

5749

Diag'd. on Diag. Ch. No . 1210-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic (Shoreline)

Field No. CS-310 Office No. T-5749

LOCALITY

State Rhode Island

General locality Narragansett Bay

Locality Greenwich Bay and Warren River

194 4

CHIEF OF PARTY

R.W. Knox

LIBRARY & ARCHIVES

DATE _____

B-1870-1 (1)

5749

1718
1/18/44

6 FEB 1950

Director
U. S. Coast and Geodetic Survey
Department of Commerce
Washington, D. C.

ATTN: Mr. C. Davies

Dear Sir:

Reference is made to the verbal inquiries made by Mr. Kunis, U. S. Coast and Geodetic Survey, concerning declassification of aerial photography of certain areas located in the First Army area. Mr. Kunis requested the following information:

- (1) Appropriate classification of aerial photography of the area of New Bedford, Massachusetts. ^{47C1677-1760}
- (2) Appropriate classification of shoreline survey maps covering the Narragansett Bay area.

T-5748
T-5749
T-5750
T-5751
- (3) Appropriate classification of eight (8) aerial photographs of Portland, Maine and vicinity.

47C - 2117-2123

The photographic material and maps indicated above may be released or published as unclassified material.

Very truly yours,

A. HANSEN
Colonel, USAF
Chief, Reconnaissance Branch
Air Intelligence Requirements Div.
Directorate of Intelligence

DATA RECORD

T- 5749

Quadrangle (II): T-5749

Project No. (II): CS 310

Field Office: Washington Office

Chief of Party: R. W. Knox
Chief of Section

Compilation Office: Washington

Chief of Party: R. W. Knox
*Chief of Section*Instructions dated (II III): Sept 30 + Oct 2, 1944
~~Informal instructions only.~~~~Copy filed in Descriptive~~
~~Report No. T- (VI)~~
Copy filed in Div. of Photogrammetry,
Office Files.~~Manuscript completed in Washington~~
~~Completed survey received in office;~~

5/10/45

Reported to Nautical Chart Section:

5/29/45

Reviewed: *May 18, 1945*
~~5/45~~

Applied to chart No. 278

Date: May 1945

353 (Part)

June 1945

Redrafting Completed:

1210

"

"

Registered: 9-2-49

~~Published;~~

Compilation Scale: 1:20,000

~~Published Scale;~~

Scale Factor (III): 1.0

Geographic Datum (III): N.A. 1927

Datum Plane M.H.W.

~~Datum Plane (III): M.S.L.~~

Reference Station (III):

Chip, 1913

Lat.: 41°40'24.061"

Long.: 71°26'31.877"

Adjusted
~~Unadjusted~~

State Plane Coordinates (VI): None

X =

Y =

Military Grid Zone (VI)

None

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
2145 - 2156	7-1-44	9:30 A.M.	1:20,000	
2160 - 2168	7-1-44	9:45 A.M.	1:20,000	
2180 - 2195	7-1-44	10:30 A.M.	1:20,000	
2122	6-27-44	12:15 P.M.	1:20,000	
7418	10-41		1:24,000	

Tide from (III):

Mean Range:

Spring Range:

Camera: (Kind or source) U.S.C. & G.S. single lens and nine lens

Field Inspection by: Ralph Moore Berry and Dwight L. Greene date: Oct., 1944

Field Edit by: None date:

Date of Mean High-Water Line Location (III): Same as date of photographs.

Projection and Grids ruled by (III) Ruling Machine date: Sept., 1944

" " " checked by: " " date: Sept., 1944

Control plotted by: J. N. Henningsen date: Nov., 1944

Control checked by: K. N. Maki date: Nov., 1944

Radial Plot by: D. L. Greene date: Dec., 1944

Detailed by: Wm. F. Doescher & Edward H. Snyder date: May 1, 1945

Reviewed in ^{Washington} compilation office by: J. L. Rihn date: May 10, 1945

~~Elevations on Field Edit Sheet~~
checked by: ~~date:~~

STATISTICS (III)

Land Area (Sq. Statute Miles);

Shoreline (More than 200 meters to opposite shore);

Shoreline (Less than 200 meters to opposite shore);

Number of Recoverable Topographic Stations established;

Number of Temporary Hydrographic Stations located by radial plot;

Leveling (to control contours) - miles;

Roman numerals indicate whether the item is to be entered by,

(II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname
and initials (not initials only).

