# DESCRPTIVE REPORT

**Type of Survey:** Planimetric Air Photographic  
**Field No.:** Office No. T-8036

**LOCALITY**  
**State:** Maine  
**General locality:** Penobscot Bay  
**Locality:** Castine - Bagaduce River & Vicinity

**1941-'44**  
**CHIEF OF PARTY**  
D.E. Sturmer, Chief of Party  
F.L. Peacock, Baltos, Photo. Office

**LIBRARY & ARCHIVES**  
**DATE:** February 17, 1950
DATA RECORD
Map Drawing Survey
T-8036

Quadrangle (II): Castine, Maine, (15' Series)  Project No. (II): GS-272
Northeastern Portion U.S.G.S.

Field Office: Chief of Party: D.E. Sturmer
Air Photographic Party No. 2

Compilation Office: Chief of Party: Fred. L. Peacock
Baltimore Photogrammetric Office

Instructions dated (II III): Division of Photogrammetry
April 1, 1942 and April 20, 1943
March 18, 1944 - 28 MRC 1990 (supplemental instructions)
April 11, 1944 - 28 MRC 1990 (supplemental instructions)

Completed survey received in office: 7-19-44

Reported to Nautical Chart Section: 7-26-44

Reviewed: 6-10-49  Applied to chart No. Date:

Redrafting Completed;

Registered: January 26, 1950  Published:

Compilation Scale: 1:9,740  Published Scale:

Scale Factor (III): 1.02669

Geographic Datum (III): N.A. 1927  Datum Plane (III): Mean Sea Level

Reference Station (III): TAPLINS HILL, 1872, 1934, r. 1944
Lat.: 44° 24' 14.00" 444.5 m. Long.: 68° 45' 09.26" 204.7 m. Adjusted: Adjusted
Unadjusted: Field

State Plane Coordinates (VI): MAINE, East Zone

\[ \begin{align*}
X &= \quad \\
Y &= \\
\end{align*} \]

Military Grid Zone (VI)
PHOTOGRAPHS (III)
(UNMOUNTED)

<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>6979 to 6981, Incl. 10/19/41</td>
<td>10:33 a.m.</td>
<td>1:10,000</td>
<td>9.9' above Mean Low Water</td>
<td></td>
</tr>
<tr>
<td>6912 to 6914, Incl. 10/19/41</td>
<td>11:38 a.m.</td>
<td>1:10,000</td>
<td>7.2' above Mean Low Water</td>
<td></td>
</tr>
<tr>
<td>6972 to 6974, Incl. 10/20/41</td>
<td>1:37 p.m.</td>
<td>1:10,000</td>
<td>3.9' above Mean Low Water</td>
<td></td>
</tr>
<tr>
<td>*6869 to 6872, Incl. 10/19/41</td>
<td>10:33 a.m.</td>
<td>1:10,000</td>
<td>10.9' above Mean Low Water</td>
<td></td>
</tr>
</tbody>
</table>

**Tide from (III):** Tide Tables, Atlantic Ocean, 1941. Reference Station Portland, Maine, with corrections to Castine, Me., & Pumpkin Island.

**Mean Range:** 9.7' *10.3'  
**Spring Range:** South Bay, Maine  
11.1' 11.7'

**Camera:** (Kind or source) U.S. Coast and Geodetic Survey nine lens camera (focal length 8") . All negatives are on file in the Washington Office.

**Field Inspection by:** Lieutenant Dale E. Sturmer  
**date:** Spring, 1944  
**Season's Field Inspection Report will be submitted at a later date.**

**Field Edit by:** None  
**date:**

**Date of Mean High Water Line Location (III):** As of photographs taken on 10/19-20/41 supplemented by the field inspection data, obtained in 1944.

Projection and Grids ruled by (III) J.T. - B.R.C.  
**date:** 6/28/44

" " " checked by: M.U.P. - D.L.  
**date:** 7/5/44

Control plotted by: Mary R. Moore  
**date:** 7/7/44

Control checked by: James E. Sunderland  
**date:** 7/7/44

**Radial Plot by:** Walter E. Schmidt  
**date:** 7/15/44

Detailed by: Florence M. Hammond  
**date:** 7/21/44 to 8/11/44  
8/29/44 to 9/7/44  
**date:** September 1944

Reviewed in compilation office by: Harry H. Rudolph

**Map Manuscript Elevations on Field Edit Sheet checked by:** Not Applicable  
**date:**
STATISTICS (III)

Land Area (Sq. Statute Miles): \(4\frac{1}{2}\)

Shoreline (More than 200 meters to opposite shore): 24.7 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 1 Statute mile measured along center line.

Number of Recoverable Topographic Stations established: 26

Number of Temporary Hydrographic Stations located by radial plot: 184

Leveling (to control contours) - miles:
Number of Bench Marks located by radial plot: 1 (This is also a Recoverable Topographic Station)

Roman numerals indicate whether the item is to be entered by:

(II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:
CONTROL:

There are eleven horizontal control stations appearing on the Map Drawing for Survey No. T-8036. Of these, three are U. S. Coast and Geodetic Survey triangulation stations (one of which is identified by a Field Inspection Point) and eight are U. S. Coast and Geodetic Survey triangulation intersection stations (one of which is identified by a Field Inspection Point).

All of the following horizontal control stations lie within the detail limits of the Survey:

**Two U. S. Coast and Geodetic Survey triangulation stations:**

DICE HEAD LIGHTHOUSE, 1862, 1934, r. 1944 (Landmark)
TAPELS HILL, 1872, 1934, r. 1944 (not identified)

**Eight U. S. Coast and Geodetic Survey triangulation intersection stations:**

BROOKSVILLE CHURCH SPIRE, 1863, 1934, r. 1944
CASTINE, NORMAL SCHOOL SPIRE, 1911, 1934, lost in 1944
CASTINE ORTHODOX CHURCH SPIRE, 1873, 1934, r. 1944 (Landmark)
CASTINE UNITARIAN CHURCH SPIRE, 1872, r. 1944
JONES, 1865, r. 1944 (F.I.P. "JON")
OLD NORMAL SCHOOLHOUSE 1872, r. 1944
STONE BEACON, 1872, r. 1944 (Fixed Aid to Navigation)
WADSWORTH COVE BOWLER, 1911 (not used)

The following U. S. Coast and Geodetic Survey triangulation station lies just outside the detail limits of the Survey:

PENOBSCOT, 1872, 1934, r. 1944 (F.I.P. "PEN")

The triangulation stations were shown on the Map Drawing with the conventional triangulation symbol, while the Field Inspection Points are shown with small black acid ink squares.

