**DESCRIPTIVE REPORT**

**Type of Survey:** SHORELINE  
**Field No.:** 6116  
**Office No.:** T-11178

**LOCALITY**

**State:** MASSACHUSETTS  
**General locality:** CAPE COD BAY  
**Locality:** WARREN COVE & ROCKY POINT

**1951 – 1953**

**CHIEF OF PARTY**  
E. H. Kirsch, Chief of Party  
E. H. Kirsch, Baltimore District Office

**LIBRARY & ARCHIVES**

**DATE:** January 2, 1966
DATA RECORD

T-11178

Project No. (II): Ph-116


Photogrammetric Office (III): Baltimore, Maryland

Instructions dated (II) (III): 30 April 1953
9 June 1953
9 July 1953
11 August 1953
28 August 1953
12 February 1954 (office)

Chief of Party: E. H. Kirsch

Officer-in-Charge: E. H. Kirsch

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Scale Factor (III): 1.000

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

Mean sea level except as follows:
Elevations shown as (ft) refer to mean high water
Elevations shown as (f) refer to sounding datum
i.e., mean low water or mean lower lower water

Reference Station (III): MANOMET, 1835

Lat.: 42° 55' 38.112" (1175.9m)

Long.: 70° 35' 28.212" (650.0m)

Adjusted

Plane Coordinates (IV):

State: Mass.

Zone: Mainland

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)
Field Inspection by (II): E. T. Ogilby

Date: August 1953

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 21 Aug. 1953 - Field Inspection

Projection and Grids ruled by (IV): A. Riley

Date: 11/4/53

Projection and Grids checked by (IV): H. D. Wolfe

Date: 11/4/53

Control plotted by (III): J. King

Date: 3/10/54

Control checked by (III): A. Queen

Date: 3/16/54

Radial Plot or Stereoscopic
Control extension by (III): L. A. Senasack

Date: 3/29/54

Planimetry

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): J. Honick

Date: 8/3/55

C. A. Lipscomb

Photogrammetric Office Review by (III): R. Glaser

Date: 8/21/55

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

Date:
**DESCRIPTIVE REPORT — DATA RECORD**

**Camera (kind or source) (III):** Production and Marketing Administration, single lens and U.S.C. & G.S. single lens Camera "J".

**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>DPT-2K-185</td>
<td>10/22/51</td>
<td>1250</td>
<td>1:10,000</td>
<td>4.6</td>
</tr>
<tr>
<td>DPT-2K-187</td>
<td>10/22/51</td>
<td>1250</td>
<td>&quot;</td>
<td>4.6</td>
</tr>
<tr>
<td>53-J-605 &amp; 606</td>
<td>5/9/53</td>
<td>1400</td>
<td>&quot;</td>
<td>-0.3</td>
</tr>
<tr>
<td>53-J-610</td>
<td>5/9/53</td>
<td>1406</td>
<td>&quot;</td>
<td>0.1</td>
</tr>
<tr>
<td>53-J-661</td>
<td>5/9/53</td>
<td>1429</td>
<td>&quot;</td>
<td>0.1</td>
</tr>
<tr>
<td>53-J-662</td>
<td>5/9/53</td>
<td>1430</td>
<td>&quot;</td>
<td>2.0</td>
</tr>
</tbody>
</table>

**Tide (III)**

<table>
<thead>
<tr>
<th>Reference Station:</th>
<th>Boston</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subordinate Station:</td>
<td>Gurnet Pt.</td>
</tr>
</tbody>
</table>

Washington Office Review by (IV): S. G. Blankenbaker

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

**Land Area (Sq. Statute Miles) (III):** 2

Shoreline (More than 200 meters to opposite shore) (III): 3.5 mi.

Shoreline (Less than 200 meters to opposite shore) (III): 0.4 mi.

Control Leveling - Miles (II):

<table>
<thead>
<tr>
<th>Number of Triangulation Stations searched for (II):</th>
<th>4</th>
<th>Recovered: 2</th>
<th>Identified: 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of BMs searched for (II):</td>
<td>none</td>
<td>Recovered:</td>
<td>Identified:</td>
</tr>
</tbody>
</table>

Number of Recoverable Photo Stations established (III): none

Number of Temporary Photo Hydro Stations established (III): none

Remarks:
T-11177 and T-11178 are 2 of the 40 maps comprising Project PH-116. Project coverage includes, Cape Cod Bay shoreline, the east shore of Cape Cod, Martha's Vineyard and Nantucket Islands. The subject maps cover the portion of Cape Cod Bay shoreline extending from Kingston Bay southeast to Rocky Point.
2. AREAL FIELD INSPECTION

The area bounded by this map is mainly a resort and summer home area. It engulfs Warren Cove and Rocky Point.

The main highway along the coast passes through the western part of the map.

The photographs were easily interpreted and though they were two years old there was not much change. The following photographs were used in field inspection: DPT-2K-188, DPT-7K-81.

