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

State: Massachusetts

DESCRIPTIVE REPORT
Topographic

LOCALITY
Buzzards Bay
Brant Island, Mattapoisett Neck to Angelica Point

1935

CHIEF OF PARTY

U. S. GOVERNMENT PRINTING OFFICE: 1932
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

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. .................................................. 6358

REGISTER NO.

State: Massachusetts ....................................................

General locality: Buzzards Bay ........................................

Locality: Brant-Esquadd, Mattapoisett Neck to Angelica Point 

Scale: 1 - 10,000 Date of survey: May, 1935.

Vessel: .................................................. Field Party No. 6

Chief of party: Lt. Wm. D. Patterson ......................

Surveyed by: Victor A. Bishop ..............................

Inked by: C. R. Smith ........................................

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated: July 11, 1934 ................................

Remarks: ..................................................................
DESCRIPTIVE REPORT

To Accompany

TOPOGRAPHIC SHEET "R" (Field Letter)

Brant Island, Mattapoisett Neck to Angelica Point, Mass.

1935

Project HP-179  Wm. D. Patterson  Chief of Party.

INSTRUCTIONS:

This survey was made in accordance with the Director's Instructions dated July 11, 1934 and Supplemental Instructions dated May 9, 1935.

SURVEY METHODS:

Standard Coast & Geodetic Survey plane-table methods were used entirely in the survey of this sheet. No traverse was necessary and all signals were located by intersection cuts. A tracing from bromides of previous surveys was made and carried in the field, a continuous check was made of shore line and off shore details from this tracing.

DESCRIPTION OF SHORELINE:

The shore line is gravel with scattered boulders, except that bordering Brant Island Cove, Pine Neck Bay and the small arm in the upper end of Mattapoisett Harbor. The areas above mentioned are very low and marshy and highwater covers at times. This is especially true of Pine Neck Bay. Some marsh exists between Strawberry Point and Angelica Point, but the shore line here is generally higher than that bordering marsh elsewhere on the sheet. From off shore the entire borderline of the shore within the limits of this sheet appears densely wooded, except summer colonies on the south end of Mattapoisett Neck and the north shore of Mattapoisett Harbor. There are a number of small piers on the north shore of this harbor.

CHARACTER OF CONTROL:

All triangulation in this area was executed by Lieut. Wm. D. Patterson in 1934 and computed on the north american Datum (1927), except Mattapoisett Gray Spire (1902). This station was placed on the above datum by applying a correction of minus 16.8 meters in Latitude and a plus 3.4 meters in Longitude. Permanent Topographic Stations at GAB, RED & ARE were described on form 524. Numerous other stations were established by the plane table to furnish control for the hydrographic survey.
COMPARISON WITH PREVIOUS SURVEYS:

The present survey compares quite favorably with former surveys, except for minor details such as small piers, retaining wall, etc. Numerous inshore rocks other than those shown on Chart No. 252 were found. The Chart shows approximately 1 foot of water on the reef between Mattapoisett Neck and Ram Island. This reef now bares 14 feet at mean low water. Another reef between Gravelly Island and Mattapoisett Neck shows a three foot channel on the Chart. At present this reef bares at mean low water, with no break between the island and the neck (See Hydro-Sheet S).

A group of four rocks just north of Latitude 41° 38' and in Longitude 70° 48' shown on Chart No. 252 were not found. Search was made with a skiff, in clear, smooth water, at a low stage of tide. If these rocks are shown they should be shown as sunken rocks. The hydrographic party did not search for these rocks because of discontinuance of field work. It is recommended they be shown as sunken rocks, until further survey is made.

See review of H-5893 (1935) par. 7b (15)

Rocks from Ned Point eastward have not been searched for, as time did not permit a complete survey of that area before end of field work.

A rock shown in Latitude 41° 37.7' and Longitude 70° 47.5' was located by the hydrographic party.

GEOGRAPHIC NAMES:

<table>
<thead>
<tr>
<th>Charted name</th>
<th>Recommended name</th>
<th>Source and remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pt. May</td>
<td>Pt. May</td>
<td>Chart &amp; well established locally.</td>
</tr>
<tr>
<td>Brant Island</td>
<td>Brant Island</td>
<td>Ditto</td>
</tr>
<tr>
<td>Brant Island Cove</td>
<td>Brant Island Cove</td>
<td>Ditto</td>
</tr>
<tr>
<td>Seal Island</td>
<td>Seal Island</td>
<td>Ditto</td>
</tr>
<tr>
<td>Ram Island</td>
<td>Ram Island</td>
<td>Ditto</td>
</tr>
<tr>
<td>Mattapoisett Neck</td>
<td>Mattapoisette Neck</td>
<td>Ditto</td>
</tr>
<tr>
<td>Mattapoisett</td>
<td>Mattapoisett</td>
<td>Ditto</td>
</tr>
<tr>
<td>Gravelly Island</td>
<td>Gravelly Island</td>
<td>Ditto</td>
</tr>
<tr>
<td>Mattapoisett Harbor</td>
<td>Mattapoisett Harbor</td>
<td>Ditto</td>
</tr>
<tr>
<td>Ned Point</td>
<td>Ned Point</td>
<td>Ditto</td>
</tr>
<tr>
<td>Pine Neck Bay</td>
<td>Pine Neck Bay</td>
<td>Ditto</td>
</tr>
<tr>
<td>Strawberry Point</td>
<td>Strawberry Point</td>
<td>Ditto</td>
</tr>
<tr>
<td>Angelica Point</td>
<td>Angelica Point</td>
<td>Ditto</td>
</tr>
</tbody>
</table>