*This station was not used to determine the positions of the recoverable topographic stations, temporary hydrographic stations, secondary and tertiary points, and photograph centers within the area of the Survey.*

A copy of the Identification Report of the horizontal control within the area of the Survey, as furnished by the Field Inspection Unit, is attached to this report.
27 RADIAL PLOT:


28 DETAILING:

The shoreline and immediate adjacent detail appearing on the Map Drawing have been shown in accordance with instructions and the field inspection data.

In general, the scales of the Map Drawing and the photographs were in good agreement. The number and distribution of the photographs were satisfactory for office detailing.

The field inspection data were adequate for the compilation of the Mean High-Water Line, approximate Mean Low-Water Line, fore-shore and offshore areas, but were not fully complete for the adjacent interior detail. In the area north of North Castine, along the west shore of the Bagaduce River, all adjacent interior features were detailed as interpreted from the office photographs by the Baltimore Compilation Office. Several roads which were not classified by the Field Inspection Unit were shown as interpreted by the Baltimore Compilation Office. The drainage immediately adjacent to the shoreline within the area of the Survey, was not fully investigated and has been shown as interpreted by the Baltimore Compilation Office.

The main bodies of water within the area of the Survey are Castine Harbor and portions of the Bagaduce River and Penobscot Bay. The shorelines of these waters are mainly backed by wooded earth bluffs, 5 to 30 feet in height. There are, however, a few small stretches of rocky bluff, ranging from 5 to 40 feet in height.

The shoreline and immediate adjacent culture have been detailed and shown eastward from the original eastern detail limits of the Survey for the area outlined with red washable ink on the glossy side of the Map Drawing. This area includes all of the area of Map Drawing, Survey No. T-8047 which was field inspected by the Field Inspection Unit of 1944. The remainder of the field inspection of Northern and South Baya, of which the above mentioned area is a part, will not be made during the season of 1944, in accordance with Supplemental Instructions from the Director, dated July 17, 1944.

The position of a portion of the shoreline on the south side of Hatch Cove was detailed according to sextant fix locations furnished by the Field Inspection Unit.

The position of a rock at the eastern end of the Narrows in the
28 DETAILING: Cont'd.

Bagaduce River has been determined by sextant fix locations furnished by the Field Inspection Unit. A copy of the sextant fix locations is attached to this report.

The radially plotted positions of recoverable topographic stations, temporary hydrographic stations and detail points, considered relatively strong, have been shown with small single blue ink circles on the glossy side of the Map Drawing, while the relatively weak positions of such points have been shown with small single green ink circles.

Since all notes pertinent to the compilation have been lettered on the Map Drawing, no overlay sheet was made.

All roads are to be considered 0.6 mm in width unless otherwise indicated on the Map Drawing. Trails have been shown with the conventional symbol, accompanied by the note "Trail".

All buildings within the detailed area of the Survey, except small outbuildings and those whose images were not visible on the photographs, have been shown on the Map Drawing with the conventional symbol.

A list of abbreviations accompanied by explanatory notes has been lettered on the Map Drawing just outside its western detail limit.

30 MEAN HIGH-WATER LINE:

The Mean High-Water Line (firm ground) was detailed in accordance with the field inspection data, and shown on the Map Drawing with a full, heavy-weight black acid ink line.

31 LOW-WATER AND SHOAL LINES:

The approximate position of the Mean Low-Water Line was detailed in accordance with the field inspection data. This feature has been shown on the Map Drawing with a dotted black acid ink line, accompanied by the note, "Approximate position of Mean Low-Water Line".

The Field Inspection Unit did not submit any data concerning shoal areas in the area of this Survey and none were visible on any of the photographs.

32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE:

The details offshore from the Mean High-Water Line consist of reefs, rocks, and a wreck. These features have been detailed in accordance
32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE: Cont'd.

with the field inspection data and shown on the Map Drawing with the conventional symbols, accompanied by pertinent notes. The extent to which the reefs, rocks, and wreck bare at Mean High-Water or Mean Low-Water, as shown on the Map Drawing, is in accordance with the field inspection data. Charted offshore features which have not been shown on the Map Drawing, are to be discussed under Side Heading No. 45.

33 WHARVES AND SHORELINE STRUCTURES:

The existence of wharves, retaining walls, cribbing, piers, and other shoreline structures located within the area of the Survey, have been verified by the Field Inspection Sub-Party. Such features have been shown on the Map Drawing with the conventional symbols, accompanied by descriptive notes.

34 LANDMARKS, AND FIXED AIDS TO NAVIGATION: See Review Report

Two previously charted Landmarks have been shown within the limits of the Map Drawing with the conventional triangulation symbol accompanied by the note "Landmark". They are as follows:

CHURCH SPIRE (Same as U.S.C.& G.S. Triangulation Station "CASTINE ORTHODOX CHURCH SPIRE, 1873, 1934, r. 1944")
TOWER (Same as U.S.C.& G.S. Triangulation Station "DICE HEAD LIGHTHOUSE, 1862, 1934, r. 1944")

Since the charted positions of these Landmarks appear to be in error, Form No. 567 was submitted on August 11, 1944. Chart Letter 575/44

One previously charted Fixed Aid to Navigation "DICE HEAD LIGHT" (unwatched) has been shown on the Map Drawing with a 2½ mm black acid ink circle, accompanied by the note "Fixed Aid to Navigation". Another previously charted Fixed Aid to Navigation, "HOSMER LEDGE BEACON (Mon.)" (Same as U.S.C.& G.S. Triangulation Station "STONE BEACON 1872, r. 1944") has been shown on the Map Drawing with the conventional triangulation symbol, accompanied by the note "Fixed Aid to Navigation".

Since the charted positions of these Fixed Aids to Navigation appear to be in error, Form No. 567 was submitted on August 11, 1944.

35 HYDROGRAPHIC CONTROL:

The selected hydrographic control for the area of the Survey consists of 194 temporary hydrographic stations and 20 recoverable topographic stations. Their positions have been determined by the radial plot
35 **HYDROGRAPHIC CONTROL:** Cont'd.

and shown on the Map Drawing with 2\(\frac{1}{2}\) mm. black acid ink circles.