Remarks;

MAP T..... PROJECT NO..... SCALE OF MAP..... 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)
Whitman, 1838		NA	41 40 33.351				
		1927	71 27 19.463				
Patience, 1843		"	41 39 32.929				
Prudence (USE), 1909		"	71 21 24.669				
		"	41 39 32.744	Plotted			
		"	71 20 31.311				
		"	41 40 21.638	"			
Squash 1913		"	71 18 24.099				
Hog Island		"	41 38 36.117				
Searchlight, 1913		"	71 16 51.047				
Bristol, Stack, 1932		"	41 40 22.055				
		"	71 16 17.620				
Bristol, Black Tank, 1932		"	41 40 24.587	Plotted			
		"	71 16 10.620				
Sandy Point, 1863		"	41 39 42.759	"			
		"	71 24 37.238				
Bell, 1913		"	41 39 36.424	"			
		"	71 21 59.344	"			
		"	41 40 15.199				
Sally, 1913		"	71 25 33.885	"			
		"	41 40 24.061	"			
Chip, 1913		"	71 26 31.877				
		"	41 40 00.618				
Long, 1913		"	71 26 26.671				

MAP T

PROJECT NO.

SCALE OF MAP

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		DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
Pat, 1913		NA	41	39	06.422						
		1927	71	21	45.656						
Pojac 2, 1913		"	41	39	03.370						
			71	24	29.133						
Wall, 1913		"	41	39	46.581						
			71	24	34.562						
Windmill, 1913		"	41	40	27.04	Plotted					
			71	22	28.63						
Flagstaff, 1913		"	41	40	20.336	"					
			71	23	23.613						
White House,		"	41	41	10.634						
S. Gable, 1913		"	71	25	40.061						
East Greenwich, Luth.		"	41	39	48.690	"					
Ch. Spire, 1913		"	71	27	20.176						
East Greenwich,		"	41	39	51.41						
Brick Chy, 1913		"	71	26	46.31						
East Greenwich,		"	41	39	51.48						
Yellow Chy, 1913		"	71	26	54.68						
East Greenwich,		"	41	39	43.29	"					
Courthouse, 1913		"	71	27	03.49						
North Point, Ho.		"	41	39	59.536						
Chy, 1912		"	71	20	43.359						
Patience l., Water		"	41	39	26.967						
Tower, 1912		"	71	21	53.097						

1 FT. = 3048006 METER

COMPUTED BY:

DATE

CHECKED BY:

DATE

M-2388-12

MAP T

PROJECT NO.

SCALE OF MAP

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		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)	FORWARD	(BACK)
Aldrich's Tower, 1912		N/A 1927	41 41 00.516 71 22 41.381	Plotted						
Apponaug, Court- house, Ctr, 1913		"	41 41 56.654 71 27 32.754	"						
Apponaug, Yellow chs, 1913		"	41 41 58.759 71 27 42.206	"						
Apponaug Spire, 1843		"	41 41 55.31 71 27 30.18	"						
Kid, 1913		"	41 41 36.471 71 17 34.885	"						
Conimicut Light house, 1897		"	41 43 00.770 71 20 44.193	"						
Rocky Point (USE), 1913		"	41 41 29.329 71 21 50.275	"						
Nagatt Lighthouse, 1863		"	41 43 30.132 71 20 21.964	"						
Green (USE), 1913		"	41 43 56.718 71 22 44.056							
Gaspe (USE), 1913		"	41 44 33.581 71 22 47.246	"						
Bullocks Neck 2, 1912		"	41 44 42.505 71 21 35.244							
Colt, 1913		"	41 40 56.52 71 17 53.13							

1 FT. = 3048006 METER
COMPUTED BY:

DATE

CHECKED BY:

DATE

M-2368-12

MAP T.

PROJECT NO.

SCALE OF MAP

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		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)
Rum, 1913		N.A.	41	42	22.234						
Warren, Water		1927	71	18	09.253						
Tower, 1912		"	41	422	16.43	Plotted					
Black Water Tank			71	16	48.82						
Windmill on Top, 1913		"	41	43	39.813						
Ballou, Flagstaff,			71	19	11.788						
1913		"	41	44	19.412						
			71	20	49.301						
Bullocks Point			41	44	15.428	"					
Lighthouse, 1897		"	71	21	52.906						
West Barrington,			41	44	50.110	"					
Water Tr, 1912		"	71	20	51.125						
Barn, White			41	42	22.83						
Cupola, 1863		"	71	46	55.54						
Warren, Meth.			41	43	48.25	"					
Ch. Spire, 1863		"	71	17	02.83						
Bristol Wh. Meth.			41	40	14.821						
Ch. Spire, 1843		"	71	16	31.976						
			41	38	58.583	"					
Pop, 1913		"	71	18	05.285						
Hog Island 3,			41	38	39.930						
1874		"	71	16	50.930						
Bristol Court house,			41	40	12.117	"					
1843		"	71	16	25.776						

1 FT. = .3048006 METER

COMPUTED BY:

DATE

CHECKED BY:

DATE

M-2388-12

FIELD INSPECTION REPORT

T-5749, T-5750, and T-5751

1. Description of the Area: The area covered by these surveys is at the northern end of Narragansett Bay from Wickford to Patuxent on the Providence River, and also the Mount Hope Bay area through Fall River, Mass. The shoreline in this vicinity is in general characterized by narrow sandy beaches with bluffs in places ranging up to 20 feet in elevation, and is not developed to any large extent except in Greenwich Bay, Warren, Bristol, and Fall River harbors.

