
Form 504
U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey: SHORELINE

Field No: Ph-31B(48) Office No: T-5095

LOCALITY

State: RHODE ISLAND

General locality: BLOCK ISLAND SOUND

Locality: JUDITH POINT

1949

CHIEF OF PARTY
E.R. McCarthy, Chief of Field Party
L.J. Reed, Washington, D.C. Office

LIBRARY & ARCHIVES

DATE: March 18, 1954
DATA RECORD

T-5095

Project No. (II): Ph-31B(48) Quadrangle Name (IV): Point Judith


Photogrammetric Office (III): Washington, D.C. Officer-in-Charge: Louis J. Reed, Chief,

Instructions dated (II) (III): 9 April 48

Stereoscopic Mapping Section Copy filed in Division of

Office Files

Method of Compilation (III): Stereoplanigraph

Manuscript Scale (III): 1:10,000 Stereoscopic Plotting Instrument Scale (III): 1:15,000

Scale Factor (III): 3:2

Date received in Washington Office (IV): 11-9-49 Date reported to Nautical Chart Branch (IV): 11-15-49

Applied to Chart No. Date: Date registered (IV): 9 Sept 1953

Publication Scale (IV): Publication date (IV): 7-1952

Geographic Datum (III): NA 1927

Vertical Datum (III): Mean sea level except as follows:

Elevations shown as (29) refer to mean high water
Elevations shown as (8) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): POINT JUDITH (U.S.), 1940 (dm)

Lat.: 41°22'17.900 Long.: 71°29'22.943

Adjusted

Plane Coordinates (IV): State: R.1. Zone:

Y = 105 046.00 X = 502 825.42

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)

Not applicable

by

Michael G. Misuita

on

Stereoplotigraph
DATA RECORD

Field Inspection by (II): R. A. Horn

Date: 12 May 1949

Planetary contouring by (II): None

Date:

Completion Surveys by (II): None

Date:

Mean High Water Location (III) (State date and method of location):

1. Graphic Control Survey, 1948, partial
2. Field Inspection, 1949 on photographs taken 2 May 1948

Date: 16 August 1948

Projection and Grids ruled by (IV): Ruling Machine

Date: 16 August 1948

Projection and Grids checked by (IV): Wheatley E. Ward

Date: 5 July 1949

Control plotted by (III): Michael G. Misulka

Date: 7 July 1949

Control checked by (III): John E. McDonald

Date: 30 August 1949

Radial Plot or Stereoscopic Control extension by (III):

Stereoplanigraph

Date: 30 August 1949

Stereoscopic Instrument compilation (III):

Planimetry, Michael G. Misulka

Date:

Compilation

Manuscript delineated by (III): John B. McDonald

Date: 1 November 1949

Photogrammetric Office Review by (III): Louis J. Reed

Date: 10 November 1949

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

Louis J. Reed

Date: 10 November 1949
PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>886-888</td>
<td>2 May 48</td>
<td>13:48</td>
<td>about</td>
<td>2.6 above MLW</td>
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<tr>
<td>893-903</td>
<td>14:02</td>
<td>1:24,000</td>
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<td></td>
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</tbody>
</table>

Tide (III)

<table>
<thead>
<tr>
<th>Reference Station: Newport, Rhode Island</th>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subordinate Station: Narragansett Pier</td>
<td>1.0</td>
<td>3.544</td>
<td>4.1</td>
</tr>
<tr>
<td>Subordinate Station: Point Judith</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Washington Office Review by (IV): Everett H. Ramey

Final Drafting by (IV): J. Dean

Drafting verified for reproduction by (IV): W.O. Halluin

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): about 15 sq. mi.
Shoreline (More than 200 meters to opposite shore) (III): about 55 miles
Shoreline (Less than 200 meters to opposite shore) (III): none
Control Leveling - Miles (II): none
Number of Triangulation Stations searched for (II): Recovered: 34
Number of BMs searched for (II): none
Number of Recoverable Photo Stations established (III): 1
Number of Temporary Photo Hydro Stations established (III): none