The names and numbers of the Recoverable Topographic Stations accompanied by the note "Recoverable Topographic Station", and the numbers of the temporary hydrographic stations have been lettered on the Map Drawing. The descriptions of the Recoverable Topographic Stations and temporary hydrographic stations have been compiled in a list. Two copies of this list were submitted to the Washington Office on August 11, 1944, and an additional copy is attached to this report.

Form No. 524 was submitted for each of the following Recoverable Topographic Stations on August 11, 1944:

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>261</td>
<td>Cupola on building</td>
</tr>
<tr>
<td>267</td>
<td>Southeast Gable Yellow House</td>
</tr>
<tr>
<td>275</td>
<td>Center of Culvert</td>
</tr>
<tr>
<td>277</td>
<td>Southerly Gable of Unpainted Barn</td>
</tr>
<tr>
<td>281</td>
<td>Northeast Gable Hip-roofed Barn</td>
</tr>
<tr>
<td>295</td>
<td>Southwest Gable of White house</td>
</tr>
<tr>
<td>308</td>
<td>South Gable White House</td>
</tr>
<tr>
<td>309</td>
<td>North Gable of Shingle Cottage</td>
</tr>
<tr>
<td>347</td>
<td>West Gable Unpainted House</td>
</tr>
<tr>
<td>361</td>
<td>West Gable White House</td>
</tr>
<tr>
<td>372</td>
<td>West Gable 2-Story House</td>
</tr>
<tr>
<td>395</td>
<td>Northeast Gable White House</td>
</tr>
<tr>
<td>424</td>
<td>North Gable Cottage</td>
</tr>
<tr>
<td>457</td>
<td>Dice Head Light (unwatched)</td>
</tr>
<tr>
<td>463</td>
<td>Northeast Gable White House</td>
</tr>
<tr>
<td>470</td>
<td>Southwest Gable White House</td>
</tr>
<tr>
<td>478</td>
<td>Center of Large Brown House</td>
</tr>
<tr>
<td>487</td>
<td>Southwest Gable Unpainted Barn</td>
</tr>
<tr>
<td>512</td>
<td>West Gable White House</td>
</tr>
<tr>
<td>none</td>
<td>Castine, Penobscot Bay - Tidal Bench Mark 2 (1911)</td>
</tr>
<tr>
<td>None</td>
<td>CHIMNEY, 1-STORY HOUSE</td>
</tr>
</tbody>
</table>

36 **CABLE CROSSINGS:**

A cable crossing area has been shown on the Map Drawing by dashed red acid-ink lines as traced from Chart No. 311 by use of the vertical-projector.

37 **JUNCTIONS:**

A junction of shoreline and immediate adjacent culture was made
37 JUNCTIONS: Cont’d.

with Map Drawing for Survey No. T-8037 to the north and was found to be in good agreement.

As the compilation for Map Drawing, Survey No. T-8035, to the south has not yet been started, junctions with that Survey will be made at a later date.

The area at the junction with Map Drawing, Survey No. T-8019, which lies to the West, consists entirely of water and no junction need be considered.

As the compilation of Map Drawing, Survey No. T-8047, has not been started, junctions with that Survey will be made at a later date.

38 GEOGRAPHIC NAMES:

As instructed, no geographic name investigation was submitted by the Field Inspection Unit for the area of the Survey.

The geographic names shown on the Map Drawing were obtained from published data available to this Compilation Office.

An alphabetical list of the geographic names appearing on the Map Drawing is attached to this report.

Geographic names have been checked during review in the Washington Office. (See appended list at end of report)

39 RECOMMENDATIONS FOR FUTURE SURVEYS:

The compilation of this Map Drawing is believed to be complete with respect to all detail necessary for charting. The position of the planimetric details is believed to be within the limits of satisfactory accuracy.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:


Since the scale difference between the Map Drawing and the above-mentioned quadrangle was very large, comparison of small planimetric details could not be readily made. By visual comparison, however, the following differences were apparent:

Several swamp areas appearing on the quadrangle, the existence of which were not verified by the Field Inspection Unit, have not been
44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES: Cont'd.

shown on the Map Drawing.

A number of trails appearing on the quadrangle, the existence of which were not verified by the field inspection unit and whose images were not visible on the photographs because of dense vegetation, have not been shown on the Map Drawing.

Two piers appear on the quadrangle on the south side of Wadsworth Cove where only one is shown on the Map Drawing.

Several piers appearing in the vicinity of Castine on the quadrangle are now shown in ruin on the Map Drawing.

45 COMPARISON WITH NAUTICAL CHARTS:

Chart No: 311, Scale 1:40,000, published at Washington, D. C., June 1932, reissued June 1938, corrected to April 13, 1944.

Because of the scale difference between the Map Drawing and the above-mentioned chart, comparison of small planimetric details could not be readily made. By visual comparison, however, the following differences were apparent:

* Numerous rocks awash appearing on the chart are not shown on the Map Drawing and several rocks awash which have been shown on the Map Drawing do not appear on the chart.

* Several roads shown on the Map Drawing, do not appear on the above-mentioned chart.

* The charted positions of the Fixed Aids to Navigation "DICE HEAD LIGHT (unlit)" and "HOSMER LEDGE BEACON (Mon.)" are in disagreement with their positions as shown on the Map Drawing.

* A rock ledge symbol appears on the above-mentioned chart in the vicinity of Perkins Point, Steele Point, and Smith Cove. The gravel and boulder symbol has been shown on the Map Drawing.

* A dirt bluff symbol was shown on the Map Drawing at Henry Point. This symbol does not appear on the above-mentioned chart.

The charted positions of the Landmarks "CHURCH SPIRE" and "TOWER" are in disagreement with their positions as shown on the Map Drawing.

* These differences also apply to Chart No. 1203.

Chart No. 1203, Scale 1:80,000, Published in Washington, D. C.,
45 COMPARISON WITH NAUTICAL CHARTS: (Cont'd.)

June 1936, reissued April 1938, corrected to September 2, 1942.

Because of the great difference between the above-mentioned chart and the Map Drawing, small planimetric features could not readily be compared. However, the following differences were apparent:

The charted position of the Landmark "CHURCH SPIRE" is in disagreement with its position as shown on the Map Drawing. See diagram appended under Item 30.