2. Completeness of Field Inspection: Due to time limitation and in accordance with instructions, field inspection consisted solely of the identification of horizontal control and the inspection and interpretation of high water line and along shore structures. This was accomplished by a two-man party, operating partly by truck and partly in a skiff. High water line was indicated on the photographs in accordance with "Supplemental Instructions - Shoreline inspection" dated March 18, 1944. Some small inlets were not entered and high water line must be interpreted by comparison with similar shoreline in the vicinity.

Due to the lack of photograph coverage, Prudence Island and the southernly end of Popasquash Neck were not field inspected, but recovery of control stations was effected in these areas.

3. Interpretation of the Photographs: No single line exists on the photographs that can generally be considered as indicative of the position of mean high water line. The shoreline is usually characterized by sandy beaches and the high water line is usually within this sandy area. Dark patches sometimes seen on the photographs adjacent to the off-shore line of the beach are grass in water.

4. Horizontal Control: No attempt was made to recover all the control stations in the area. A careful evaluation of available control was made in the Washington Office and stations whose recovery was deemed essential to the proper laying of the radial plot were selected and designated for recovery. All necessary stations were recovered. Additional control currently established by the hydrographic party under the direction of Lieutenant Commander I. E. Rittenburg in the Quonset Point Naval Base area were identified on the photographs by members of that party and no further attempt was made to enter this area. Copies of the field positions for these stations are furnished.

Field Inspection Report
Page 2

While the field party was operating in this area, it was found that the Rhode Island Commission of Shell Fisheries had instituted a system of horizontal control and had placed numerous stations throughout the area. The positions for these stations are based on a plane coordinate system which is said to be based on U. S. Coast and Geodetic Survey triangulation stations, using North American Datum positions as previously published in Special Publication No. 62 "Triangulation in Rhode Island", and using Fort Independence 2 as its origin. The complete records of this control system are in the custody of:

Mr. Harold M. Gibbs
Division of Fish and Game
Room 12, State House
Providence, Rhode Island

and it is suggested that he be contacted if further information is required. *Not used for radial plot*

5. Vertical Control: Does not apply to this sheet.
6. Contours and Drainage: Does not apply to this sheet.
7. Mean High Water Line: See preceding paragraph 2.
8. Low Water Line: No attempt was made to delineate low water line.
9. Wharves and Shoreline Structures: Sufficient ink notes were made on the field photographs to enable the compiler to classify shoreline structures.
10. Details Off-Shore from the High Water Line: All rocks and wrecks visible on the photographs were indicated by appropriate notes. All other similar features not visible on the photographs but in evidence at the time of field inspection were located by sextant fixes.
11. Landmarks and Aids to Navigation: Landmarks and fixed aids to navigation were indicated on the field photographs and positions will be obtained from the radial plot. Forms 567 "Landmarks for Charts" are being submitted herewith. Geographic positions will be entered on these during the office compilation and the forms turned over to the Nautical Chart Section. Recommendations for landmarks and fixed aids to navigation within the area covered by sheet T-5751 are being submitted by the hydrographic party of Lt. Comdr. I. E. Rittenburg and no additional inspection was made in this area.

*Chart letter
350 (1945)*

12. Hydrographic Control: No stations were established for hydrographic control, but certain landmarks and aids to navigation will partly fill this need.

13. Landing Fields and Aeronautical Aids: There is only one landing field within the area covered by this survey - the U. S. Naval Air Station at Quonset Point, and the only aid to navigation is the beacon at the Naval Air Station.

14. Road Classification: No attempt was made to classify roads.

15. Bridges: All bridges were noted on the field photographs with their position and location of draw span. For other data concerning these bridges reference is made to "List of Bridges over the Navigable Waters on the United States" revised to July 1, 1941.

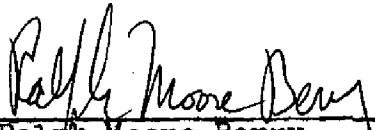
16. Buildings and Structures: No complete inspection of buildings was undertaken, but all large structures along the shoreline were identified where necessary.

No attempt was made to inspect buildings within the Naval Air Station and its satellite facilities, but a plan of the area was provided and is submitted for the assistance of the compiler in detailing this area.

17. Boundary Monuments and Lines: No investigation of boundary line was made.

18. Geographic Names: No investigation of geographic names was made.

Respectfully submitted,


Ralph Moore Berry
Cartographic Engineer

COMPILATION REPORT

T-5749

26. Control: Items 26 and 27 of this report are intended to cover sheets T-5750 and T-5751 also.

The following control stations were not held in the radial plot:

T-5749

Rocky Point USE 1913 - Radial plot position approximately 18 m. east and 15 m. south of plotted position. The field identification of the station was marked questionable.