Remarks:
sheets measuring about 16 ½ by 20 inches. Under the general plan adopted the country is divided into quadrangles bounded by parallels of latitude and meridians of longitude. These quadrangles are mapped on different scales, the scale selected for each map being that which is best adapted to general use in the development of the country, and consequently, though the standard maps are of nearly uniform size, they represent areas of different sizes. On the lower margin of each map are printed graphic scales showing distances in feet, meters, and miles. In addition, the scale of the map is shown by a fraction expressing a fixed ratio between linear measurements on the map and corresponding distances on the ground. For example, the scale \(\frac{1}{20,000}\) means that 1 unit on the map (such as 1 inch, 1 foot, or 1 meter) represents 20,000 similar units on the earth's surface.

Although some areas are surveyed and some maps are compiled and published on special scales for special purposes, the standard topographic surveys for the United States proper and the resulting maps have for many years been divided into three types, differentiated as follows:

1. Surveys of areas in which there are problems of great public importance—relating, for example, to mineral development, irrigation, or reclamation of swamp areas—are made with sufficient accuracy to be used in the publication of maps on a scale of \(\frac{1}{20,000}\) (1 inch = one-half mile), with a contour interval of 1, 5, or 10 feet.

2. Surveys of areas in which there are problems of average public importance, such as most of the basin of the Mississippi and its tributaries, are made with sufficient accuracy to be used in the publication of maps on a scale of \(\frac{1}{62,500}\) (1 inch = nearly 1 mile), with a contour interval of 10 to 25 feet.

3. Surveys of areas in which the problems are of minor public importance, such as much of the mountain or desert region of Arizona or New Mexico, are made with sufficient accuracy to be used in the publication of maps on a scale of \(\frac{1}{125,000}\) (1 inch = nearly 2 miles), with a contour interval of 25 to 100 feet.

A topographic survey of Alaska has been in progress since 1898, and nearly 48 per cent of its area has now been mapped. About 10 per cent of the Territory has been covered by reconnaissance maps on a scale of \(\frac{1}{20,000}\), or about 10 miles to an inch. Most of the remaining area surveyed in Alaska has been mapped on a scale of \(\frac{1}{62,500}\), but about 4,000 square miles has been mapped on a scale of \(\frac{1}{25,000}\) or larger.

The Hawaiian Islands, with the exception of the small islands at the western end of the group, have been surveyed, and the resulting maps are published on a scale of \(\frac{1}{20,000}\).

The features shown on these maps may be arranged in three groups—(1) water, including seas, lakes, rivers, canals, swamps and other bodies of water; (2) relief, including mountainous hills, valleys, and other features of the land surface; (3) culture
Summary to Accompany T-5095

Shoreline Map T-5095 is the only map in Project Ph-31(48)B. It covers shoreline and adjacent areas in the vicinity of Point Judith, Rhode Island and includes Point Judith Pond.

Project Ph-31(48)B was undertaken in order to provide accurate shoreline data for use in conjunction with hydrographic surveys of Project CS-333 to construct a new nautical chart. Hydrographic Survey H-7640 and Topographic Survey T-7100 were accomplished in 1948 as part of Project CS-333. Topographic Survey T-7100 was used for control for the hydrographic surveys and had mapped only a small amount of shoreline. The field work and compilation of T-5095 were not completed until 1949 and a print from the unreviewed map manuscript was used to complete the shoreline on the smooth sheet for H-7640.

Map T-5095 was compiled in the Washington Office by stereoplanigraph at a scale of 1:10000. The field operations included the inspection of shoreline and adjacent areas and the recovery and identification on photographs of horizontal control.

At the time of the compilation, it was planned that this map would be published as a planimetric map. All inland features that could be interpreted from the photographs were consequently compiled. Since these features were not verified or classified in the field, the map is reliable for shoreline areas only.