The differences marked with an asterisk under Chart No. 311 also apply to Chart No. 1203.
Respectfully Submitted:
September 14, 1944

Florence M. Hammond
Asst. Photogrammetric Aid

Compilation and Descriptive Report Reviewed by:

Harry R. Rudolph
Sr. Photogrammetric Aid

Supervised By:

Walter E. Schmidt
Asst. Photogrammetric Engineer

Approved and Forwarded:
September 19, 1944

Fred. L. Peacock,
Chief of Party, C. & G. Survey
## IDENTIFICATION REPORT

### HORIZONTAL CONTROL

Survey No. T-8036

<table>
<thead>
<tr>
<th>Name of Station</th>
<th>U.S.G.S. Quadrangle</th>
<th>Recovery Data</th>
<th>Pricking Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brooksville Church Spire, 1863</td>
<td>Castine</td>
<td>Recovered</td>
<td>Positive</td>
</tr>
<tr>
<td>Bakers Flagstaff, 1863</td>
<td>Castine</td>
<td>Lost</td>
<td></td>
</tr>
<tr>
<td>Castine, 1861</td>
<td>Castine</td>
<td>Lost</td>
<td></td>
</tr>
<tr>
<td>Castine, Normal School Spire, 1911</td>
<td>Castine</td>
<td>Lost</td>
<td>*Positive</td>
</tr>
</tbody>
</table>
| *Spire was still standing in 1941 when photographs were taken.*
| Castine Orthodox Church Spire, 1873    | Castine             | Recovered     | Positive      |
| Castine Unitarian Church Spire, 1872   | Castine             | Recovered     | Positive      |
| Castine Yellow Windmill, 1911          | Castine             | Lost          |               |
| Dice Head Lighthouse, 1862             | Castine             | Recovered     | Positive      |
| Fish House, South Gable, 1911          | Castine             | Lost          |               |
| Jones, 1863                            | Castine             | Lost          | **Not pricked** |
| North Castine Flagstaff, 1863          | Castine             | Lost          |               |
| Old Normal Schoolhouse, 1872           | Castine             | Recovered     | Positive      |
| Oldest House in Town, Tall Chimney, 1872| Castine             | Lost          |               |
| Red House, 1872                        | Castine             | Lost          |               |
| Stone Beacon, 1872                     | Castine             | Not Identified| Positive      |
| Teplins Hill, 1872                     | Castine             | Recovered     | **Not pricked**|

**Not pricked because a days work or more to run to F.I.P.**

Wadsworth Cove Boulder, 1911 Castine Not Identified Positive

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June 26, 1944

Lieutenant Dale E. Sturmer
Sextant Fix Locations for a Part of the South Shoreline of Hatch Cove and a Rock in the Bagaduce River at N. E. end of the "Narrows".

<table>
<thead>
<tr>
<th>Sextant at Station</th>
<th>Initiated on Hydrographic Station Number</th>
<th>Measured Angle to Hydrographic Station Number</th>
<th>Observed Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>282</td>
<td>280</td>
<td>55° 34'</td>
</tr>
<tr>
<td>A</td>
<td>280</td>
<td>276</td>
<td>71° 17'</td>
</tr>
<tr>
<td>A</td>
<td>279</td>
<td>276</td>
<td>32° 46'</td>
</tr>
<tr>
<td>B</td>
<td>279</td>
<td>279</td>
<td>89° 19'</td>
</tr>
<tr>
<td>B</td>
<td>275</td>
<td>279</td>
<td>62° 45'</td>
</tr>
<tr>
<td>B</td>
<td>279</td>
<td>270</td>
<td>46° 35'</td>
</tr>
<tr>
<td>C</td>
<td>279</td>
<td>275</td>
<td>78° 05'</td>
</tr>
<tr>
<td>C</td>
<td>279</td>
<td>279</td>
<td>71° 45'</td>
</tr>
<tr>
<td>C</td>
<td>279</td>
<td>279</td>
<td>35° 16'</td>
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<td>D</td>
<td>279</td>
<td>279</td>
<td>72° 39'</td>
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<tr>
<td>D</td>
<td>275</td>
<td>279</td>
<td>79° 22'</td>
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<tr>
<td>D</td>
<td>279</td>
<td>279</td>
<td>36° 20'</td>
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<td>E</td>
<td>279</td>
<td>279</td>
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<td>30° 45'</td>
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<td>279</td>
<td>275</td>
<td>55° 09'</td>
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<tr>
<td>F</td>
<td>279</td>
<td>279</td>
<td>95° 05'</td>
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<td>279</td>
<td>27° 03'</td>
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<td>G</td>
<td>279</td>
<td>279</td>
<td>50° 34'</td>
</tr>
<tr>
<td>G</td>
<td>279</td>
<td>275</td>
<td>97° 52'</td>
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<tr>
<td>G</td>
<td>275</td>
<td>275</td>
<td>30° 09'</td>
</tr>
<tr>
<td>H</td>
<td>279</td>
<td>276</td>
<td>114° 06'</td>
</tr>
<tr>
<td>H</td>
<td>275</td>
<td>276</td>
<td>36° 25'</td>
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<tr>
<td>H</td>
<td>279</td>
<td>279</td>
<td>19° 47'</td>
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<td>J</td>
<td>279</td>
<td>275</td>
<td>116° 16'</td>
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<td>275</td>
<td>45° 04'</td>
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<tr>
<td>J</td>
<td>279</td>
<td>279</td>
<td>16° 29'</td>
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<tr>
<td>K</td>
<td>279</td>
<td>275</td>
<td>100° 16'</td>
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<td>275</td>
<td>55° 00'</td>
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<td>K</td>
<td>279</td>
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<td>18° 19'</td>
</tr>
<tr>
<td>Rock in Narrows</td>
<td>323</td>
<td>322</td>
<td>35° 11'</td>
</tr>
<tr>
<td>Rock in Narrows</td>
<td>322</td>
<td>319</td>
<td>104° 09'</td>
</tr>
<tr>
<td>Rock in Narrows</td>
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Coast of Maine
Survey No. T-8036
Project No. C.S. 272

Descriptions of Recoverable Topographic
Stations, and temporary hydrographic stations within
the area of Map Drawing Survey No. T-8036

Number of Recoverable Topographic Stations 20
Number of temporary hydrographic signals 184
Total number of stations 204

Listed by Harry R. Rudolph
Harry R. Rudolph

Checked by Florence M. Hammond
and
Mary R. Moore
255  Base of lone 6 foot spruce on south tip of earth bluff. Tree is approximately 60 meters west of retaining wall.