36 A U.S.G.S. (Trav. Sta.) - Radial plot position approximately 10 m. east of plotted position. This discrepancy has not been accounted for, however, there was no field identification of this station, *There was ample control without using this station.*

T-5750

Fall River Ch. Spire, 1861 - Radial plot position approximately 160 m. north of plotted position. The station was not identified correctly in the field.

Towessett Neck, 1836 - Radial plot position approximately 60 m. north and 60 m. west of plotted position. The field identification of this station is very doubtful.

98G (Mass. G. Survey) - Radial plot position approximately 5 m. west and 5 m. south of plotted position. This discrepancy has not been accounted for. Not used in plot.

T-5751

Melville Gray ^{Tank} ~~W.T.~~, 1932 - Radial plot position approximately 72 m. south and 10 m east of plotted position. There was no field identification of this station and it is believed that it was pricked incorrectly on the photographs.

The point identified obviously is not the triangulation station, but a large tank south of the triangulation station as shown on the manuscript. Station Melville Gray Tank, 1932 cannot be seen on the photographs. It may have been destroyed, but this cannot be proven as the photographs are not too clear. In any case, the triangulation station is not as prominent a landmark as the tanks and stack south of it.

27. Radial Plot: A radial line plot was laid using 80 acetate templets, 76 of these were made from single lens photographs; scale 1:20,000, and 4 from nine-lens photographs, scale 1:24,000. The radial lines were extended on the templets made from nine-lens photographs to make intersections coincident with the 20,000 scale projection.

There was sufficient horizontal control by this Bureau that was held to make a rigid plot. An additional control station in the vicinity of Gardiers Neck (T-5750) would have strengthened the plot, but this was not essential since satisfactory results were obtained.

The control identified by the field party on sheet T-5751 consisted of the area covered by single lens photographs in the northwest corner of the sheet. The remainder of the control for this sheet was identified in the office from the descriptions.

Photograph coverage was adequate except for a small area in the extreme southwest corner of T-5751.

The azimuth lines between photograph centers were held and radial line intersections of all secondary points were good. Photograph centers are shown with two large red circles, and secondary points with small red circles. The radial plot position of control stations not held have been shown with small orange circles. These stations are listed in preceding paragraph 26.

28. Detailing: The area of this map drawing comprises the northern part of Narragansett Bay from Galf Pasture Point on the west passage to Rock Island on the Providence River, on the east passage from Mt. Hope Bridge to Bullock Neck and the northern part of Prudence Island. The detail extends inland from 0.5 mile to 2 miles.

The area of this map drawing was compiled in accordance with the instructions. The detail was compiled from single lens aerial photographs Nos. C 2144 to C 2157, inclusive, C 2160 to C 2168, inclusive, C 2180 to C 2195, inclusive, C 2216, and nine-lens aerial photographs Nos. 7417, 7418, 7424, and 7415. The nine-lens photographs were used only where single lens photograph coverage was not available. These areas were Prudence Island and the western part of Popasquash Neck. The projector was used in detailing the areas taken from the nine-lens photographs.

Additional detail points were established to aid in the compiling. These points are shown with small blue circles on the back side of the sheet. No appreciable amount of tilt was found in any of the photographs, and no difficulty from this cause was encountered in detailing. Standard topographic symbols were used. All detail is shown in black acetate ink except for woods which are shown in green.

In view of incomplete field inspection (see item 2 Field Inspection Report) the shoreline and shoreline structures in some areas were interpreted by comparison with similar field inspected shoreline in the area. Since no field inspection was accomplished back of the shoreline, roads, and woods have been classified at the discretion of the compiler, with the aid of existing maps. The U.S.G.S. quadrangles were used exclusively to identify public buildings not indicated by the field party. No field inspection was accomplished in the areas detailed from the nine-lens photographs.

All wooded or brush areas are outlined and each area is classified as to type and density. Roads are divided in two classes: road 1 includes all improved or well-drained roads, and road 2 includes track roads or unimproved roads. Roads not classified on the manuscript are road 1. Triangulation stations are indicated with small triangles. All landmarks or fixed aids to navigation, which are not triangulation stations are shown with small black circles.

A list of geographic names within the area compiled is submitted herewith. The names were taken from existing charts and U. S. G. S. quadrangles. In case of discrepancies in names the Official Gazeteer of Rhode Island settled the issue.

29. Supplemental Data:

1. U. S. Coast and Geodetic Survey Charts
Nos. 278, 353, 354, and 355.

2. U. S. Geological Survey quadrangles:

East Greenwich, R.I., Edition of 1944
Bristol, R.I.-Mass., Edition of 1943

3. Field inspection sketch book

30. Mean High Water Line: The mean high water line in part was determined by the field inspection party and indicated on the field photographs. The remainder was determined stereoscopically by the office compiler. The high water line is shown with a continuous heavy line.

31. Low Water and Shoal Lines: An attempt has been made to delineate the low water line and shoal ~~shallow~~ areas in the compilation office, however, these lines should be considered as only approximate. ~~Shoal areas~~ are indicated with a dashed line and low water line with a dotted line.

