

Graphic Control

6121

U. S. COAST & GEODETIC SURVEY
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Form 504
Ed. June, 1928

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

State: Massachusetts

DESCRIPTIVE REPORT

Topographic } Sheet No. "F" 6121
~~Hydrographic~~

LOCALITY

South Buzzards Bay, Massachusetts
East
M. Shaum Pt. to Horse Neck Beach
Mass.

1934

CHIEF OF PARTY

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

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REG. NO. 6121

TOPOGRAPHIC TITLE SHEET

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. "F"

REGISTER NO. 6121

State Massachusetts *Graphic Control*

General locality Buzzards Bay

Locality ^{East} ~~South part of Massachusetts Neck~~ ^{to Horse Neck Beach} Buzzards Bay
~~to Lisham Point.~~

Scale 1:10,000 Date of survey Sept.-October, 1934

~~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

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

Remarks:

DESCRIPTIVE REPORT TO ACCOMPANY
TOPOGRAPHIC SHEET "F" (Field Letter)

SOUTH COAST OF MASSACHUSETTS FROM HORSENECK BEACH TO SMITHS NECK.

1934

Project HT-179, Lieut. Wm. D. Patterson, Chief of Party.

DATE OF INSTRUCTIONS

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

LIMITS AND EXTENT OF SHEET

South coast of Massachusetts from Horseneck Beach (east
limit of Topographic Sheet "E") eastward to Smiths Neck, including
Paskamanset and Little Rivers and Allen's Pond.

GENERAL DESCRIPTION OF SHORE

The ocean shore is sandy except off Barneys Joy Point
and Smiths Neck where it is of a pebble nature. The area in be-
tween Allen's Pond and the Bay shore has numerous sand dunes
diminishing in size from a maximum height of 25 feet in the im-
mediate area of the Bay shore. Allen's Pond is completely sur-
rounded by marsh. All the islands in the Pond are of the same
marshy nature.

The land around the Bay shore from Barneys Joy Point to
Mishaum Point rises rather rapidly in most places and is generally
cleared of large tree growths.

Paskamanset River is low and marshy except in the more
narrow parts where the land rises sharply and is wooded. Little
River is likewise marshy

Numerous rock areas were located but none were found
which are not found on existing charts.

LANDMARKS

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

CHARACTER OF CONTROL

All triangulation stations were established this year and computed on the North American 1927 datum except Mishaum Point, South End, North Gable of House 1913; Mishaum Point Windmill, Near End 1913; and Stone Tower with Windmill 1913. A linear correction of minus 16.5 meters in latitude and plus 2.7 meters in longitude was applied to these three stations to bring them to the above datum. Numerous other stations were established to complete control for hydrographic surveys. There were sufficient triangulation stations located in this survey so only one permanent topographic station was established. This station (O Nye), was located by triangulation three point fix, marked with a hydrographic disc, and described on Form 524.

Two short traverses were run in the upper part of Paskamanset and Little Rivers. In neither case was triangulation control established and therefore no check could be made on the ends of the traverses run. The traverse in the Paskamanset River was started at Topographic Station Led and run northwestward approximately one mile. All topography in Little River north of the bridge was run in by traverse.

BRIDGES

There is one bridge on this sheet, across Little River. The bridge is a fixed concrete structure with one opening. Lateral clearance is 25 feet and vertical clearance at mean high water is 7 feet.

CHANGE OF SHORELINE

The original entrance to Allen's Pond as shown on chart has been closed and a new entrance blasted approximately 300 meters westward. Application has been made to the Health Department to change the channel back to the old position again.

PLACE NAMES

The Paskamanset River as called on chart is generally spoken of as Slocum's River by local inhabitants in this area. Little River as mentioned on the chart is called East Branch. The charted names are not used by anyone in this vicinity. It is recommended that the local names be charted.

STATISTICS

Area in square statute miles 16.0

Length of shoreline in statute miles 35.0

Respectfully submitted,

V.A. Bishop

V. A. Bishop, Surveyor.

Approved:

Wm. D. Patterson

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

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

GEOGRAPHIC NAMES
MASSACHUSETTS

Survey No. T 6121

Date: Dec. 4, 1934

Chart No. 1210

Diagram No. 1210-2

Names underlined in red approved Dec. 10, 1934

H. Bacon!

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

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

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

Q. Name being investigated

Set all names on survey till change is ordered. H.B.