256  Southeast corner of stone cribbing of old pier.

257  South gable of brown 1 1/2 story house, sun porch on south side.

258  Southwest corner of wooden pier. Small shingled building on west side of inshore end. Lilac bushes at head of steps that lead down to pier.

259  Top of pyramidal roof on white shelter on end of pier with white railings. "Holiday House" south side of shelter.

260  South end of easterly of two concrete jetties.

261  "Cupola on Building". Station is the top of a cupola on flat-roof white building on the Castine water front. A stone jetty runs southward from the building. There is a weather vane on the cupola and both cupola and building are trimmed in green. (Recoverable Topographic Stations.)

262  Top of 50 foot brick stack.

263  Southeast gable of two story building "Acadia Wharf" on south side.

264  Red house on pier, green trim. Southeast gable on red house.

265  Northeast corner of log retaining wall.

266  Southeast gable on white 1 1/2 story house with lone brick chimney in center. Large dilapidated building to southwest of it.

267  "Southeast Gable Yellow House". Station is the southeast gable of a 1 1/2 story yellow house with brown trim and an "L" on northeast side, located on the northeastern edge of Castine, between the water front street and the shore, 20 meters from center of street and 40 meters back of the shore line.
House is about 100 meters southwest of bend in street to the northwest (left).  ( Recoverable Topographic Station)

268 Center of pyramidal roof on brown green roofed house with chimney in center.

269 Center of ditch at grass line.

270 Light colored boulder on point at Mean High-Water Line (largest boulder.)  Bare patch of bank directly behind rock.

271 Large flat light brown boulder off point.

272 Tip of grass at inshore end of sand bar.

273 Highest crest of large black flat ledge.

274 North end of dump just east of highway.

275 "Center of Culvert".  Station is the center of the headwall at northeast end of culvert under the main road to Castine at the upper end of Hatch Cove.  (Recoverable Topographic Station.)

276 Top of large lone offshore boulder.

277 "Southerly Gable of Unpainted Barn".  Station is the southerly gable of an unpainted barn with low flat cupola, located about 1 mile north of Castine, on the northern side of Hatch Cove, 250 meters from the High-Water Line, 220 meters south of where the Castine road forks, into east and west routes, and north of an apple orchard.  (Recoverable Topographic Station.)

278 Top of small black boulder about 10 meters offshore.

279 White 2 foot boulder 35 meters east of small brook.

280 Top of 5 foot angular ledge under apple tree at High-Water Line.

281 "Northeast Gable Hip-Roofed Barn."  Station is the northeast gable of an unpainted hip-roofed barn located on the point between Castine Harbor and Hatch Cove, 250 meters from end of point, and about 150 meters both from the High-Water Line.
in Castine Harbor and Hatch Cove. (Recoverable Topographic Station.)

282 Three-foot boulder on water line 1 meter offshore from Mean High-Water Line.

283 Small light colored boulder at Mean High-Water Line 15 meters west of small wet weather stream.

284 Two-foot white boulder 30 meters east of bare white patch on bank.

285 Round 5 foot boulder offshore.

286 Small 2 foot gray boulder with veins of quartz on it. Only boulder on point of such description. Three-foot white boulder approximately 17 meters to north.

287 Sharp tip of grass on inside of first bend in stream. There is a small brown boulder with a pointed top at the tip of grass.

288 Top of 2 foot white boulder with dome top at Mean High-Water Line.

289 East end of bare patch of bank on tip of point.

290 Flat jagged boulder 5 feet wide 6 meters offshore from Mean High-Water Line.

291 Large 6 foot wide brown rock 35 meters offshore from Mean High-Water Line.

292 Four-foot brown rock on rounding point 5 meters offshore of point.

293 Spruce tree with forked top at High-Water Line.

294 Rock at High-Water Line on point. One-foot bar in center of 1 foot diameter rock.

295 "Southwest Gable of White House." Station is the southwest gable of a white house with 2 chimneys, with flagpole in southwest corner of lawn and an apple orchard east of the
house. House is located on the northwest side of the Bagaduce River, 2 miles northeast of Castine, at a small settlement called North Castine, 550 meters north-northwest of Negro Island, 230 meters back of shoreline, 160 meters southeast of paved road where it bends to the left and follows along river. (Recoverable Topographic Station.)

296 Northeast tip of grass on rocky point.

297 Southeast corner of rock cribbing.

298 White topped ledge 20 meters offshore. North tip of northern "Negro Island."

299 Two-foot brown rock on Mean High-Water Line.

300 South tip of brush on northern "Negro Island."

301 Off north tip of southerly island, dome yellow colored 1 foot rock.

302 Largest rock (round boulder) on northeasterly shore of southerly island, offshore.

303 Round 2 foot boulder at Mean High-Water Line.

304 Rounded yellow rock offshore from southwest end of southerly island.

305 Six-foot bush on south side of rock pile at southeast corner of open field.

306 Tip of grass 12.2 meters east from large round topped ash tree, 128 meters northeast from oblong gray boulder which is 5.0 meters south of ash tree at High-Water Line and 25.8 meters south of dead spruce which leans out (east) over High-Water Line.

307 Lone apple tree that overhangs ledge approximately 20 meters north from tip of point of birches.
"South Gable White House." Station is the southerly gable of a 1½ story white house with 2 brick chimneys and a flag pole in the lawn, located on the northern shore of the Bagaduce River where it turns to the south after coming out of the Narrows from Northern and South Bays. House is 150 meters north of the shoreline, 160 meters southeast of the main road along the north side of the river and 700 meters northeast of a road main junction. There is an unpainted house to the eastward and an unpainted barn to the northeastward. (Recoverable Topographic Station.)

"North Gable of Shingle Cottage." Station is north gable of an unpainted shingle cottage with a stone chimney in the center, located on the western shore of the Bagaduce River, 2½ miles northeast of Castine, 700 meters southwest of the western end of Narrows, 20 meters back of the High-Water Line. (Recoverable Topographic Station.)