Map T-5095 covers 5° in latitude by 6° in longitude. Items registered under T-5095 will include a descriptive report and a cloth-mounted lithographic print of the manuscript at a scale of 1:10000.
2. **Area of Field Inspection:**

   The area surveyed includes the land and waters south of U. S. Route No. 1 in Narragansett, Rhode Island to Coast Guard Station No. 55 at Point Judith, Rhode Island; thence west to Matunuck Beach. Potter Pond, Point Judith Pond, and Upper Pond were within the limits of the survey.

   The principal access to the area is by highway. There is, however, a rail-bus form of service available for connections with the mainline railroad facilities at Kingston, Rhode Island.

   The area is primarily a summer colony, catering to tourist and summer residents. During the winter months the local populace are concerned with the maintenance and improvements in their varied accommodations. Some commercial fishing is done, the headquarters of which are just inside The Breachway at Point Judith Pond. The settlement name in that locality is Galilee.

3. **Horizontal Control:**

   All horizontal 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. See item 67

4. **Vertical Control:**

   Not applicable.

5. **Contours and Drainage:**

   Not applicable.

6. **Woodland Cover:**

   Not applicable.

7. **Shoreline and Alongshore Features:**

   Since photography was made when the tide was very near a high stage little difficulty was encountered in determining the Mean High Water Line.

   The approximate low water line of part of the shores in this area was indicated by the standard symbol. Particular attention was given the sand bar areas in Point Judith Pond.
All wharves and shoreline structures discernible on the photographs have been inspected and explained, where necessary, on the photographs. Additional delineations were made as required.

8. Offshore Features:

Areas foul with boulders have been labeled appropriately.

The shore end of a submarine cable, on the east shore of Point Judith, has been located on the photograph. It is an army telephone cable, in use and not previously charted. It runs north along Point Judith to Boston Neck, at approximate latitude 31° 27' and approximate longitude 71° 26'. The cable lays 1000 feet to 2500 feet off-shore.

A number of piling have been located in Point Judith Pond. A few groups are indicated directly on the photographs. All others have been located by the "3-Point Fix" method.

9. Landmarks and Aids:

All landmarks and fixed aids to navigation within the limits of this sheet were investigated. Form 567 is submitted with the information determined.

10. Boundaries, Monuments, Line:

No attempt was made to determine the boundaries between the various beaches on the east shore of Point Judith since such action would approach a private property survey.

11. Other Control:

Not applicable.

12. Other Interior Features:

There are no landing fields or specific aeronautical aids in this area.

The roads and trails were classified in accordance with Photogrammetry Instructions No. 10, dated 14 April 1947, and the Amendment to the above dated 24 October 1947.

There are only two bridges within the limits of the sheet, both are fixed, skiff clearance only, and are not listed in the Bridge Book.

It is felt that buildings and structures are adequately covered on the photographs. Although photography is scarcely a year old, considerable construction has occurred since that time and such is noted on the photographs.
13. **Geographic Names:**

In accordance with the Project Instructions, a systematic investigation of geographic names was not made. Important points were identified, however. The most questionable name is Narragansett Pier. In 1929 there was a legislative act officially eliminating the word "Pier" from the name. Local residents commonly refer to the settlement as the "Pier", or Narragansett Pier, yet immediately recognize the area when simply called Narragansett. Viewing the question objectively, since the large pier is no longer in existence in a physical sense (from which the original name was derived); the post office address is just Narragansett; and the published name (Narragansett Pier) is somewhat misleading to tourist and vacationists, it is recommended that the published name be merely Narragansett.

All other information on geographic names is on either the preliminary geographic name sheet supplied or the photographs.

14. **Special Reports and Supplemental Data:**

None.

