill

New York, New Haven & Hartford R.R.
No Bottom Pond

Ocean View Highway
Old Shore Road
Osbrook Cove

Pawcatuck
*Pawcatuck Point
Pawcatuck River
Pawcatuck Rock
Perch Island
Pooter Cove

Quonochontaug Pond

Rabbit Hill
Ram Point
Rhode Island
Rhodes Point

Sassafras Island
Shore Road
South Anguilla Road
Spring Pond
Stanton Weir Point

Thompson Cove
Thompsons Corner

Watch Hill
Watch Hill Cove
Watch Hill Road
*Weekapaug
*Weekapaug Point
West Broad Street
Westerly
Westerly Airport
Widow Burdick Cove
*Winnapaug Pond
Woody Hill Reservation
Woody Hill Road

* B.G.N. Decisions

George M. Baer
GEOGRAPHIC NAMES SECTION
5 May 1960

Review Report T-11447 & T-11452
Shoreline
April 28, 1960

62. Comparison with Registered Topographic Surveys

88	1:10,000	1839-55
1734	"	1882-83
1736	"	1886
9085	"	1948

The new survey supercedes the above previous surveys in common area for new nautical chart construction. Survey T-9085 was carefully compared with latest photography. Where offshore rocks appeared on T-9085 and could be seen on at least two photographs, they were added during final review. The photographs were taken at .3' above MLW.

63. Comparison with Maps of Other Agencies

USGS Watch Hill, R. I.-Conn. 1:31,680 1953

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

1211 1:80,000 7 Ed. Jan. 17, 1941 Revised 8/24/59

66. Adequacy of Results and Future Surveys

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

Submitted by

A. K. Heywood

Approved

L. C. Lande, Chief
Review Section

L. W. Swanson, Chief
Photogrammetry Division

4/3/62

Marvin T. Paulson
Chief, Chart Division

G. L. Mast
Chief, Coastal Surveys
Division

NAUTICAL CHARTS BRANCH

SURVEY NO. 11447

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
3/27/62	358	J.P.W.	~~Before~~ After Verification and Review Partially applied
8-23-73	358	DL Pattilow	~~Before~~ After Verification and Review FULLY APPLIED SUPERCEDED BY BP 62281 RS-715
			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
			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.