Northeast tip of projecting ledge.

Southeast corner of fence rail running between fields.

Three-foot square cement block on westerly side of stream.

Northeasterly of two 5-foot spruce trees. Large lone spruce is 30 meters west of one picked.

Small 4-foot spruce tree on southerly shore of point. South edge of grass line.

Southwest corner of log pier in cove.

Two-foot white boulder on Mean High-Water Line of easterly side of cove.

Southeast gable of unpainted barn with yellow end. Barn on southeast section of white house.

Four-foot square shaped boulder 3 meters offshore on easterly side of small cove.
319 South tip of prominent ledge on easterly side of point. South tip of ledge drops abruptly for 2 feet and is black. A ten inch oak is 6 meters northwest of ledge.

320 Three-foot rock with a little quartz on it laying 4 meters south of rock pile and 4 meters north of gray rock covered on top with moss.

321 Center of large offshore ledge with rounded top. Ledge makes offshore about 15 meters.

322 Large reddish brown ledge "highest part" perforated top indented with moss 12 meters north-northeast from grayish 3 foot rock covered with heavy green moss.

323 Highest tip of largest reef-northeast of narrows. Transferred to T-8047

324 Sharp point on ledge on water line off south end of banking.

325 Highest part of pointed ledge which is west of fence which runs 20 meters offshore from edge of bank. Six foot boulder east of it approximately 100 meters. Transferred to T-8047

326 Highest part of offshore ledge in bight.

327 Three-foot gray boulder on mean high water line on north side of bight.

328 Highest part of reddish brown ledge on rounding point; large grayish ledge to southwestward of it.

329 Northeast tip of gray ledge on northeast tip of point. Tip of ledge is broken off from rest of ledge. It is 4 meters northeast from grass line and 14 meters northwest from black 3 foot boulder.

330 Two-foot slender ledge on shore line southeast from banking.

331 Northeast tip of lobe juniper patch. A clump of 12 foot bushes at southwest end of juniper patch.

332 Large 3 foot round black boulder at head of cove.
North tip of gray ledge point at High-Water Line.

Tip of ledge on point at High-Water Line.

Highest part of long ledge at Mean High-Water Line on west side of cove. Highest part is white.

Three-foot bush at High-Water Line at east side of head of the cove in about the center of a small open space.

Highest part of large 6 foot boulder in bight.

Highest part of offshore ledge.

Forty-foot birch tree at edge of woods on a rounding point. Birch tree has three trunks.

Light brown ledge with rounding top in bight, highest point.

Four-foot white boulder on Mean High-Water Line.

Two-foot brown boulder on waterline 20 meters southwest of tall 30 foot lone pine tree on waterline.

Brown 3 foot boulder 4 meters offshore from Mean High-Water Line.

West gable of lobster house back of shoreline. House has black tar roof on it.

Three-foot yellow colored boulder on shoreline across small bight from lobster house.

West tip of ledge at High-Water Line. Clump of 20 foot cedars at inshore side of ledge.

"West Gable Unpainted House". Station is the westerly gable of an unpainted 1½ story white house with 2 chimneys, located on the eastern shore of the Bagaduce River, about one mile north of the West Brooksville Church, 600 meters northeast of Negro Island, 100 meters back of the shore line and east of a rounding point. (Recoverable Topographic Station.)
Highest part of tip of ledge. Ledge has quartz on it and is at northwest end of row of cedar trees.

West gable of 2 story green cottage "Rajah Cottage."

Three-foot brown rounding boulder on High-Water Line, 30 foot embankment east of boulder.

Two-foot oblong brownish black boulder on shore line directly in front of small clump of bushes.

West gable of 1½ story white house with front porch on westerly side. Flag pole in front yard of house.

South gable of southerly of two like cottages.

One-foot boulder offshore in front of one-story green cottage with name, "Sunset."

Northwest tip of rounding point of brush on east side of head of cove.

West gable of white house, T-shaped on north side of it with brick chimney in center of ridge pole.

Northwesterly of two large offshore boulders on west side of rounding point.

Large 7 foot boulder with pointed top offshore about 10 meters from Mean High-Water Line. Drops off abruptly on westward side and slopes on east end.

Large 7 foot boulder approximately 20 meters offshore from Mean High-Water Line. Highest crest of it. Boulder is about 15 feet long.

West gable of unpainted barn which is about 15 feet to the north of a garage with four sloping roof sides. Both barns are directly in back of stone and log pier.

"West Gable White House." Westerly gable of a large white house with "L" and barn attached and 4 windows showing plainly on west side of main house. House is located on the eastern side of the Bagaduce River, about 3/4 mile south-southwest of the church at West Brooksville, 250
meters back of the shoreline, 1300 meters north-northeast of Henry Point, in an open field and on the west side of a dirt road. (Recoverable Topographic Station.)

362 / Northwest gable of red boat house with old stone pier running off from the front and westerly side halfway down beach.

363 / Round 6 foot boulder on north side of rounding point.

364 / Small 3 foot boulder with sharp pointed white point below Mean High-Water Line directly in front of patch of trees on pointed banking.

365 / Three-foot gray boulder just to the westward of grass line on the easterly side of cove.

366 / Tip of west tip of grass on bare patch of banking. Narrow point that points out to the westward "On top of bare patch."

367 / Thirty-foot tree with two trunks near northwest corner of bushy field.

368 / Highest part of long ledge that is offshore at Mean High-Water, which is on west side of rounding point.

369 / Three-foot gray boulder to the south of 3 large oak trees.

370 / Three-foot reddish brown boulder a little to the southwest of wooden unpainted stairs running up on front lawn of large gray and brown house.

371 / Stern of wreck in cove. (high part) (center of stern).

372 / "West Gable 2-story House". Station is the west gable of a 2-story house trimmed in white; south side is unpainted and west end dark brown, located on a knoll with some trees back of it. House is on the northern shore of Smith Cove, 500 meters east of Henry Point, and 90 meters back of the shoreline. The area between the shoreline and house is a field. (Recoverable Topographic Station.)

373 / Largest of two brown rocks on north-northwest of small island in bay.
374 Large loose rock on reef making out on west side of island.

