**Diag. Cht. No. 1205.**

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Shoreline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>Ph-1114C</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-11159</td>
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</table>

**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>Maine</th>
</tr>
</thead>
<tbody>
<tr>
<td>General locality</td>
<td>Gulf of Maine</td>
</tr>
<tr>
<td>Locality</td>
<td>Wood Island to Fletcher Neck</td>
</tr>
</tbody>
</table>

1953

**CHIEF OF PARTY**

E.H. Kirsch, Chief of Field Party
I.R. Rubottom, Tampa Photo. Office

**LIBRARY & ARCHIVES**

DATE September 16, 1958
DATA RECORD

T - 11159

Project No. (II): Ph-114C


Photogrammetric Office (III): Tampa, Florida


Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Scale Factor (III): None

Date received in Washington Office (IV): 5-24-54 Date reported to Nautical Chart Branch (IV): 5-24-54

Applied to Chart No. Date: Date registered (IV): 5-24-54

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): N.H.W.

Reference Station (III): FLETCHERS NECK 156, 1941

Lat.: 43° 26' 55.921 (1725.8m.) Long.: 70° 20' 30.066 (676.0m.)

Plane Coordinates (IV): State: Zone:

Y: X:

Roman numerals indicate whether the item is to be entered by (I) Field Party, (II) 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)
DATA RECORD

Field inspection by (II):  L. F. B.  Date: Sept. 1953

Planetable contouring by (II):  Inapplicable  Date:

Completion Surveys by (II):  Inapplicable  Date:

Mean High Water Location (III) (State date and method of location):  Sept. 1953
Air Photo Compilation

Projection and Grids ruled by (IV):  Austin Riley (W.O.)  Date:  7 Aug. 1953

Projection and Grids checked by (IV):  H. D. Wolfe (W.O.)  Date:  14 Aug. 1953

Control plotted by (III):  R. J. Pate  Date:  7 Jan. 1954

Control checked by (III):  M. M. Slavney  Date:  7 Jan. 1954

Radial Plot on Stereoscopic  M. M. Slavney  Date:  2 Feb. 1954
Control extension by (III):

Stereoscopic Instrument compilation (III):  Inapplicable  Contours  Date:

Manuscript delineated by (III):  R. B. Smith  Date:  12 May 1954

Photogrammetric Office Review by (III):  J. A. Giles  Date:  17 May 1954

Elevations on Manuscript  Inapplicable  Date:

checked by (II) (III):
PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<td>53-J-314</td>
<td>22 April 1953</td>
<td>10:17</td>
<td>1:10,000</td>
<td>2.6</td>
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<td>345</td>
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<td>10:18</td>
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<tr>
<td>346</td>
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<td>10:19</td>
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<td>347</td>
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<td>10:19</td>
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<td>10:20</td>
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<td>350</td>
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<td>10:22</td>
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<td>351</td>
<td>&quot;</td>
<td>10:23</td>
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<tr>
<td>352</td>
<td>&quot;</td>
<td>10:24</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

53-J-197 to 217 incl. 18 April 1953 unknown (low-water photography

Tide (III)

Computed from the predicted tide tables

Reference Station: PORTLAND, MAINE
Subordinate Station: WOOD ISLAND HARBOR, MAINE

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 1
Shoreline (More than 200 meters to opposite shore) (III): 12
Shoreline (Less than 200 meters to opposite shore) (III):

Control Leveling = Miles (III)
Number of Triangulation Stations searched for (II): 8  Recovered: 3  Identified: 3
Number of BMs searched for (II): none               Recovered: none  Identified: none
Number of Recoverable Photo Stations established (III): none
Number of Temporary Photo Hydro Stations established (III): 16

Remarks:

Form T: Page 4
Summary to Accompany T-11159

Field instructions were issued for Ph-114 on 13 March 1953 to provide shoreline and control for inshore hydrographic surveys and to provide standard shoreline manuscripts for chart compilation.

The hydrographic phase of survey was accomplished under instructions for CS-355, 6 March 1953, 29 January 1954, and 16 February 1955, Gloucester Harbor, Mass. to Biddeford, Saco River, Maine.

(area)

A cloth-backed lithographic print of each map at manuscript scale and the descriptive report will be registered and permanently filed in the Bureau Archives.
THE FIELD INSPECTION REPORT WILL BE SUBMITTED

SEPARATELY

* Filed as a part of Report 71148
PHOTOGRAHAMMETRIC PLOT REPORT.

* This report will be submitted separately.
* Filed as a part of Report T-11/44

31. DETERMINATION.

The graphic method of compilation was used. EAGLE ISLAND (approximate latitude 43° 28.5', longitude 70° 21.5') has not been mapped because of insufficient photographic coverage. For the delineation of the shoreline of EAGLE I. see H-8257(125) - it is not shown on T-11575.

A portion of a rock jetty and two of its piers have been labeled "approx." The jetty appears in a straight line on the photograph which showed it in its entirety. Half of it could be controlled by cutting in detail points. The remainder was extended since the direction is believed to be correct. The positions of two of the piers may be approximate.

Photographs 53-J-204 to 53-J-217, inclusive, were of very poor scale. They were used only for the delineation of the low-water line and rock ledges. The projector was used for the delineation from these photographs.

32. CONTROL.

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA.

None

34. CONTOURS AND DRAINAGE.

Contouring inapplicable.

The drainage has been delineated according to the photographs

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline and alongshore details have been delineated according to field inspection notes and stereoscopic study. The shoreline inspection was adequate.

The low-water line was delineated from data furnished by the field inspection on the photographs.
36. OFFSHORE DETAILS.

