

6118

Graphic Control

U. S. COAST & GEODETIC SURVEY  
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NOV. 17 1934

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DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
R. S. Patton, Director

State: Rhode Island

DESCRIPTIVE REPORT

Topographic } Sheet No. "C" 6118  
~~Hydrographic~~

LOCALITY

Vineyard Buzzards Bay and Point, R.I.

Quicksand Pt. to Sakonnet Pt.

1934

CHIEF OF PARTY

Wm. D. Patterson, Lieut.,  
U. S. Coast & Geodetic Survey.

U. S. GOVERNMENT PRINTING OFFICE: 1929

6118

Graphic Control

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

U. S. COAST & GEODETIC SURVEY  
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A. No. \_\_\_\_\_

REG. NO. 6118

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. "C"

REGISTER NO. 6118 Graphic Control

State Rhode Island

General locality Buzzards Bay

Locality Quicksand Pt. to Sakonnét Pt.

Scale 1:10,000 Date of survey August, 1934

Vessel Field Party No. 5

Chief of party Lieut. Wm. D. Patterson, U.S.C. & G.S.

Surveyed by Victor A. Bishop, Surveyor, U.S.C. & G.S.

Inked by Charles R. Smith

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

May 14, 1934; Supplemental  
Instructions dated Instructions dated July 11, 1934

Remarks:

DESCRIPTIVE REPORT TO ACCOMPANY  
TOPOGRAPHIC SHEET "C" (Field Letter)  
VICINITY OF SAKONNET POINT, RHODE ISLAND.

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DATE OF INSTRUCTIONS

Director's Instructions dated May 14, 1934 and Supplemental Instructions dated July 11, 1934.

LIMIT AND EXTENT

This survey covers Sakonnet Harbor, shoreline from Sakonnet Harbor Light to Quicksand Point, including all islands and rocks within that area.

GENERAL DESCRIPTION OF COAST

The east shore of Sakonnet Harbor is very irregular with numerous rocks extending from 50 to 100 meters offshore. The south shore is generally of a smooth sandy nature with numerous small houses approximately 10 meters from high water line. The west shore is similar to the east with numerous rocks extending offshore about 25 meters. There is a stone breakwater extending southward from Sakonnet Harbor Light to the mainland. A rock which bares 1 foot at high water is located 100 meters east-southeast from the light.

There are two wharves in this harbor. One on the east side and the other on the west. Both are small and will accomodate only small fishing craft. The east wharf extends directly westward to about 100 meters offshore. The west wharf is the one most generally used of the two.

The shoreline from Sakonnet Harbor Light to Warren Point is very irregular and of a generally rocky nature. There are numerous rocks in this area, some of which are as much as 700 meters offshore. Special attention was given to the location of these rocks and their elevations. From Warren Point eastward to a point  $1\frac{1}{2}$  miles west of Quicksand Point the shoreline is of a more even nature and is of an alternate boulder and sandy nature. There are many offshore rocks in this area also. The remaining shoreline to Quicksand Point is an even sandy beach with numerous sand dunes in the immediate vicinity of the shore. Generally there is a 15 to 20 foot bluff at all rocky points within the limits of this survey.



## GENERAL DESCRIPTION OF COAST (continued)

All charted rocks were plotted on the sheet and investigated in the field. No discrepancies were found with the exception of the rock charted 0.1 mile north of Halfway Rock. This rock was not seen by the topographer and the hydrographic party failed to find a rock in this vicinity. It is recommended that this rock be removed from the chart.

## CONTROL

All triangulation executed this year was computed on the North American 1927 datum. A few old stations, such as WHITE BARN CUPOLA 1917, and DR. GARDINER'S HOUSE CHIMNEY (SOUTH) 1917, were not relocated this year. To place them on the 1927 datum, a linear correction was applied of minus 16.8 meters in latitude and plus 2.6 meters in longitude. This was the discrepancy found this year between the new and old datums.

No marked topographic stations were established as triangulation stations within the area of this sheet were established at approximately 1.0 mile intervals. The topography of Sakonnet Harbor is on 1:5,000 scale. Remainder of sheet from Sakonnet Harbor Light to Quicksand Point is on 1:10,000 scale.

## LANDMARKS

A list of landmarks is submitted under separate cover as a special report.

Respectfully submitted,

*Victor A. Bishop*

Victor A. Bishop, Surveyor.  
U. S. Coast & Geodetic Survey.

Approved:

*Wm. D. Patterson*

Wm. D. Patterson, Lieut.,  
Chief of Field Party No. 5.

## Statistics:

Area in Sq. Statute Mi.- 16.0

Length of Shoreline in Statute Mi.- 20.0



To: Mr. Bacon  
From L. S. S.

Survey No. T 6118

GEOGRAPHIC NAMES  
RHODE ISLAND

Chart No. 1210

Date. Dec. 4, 1934

Diagram No. 1210-2

Names underlined in red approved Dec 7, 1934  
H. Bacon

H. Bacon

\* Approved by the Division of Geographic Names, Department of Interior.

Names verified from

¢, Not Approved by the Division of Geographic Names, Department of Interior.

Official Gazetteer of R.D.

R, Referred to the Division of Geographic Names, Department of Interior.

