

# 8033

Diag. Cht. No. 1203-2

Form 504

## U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

### DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photographic

Field No. \_\_\_\_\_ Office No. T-8033

#### LOCALITY

State Maine

General locality Coast of Maine

Locality Penobscot Bay - Great Spruce Head  
Island - Eagle Island & Vicinity

194 1-'43

#### CHIEF OF PARTY

H.O. Fortin, Chief of Field Party  
F.L. Peacock, Balto. Photo. Office

#### LIBRARY & ARCHIVES

DATE August 8, 1950

B-1870-1 (1)

# 8033

DATA RECORD  
MAP DRAWING SURVEY  
T-8033

Quadrangle (II); Vinalhaven, Maine (15' Series) Project No. (II); C.S. 272  
Northeast Portion U.S.G.S.

Field Office:  
Air Photographic Party No. 2

Chief of Party: Fred. L. Peacock  
H. O. FORTIN

Compilation Office:  
Baltimore Photogrammetric Office

Chief of Party: Fred. L. Peacock

Instructions dated (II III);  
April 1, 1942 and April 20, 1943

Copy filed in Descriptive Division  
Report No. T- (VI)  
of Photogrammetry Office Files.

Completed survey received in office: 9-1-44

Reported to Nautical Chart Section: Sept. 1944

Reviewed: R. Martin Jait Applied to chart No. 309 (Partially) Date: {11/6/45} Partial  
{10/24/46}

Redrafting Completed: 4-17-50

Registered: 7-17-50

Published:

Compilation Scale: 1:9,700

Published Scale:

Scale Factor (III); 1.0309

Geographic Datum (III): N. A. 1927

MHW  
Datum Plane (III): Mean Sea Level

Reference Station (III): SPRUCE HEAD 2, 1911, 1934, r. 1943

Lat.: 44° 14' 22.069" 681.2m Long.: 68° 49' 28.462" 631.6m Adjusted  
~~Unadjusted~~

State Plane Coordinates (VI): Maine (East Zone)

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)  
(Unmounted nine lens)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
6886-6888 Inc.	10/19/41	11:10 A.M.	1:10,000	8.7 ft. above M.L.W.
6903-6906 Inc.	10/19/41	11:10 A.M.	1:10,000	8.7 ft. above M.L.W.
6967&6968	<del>10/20/41</del> 10/19/41	1:10 P.M.	1:10,000	2.5 <del>5.1</del> ft. above M.L.W.
7269&7270	10/21/41	11:35 A.M.	1:10,000	11.6 ft. above M.L.W.

Tide from (III); Tide tables, Atlantic Ocean, 1941, Reference Station, Portland, Maine, with corrections to Northwest Harbor, Deer Isle, Maine  
Mean Range: 10.1 ft. Spring Range: 11.5 ft.

Camera: (Kind or source) U. S. Coast and Geodetic Survey nine lens camera (focal length 8 $\frac{1}{2}$ " ) All negatives are on file in the Washington Office

Field Inspection by: Lieut. Comdr. Henry O. Fortin date: Season 1943  
Season's Field Inspection Report previously submitted

Field Edit by: *NONE* date:

Date of Mean High-Water Line Location (III): As of photographs taken on 10/21/41.  
Supplemented by the Field Inspection Data obtained in 1943  
*Refer to Review Report.*

Projection and Grids ruled by (III) B.R.C.-J.T.B.-P.J.H. date: 2/4/44  
Washington Office

" " " checked by: R.J.T. Washington Office date: 2/5/44

Control plotted by: Donald M. Brant date: 2/9/44

Control checked by: W. E. Schmidt date: 2/9/44

Radial Plot by: James E. Sunderland date: 6/10/44

Detailed by: William O. Norris date: 7/28/44 to 8/24/44  
(shore line and Interior-rough draft)

Reviewed in compilation office by: Michael G. Misulia date: August 1944

Elevations on Field Edit Sheet  
checked by: *NONE* date:

STATISTICS (III)

Land Area (Sq. Statute Miles):  $3\frac{1}{2}$

Shoreline (More than 200 meters to opposite shore): 28 Statute Miles

Shoreline (Less than 200 meters to opposite shore):  $\frac{1}{2}$  Statute Mile

Number of Recoverable Topographic Stations established: 4

Number of Temporary Hydrographic Stations located by radial plot: 121

Leveling (to control contours) - miles:

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:



Field Inspection

Field inspection data for the area of T-8033, Project No. CS-272, are contained in the "Report on Field Inspection of Air Photographs" by Henry O. Fortin, dated Jan. 31, 1944.