15. **Notes to Compiler:**

The following triangulation stations have been identified on the photographs for the control of the radial plot:

- **SHERMAN'S, J. P., HOUSE CHIMNEY** - 1871 (Pricked Direct)
- **POINT JUDITH LIGHTHOUSE** - 1940 (pricked Direct)
- **POINT JUDITH TANK** - 1940 (Pricked Direct)
- **CHURCH CUPOLA** - 1913 (Pricked Direct)
- **MAINE BREAKWATER EAST LIGHT** - 1948 (Pricked Direct)
- **EAST BREAKWATER LIGHT** - 1948 (Pricked Direct)
- **MAIN BREAKWATER CENTER LIGHT 2** - 1948 (Pricked Direct)
- **MAIN BREAKWATER WEST LIGHT** - 1948 (Pricked Direct)
- **WEST BREAKWATER LIGHT** - 1948 (Pricked Direct)
- **HAZARD TOWER** - 1940 (Pricked Direct)
- **MEETINGHOUSE HILL 2** - 1869 (Pricked Direct)
- **KENYON NORTH (U.S.E.)** - 1909 (Substitute Point)
- **POOR FARM (U.S.E.)** - 1909 (Substitute Point)
- **SUGARLOAF HILL** - 1869 (Substitute Point)
- **DILLON (U.S.E.)** - 1909 (Substitute Point)
- **WEEDEN (U.S.E.)** - 1909 (Substitute Point)
- **POINT JUDITH (U.S.E.)** - 1940 (Substitute Point)
- **CARPENTER (U.S.E.)** - 1909 (Reference Measurements)
Points to be located during the radial plot are as follows:

Photo Points A, B, C, D, & E. Photo Points 1, 2, 3, & 4
Storm warning Signal Tower.

Submitted:
Date 5/12/49

/s/ R. A. Horn
Photogrammetrist
<table>
<thead>
<tr>
<th>STATION</th>
<th>KENYON NORTH (USE)</th>
<th>KENYON SOUTH (USE)</th>
<th>CARPENTER NORTH (USE)</th>
<th>CARPENTER SOUTH (USE)</th>
<th>STRONG CUBOLA NORTH (USE)</th>
<th>STRONG CUBOLA SOUTH (USE)</th>
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<tbody>
<tr>
<td>1909</td>
<td>41 23 86.644</td>
<td>41 23 86.644</td>
<td>41 23 86.644</td>
<td>41 23 86.644</td>
<td>41 23 86.644</td>
<td>41 23 86.644</td>
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<tr>
<td>1909</td>
<td>71 29 86.948</td>
<td>71 29 86.948</td>
<td>71 29 86.948</td>
<td>71 29 86.948</td>
<td>71 29 86.948</td>
<td>71 29 86.948</td>
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</table>

(continued on next page)
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>LATITUDE OR ρ-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Point Judith, (USE), 1940 dm</td>
<td>39</td>
<td>41 22 17.900</td>
<td>552.2 1298.8</td>
<td>533.2 861.2</td>
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<tr>
<td>Hazard Tower, 1940 d</td>
<td>41</td>
<td>41 24 55.189</td>
<td>1702.6 148.4</td>
<td>626.5 766.9</td>
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<tr>
<td>Point Judith, Tank, 1940 d</td>
<td>41</td>
<td>41 23 23.333</td>
<td>726.0 1125.0</td>
<td>34.0 1360.0</td>
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<tr>
<td>Point Judith Lighthouse, 1939</td>
<td>41</td>
<td>41 21 39.322</td>
<td>1213.1 637.9</td>
<td>1274.3 120.3</td>
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<tr>
<td>Wharton's, Dr., House, East Chi</td>
<td>146</td>
<td>41 24 56.10</td>
<td>1730.7 120.3</td>
<td>385.5 1007.9</td>
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<tr>
<td>mney, 1869 d</td>
<td>150</td>
<td>41 21 55.569</td>
<td>1714.3 136.7</td>
<td>1275.0 119.5</td>
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<tr>
<td>W. Break, 1948 dm</td>
<td>123</td>
<td>41 21 16.365</td>
<td>504.9 1346.1</td>
<td>879.0 515.4</td>
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<tr>
<td>South Beacon, 1912</td>
<td>116</td>
<td>41 23 51.813</td>
<td>1598.6 (254.4)</td>
<td>35.4 (1398.7)</td>
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<tr>
<td>Potter (USE) 1909</td>
<td>150</td>
<td>41 22 27.998</td>
<td>834.4</td>
<td>1152.7</td>
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<tr>
<td>Reflector 1949</td>
<td>150</td>
<td>41 21 14.942</td>
<td>461.4</td>
<td>614.9</td>
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<td>Main Breakwater Center Light (remains of old beacon stand)</td>
<td>150</td>
<td>41 23 00.814</td>
<td>25.1 (1825.3)</td>
<td>972.6 (421.5)</td>
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<tr>
<td>Greene 1940</td>
<td>149</td>
<td>41 23 00.814</td>
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<td></td>
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</table>