Rocks and rock ledges were indicated by field inspection. These have been delineated accordingly. Rock ledges were delineated by symbol from a study of all available photographs. The heights of the rocks were symbolized as indicated by tide computation computed from inspection data submitted by the field inspector.

37. LANDMARKS AND AIDS.

Landmarks are to be submitted by the hydrographic party. Form 567 is being submitted herewith for nonfloating aids.

38. CONTROL FOR FUTURE SURVEYS.

Sixteen (16) temporary photo-hydro stations are listed under Item 49.

39. JUNCTIONS.

No contemporaneous survey on the north (Gulf of Maine) No contemporaneous survey on the south (Gulf of Maine) No contemporaneous survey on the east (Gulf of Maine) T-11160 on the west - incomplete (advance survey)

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with Army Map Service Quadrangle HILDEFORD POOL MAINE, scale 1:25,000, dated 1949 (original map was compiled from photo survey by the USC&GS in 1944). The two are in fair agreement except for a rock ledge named DANSBURY REEF. This could not be seen on the photographs, consequently not mapped. (Taken from hydro. surveys)
47. **COMPARISON WITH NAUTICAL CHARTS.**

Comparison was made with USCG Nautical Chart No. 1205, scale 1:80,000, dated June 1950 (8th Edition), corrected to 28 July 1952. The two were in fair agreement.

The map listed in Item 46 appears to have had the same source of topography and the same differences exist.

**ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.**

None.

**ITEMS TO BE CARRIED FORWARD.**

None.

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APPROVED AND FORWARDED:

Ira R. Rubottom, Chief of Party
62. Comparison with Registered Surveys

T-760  1:10,000  1859  Fletchers Neck and Vicinity
T-1168  1:10,000  1870  Mouth of the Saco River
T-1168a  1:15,000  1912-13  and Biddeford Pool

Because of extensive cultural changes, T-11159 supersedes the older surveys for charting purposes (See also T-11575, 1:5,000, same area). Note paragraph 31, page 6 of this D.R.

63. Comparison with Maps of Other Agencies

USE Biddeford Pool  1:25,000  1949
T-11159 (and T-11575) supersedes the quadrangle for charting.

64. Comparison with Contemporary Hydrographic Surveys

A-8257  1:5,000  1955  Fletchers Neck

A blueprint of the boat sheet was available for review. The shoreline is that of T-11159 (& T-11575). No changes were made during review. See paragraph 31, page 6 of this D.R., also paragraph 2 Review of H-8457(1955) L. 55.

The reef at Half tide Rock as delineated was in conflict with the hydrographic survey. Its form was changed during review and rock elevations from field photographs 53-J-200 were added.

65. Comparison with Nautical Charts


T-11159 was utilized by charts prior to review.

66. Accuracy

This survey complies with project instructions and meets the National Standards of Accuracy.

Reviewed by:

[Signature]

for Lena T. Stevens

APPROVED BY:

[Signature]

Chief, Review & Drafting Section
Photogrammetry Division

[Signature]

Chief, Photogrammetry Division

[Signature]

Chief, Nautical Chart Branch
Charts Division

[Signature]

Chief, Coastal Surveys
48. **GEOGRAPHIC NAME LIST.**

All names shown are base map names. No additions or deletions were submitted by the field inspector.

- BASKET ISLAND
- BEACH ISLAND
- BIDDEFORD POOL
- FLETCHER NECK
- GOOSEBERRY ISLAND
- GULF OF MAINE
- HALFTIDE ROCK
- HILL BEACH
- LIBBSHEARS
- MAINE
- NEGRO ISLAND
- PHILLIP ROCK
- RAM ISLAND
- STAGE ISLAND
- STATE 9
- STATE 208
- THE POOL
- WASHMAN ROCK
- WOOD ISLAND
- WOOD ISLAND HARBOR
49. NOTES FOR THE HYDROGRAPHER.

The following photo-hydro stations were identified in the field and are listed for the benefit of the hydrographer:

5901 - Northeast gable, white house, blue trim
5902 - Chimney, center two story brown shingled house (four dormer windows)
5903 - Spire, on southwest gable of house
5904 - Square platform, white house
5905 - South gable of house
5906 - Spire, most easterly of four on Mary Joseph Academy.
5907 - South gable of house
5908 - Coast Guard Lookout Tower
5909 - Spire
5910 - Chimney, north gable, white house (three dormer windows)
5911 - Spire, Union Church
5912 - Chimney, center of house, green shutters
5913 - Chimney, South gable, green roof house
5914 - East gable of northeast house
5915 - North gable, brown roof house
5916 - West gable of boat house
I recommend that the following objects which have (here) been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by

Reford E. Smith, Jr.
Carto Photo Aid

Ira E. Rubottom
Chief of Party.

<table>
<thead>
<tr>
<th>STATE</th>
<th>NAME</th>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>HAYFINGE ROCK DAYBEACON</td>
<td></td>
<td></td>
<td>43 26</td>
<td>59.75</td>
<td>70 21</td>
<td>31.59</td>
<td>M.A.</td>
<td>9/8/54</td>
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<td>PHILIP ROCK DAYBEACON</td>
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<td>70 20</td>
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<td>UASHAAN ROCK DAYBEACON</td>
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<td>45.20</td>
<td>70 19</td>
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</table>

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating...
PHOTOGRAMMETRIC OFFICE REVIEW
T. 11159


CONTROL STATIONS

ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

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

MISCELLANEOUS

40. **Signature**

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:
## NAUTICAL CHARTS BRANCH

**SURVEY NO. 11159**

*Record of Application to Charts*

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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<td>6/25/59</td>
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<td>Before Verification and Review Critical only</td>
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<td>1-22-54</td>
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<td>6-9-59</td>
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</table>

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.