32. Details Off-shore from the Mean High Water Line: All off-shore detail indicated by the field inspection party and those that could be delineated by the compiler have been made. The off-shore details are only partially completed.

33. Wharves and Shoreline Structures: Areas covered by the field inspection party were complete, the remainder of the areas were delineated stereoscopically by the compiler and are also believed to be complete.

34. Landmarks and Aids to Navigation: All landmarks and fixed aids to navigation recommended for charting by the field party have been shown on the sheet and their position was either checked or determined by the radial plot. Form 567, Landmarks for Charts have been submitted to the Nautical Chart Section and a copy is included in this report. *Chart letter 350 (1945)*

35. Hydrographic Control: Not applicable to this survey.

36. Landing Fields and Aeronautical Aids: There were no landing fields or aeronautical aids in this area.

37. Comparisons with Previous Topographic Surveys: The previous topographic surveys in this area are:

T-Misc. 20	(1832)	1:24,000
T-912	(1868)	1:10,000
T-913	(1863-5)	1:10,000
T-956	(1864)	1:10,000
T-1054	(1866)	1:10,000
T-1079	(1868)	1:10,000
T-1120	(1869)	1:10,000

There have been extensive changes both in the shoreline and interior detail. These ~~old surveys~~ ^{for charting purposes} are all superseded by the present survey except for the off-shore detail, the contours, and hatching. The off-shore detail that is shown on the map manuscript has been located by the field inspection party or positively identified on the photographs. When it could not be identified on the photographs, such detail was not shown.

38. There are several black acid circles on the sheet labeled "F.I.P.". These are Field Inspection Points that have been located in the field as control for the radial plot. They have been left on the manuscript for future reference. *Removed during review.*

44. Comparison with Existing Topographic Quadrangles: A general comparison was made and minor discrepancies were apparent over the entire area of the sheet.

45. Comparison with Nautical Charts: A comparison was made with chart Nos. 278, 353, 354, and 355. The shoreline is in general agreement over the entire area of the sheet except for Greene Island. Instead of a peninsula as previously shown on the chart, there are actually two islands. Discrepancies in the inshore detail are much more pronounced than those along the shoreline. Comparatively large changes are apparent in the roads throughout the area of the sheet.

Respectfully submitted,

William F. Doescher, 5/1/45
William F. Doescher

and

Edward H. Snyder

Compilation and report prepared
under direction of Dwight L. Greene

Reviewed by Dwight L. Greene

Inspected by L. C. Lande

Chief, Nautical Chart Branch

Chief, Section of Topography

Chief, Division of Charts

Chief, Division of Coastal
Surveys

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

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

Washington, D. C. March 19 45

I recommend that the following objects which have (~~been~~ ^{been} inspected from seaward to determine their value as landmarks, be charted on (~~charts~~ ^{charts}) the charts indicated.

The positions given have been checked after listing.

350 (1945)

Ralph Moore Berry											Chief of Party.			
GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
		LATITUDE		LONGITUDE										
		O	I	D. M. METERS	O	I	D. P. METERS							DATUM
	(West Barrington Water Tower TANK (ELEV) (✓) 1912)	41-44		1546.0	71-20		1181.1	N.A. 1927	Triangulation	1912	x		353 & 27	
	(Navyett Light House, 1863) TOWER (✓)	41-43		929.1	71-20		507.7	"	"	1863	x		353 & 27	
	Warren Meth. Ch. Spire, 1863) SPIRE (✓)	41-43		1487.9	71-17		65.4	"	"	1863	x		353 & 27	
	(U.S. Rubber Co.) STACK	41-40		672.0	71-16		415.0	"	Radial Plot	Oct. 1944	x		353	
	(Bristol Square Stone Ch. Tower TOWER (✓) 1912)	41-40		520.3	71-16		394.3	"	Triangulation	1912	x		353	
	(Bristol Tank, 1932) TANK (ELEV) (✓)	41-40		758.5	71-16		245.7	"	"	1932	x		353	
	(East Greenwich Court House, 1913) COUPOLA (✓)	41-39		1335.5	71-27		80.8	"	"	1913	x		353 & 27	
	(Apponaug Court House Cupola, 1913) COUPOLA (✓)	41-41		1747.8	71-27		757.4	"	"	1913	x		353 & 27	
	(Flagstaff) FLAGPOLE (✓)	41-40		627.2	71-23		546.4	"	"	1913	x		353 & 27	
	(Aldriches Tower, 1912) TOWER (✓)	41-41		16.0	71-22		957.0	"	"	1912	x		353 & 27	
	(Warren W.T., 1912) TANK (ELEV) (✓)	41-42		506.9	71-16		1128.8	"	"	1912	x		353 & 27	

Ralph Moore Berry Chief of Party.