Status	Name on Survey	Name on Chart or other Maps	New Names in local use	Names assigned by Field	Location
	-----	<u>Horse Neck</u>			
	<u>Allens Pond</u> <i>OK H.B. Q ✓</i>	Same	Allens Pond USGS. T 2217, 1895		
	<u>Barneys Joy Point</u> ✓	"	Allen's " Map of Mass. Top. 1836, 1844		
	Packahanset River <i>R</i>	"	USGB	Slocum's River <i>OK by DGN</i>	Slocum's River
	<u>Little River</u> <i>R</i>	-----		East Branch River	East River
	<u>Smiths Neck</u> <i>OK by DGN OK H.B. Q ✓</i>	Same	Smiths Neck USGS Top. 2216, 1895		
	<u>Mishaum Point</u> ✓	"			
	<u>Great Neck</u> USGS				
	<u>Goose Island</u> USGS				
	<i>Add by HTE 1/6/37 GN 2 (1937)</i>				
	<u>Black Rocks</u>				
	<u>East Horse Neck Beach</u>				
	<u>Little Beach</u>				
	<u>Pawn Rock</u>				
	<u>Slocums Neck</u>				
	<u>Potomska</u>				

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6121(1934)

Mischaum Pt. to Horse Neck, Buzzards Bay, Massachusetts.

Surveyed September-October 1934

Instructions dated: May 14, 1934 and July 11, 1934 (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. The notes regarding rocks awash failed to state the stage of tide the rocks bare the number of feet shown. It was assumed to be low water and so indicated on the survey.

b. The elevations of bare rocks and islands should have been shown in vertical red figures instead of the slanting black figures which were used.

c. No information was furnished either on the sheet or in the Descriptive Report about charted rocks which are not verified in the survey.

2. Compliance with Instructions for the Project.

The survey complies with the instructions for the project except that the low water line was not located in the rivers.

3. Junction with Contemporary Surveys.

A satisfactory junction was made with T-6119 (1934) to the west.

4. Comparison with Prior Surveys.

a. T-183 bis (1884)	T-2216 (1895)
T-193 bis (1884)	T-2217 (1895-96)

There is no good agreement between the shoreline on these old surveys and the present survey. There is some discrepancy in the islands in Allens Pond as shown on T-183 bis (1844) and those shown on the present survey but it is not of any great importance. The new channel into Allens Pond was blasted out (see D. R. page 2). North of Barney's Jay Point, T-183 (1844) shows a low water line as much as 300 meters out from the high water line. This matter will be disposed of in the contemporary hydrographic review.

Disposed of in Rev.
of H 5630(1934).
5/6/35 XUP

b. A number of rocks (bare and sunken) originating with the above surveys are in conflict with those on the present survey and have been disposed of in accordance with principles laid down in "Instructions for review of Topographic Surveys". Several rocks however, which cannot properly be disposed of in this review, have been indicated on the smooth sheet in pencil and will be considered in the review of the contemporary hydrographic survey

*Disposed of in Rev.
of H-5630 (1934).
5/6/35 N.4994.*

5. Field Drafting.

The field inking of this survey is satisfactory.

6. Additional Field Work Recommended.

The survey is complete except for the low water line and the rocks mentioned in par. 4 of this review. Inasmuch as the latter features will be disposed of in the review of the contemporary hydrographic survey no additional work is required in connection with this sheet.

7. Superseding Old Surveys.

Insofar as the topography actually covered on the present survey is concerned, as well as the indicated additions from prior surveys the present survey supersedes the following surveys for charting purposes:

- T-183 bis (1844) in part
- T-193 bis (1844) in part
- T-2216 (1895) in part
- T-2217 (1895) in part

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

Inspected by - A. L. Shalowitz.

Examined and approved:

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

J. S. Borden

Chief, Section of Field Work.

L. O. Lobnitz.
Chief, Div. of Charts.

G. W. Rude

Chief, Div. of H. & T.

*Applied to drawing of Chart 237 June 12, 1935 - jrw
and T-5601
see Review T-5600 for discussion of discrepancies with this survey.
7-15-36 F.G.E.*