STATISTICS:

- Scale: 1-10,000
- Statute miles of shore line: 12.5
- Area in square statute miles: 7.0

APPROVED & FORWARDED:

Respectfully submitted,

[Signature]

Chief of Field Party No. 5.
ADDITIONAL NOTES BY CHIEF OF PARTY

TOPOGRAPHIC SHEET "H"


This sheet was not completed due to the disbandment of the party on account of lack of funds. It was intended to extend the topography on this sheet to station COVE & ANCOOT COVE F.S. The rocks and low water line from Ned Point eastward have not been located for the same reason.

This is a graphic control sheet only. The area is covered by air-photos which are now being reduced.

Respectfully submitted,

Wm. D. Patterson,
Lisut., C.& G. Survey,
Chief of Field Party No. 5.
### GEOGRAPHIC NAMES

**Survey No. 6358**
**Chart No. 249 and 1210**
**Diagram No. 1210-2**

Date: **Nov. 15, 1935**

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

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

Under investigation. Q

<table>
<thead>
<tr>
<th>Status</th>
<th>Name on Survey</th>
<th>Name on Chart</th>
<th>New Names in local use</th>
<th>Names assigned by Field</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pt. May</td>
<td>Pavilion</td>
<td>same</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Brant I.</td>
<td>same</td>
<td>same</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Brant C.</td>
<td>same</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ram I.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Seal I.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mattapoisett Neck</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gravelly I.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mattapoisett Harbor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mattapoisett</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ned Pt.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pine Neck Bay</td>
<td>Pine Neck, Cove</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Strawberry Pt.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Angelica Pt.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Names approved Dec. 16, 1935*

*Initial (signature)*
REVIEW OF TOPOGRAPHIC SURVEY No. 6358 (1935) Field Letter "H"

Title (Par. 56) Mattapoisett Neck to Angola Pt., Buzzards Bay, Mass.
Chief of Party A. E. Patterson
Surveyed by W. H. Bishop
Inked by C. P. Smith
Ship Field Party No. 5
Instructions dated July 11, 1934
Surveyed in May, 1935.

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.)

2. The character and scope of the survey satisfy the instructions.

3. The control and closures of traverses were adequate. (Par. 12, 29.)

4. The amount of vertical control that the Manual specifies for contours-formlines was accomplished. (Par. 18, 19, 22, 23, 25.)

5. The delineation of contours-formlines is satisfactory. (Par. 49, 50.)

6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) None submitted

7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.)

The field party reports that the marsh island at lat. 41° 37' 33", long. 70° 49' 33", enter from prior surveys no longer exists. The descriptive report of H-5883 (1935) page 2, part 2, and review of that sheet, par. 78 (9)

8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.)

Except that Low water line was not defined in some areas.

9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)

See back of this page.

10. The span, draw and clearance of bridges are shown. (Par. 16c.)

11. Locations and elevations of summits are given. (Par. 19, 51.)

12. The tree line was shown on mountains. (Par. 16g.)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.
9. The area outside the high water line (except in the area eastward of Red Pt.) has been considered in relation to the present hydrographic survey and to prior topographic surveys. No rocks were found on previous topographic surveys which need be carried forward. Additional rocks were located on the contemporary hydrographic survey, H-5883 (1935). In the area eastward of Red Point, the present topographic and hydrographic parties made no attempt to locate rocks because the party was disbanded before completion of the survey.
13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.)

14. The descriptive report also contains additional information required in more topography relative to types of photographs, method of compilation and type of ground control.

15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of IMs and DPs, 68.)

16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.)

17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) Magnetic meridian not shown.

18. The geographic datum of the sheet is North American 1927 and the reference station is correctly noted. (Par. 34.)

19. Junctions with contemporary surveys are adequate. At this time there is no contemporary survey to the eastward.

20. Geographic names are shown on the sheet and are covered by the descriptive report. (Par. 64, 66k.)

21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 40, 41, 42, 45, 46, 47, 48, 49, 50.)

22. No additional surveying is recommended. The Descriptive Report for T-6373(1935) states that photos have been made for an air photo compilation of this area.

23. The Chief of Party inspected and approved the sheet and the descriptive report after review by

24. Remarks:


Examined and approved:

[Signatures]

Chief, Section of Field Records
Chief, Section of Field Work
Chief, Division of Charts
Chief, Division of Hyd. and Top.