1 FT = 0.3048006 METER

COMPUTED BY: _____________________________ DATE: ___________ CHECKED BY: _____________________________ DATE: ___________
Compilation Report

31. **Delineation:**

   Accomplished on the Stereoplanigraph. Photo coverage complete and satisfactory. Field Inspection did not cover area along west edge of quad including shoreline of north portion of Potter Pond.  

   See item 69

32. **Control:**

   Adequate as to identification and density. No new control established for this survey.  

   See item 67

33. **Supplemental Data:**

   Graphic Control Survey T-7100 a & b, 1948, 1:10,000, showing HWL locations at planetable stations. Hydrographic Survey of 1948 not available at time of compilation.

34. **Contours and Drainage:**

   Not applicable.

35. **Shoreline and Alongshore Details:**

   The major portion of shoreline was field inspected and located on photographs. However, field inspection did not include a short length of shoreline around Potter Pond which was therefore delineated on the stereoplanigraph during office compilation. In addition, a 1948 graphic control survey in the area showed the shoreline spotted near some of the planetable positions. These shoreline indications agreed with the field inspection shoreline everywhere except in Point Judith Pond where shifting sands caused a variance, it is believed. The field inspection shoreline is shown on the manuscript since it is of a year later date.

36. **Offshore Details:**

   Not applicable.

37. **Landmarks and Aids:**

   See two form 567s, pages 17 and 18.  

   See item 68

38. **Control and Future Surveys:**

   Forms 524 were submitted by the 1948 graphic control party for the following nine recoverable topographic stations: POT, EEL, CUT, HUM, NED, B.K., HUR, WIN, and TOY. No permanent topographic or hydrographic stations were established during field inspection.

   * Filed in General Files, Div. of Photogrammetry under T-7100.  

   See item 67
39. **Junctions:**
   Not applicable.

40. **Horizontal and Vertical Accuracy:**
   Standard.

46. **Comparison with Existing Maps:**

47. **Comparison with Nautical Charts:**
   USCGS Chart No. 1210, Martha's Vineyard to Block Island, 1:80,000, February 1946, 6th edition.
   USCGS Chart No. 276, Harbors of Refuge at Judith Point and Block Island, 1:10,000, August 1941, 7th edition.

48. **Geographic Name List:**
   Atlantic Ocean
   
   Albro Island
   
   Beach Island
   
   Beach Street
   
   Beef Island
   
   Betty Hill Point
   
   Black Point
   
   Block Island Sound
   
   Block Point
   
   Bluff Hill Cove
   
   Ego Rock
   
   Eoo Street
   
   Farmon Avenue
   
   Butterwood Point
   
   Camp Fuller YMCA
   
   Cedar Island
   
   Cedar Point
   
   Cedar Swamp Pond
   
   Central Street
   
   Chalmers Cove
   
   Chalmers Rock
   
   Clarke Road
   
   Congdon Cove
   
   Cornins Beach
   
   Crown Point
   
   Cummock Island
   
   Dead Man Brook
   
   Earl's Road
   
   Flat Rock Road
   
   Founding Place
   
   Frank Neck
   
   Fresh Pond
   
   Gardner Island (two)
   