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

TO BE CHARTED } **STRIKE OUT ONE**

**TO BE CHARTED
TO BE DELIVERED**

Washington, D. C. March 1945

March, 1945

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

The positions given have been checked after listing.

350 (1945)

Ralph Moore Berry *Chief of Party.*

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.

STRIKE OUT ONE

NON-FLOATING AIDS TO NAVIGATION

Washington, D. C.

March

1945

I was surprised that view of covering a hole or gap which the view of the ground in front of me appeared to show and one who was with me in the same way and I was not sure that I was not mistaken.

The positions given have been checked after listing.

350 (1945)

Ralph Moore Berry
Chief of Party

Chief of Party.

(✓) check position for aids previously started

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.

I

GEOGRAPHIC NAMES

Survey No. *T-5749*

GEOGRAPHIC NAMES										
Survey No. <i>T-5749</i>										
Name on Survey	<div>On Chart No. <i>353</i></div> <div>On previous survey No.</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps <i>T-5749</i></div> <div>P. O. Guide or Map</div> <div>Rand McNally Atlas</div> <div>On Chart No. <i>278</i></div> <div><i>K 355</i></div>									
	A	B	C	D	E	F	G	H	K	
ADAMS PT.	✓	°	✓		✓			✓	✓	1
ADAMS PT. ROAD		°	✓							2
ALLEN ROCK <i>Light</i>	✓	°	✓		✓			✓	✓	3
ANNAWOMSCUTT		°	✓		✓					4
APPONAUG	✓	°	✓		✓			✓		5
APPONAUG COVE	✓	°	✓		✓			✓		6
Apponaug River ARNOLD NECK	✓	°	✓		✓			✓		7
BARRINGTON		°	✓		✓					8
BARRINGTON BEACH		°	✓							9
BARRINGTON RIVER	✓	°	✓		✓			✓	✓	10
BAYSIDE		°	✓						✓	11
BAY SPRING		°	✓		✓					12
BEACH TERRACE		°	✓		✓					13
BEAR PT.	✓	°	✓					✓		14
BELCHER COVE		°	✓		✓					15
BLUFF PT.		°	✓		✓					16
BRISTOL	✓	°	✓		✓			✓		17
BRISTOL HARBOR	✓	°	✓		✓			✓		18
BRISTOL HIGHLANDS		°	✓		✓					19
BRISTOL NECK	✓	°	✓		✓					20
BRISTOL PT.	✓		✓							21
BRUSH NECK	✓	°	✓		✓			✓		22
BRUSH NECK COVE	✓	°	✓		✓			✓		23
BUCKEYE BK.		°	✓		✓					24
BULLOCK COVE	✓	°	✓		✓			✓		25
BULLOCK NECK	✓	°	✓		✓			✓		26
BULLOCK PT.	✓	°	✓		✓			✓		27
<i>Bullock Point Light</i>		°								

GEOGRAPHIC NAMES

Survey No.

Name on Survey	On Chart No. 353		On previous survey		On U. S. quadrangle Maps		From local information		On local Maps		P. O. Guide or Map		Rand McNally Atlas		K	
	A	B	C	D	E	F	G	H	I	J	L	M	N	O		
BUTTONWOODS	✓	0	✓		✓			✓							1	
BUTTONWOODS AVE.		0	✓												2	
BUTTONWOODS COVE	✓	0	✓		✓			✓							3	
CASTLE ISLAND LT	✓	0	✓		✓										4	
CEDAR ROAD		0	✓												5	
CEDAR TREE PT.	✓	0	✓		✓			✓							6	
CHEPIWANOXET		0	✓		✓										7	
CHEPIWANOXET I.	✓	0	✓		✓			✓							8	
Child Street	✓	0	✓													
COGGESHALL COVE	✓	0	✓		✓										9	
COLES		0	✓		✓										10	
COLT DRIVE	✓	0	✓		✓										11	
CONIMICUT	✓	0	✓		✓			✓							12	
CONIMICUT PT.	✓	0	✓		✓			✓							13	
COUNTY RD.		0	✓												14	
COWESETT	✓	0	✓		✓			✓							15	
COWESETT ROAD			✓												16	
CRAWFORD ALLEN HOSP.		0	✓												17	
CRESCENT LAKE		0	✓												18	
DIVISION ST.			✓												19	
DROWN COVE		0	✓		✓										20	
EAST GREENWICH	✓	0	✓		✓			✓							21	
ECHO LAKE		0	✓												22	
ESSEX BRIDGE		0	✓												23	
FERRY ROAD LANE		0	✓												24	
FLETCHER ROAD			✓												25	
1st AVE			✓												26	
FORGE BRIDGE		0	✓												27	

GEOGRAPHIC NAMES

Survey No.