3. HORIZONTAL CONTROL

All Coast and Geodetic Survey stations were searched for. The following was identified but is doubtful because the description of the station is not specific enough to be sure that this is the right house: ROCKY POINT HOUSE, CHIMNEY 1906.

The following was reported lost: PILGRIM HOTEL FLAGSTAFF 1906.

The following Massachusetts Geodetic Survey traverse station of third-order accuracy was identified: M3BA 1936.

4. VERTICAL CONTROL

Inapplicable.

5. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage is easily interpreted on the photographs.

6. WOODLAND COVER

Inapplicable.

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline is in most part rocky with some sand beaches. The mean high water line and mean low water line have been delineated.

Alongshore features have been identified on the photographs where they are not easily interpreted.
8. OFFSHORE FEATURES

The only offshore features are rocks and they have been identified and heights furnished. There is little or no navigable water between the shore and the rocks. The foul areas marked as such with no rocks identified or heights furnished have no prominent rocks.

9. LANDMARKS AND AIDS

Two landmarks presently have been recommended for deletion. No new ones were selected.

There are no aids.

10. BOUNDARIES, MONUMENTS AND LINES

Inapplicable.

11. OTHER CONTROL

None was established.

12. OTHER INTERIOR FEATURES

Roads have been classified in accordance with pages 5 thru 7 of the U.S. Geological Survey Instructions, "Mapping of Roads and Railroads."

A prominent natural feature is Rocky Point. It is a high point of ground that runs to Cape Cod Bay. A bluff extends around the point and the shore is very rocky.

13. GEOGRAPHIC NAMES

No discrepancies in names were disclosed during field work.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Letter of Transmittal No. Ph-116-2, Forms 567, Landmarks and Aids to Navigation, to be forwarded to Washington Office at a later date.

Letter of Transmittal No. Ph-116-17, Data, Map T-11178, forwarded to Washington Office 18 September 1953.

Submitted
17 September 1953

E. H. Kirsch
Chief of Party

Approved & Forwarded
18 September 1953

Eugene T. Ogilby
Cartographic Sur. Aid.
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR y-COORDINATE</th>
<th>LONGITUDE OR x-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>M3BA, NOS, 1936</td>
<td>MGS</td>
<td>N.A.</td>
<td>344.537.89</td>
<td>838.481.98</td>
<td>4,537.89 (1462.11)</td>
<td></td>
<td>1383.1 (140.9)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1927</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sub. Pt.</td>
<td></td>
<td></td>
<td>344.511.07</td>
<td>838.544.47</td>
<td>4,511.07 (1488.93)</td>
<td></td>
<td>1375.0 (149.0)</td>
</tr>
<tr>
<td>M3BA, NOS, 1936</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plymouth, Rocky</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Point House</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chimney, 1908</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>p.730</td>
<td>41° 56′ 56.60″</td>
<td>70° 34′ 59.56″</td>
<td>1371.8 (10.1)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 FT. = 0.3048006 METER

COMPUTED BY: J. King DATE: 3/9/54

CHECKED BY: J. Steinberg DATE: 3/9/54
The Photogrammetric Plot Report is part of the Descriptive Report for survey No. T-11173.

31. **DELINEATION**

Graphic methods were used to delineate this manuscript.

The vertical projector was used to apply swamp and marsh to manuscript from quadrangle Manomet, Mass. as swamp and marsh limits were not field inspected. Office interpretation of photographs showed changes in some areas.

Except for the statement on the field report (item 12) concerning bluffs, no bluff limits or elevations were indicated. Bluffs shown on the manuscript were stereoscopically interpreted.

32. **CONTROL**

Refer to Photogrammetric Plot Report.

33. **SUPPLEMENTAL DATA**

The U.S.G.S. Manomet quadrangle was used for geographic names.

Field inspection data for the revision of Manomet quadrangle was also used.

34. **CONTOURS AND DRAINAGE**

Contours: Inapplicable.

Drainage: No comment.

35. **SHORELINE AND ALONGSHORE DETAILS**

Shoreline inspection was adequate. Foul areas were delineated from field inspected photos and office interpretation.

36. **OFFSHORE DETAILS**

The shoal areas at Browns Bank could not be adequately delineated from the photographs. Outer Tautog Rock was not visible on the photographs.
37. **LANDMARKS AND AIDS**

None.

Form 567 has been submitted for two landmarks recommended for deletion.

38. **CONTROL FOR FUTURE SURVEYS**

No photo-hydro stations have been located in the compilation office.

Refer to the hydrographic survey data for photo-hydro stations located by the hydrographic party.

39. **JUNCTIONS**

Junctions are in agreement with T-11177 to the west and T-11180 to the south. There is no junction to be made with T-11174 to the north.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No comment.

41 - 45

Inapplicable.