   Galilee Road
   
   Gibson Avenue
   
   Goose Island
   
   Gooseberry Island
   
   Gooseberry Road
   
   Great Island
   
   Gunning Rock
   
   Hazard Island
   
   High Point
   
   Horseshoe Point
   
   Hot House Pond
   
   Indian Rock
   
   Jerusalem
   
   Jonathan Island
   
   Kinney Avenue
   
   Knowles Bay
   
   Knowles Island
   
   League Rock
   
   Lilly Pond
   
   Lido Beach
   
   Little Comfort Island
   
   Little League Rock
   
   Little Wash Pond
   
   Locke Point
   
   Long Cove
   
   Matunuck
   
   Matunuck Point
   
   Matthewson Street
   
   Meadow Point
Military Reservation
Money Pond
Narragansett Avenue
Narragansett Pier
Narragansett Pier Railroad
Newton Ave.
Ocean Road
Old Point Judith Road
Olivio Beach
Peaked Rock
Peddlers Pond
Perch Cove
Pine Tree Point
Plato Island
Point Judith
Point Judith Country Club
Point Judith Harbor of Refuge
Point Judith Neck
Point Judith Pond
Post Road
Potato Point Island
Potter Pond
Quahog Rock
Ram Head
Ram Island
Ram Point
Rifle Range
Rondman Street
Rum Pond
Rye Point
Salt Pond View
Sand Hill Cove
Sand Hill Cove Beach
Saugatuckett River
Scarborough Beach, Bathing Pavilion
Scarborough Hills
Scarborough State Beach
Seaweed Beach
Seaweed Cove
Segar Cove
Short Point
Silver Lake
Silver Spring Cove
Smelt Brook
Smelt Brook Cove
Snug Harbor
South County Hospital
South Pier Road
Sprague Pond
Spectacle Ponds
Spring Cove

State Pier
Strawberry Field
St. Mary's Church
St. Homaid Church
Suco Stash Point
Suco Stash Road
Sycamore Cove
Taylor Street
The Breachway
The Brethren
The Hills
The Narrows
Thomas Point
Toby Point
Tower School
Tucker Pond
Tuckertown
Tuckertown Road
Turner Cove
Turtle Pond
Upper Pond
Wakefield
Walnut Cove
Walnut St.
Wash Pond
Welcome Cove
Whalebone Point
White Pond
Yost Avenue
Woodruff Ave
Woodcock Cove

Additional names from Rhode Island Gazetteer that can be definitely identified on name sheet in green numbers:

1. Wood Hill
2. Wheatfield Cove
3. Turner Point
4. Tallow Hill Point
5. Stone Water Fence Cove
6. Stallion Cove
7. Spring Cove
8. Squally Point
9. Sassafras Point
10. Reel Point
11. Long Bar Point

Names underlined in red are approved.
4-12-St. H. Heck
Submitted 10 November 1949

Louis J. Reed,
Chief, Stereoscopic Mapping
Section, Washington Office
I recommend that the following objects which have been inspected from seaeward to determine their value as landmarks be charted on the charts indicated.
The positions given have been checked after listing by **HARRY R. MOORE, ENG. AIDE**

