

Original

6358

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. H

6358

~~Hydrographic~~

LOCALITY

Buzzards Bay

Brant Island, Mattapoisett Neck to

Angelica Point.

1935

CHIEF OF PARTY

W. S. P.

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

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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. M

REGISTER NO.

6358

State Massachusetts

General locality Buzzards Bay

Locality ~~Brant Island~~, Mattapoisett Neck to Angelica Point.

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

Vessel Field Party No. 5

Chief of party Lieut. 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, 19.....

Remarks:.....

DESCRIPTIVE REPORT

To Accompany

TOPOGRAPHIC SHEET "H" (Field Letter)

Brant Island, Mattapoisett Neck to Angelica Point, Mass.

1935

Project HT-179

Wm. D. Patterson

Chief of Party.

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INSTRUCTIONS:

This survey was made in accordance with the Directors 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 16.6 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 favorable 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 Mattapoissett Neck and Ram Island. This reef now bares $1\frac{1}{2}$ feet at mean low water. Another reef between Gravelly Island and Mattapoissett 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 5.).

A group of four rocks just north of Latitude $41^{\circ} 38'$ and in Longitude $70^{\circ} 48'$ 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-5883 (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 $41^{\circ} 37.7'$ and Longitude $70^{\circ} 47.5'$ was located by the hydrographic party.

GEOGRAPHIC NAMES:

Charted name.	Recommended name.	Source and remarks.
Pt. May	Pt. May	Chart & well established locally.
Brant Island	Brant Island	Ditto
Brant Island Cove	Brant Island Cove	Ditto
Seal Island	Seal Island	Ditto
Ram Island	Ram Island	Ditto
Mattapoissett Neck	Mattapoissett Neck	Ditto
Mattapoissett	Mattapoissett	Ditto
Gravelly Island	Gravelly Island	Ditto
Mattapoissett Harbor	Mattapoissett Harbor	Ditto
Ned Point	Ned Point	Ditto
Pine Neck Bay	Pine Neck Bay	Ditto
Strawberry Point	Strawberry Point	Ditto
Angelica Point	Angelica Point	Ditto

STATISTICS:

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

APPROVED & FORWARDED:

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

Respectfully submitted,

Victor A. Bishop
Victor A. Bishop,
Surveyor.

ADDITIONAL NOTES BY CHIEF OF PARTY

TOPOGRAPHIC SHEET "H"

Mass. - 1935.

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,

A handwritten signature in cursive script, reading "Wm. D. Patterson".

Wm. D. Patterson,
Lieut., C. & G. Survey,
Chief of Field Party No. 5.

Survey No. 6358

H

Date. Nov. 15. 1935

GEOGRAPHIC NAMES

Chart No. 249 and 1210

Diagram No. 1210-2

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

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

Under investigation. Q

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Pt. May</u> ✓	<u>Pavilion</u>			
	<u>Brant I.</u> ✓	same			
	<u>Brant I. Cove</u> ✓	same			
	<u>Ram I.</u> ✓	"			
	<u>Seal I.</u> ✓	"			
	<u>Mattapoissett Neck</u> ✓	"			
	Gravelly I.	"	<i>Is island, only cluster of rocks.</i>		
	<u>Mattapoissett Harbor</u> ✓	"			
	<u>Mattapoissett</u> ✓	"			
	<u>Ned Pt.</u> ✓	"			
	<u>Pine Neck Bay</u>	<u>PINE NECK COVE</u> ✓			
	<u>Strawberry Pt.</u> ✓	"			
	<u>Angelica Pt.</u> ✓	"			
<i>Names approved Dec. 16 1935</i>					
<i>C. E. Egnel</i>					

REVIEW OF TOPOGRAPHIC SURVEY No. 6358 (1935) *Field letter "H"*Title (Par. 56) *Mattapoissett Neck to Angelica Pt, Buzzards Bay, Mass.*Chief of Party *H. D. Patterson* Surveyed by *V. A. 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 con-~~
~~tours for lines was accomplished. (Par. 18, 19, 20, 21, 22, 23.)~~
5. ~~The delineation of contours for lines 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 islet at lat. 41-37.93, long. 70-49.33, charted from prior
topo survey, no longer exists. See descriptive report of H-5883 (1935) page 2 part and review of that sheet, par 76 (13)
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.

- Page 1
9. The area outside the high water line (except in the area eastward of Ned 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 Ned 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 aere topography relative to type 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 DMs and DP's, 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, 39, 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:

Reviewed in office by *R. L. Johnston Feb. 13, 1936. Inspected by A. L. Shalowitz*

Examined and approved:

C. F. Green
Chief, Section of Field Records

Ind. L. Peacock
Chief, Section of Field Work

L. O. Lobbert
Chief, Division of Charts

G. H. Hude
Chief, Division of Hyd. and Top.