375 Jagged tip of broken off ledge on westerly tip of island.

376 Large 5 foot part granite boulder on water line of south end of shore.

377 Center of patch of shells southeast tip of northerly island.

378 Center of brownish yellow 5 foot boulder east of north end of sand bar.

379 Highest point of 3 foot boulder with barnacles all over boulder, except on highest 6 inch point. Boulder lays just off from large patch of grass at end of cove.

380 Large 3 foot white granite boulder on north side of cove.

381 Gray granite boulder 4 feet in easterly end of cove. Boulder is southeast of dead 15 foot tree and stump.

382 Southeast end of bare strip of bank on rounding point.

383 Highest point of 6 foot reddish brown rock in head of rapids at Low-Water.

384 Westerly spruce tree on mound at head of cove.

385 Center of offshore end of old stone jetty on east end of cove.

386 Highest part of a ledge which is ½ way between High-Water Line and ledge which is farthest offshore. There is a granite ledge northeast of it.

388 Four-foot yellow boulder of northeast end of point. Lower half of rock covered with seaweed.

389 Highest part of northwesterly section of reef at east side of entrance of cove.

390 Highest part of west end of ledge. Ledge colored a gray top and a brownish bottom half.
393 Highest part of ledge on west side of cove. Three oak trees within 3 meters of each other standing west of it.

394 Three-foot square brown boulder on southwest point of island.

395 "Northeast Gable White House." Station is the northeast gable of a white house with chimney in the middle, located on the small island which is about 250 meters southwest of Hospital Island, and is about 50 meters in from the northeastern tip. House is the only one on the island. (Recoverable Topographic Station.)

396 Two-foot gray boulder on southeast tip of island.

397 Tip northeast of ledge on northeast corner of island.

398 East tip of grass on northeast side of island. Lone oak tree is 7 meters west of tip.

424/ "North Gable Cottage." Station is the north gable of the west section of an unpainted cottage with green trim and wood stairs running down face of bank in front of cottage, located about midway on the north side of the first island east of Hospital Island and about 10 meters back of the shore line. (Recoverable Topographic Station.)

425 Northeast corner of pier running north to bay. Small grey lobster shack, green trimmed at head of pier.

426 Four-foot brown pointed boulder at head of cove. Boulder is 6 meters from Mean High-Water Line.

427 South tip of gray ledge at High-Water Line. South tip is white. Straight lone 50 foot birch tree southwest of boulder.

428 Highest part of ledge on southwest side of small island between sand bar and reef.

433 Loose rock about 3 feet long at High-Water Line and is between a tall spruce and three short spruces that overhang the ledge on the westerly side of the island.
Northeast corner of stone cribbing, largest and offshore cribbing of three such cribblings. Cribbing has split in front and center of it.

Northeast tip of gray ledge on island, which forms on northeast tip of island.

Three-foot white boulder with white point. Boulder lays between large trunked oak tree and small clearing in field.

Top of large brown ledge offshore at High-Water. Brown ledge is on westerly tip of western side of island.

Large 6 foot boulder on shoreline on northern side of island. Boulder is about 100 meters north of large house on island.

East gable of small unpainted house on pier extending east from island eastward in small cove.

Northeast gable of boat house with railway attached.

Top of long smooth ledge where a crack crosses it on top. Ledge is on east side of small cove.

Tip of highest part of largest ledge in cove on eastern side. A small 4 foot boulder directly to the east of tip on boulder.

Base of 60 foot pine tree on west side of cove.

Northeast tip of sharp ledge at High-Water Line on west side of cove near entrance.

Thirty-foot birch tree which overhangs the water slightly to the eastward. Ledge projects into water northeast from birch.

Fifty-foot lone spruce tree, prominent and is among birch trees, on the easterly side of cove.

Top of round ledge rather small with patch of sand, approximately 40 meters west of sand bar. Crooked birch tree about 10 meters southeast of round ledge.
South tip of grass at north end of sand bar running off from island.

Northwest tip of jagged ledge with two large oak trees to the south and southeast of ledge. Small rocky beach just north of tip of ledge.

Highest part of ledge on northeast tip of island.

Two-foot high boulder 11 meters northwest of High-Water Line. Offshore boulder.

Eight-foot spruce tree at foot of banking running down from an unpainted cupola house, which lays north from spruce tree.

Sharp southwest gable of brown cottage with high French windows in sunparlor. Cottage has a half moon window in gable and also a very high chimney.

Southwest corner of log retaining wall. Directly south of large cottage with green trim.

"Dice Head Light (unwatched)" Station is the top of the white navigation light on a skeleton steel tower, located near the water’s edge at Dice Head. This light replaces Dice Head Lighthouse. (Recoverable Topographic Station) (Fixed Aid to Navigation.)

Six-foot boulder at the foot of sewer pipe running down from cottage. Boulder lays about 15 meters south of foot of pipe.

Blazed spruce tree. Tree is about 30 feet long and leans about 30 degrees from horizontal. A very yellow 2 foot rock lays approximately 20 meters north from spruce tree.

A very round 6 foot boulder. Largest in vicinity.

Two-foot granite brown boulder on west side of rounding point. Small double strip on west side of it.

Southeast gable of red boat house on south side of cove. There is a wooden landing pier making out from boat house towards the east about 50 feet.
"Northeast Gable White House." Station is the northeast gable of the northeast section of a white house, located on the southwest shore of Wadsworth Cove, 20 meters back of the shoreline, 50 meters southwest from the southwest corner of a swimming pool, 20 meters west of the road along the beach. (Recoverable Topographic Station.)

West gable with white flagpole on it on west side of road, and is north of swimming pool.

Northwest tip of largest white boulder in vicinity. Boulder runs northwest and southeast. Boulder is 8 feet high.

Forty-foot spruce tree on High-Water Line, 3 foot white rock lays 50 feet to the southward of tree.

Southeast gable of unpainted old mill at head of cove.

Small 10 foot bushy apple tree on the northern side of cove, just east of rounding point. Dump along shore and another bushy apple tree approximately 150 meters northeast of it.

Southwest corner of wooden pier running out from northern side of cove.

"Southwest Gable White House." Station is the southwest gable of a large white house on a hill and a sloping field running south and to the shore, located about 1 mile northwest of Castine on the northern shore of Wadsworth Cove, 180 meters from the shoreline, 350 meters west of culvert over a small pond at the northeast corner of Wadsworth Cove and 20 meters south of the road leading up to house. (Recoverable Topographic Station.)