<table>
<thead>
<tr>
<th>Charting Name</th>
<th>Description</th>
<th>Signal Name</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Datum</th>
<th>Method of Location and Survey No.</th>
<th>Date of Location</th>
<th>Chart Affected</th>
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</thead>
<tbody>
<tr>
<td>E-65-115.4.N.</td>
<td>POINT JUDITH</td>
<td>E.P.S. 141</td>
<td>41-21</td>
<td>637.9</td>
<td>121.3</td>
<td>NA</td>
<td>5975 TR1</td>
<td>1948</td>
</tr>
<tr>
<td>FL, R</td>
<td>POINT JUDITH HARBOUR OF REFUGE EAST BREAKWATER</td>
<td>41-21</td>
<td>975.5</td>
<td>71-29</td>
<td>563.0</td>
<td>1267.7</td>
<td>II</td>
<td>&quot;</td>
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<tr>
<td>FL</td>
<td>POINT JUDITH HARBOUR OF REFUGE MAIN BREAKWATER EAST</td>
<td>41-21</td>
<td>773.4</td>
<td>71-29</td>
<td>1267.7</td>
<td>1267.7</td>
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<td>&quot;</td>
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<td>G.P, FL</td>
<td>POINT JUDITH HARBOUR OF REFUGE MAIN BREAKWATER CENTER</td>
<td>41-21</td>
<td>1267.7</td>
<td>1267.7</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
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<td>FL, R</td>
<td>POINT JUDITH HARBOUR OF REFUGE MAIN BREAKWATER WEST</td>
<td>41-21</td>
<td>1391.2</td>
<td>71-30</td>
<td>1242.8</td>
<td>1147.8</td>
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<td>FL</td>
<td>POINT JUDITH HARBOUR OF REFUGE WEST BREAKWATER</td>
<td>41-21</td>
<td>598.5</td>
<td>71-30</td>
<td>119.9</td>
<td>1275.5</td>
<td>&quot;</td>
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<tr>
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<td>71-30</td>
<td>241.7</td>
<td>NA</td>
<td>5975 TR1</td>
<td>1948</td>
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</table>

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

The positions given have been checked after listing by **W. R. More, Eng. Aide**.

---

### Charting Name

- **Tank (Elev.) Point Judith Water Tank**
- **Tower Hazard Castle Tower**

### Charting Details

<table>
<thead>
<tr>
<th>Charting Name</th>
<th>Description</th>
<th>Signal Name</th>
<th>Lat. 1</th>
<th>D.M. Meters</th>
<th>Long. 1</th>
<th>D.P. Meters</th>
<th>Datum</th>
<th>Method of Location and Survey No.</th>
<th>Date of Location</th>
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This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and **nonfloating aids to navigation**, if re-determined, 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.
MEMORANDUM FOR: DIRECTOR, UNITED STATES COAST AND GEODETIC SURVEY,
DEPARTMENT OF COMMERCE

SUBJECT: Classification Clearance

1. Reference is made to your letter, file No. 734-84, subject as above, dated 5 January 1950, forwarding ten (10) maps for security clearance prior to publication.

2. There is no objection to the publication of the following maps as Unclassified:
   
   T-5095 Point Judith, Rhode Island
   O.P. 617 Elizabeth City, North Carolina

3. Provided minor deletions are made as indicated thereon, there is no objection to publication of the following map as Unclassified:
   
   T-5930 San Rafael, California

4. It has been necessary to return the remainder of the maps to the appropriate Army area commanders for reconsideration of their recommendations concerning certain deletions. It is hoped that this action will result in allowing more details to be included in the compilation of these maps.

FOR THE ASSISTANT CHIEF OF STAFF, G-2:

3 Incls
1. Map T-5095
2. Map O.P. 617
3. Map T-5930

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

RESTRICTED
PHOTOGRAMMETRIC OFFICE REVIEW  
T- 5095


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

ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES
31. Boundary lines  32. Public land lines

MISCELLANEOUS

Reviewer

Chief, Stereoscopic Mapping Section, Washington Office

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:
62. Comparison with Registered Topographic Surveys:

<table>
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<th>Survey</th>
<th>Scale</th>
<th>Year</th>
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<td>1:10000</td>
<td>1839</td>
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<td>T-92</td>
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<td>T-93</td>
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Minor differences in shoreline between this survey and T-7100 were noted under item 35. There are only three instances of disagreement and the differences are 10 meters or less. Differences are of little significance and are adequately explained under item 35. A partially submerged wreck was positioned by this survey approximately 10 meters north of the position shown on T-7100. Currents may have shifted the wreck this amount.