This report is filed in the Division of Photogrammetry General Files.

26 CONTROL:

There are 10 horizontal control stations appearing on the Map Drawing for Survey No. T-8033. They consist of 7 U. S. Coast and Geodetic Survey Triangulation Stations, 4 of which have been identified by Field Inspection Points, and 3 U. S. Coast and Geodetic Survey Triangulation Intersection Stations. All of the triangulation stations have been shown on the Map Drawing with the conventional triangulation symbol, while the F.I.P.'s have been shown with small black acid ink squares.

The following horizontal control stations lie within the detail limits of the Map Drawing:

Five U. S. Coast and Geodetic Survey Triangulation Stations:

- ✓ (a) COMPASS ISLAND, 1911, r.1934, r.1943 (F.I.P. "Com")
- ✓ . FRENCHMANS ISLAND, 1862, no rec. in 1943
- ✓ (a) SPRUCE HEAD 2, 1911, 1934, r.1943
- ✓ (a) BALD ISLAND, 1911, 1934, r.1943 (F.I.P. "Bal")
- ✓ (a) BRADBURY ISLAND, 1934, r.1943 (F.I.P. "Bury")  
F.I.P. "Brad" as of 1943-position deleted

Three U. S. Coast and Geodetic Survey Triangulation Intersection Stations:

- ✓ (a) BEAR ISLAND, HOUSE CHIMNEY, 1911, r.1943
- ✓ (a) EAGLE ISLAND, LIGHTHOUSE, 1861, 1934, r.1943  
(Fixed Aid to Navigation)
- ✓ (a) EAGLE ISLAND, HIGHEST HOUSE CHIMNEY, 1910, r.1943  
(Landmark)

The following horizontal control stations lie just outside the detail limits of the Map Drawing:

Two U. S. Coast and Geodetic Survey Triangulation Stations:

- MARK ISLAND 2, 1862, no recovery in 1943
- (a) MARK ISLAND, 1911, 1934, r.1943 (F.I.P. "Mar")

26 CONTROL: (Continued)

(a) Stations used to determine the position of the Recoverable Topographic Stations, temporary hydrographic stations, secondary and photograph centers within the area of the Survey.

A copy of the "Identification Report" of the horizontal control for the area of Survey No. T-8033, as furnished by the Field Inspection Unit, is attached to this report.

27 RADIAL PLOT:

The radial plot report covering the area of this Survey, is attached to the descriptive report for Map Drawing Survey No. T-8030, previously submitted.

28 DETAILING:

The Map Drawing for Survey No. T-8033 has been compiled in accordance with instructions. The topographic features have been detailed from unmounted nine lens photographs which were supplemented by the field inspection data. Symbolization is in accordance with the recommended symbols.

The area of Survey No. T-8033 was well covered by photography, the number of photographs being adequate for detailing. The field inspection data were also adequate, except for the foreshore area, which is to be discussed under ~~side~~ heading 31.

The scales of the Map Drawing and the photographs were in good agreement, except for the area covering Bradbury Island. This island was detailed entirely by the use of the vertical projector.

The main bodies of water appearing on the Map Drawing are Penobscot Bay and East Penobscot Bay. The land area appearing on this Map Drawing consists entirely of islands. The shore line of these islands is bordered, for the most part, by rock bluff with several stretches of sand or gravel beaches and wooded dirt or clay bluffs.



28 DETAILING: (Continued)

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

As no roads were classified by the Field Inspection Unit for the area of this Survey, they have, therefore, been classified by the Baltimore Compilation Office. Trails have been shown with the conventional symbol, accompanied by the note, "Trail."