46. **COMPARISON WITH EXISTING MAPS**

Comparison was made with U.S.G.S. Quadrangle, Manomet, Mass. scale 1:31,680, edition of 1937, revised, in 1941.

47. **COMPARISON WITH NAUTICAL CHARTS**

47. **Comparison with Nautical Charts (cont'd)**

Items to be applied to Nautical Charts immediately:

None.

Items to be carried forward:

None.

Respectfully submitted
5 August 1955

Catherine A. Lipscomb
Carto. Photo. Aid

Approved and forwarded

E.H. Kirsh
Comdr. O&GS
Baltimore District Officer
48. GEOGRAPHIC NAMES LIST

* Beach Park
  Browns Bank

Cape Cod Bay

Bel River

Mass. 3 (Hwy)
Mass. 3A (Hwy)

**-Outer-Tautog-Rock Name is OK. Rock is not awash at low tide.

Plymouth Bay
Priscilla Beach

Rocky Point

*** Rocky Point Rd. OK (to S.E. of Rocky Pt.)

Warren Cove

Warren Ave. OK (to W. of Rocky Pt.)

* Name from Chart 245. Placement of name doubtful.

**-From-Chart-245. Rock not visible on photos. Name on manuscript in pencil. Name is OK. Rock not awash at low tide.

*** Name from field inspection. Name on quadrangle is Warren Avenue.

Names checked & approved
6-9-65

A. J. Wright
PHOTOGRAMMETRIC OFFICE REVIEW
T. 11 78


CONTROL STATIONS

ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES
31. Boundary lines / 32. Public land lines /

MISCELLANEOUS

Reviewer: ____________________________
Supervisor, Review Section or Unit: ____________________________

41. Remarks (see attached sheet)

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:

m.2623-12
Review Report
T-11178
May 1965

62. **Comparison with Registered Topographic Surveys**

<table>
<thead>
<tr>
<th>Survey Code</th>
<th>Year</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-3625</td>
<td>1916</td>
<td>1:20,000</td>
</tr>
</tbody>
</table>

T-11178 supersedes the prior survey for charting purposes in the common area.

63. **Comparison with Maps of Other Agencies**

<table>
<thead>
<tr>
<th>Agency</th>
<th>Description</th>
<th>Scale</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>USGS</td>
<td>Quadrangle, Manomet, Mass.</td>
<td>1:24,000</td>
<td>1941</td>
</tr>
</tbody>
</table>

No significant differences were noted.

64. **Comparison with Contemporary Hydrographic Surveys**

<table>
<thead>
<tr>
<th>Survey Code</th>
<th>Year</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-8165</td>
<td>1954</td>
<td>1:10,000</td>
</tr>
<tr>
<td>H-8166</td>
<td>1954</td>
<td>1:20,000</td>
</tr>
</tbody>
</table>

T-11178 provided the shoreline for the hydrographic surveys in the common area. Except for the revision of some rock elevations no changes were made by the hydrographer in shoreline survey details. Those rock elevations that differed as the result of the hydrographic survey field checks were removed from the shoreline survey.

Some additional rocks were located by the hydrographer. More comprehensive mapping of foul areas could be accomplished with color and infrared tide controlled photography.

65. **Comparison with Nautical Charts**

<table>
<thead>
<tr>
<th>No.</th>
<th>Scale</th>
<th>Revised</th>
</tr>
</thead>
<tbody>
<tr>
<td>245</td>
<td>1:20,000</td>
<td>4/1/63</td>
</tr>
</tbody>
</table>

No page indicating application of this map to the chart has been inserted in this Descriptive Report. No significant differences were noted except for charted rock information applied from hydrographic surveys H-8165 and H-8166.

66. **Adequacy of Results and Future Surveys**

This map meets the National Standards of Map Accuracy. Except as qualified under heading 64, T-11178 meets Bureau requirements.

Reviewed by:

S. G. Blankenbaker
Approved by:

Charles Dean
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

J. F. Woodcock
Chief, Photogrammetry Division
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be the charts indicated.

The positions given have been checked after listing by

<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE *</th>
<th>LONGITUDE *</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOTEL</td>
<td>(Has been removed)</td>
<td></td>
<td>l1 56.4</td>
<td>70 37 0</td>
<td>1927 Unknown Unknown</td>
<td>x</td>
</tr>
<tr>
<td>STANDPIPE</td>
<td>This is a circular tank and is not visible above surrounding timber</td>
<td></td>
<td>l1 56.9</td>
<td>70 35 1</td>
<td></td>
<td>x x</td>
</tr>
</tbody>
</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.
### INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Rev.

<table>
<thead>
<tr>
<th>CHART</th>
<th>DATE</th>
<th>CARTOGRAFER</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ch1208</td>
<td>3-24-73</td>
<td>AL Peliloe</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No.</td>
</tr>
</tbody>
</table>

**Note:** Consider Adequate applied.