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
✓	<u>Sakonnet Harbor</u>	✓ -----			
✓	<u>West Island</u>	✓ Same			
✓	<u>East Island</u>	✓ "			
✓	<u>Sakonnet Point</u>	✓ "			
✓	<u>Warren Point</u>	✓ "			
✓	<u>Halfway Rock</u>	✓ "			
✓	<u>Tunipus Beach</u>	✓			
✓	-----	✓ Quicksand Point Not in Official Gazetteer of R.I. [In State of Mass.] OK Chart 1210 & U.S.G.S			
	<u>Sakonnet</u>	✓			
✓	<u>Round Pond</u>	✓			
✓	<u>Tunipus Pond</u>	✓			
✓	<u>Quicksand Pond</u>	✓			
✓	<u>Sakonnet Rocks</u> in Official Gazetteer of Rhode Island				
	Added by GHE 1/6/37				
	<u>Briggs Pt</u>	✓ see GN 2 (1937)			
	<u>Ship Pond Cove</u>	✓ " "			
	<u>Stony Point</u>	✓ " "			



Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6118 (1934)

Quicksand Pt. to Sakonnet Pt., Buzzards Bay, Rhode Island  
Surveyed August, 1934

Instructions dated May 14, 1934, July 11, 1934, W.D.Patterson

Plane Table Survey - Aluminum Mounted

Chief of Party - W. D. Patterson.

Surveyed by - V. A. Bishop.

1. Condition of Records.

The records conform to the requirements of the Topographic Manual with the following exceptions:

- a. Rocks awash were shown as baring a certain number of feet without stating the datum. This was assumed to be Mean Low Water and M.L.W. was added to all rocks awash.
- b. Elevations of offlying rocks and islets bare at high water are shown in black slanting figures. The Topographic Manual requires that such elevations be shown in vertical red figures.
- c. No Descriptions of Recoverable Topographic stations, Form 524, were submitted.

2. Compliance with Instructions for the Project.

The survey complies with the instructions for the project, with the following exceptions:

- a. There is evidence that the islets off Sakonnet Point are not shown in their true shape on the present survey. These islets (in particular West Island) differ considerably, in the matter of shore line detail, with recent air photographs. The photographs are in fair agreement with prior surveys. A sufficient number of rodged points were not obtained on the present survey to adequately define the high water line.

3. Junction with Contemporary Surveys.

A satisfactory junction was made with T-6119 (1934) on the east.

4. Comparison with Prior Surveys.

- a. T-182bis (1844) and T-183bis (1844).

A comparison of these surveys with the present survey shows several discrepancies in the offlying rocks. A group of rocks shown on T-182 in lat.  $41^{\circ}27'.6$ , long.  $71^{\circ}11'.8$  was not verified on the present survey. This group is not shown on any of the subsequent



topographic

/surveys but the present hydrographic survey shows a rock which bares 3 ft. at L.W. in this locality.

Other discrepancies in low water line and in rock locations are treated under comparisons with later surveys.

b. T-1161 (1870).

This survey is in fair agreement with the present survey except in the delineation of offlying rocks and islands and in the low water line. All rocks shown on this survey have been verified on the present survey, with the following exceptions:

- (1) Two breakers shown on T-1161 in lat.  $41^{\circ}27'.9$ , long.  $71^{\circ}10'.0$  although verified on the contemporary hydrographic survey are not carried forward on the present Topographic survey because the present hydrographic location is considered correct.
- (2) A breaker in lat.  $41^{\circ}28'.4$ , long.  $71^{\circ}09'.05$  is not carried forward from the old survey because contemporary hydrographic survey shows a least depth of 6 ft. after careful investigation.
- (3). Two breakers in lat.  $41^{\circ}28'.55$ , long.  $71^{\circ}08'.8$  will be disposed of in the review of H-5622.

c. T-3678 (1917).

This survey is in good agreement with the present survey except for differences in sizes and shapes of the offlying islands (see Par. 2a). Also the prior survey does not show a few rocks which are located on the present survey. All rocks on this survey are verified on the present survey,

Disposed of  
in Review of  
H-5622 (1934)  
5/16/35 R.J.C.

5. Field Drafting.

The field inking of the survey is good.

6. Additional Field Work Recommended.

The survey is complete and no additional work is required.

7. Superseding Old Surveys.

Insofar as the area actually covered on the present survey is concerned, it supersedes the following surveys for charting purposes:

T-182bis (1844)	in part.
T-183bis (1844)	in part.
T-1161 (1870)	in part.
T-3678 (1917)	in part.



8. Charted Rock.

A charted rock in lat.  $41^{\circ}28'.55$ , long.  $71^{\circ}08'.65$  was disproved during this survey (see D.R. page 2). There was no authority for this rock in any of the topographic surveys.

9. Note to Compiler.

Attention is called to the discrepancy of this survey with air photographs in the shapes of the islands off Sakonnet Pt. (see Par. 2a).

10. Reviewed by - A. F. Jankowski, December 1934.

Examined and approved:

C. K. Green, *C. K. Green*  
Chief, Section of Field Records.

*R. O. Colbert*  
Chief, Division of Charts.

*H. S. Borden*  
Chief, Section of Field Work.

*G. Thude*  
Chief, Division of H. & T.

*applied to <sup>compilation</sup> drawing of Chart 237 - June 10, 1935 - JFW*  
*applied to drawing of chrt. 353 dated May 3, 1936*

*See T-5602 and Review for discrepancies between T-5602 and T-6118.*

*9/26/36 Frank T. Eukin*

*See T-5601 and Review for discussion of discrepancies between T-5601 and T-6118*

*10/16/36 Frank T. Eukin*