All buildings within the 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 Eastern detail limit.~~

30 MEAN HIGH-WATER LINE:

The Mean High-Water Line (firm ground), which for the most part was fully identified and delineated upon the field photographs by the Field Inspection Unit, has been shown on the Map Drawing with a full heavy-weight black acid ink line.

It appears that some portions of the Mean High-Water Line have been identified too far out, by the Field Inspection Unit. However, since there is no available data for proving the correctness of the position of the Mean High-Water Line, it has been shown in accordance with the field inspection data. The limits of these portions have been shown on the overlay sheet, accompanied by an explanatory note.

*Refer to Review  
Report*

There are no marsh areas bordering the Mean High-Water Line within the detail limits of the Map Drawing.



### 31 LOW WATER AND SHOAL LINES:

~~The approximate outer limits of shoal areas bordering the Mean High-Water Line have been detailed in accordance with the field inspection data and shown on the Map Drawing with a dashed light-weight black acid ink line, accompanied by the note, "shoal", lettered within the included area.~~

The fore-shore areas detailed within the limits of the Map Drawing have been interpreted by the Baltimore Compilation Office in accordance with the lowest tide photographs available for the area of the Survey. All portions of fore-shore areas have been shown with the conventional symbol, accompanied by descriptive notes.

~~The approximate outer limits of rock ledge, sand, and gravel areas, as detailed on the Map Drawing, have been shown with the conventional symbol, accompanied by descriptive notes.~~ *The outer limits of rock ledge, sand and gravel areas, and other fore-shore features, indicate the approximate Mean Low Water line.*

~~No part of the Mean Low-Water Line could be detailed with confidence, either from the field inspection data or by office interpretation of the photographs.~~

### 32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE: *also see Review Report.*

The details offshore from the Mean High-Water Line, appearing on the Map Drawing, consist of rocks, reefs, cribbing, and fish traps. The existence of such features were verified by the Field Inspection Unit.

~~The extent to which the offshore rocks and reefs bare at Mean Low-Water or Mean High-Water, has been shown by notes lettered on the Map Drawing.~~

### 33 WHARVES AND SHORE LINE STRUCTURES:

The existence of piers located within the area of the Survey, have been verified by the Field Inspection Unit and have been shown on the Map Drawing with the conventional symbol, accompanied by the note, "Pier."



34 LANDMARKS, FIXED AIDS TO NAVIGATION AND AERONAUTICAL AIDS:

One landmark, "HOUSE CHY." (Triangulation Station EAGLE ISLAND, HIGHEST HOUSE CHIMNEY, 1910, rec. in 1943) and one fixed aid to navigation, "EAGLE ISLAND LIGHT" (Triangulation Station EAGLE ISLAND LIGHTHOUSE, 1861, 1934, r.1943) previously charted, have been shown within the detail limits of the Map Drawing with the conventional triangulation symbol, accompanied by the notes, "landmark" and "fixed aid to navigation," respectively. Since the position of the landmark and the fixed aid to navigation have been previously determined by triangulation by the Bureau, and have previously been charted, Form 567 will not be submitted. There were no new landmarks, new fixed aids to navigation nor aeronautical aids recommended for the area of Survey No. T-8033.

35 HYDROGRAPHIC CONTROL:

The selected hydrographic control for the area of the Survey consists of 120 temporary hydrographic stations and 4 Recoverable Topographic Stations. Their positions have been determined by the radial plot and shown on the Map Drawing with 2 $\frac{1}{2}$ mm. black acid ink circles.

The following temporary hydrographic stations could not be determined by the radial plot because of dense shadows and blurred photography, and therefore, have not been shown on the Map Drawing:

Nos. 3785, 3810, and 4162.

A list of the descriptions of the Recoverable Topographic Stations and temporary hydrographic stations is attached to this report. Two carbon copies of the list are being submitted separately for use of the Hydrographic Party.

The Recoverable Topographic Stations have been identified by the note, "Recoverable Topographic Station" lettered on the Map Drawing.