This survey supersedes these prior surveys for nautical charting for all features covered by this map. (See item 64)

63. Comparison with Maps of Other Agencies:

Kingston, R. I. (C. of E.) 1:31680 1944
Narragansett Pier, R. I.
(C. of E.) 1:31680 1944

Inland swamp and marsh areas could not be accurately interpreted on this survey and are in some disagreement with these quadrangles. Otherwise, there is close agreement.

64. Comparison with Contemporary Hydrographic Surveys:

H-7640 1:10000 1948
Shoreline map T-5095 had not been compiled at the time of the hydrographic surveys and thus there was no comparison made in the field. No discrepancies between the two surveys were reported by the reviewer of hydrographic survey H-7640 (Descriptive Report H-7640). Not all offshore rocks were field inspected by this survey but the ones which were field inspected are in close agreement with H-7640. Also see item 62 regarding wreck in Potter Pond and item 70 regarding a pile in Point Judith Pond.

65. Comparison with Nautical Charts:

<table>
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<tr>
<td>1210</td>
<td>1:50000</td>
<td>1943 corrected to 50-11/20</td>
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</table>
This survey shows segments of shoreline 30 to 40 meters different. See item 64 above for discussion of offshore rocks.

66. Adequacy of Results and Future Surveys:

This survey meets the National Standards of Map Accuracy. Except for offshore features discussed under items 64 and 70, the survey is adequate and complies with project instructions.

67. Control:

A discrepancy was noted between the recovery notes and the Light List for triangulation station "Point Judith Lighthouse, 1839." The Light List reports that the lighthouse was rebuilt in 1857 while recovery notes state that the station was not rebuilt since 1839. This discrepancy was reported to the Division of Geodesy. But because the station was reoccupied for triangulation work in 1932, the accuracy cannot be questioned.

Topographic stations listed under item 38 were not recovered or identified on photographs in conjunction with this survey. With the exception of "Win" and "Pot", the stations are shown on this map since no discrepancies could be detected. In the case of "Win" and "Pot", the stations are points on buildings which could not be definitely interpreted on the photographs for comparison. Consequently they were omitted from the manuscript. Discrepancies were also noted in comparing the elevations of "Toy" and "Cut" as given on forms 521 to that of field inspection. This has been noted on the forms 521.

The point identified on photographs for triangulation station Church Cupola, 1913, could not be held during the compilation. The position plotted approximately 40 meters northeast of the identified station and near the center of another building—a building without a cupola. This information has been reported to the Division of Geodesy on Form 526 at the time of this review.

68. Landmarks and Aids:

The forms 567 submitted by the field inspector did not include Point Judith Lighthouse which is still extant.

69. Delineation:

Areas referred to under item 31 as not being field inspected were not included in hydrographic survey H-7640. It is therefore assumed that field inspection is complete for navigable waters.

70. Offshore Features:

Observations for positioning piling (referred to under
item 8) are reported on Forms M-2226-12, Control Station Identification cards, which are filed in the General Files, Division of Photogrammetry. One pile which was described as being on the east side of the Channel of Point Judith Pond could not be plotted. Directions observed in the field were in error. Two objects observed for resection gave an angle of only 3° whereas the error appeared to be in one of the other two directions. An accurate solution could not be made. None of the piling positioned by the Hydrographic Survey H-7640 checked the angles observed for this pile.

Everett H. Ramey  
APPROVED  
Chief, Revise Branch  
Div. of Photogrammetry  

S. D. Griffin  
Chief, Revise Branch  
Div. of Photogrammetry

Richardson  
Chief, Nautical Chart Branch  
Div. of Charts

W. E. Reading  
Chief, Div. of Photogrammetry  

Carl K. Shaver  
Chief, Div. of Coastal Surveys
<table>
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<td>J.Walsh et al</td>
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<td>Before After Verification and Review Partially applied, additional marks After Verification and Review minor pt. judged.</td>
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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.