GEOGRAPHIC NAMES		Survey No.									
Name on Survey	<div>On Chart No. 353</div> <div>On previous survey No.</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Road Map Atlas</div> <div>On Chart No. 354</div> <div>U.S. Light List No. 278</div> <div>355</div>										
	A	B	C	D	E	F	G	H	K		
<u>GASPEE PT.</u>	✓	o	✓		✓			✓		1	
<u>GODDARD STATE PARK</u>		o	✓		✓					2	
<u>GORTON HIGH SCHOOL</u>		o	✓							3	
<u>GORTON POND</u>		o	✓		✓					4	
<u>GREENWICH AVE.</u>		o	✓							5	
<u>GREENWICH BAY</u>	✓	o	✓		✓			✓		6	
<u>GREENWICH COVE</u>	✓	o	✓		✓			✓		7	
<u>GREENE ISLAND</u>	✓	o	✓		✓			✓		8	
<u>GULL POINT</u>	✓	o	✓		✓		✓			9	
<u>HAMPDEN MEADOWS SCHOOL</u>		o	✓							10	
<u>HIGHLAND BEACH</u>		o	✓							11	
<u>HITCH UP ROCK</u>	✓									12	
<u>HOG ISLAND</u>	✓	o	✓		✓					13	
<u>HOPE STREET</u>		o	✓							14	
<u>HORSE NECK</u>	✓	o	✓		✓			✓		15	
<u>HOXSIE</u>		o	✓		✓			✓		16	
<u>HUNT RIVER</u>		o	✓		✓					17	
<u>HYDE HOLE</u>		o	✓		✓					18	
<u>IVES ROAD</u>		o	✓							19	
<u>JACOBS PT.</u>	✓	o	✓		✓			✓	✓	20	
JUNIPER HILL CEM.			✓							21	
<u>KNOWLES BK.</u>		o	✓		✓					22	
<u>LAKEWOOD</u>		o	✓		✓					23	
<u>LITTLE ISLAND</u>	✓	o	✓		✓			✓	✓	24	
<u>LOCKWOOD BK.</u>		o	✓							25	
<u>LOCKWOOD HIGH SCHOOL</u>		o	✓							26	
<u>LONGMEADOW</u>	✓	o	✓		✓			✓		27	

GEOGRAPHIC NAMES

Survey No.

Name on Survey	On Chart No. 353		On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	On chart No. 278	K 355
	A	B								
LONGMEADOW ROCK	✓	°				✓		✓		1
LONG PT.	✓	°	✓	(Greenwich Bay)				✓		2
LONG ST.			✓							3
LOVE LANE			✓							4
MAPLE AVENUE SCHOOL			✓							5
MARKET STREET		°	✓							6
MARSH PT.	✓	°	✓			✓				7
MASKERCHUGG RIVER		°	✓			✓				8
METACOM AVE.			✓							9
MIDDLE HWY.			✓							10
MIDDLE ROAD			✓							11
MILL GUT	✓	°	✓			✓		✓		12
MILL POND	✓	°	✓			✓				13
MOUNT HOPE BAY	✓		✓							14
MOUNT HOPE BRIDGE			✓							15
MUSSACHUCK CR.		°	✓			✓				16
NARRAGANSETT BAY		°	✓			✓				17
NARRAGANSETT BAY WEST PASSAGE	✓	°	✓							18
NAUSAUKET		°	✓			✓				19
NAYATT		°	✓			✓				20
NAYATT PT.	✓	°	✓			✓		✓		21
NAYATT RD.		°	✓							22
NEW MEADOW ROAD		°	✓			✓				23
N. Y. N. H. & H. R. R.	✓	°	✓							24
NORTH CEM.			✓	(S. of Bristol Highlands)						25
NORTH CEM.		°	✓	(Warren W. side, Belcher Cove)						26
NORTHWEST PT.	✓	°	✓			✓		✓		27

GEOGRAPHIC NAMES

Survey No.

Name on Survey

	A	B	C	D	E	F	G	H	K	
										1
NORTH PT.	✓	0	✓		✓			✓	✓	2
NORTH QUIDNESSETT	✓	0	✓							3
NORTH QUIDNESSETT ROAD			✓							4
OAKLAND BEACH	✓	0	✓		✓			✓		5
OAKLAND BEACH SCHOOL		0	✓							6
OCCUPESSATUXET COVE	✓	0	✓		✓			✓		7
OLD MILL CREEK	✓	0	✓		✓			✓		8
OLD WARWICK COVE	✓	0	✓		✓			✓		9
PATIENCE ISLAND	✓	0	✓		✓			✓		10
PASSEONKQUIS COVE	✓	0	✓		✓			✓		11
PECK SCHOOL		0	✓							12
POJAC POINT	✓	0	✓		✓					13
POPASQUASH NECK	✓	0	✓		✓			✓	USGS	14
POPASQUASH PT.	✓	0	✓		✓					15
POPASQUASH RD.		0	✓							16
POST ROAD		0	✓							17
POTOWOMUT	✓	0	✓		✓			✓		18
POTOWOMUT POND		0	✓							19
Potowomut River		0			✓			✓		20
POTOWOMUT ROCKS		0								21
POTOWOMUT SCHOOL		0	✓							22
POTTER COVE	✓	0	✓		✓					23
PRINCE POND		0	✓		✓					24
PROVIDENCE PT.	✓	0	✓		✓			✓		25
PROVIDENCE RIVER	✓	0	✓		✓					26
PRUDENCE ISLAND	✓	0	✓		✓		✓	✓		27
RIVERVIEW	✓	0	✓	(Two words)				✓		28
ROCKY PT.	✓	0	✓		✓			✓		29

VI

GEOGRAPHIC NAMES

Survey No.