35 HYDROGRAPHIC CONTROL: (Continued)

Form No. 524 has been submitted for each of the following 4 Recoverable Topographic Stations:

*Filed in Div. Photogr. General Files.*

No.	Name
3798	Rock Cairn
3821	East Gable, Northerly Two Boat Houses
4171	West Gable, White House
4240	North Gable Unpainted House

36 LANDING FIELDS:

There are no landing fields within the area of Survey No. T-8033.

37 JUNCTIONS:

Junction of shoreline and interior details has been made with Map Drawing, Survey No. T-8032 to the South.

~~The full detail of Bradbury Island, a small portion of which would normally fall within the area of Survey No. T-8050 to the East, has been shown on Map Drawing, Survey No. T-8033.~~ Since the meridian at Longitude  $68^{\circ} 45' 00''$ , along which Map Drawings, Surveys Nos. T-8033 and T-8050 join together, passes through an all water area, except for the portion of Bradbury Island just mentioned, no junction of details need be considered.

Map Drawing, Survey No. T-8034 is to the North. Since the arc of parallel at Latitude  $44^{\circ} 15' 00''$ , along which the two Map Drawings join together, passes through an all water area between the eastern and western limits of the Surveys, no junction of details need be considered.

Map Drawing, Survey No. T-8022 is to the West. Since the meridian at Longitude  $68^{\circ} 52' 30''$ , along which the two Map Drawings join together, passes through an all water area between the southern and northern limits of the Surveys, no junction of details need be considered.



### 38 GEOGRAPHIC NAMES:

No special investigation of the geographic names pertaining to the area of the Survey was made by the Field Inspection Unit. A few of the names were recorded on the field inspection photographs.

All of the geographic names appearing on the Map Drawing are in accordance with the best sources available to the Compilation Office, namely the field inspection data, Charts Nos. 309, 310, and the United States Geological Survey Quadrangle, Vinalhaven, Maine, (15' series.)

An alphabetical list of the undisputed and disputed geographic names pertaining to the area of the Survey, is attached to this report. *Approved by Geographic Names Sect., Div. Charts.*

### 39 RECOMMENDATIONS FOR FUTURE SURVEYS:

The positions of the planimetric details appearing on the Map Drawing are believed to be within the limits of satisfactory accuracy. The compilation is complete with respect to all detail needed for charting or the preparation of a planimetric map, except as noted under ~~side~~ heading No. 30 in this report, and the absence of many rocks awash, which are to be discussed under ~~side~~ heading No. 45.

### 44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Vinalhaven, Maine (15' series) U.S.G.S., scale 1:62,500, edition of 1944. 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:

Marsh areas on Great Spruce Head Island, Butter Island, and on the southern part of Eagle Island, as they appear on the quadrangle, have not been shown on the Map Drawing, because the Field Inspection Unit classified these areas as brush.



44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES: (Continued)

~~(a) The two southernmost islands of the Barred Islands group on the quadrangle have been shown as one island on the Map Drawing.~~

(a,b) The shore line as shown on the Map Drawing, is more irregular.

The road on Great Spruce Head Island as appears on the quadrangle was not shown on the Map Drawing. No field inspection data were furnished for the identification of this road. The road lies in dense vegetation.

(a) These differences also apply to Nautical Chart No. 309.

(b) These differences also apply to Nautical Chart No. 310.

45 COMPARISON WITH NAUTICAL CHARTS:

Chart No. 309, scale 1:40,000, published at Washington, D. C., July 1943, corrected to February 19, 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:

~~Landmark "HOUSE CHIMNEY" on Eagle Island, appears to be in an erroneous position on the chart. Recommend that this be checked.~~ *Checked - L.M.G.*

More piers and cribbing have been shown on the Map Drawing.

A larger number of buildings have been shown on the Map Drawing.

A rock bluff symbol has been shown along the Mean High-Water Line of the majority of the islands within the detail limits of the Map Drawing. A dirt bluff symbol appears on the Chart.