Five-foot boulder on westerly side of point. Twenty-foot spruce tree approximately 35 meters north of boulder. Largest boulder on point.

Six-foot brown boulder which lays 30 meters approximately, from long gray ledge which is on shoreline. South end of 6 foot boulder drops off at a sharp angle.

Six-foot round boulder south-southwest of broken ledge approximately 40 meters offshore at High-Water.
Top of 6 foot white boulder approximately 60 meters southeast from 12 foot offshore boulder.

Offshore boulder with highest elevation. Bare patch of 15 foot banking about 40 meters to the southeast of it.

Northwest tip of brush on tip of bank on northwest point of land.

Chimney on south end of small dark green cottage.

"Center of Large Brown House." Station is the center of the top of a large brown house with rock foundation. As seen from the water the house has 3 chimneys and the roof is pyramidal with 3 dormers projecting out. House is located about 2 miles north-northwest of Castine, about midway between Perkins and Steele Points, 300 meters west of Route #166, 110 meters back of the shoreline. There is a turning circle and several small buildings to the south of the house. (Recoverable Topographic Station.)

Two-foot granite boulder 25 meters north of overhanging birch. Two-foot boulder is also 13 meters north of two similar boulders 3 meters apart. There is an 8 foot grassy bank east of boulder and an open field east of it. Boulder is on High-Water Line.

Five-foot yellow brown square shaped boulder with two boulders lying close together, sandy stretch of beach running south of boulder.

Base of lone 50 foot spruce tree. Base has been blazed about 2 feet from ground.

Forty-foot double trunked spruce tree at edge of 10 foot banking. Tree stands in a clearing with only small shrubbery around it.

Large gray boulder upon bank in grass which lays just south of a ditch.

Large 5 foot rounding boulder on west side of rounding point. On point there is a lot of birch trees.
Twenty-foot apple tree on northwest corner of open field. A ½ story yellow house in southeast corner of same field.

Southwesterly of two 3 foot boulders on westerly tip of pointed tip of sand beach.

"Southwest Gable Unpainted Barn." Station is the southwest gable of an unpainted barn located to the southwest of a white house with three brick chimneys. Barn is located about 3 miles north of Castine, 1½ miles southwest of Morse Cove, 300 meters back of the shoreline of the first cove south of Morse Cove and 50 meters west of State Route #166. At this point Route #166 approaches the shoreline within 250 meters. (Recoverable Topographic Station.)

Southwest gable of unpainted little lobster house with green tar paper on roof. House on shoreline and a large open field with apple orchard is directly east of it.

West gable of white with green roof cottage and green trim. Sun porch on front of cottage which is to the north of two other cottages.

Grey 3-foot builder with white 6-inch strip running through middle of it. Included in T-5087

"West Gable White House." Station is the west gable of the main section of a 1 story white house with lone brick chimney in center and a low unpainted section built to westward from northwest corner. House is located in the southeastern corner of a small bay which is in the northeast corner of Smith Cove, 140 meters back of the shoreline, 350 meters west of the main road along Smith Cove. The road to the house leads in from the south. There is an old unpainted barn to the south of house. (Recoverable Topographic Station.)

"Tidal Bench Mark 2 (1911)" Tidal Bench Mark 2 (1911) consists of the top of the projecting foundation 4 inches from southeast face of three-story brick building owned by Parker and Westcott and is 184 feet southwest from Bench Mark 1. Four inches under Bench Mark 2 there is a cross cut with drill in northeast face of cornstone of foundation. Elevation: 14.69 feet above Mean Low-Water; 9.84 feet above half tide level; 4.99 feet above Mean High-Water. (Recoverable Topographic Station.)

"CHIMNEY, 1946" Station is located on a ridge ¼ mile N. of the Narrows and ¾ mile S. of the Bagaduce River, 70 meters N.W. of the cleared road between Castine and Penobscot, and 1½ meters N.W. of a gray barn across the road. Station is the CHIMNEY on a 3-story house which is the closest farm house to the large sugar in the road.
GEOGRAPHIC NAMES

(Undisputed)

- Bagaduce River
- Blockhouse Point
- Bog Brook
- Castine
- Castine Harbor
- Dice Head
- Fort George
- Hatch Cove
- Henry Islands
- Henry Point
- Hosmer Ledge
- Hospital Island
- Jones Point
- Trask's Rock (check with L.H.)
- Lords Cove
- Middle Ground
- Narrows
- Neutilus Island
- Negro Islands
- North Castine
- Otter Rock Shoal
- Penobscot Bay
- Perkins Point
- Shepardsen Brook
- Smith Cove
- Trott Ledge
- Wedsworth Cove
- West Brooksville

(Disputed)

- Steele Point (Pending with U.S.B.G.N.)
- State No. 176
- State Nos. 166, 166A
- State No. 199

Names preceded by * are approved. 6-2-49
L. Hect
34. **LANDMARKS and FIXED AIDS TO NAVIGATION.** There seems to be no basis for the statement in the Compilation Report, under this same heading, that the charted positions of the following —

- **CHURCH SPIRE** (Castine, Orthodox Church, Spire, 1813)
- **TOWER** (Dice Head Lighthouse, 1882)
- **HOSMER LEDGE DAYBEACON** (Stone Beacon, 1872)
- **DICE HEAD LT.** (Recoverable Topo Station, 1944)

"appear to be in error." Or, again, under item 45, that the positions are in disagreement with their positions as shown on the Map Drawing.

The only explanation to be offered for such statements might be — that in scaling those positions on Chart 311 it may have not been noticed that the 5-minute interval in latitude, below 44°25', was incomplete (i.e. only about 4.7'). And the same error may have been repeated in scaling positions from Chart 1203 where the 10-minute interval in latitude is incomplete (i.e. only about 9').

39. **GEOGRAPHIC NAMES.** — **TRASKS ROCK**, (Recov. hydro station No. 430), a large boulder visible on the photographs, has historic significance and its use without the apostrophe ('s) was approved by L. Heck, Geographic Names Section, Division of Charts.

43. **COMPARISON WITH PREVIOUS SURVEYS:**

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This map supercedes the above surveys for nautical charting purposes.

45. **COMPARISON WITH NAUTICAL CHARTS:**

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<td>Chart 1203 (1948)</td>
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