GEOGRAPHIC NAMES											
Survey No.											
Name on Survey											

GEOGRAPHIC NAMES

Survey No.

VII

Name on Survey	A	B	C	D	E	F	G	H	K	
WARREN	✓	•	✓			✓		✓	✓	1
WARREN RIVER	✓	•	✓			✓		✓		2
WASHINGTON ROAD		•	✓							3
WARNER BK.		•	✓			✓				4
WARWICK	✓	•	✓			✓		✓		5
WARWICK AVE.		•	✓							6
WARWICK NECK	✓	•	✓			✓		✓		7
WARWICK POINT		•	✓			✓		✓		8
WEST BARRINGTON	✓	•	✓			✓		✓		9
WEST SHORE ROAD		•	✓							10
WILD ACRES		•	✓							11
WILDE CORNER		•	✓							12
WOOD STREET			✓							13
										14
Usher Rocks		See ch. 278				Not shown on sheet				15
Dyer Rock		" " "				Not shown on sheet				16
The Brothers		" " "				Not shown on sheet				17
<u>Rocky Point</u>		(village)				✓				18
Barren ledge		See ch 278				Not shown on sheet.				19
<u>Long Point</u>		(N. part Prudence I)								20
<u>Baker Creek</u>		(N. shore Greenwich Bay)								21
<u>Aldrich Tower</u>		(on Warwick Neck)								22
<u>Rock I</u>		(mouth of Passaconticut cove)				Not on sheet.				23
<u>Annaboscutt Brook</u>		(into Brown cove)				Too small				24
										25
						Names underlined in				26
						red are approved				27
						5-16-49.				28
						L. Heek				29

Division of Photogrammetry
Review Report of
Shoreline Map Manuscript T-5749

Subject numbers not used in this report have been adequately covered in other parts of the Descriptive Report.

26 - Control:

The only triangulation stations shown on the map manuscript are those used in controlling the radial plot. These and all USC&GS triangulation stations within the area covered by the map manuscript have been listed on Form M 2388-12 and made a part of the Descriptive Report.

The Light List names of triangulation stations that are also aids to navigation have been added to the map manuscript. The triangulation station names have been retained in parentheses.

28 - Detailing:

Photographs taken in 1946, 46C 212-214, cover Warwick Neck, Sandy Point and Patience Island. No major discrepancies were disclosed by the new photographs and no additions were made from them.

No cable terminal or bridge clearance information was determined in the field.

34 - Landmarks and Aids to Navigation:

Form 524 cards were prepared for all landmarks and aids to navigation other than triangulation stations. They are filed in the Division of Photogrammetry, General Files.

Nayatt Lighthouse, 1863 is recommended as a landmark, Tower, in Chart Letter 350(45). It is listed as a day-beacon in the Light List.

39 - Geographic Names:

Several names included in the geographic names list are for offshore rocks that do not appear on the map manuscript. These names were not shown.

44 - Comparison with Existing Surveys:

AMS Bristol Quadrangle	1:25,000	1947
AMS East Greenwich Quadrangle	1:25,000	1947
T 912	1:10,000	1868
T 913	1:10,000	1863-65
T 956	1:10,000	1864
T 1054	1:10,000	1866
T 1079	1:10,000	1868
T 1120	1:10,000	1869
T 3571	1:10,000	1913
T 3572	1:10,000	1913
T 3377	1:10,000	1912
Misc. 20	1:24,000	1832

~~Common features on all previous surveys are superseded by the map manuscript in common area.~~
See # 37 Compilation Report.

No major differences were noted between the map manuscript and the Quadrangles.

45 - Comparison with Nautical Charts:

Chart No. 278	1:20,000	1946	Corr. 1947
Chart No. 353	1:40,000	1945	" 1948

The map manuscript has been partially applied to Chart No. 353 and completely applied to Chart No. 278.

Several offshore features shown on the Charts were not evident on the photographs and are not shown on the map manuscript.

Nayatt Lighthouse, charted as "Old Tower" is shown as a daybeacon on the map manuscript.

46 - Classification:

By authority of the Security Classification Map dated December 16, 1946, all photographs of the Narragansett Bay area are Confidential. The photographs, the map manuscript and the Descriptive Report are so marked.

Reviewed by: C. Theurer

Charles Theurer
C. Theurer 5-18-49

Under the direction of:

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