45 COMPARISON WITH NAUTICAL CHARTS: (Continued)

More rocks awash appear on the chart. The images of the majority of the rocks awash were not visible on any of the photographs. For the most part, no field inspection data were submitted for their identification.

More roads have been shown on the Map Drawing.

Middle Rock, which appears on the Chart, was not visible on any of the photographs and therefore, was not detailed on the Map Drawing. No field inspection data were submitted.

For other differences, see ~~side~~ heading No. 44.

Chart No. 310, scale 1:40,000, published at Washington, D. C., August 1937, 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:

More piers and cribbing have been shown on the Map Drawing.

A larger number of buildings have been shown on the Map Drawing.

A rock bluff symbol has been shown along the Mean High-Water Line of the majority of the islands within the detail limits of the Map Drawing. A dirt bluff symbol appears on the Chart.

More rocks awash appear on the Chart. See comparison with Chart No. 309.

Compass Island Ledge, which appears on the chart, was not visible on any of the photographs, and therefore, was not detailed on the Map Drawing. No field inspection data were submitted.

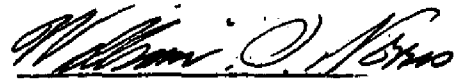
45 COMPARISON WITH NAUTICAL CHARTS: (Continued)

More roads have been shown on the Map Drawing.

For other differences see ~~side~~ heading No. 44.



Respectfully submitted:  
August 26, 1944



William O. Norris  
Photogrammetric Aid

Compilation and Descriptive  
Report, Reviewed by:



Michael G. Misulia  
Jr. Topographic Engineer

Supervised by:



Walter E. Schmidt  
Asst. Photogrammetric Engineer

Approved and Forwarded:  
September 1, 1944



Fred. L. Peacock  
Chief, Air Photographic Party No. 2

IDENTIFICATION REPORT  
OF THE HORIZONTAL CONTROL FOR THE AREA  
OF SURVEY NO. T-8033

· COMPASS ISLAND 1911, 1934. Recovered. Pricking positive  
· FRENCHMANS ISLAND 1862. Not found  
· BEAR ISLAND, HOUSE CHIMNEY, 1911. Recovered. Pricking positive  
· SPRUCE HEAD 2, 1911, 1934. Recovered. Pricking positive  
· BALD ISLAND, 1911, 1934. Recovered. Pricking positive  
· EAGLE ISLAND LIGHTHOUSE, 1861, 1934. Recovered. Pricking positive  
· EAGLE ISLAND, HIGHEST HOUSE CHIMNEY, 1910. Not identified.  
Pricking positive  
· BRADBURY ISLAND, 1934. Recovered. Pricking positive

Outside Detail Limits

MARK ISLAND, 1911, 1934. Recovered. Pricking positive  
MARK ISLAND 2, 1862. Not found

October 31, 1943

By Lieut. Comdr. Henry O. Fortin  
U.S.C. & G.S.

COAST OF MAINE  
PROJECT NO. C.S. 272  
SURVEY NO. T-8033

DESCRIPTIONS OF RECOVERABLE TOPOGRAPHIC STATIONS  
AND TEMPORARY HYDROGRAPHIC STATIONS APPEARING  
WITHIN THE DETAIL LIMITS OF MAP DRAWING  
SURVEY NO. T-8033

NUMBER OF RECOVERABLE TOPOGRAPHIC STATIONS..... 4  
NUMBER OF TEMPORARY HYDROGRAPHIC STATIONS.....120  
TOTAL NUMBER OF STATIONS 124

Listed by: William O. Norris  
William O. Norris

Checked by: Mary R. Moore  
Mary R. Moore

No.

- 3776 South tip of grass on high point. Trees 6 meters north from end of point.
- 3777 Center of round like grass patch on ledge. There is another grass patch 6' east of it. Dark green color. Ledge has no trees.
- 3778 Base of 7' spruce tree south of northeast tip of Bradbury I. It is lone spruce between two clumps of spruces.
- 3779 Top of flat ledge on east tip of island. There is a dead tree on higher ledge west of signal site.
- 3784 Top of small white topped ledge. It is 3' high on gravel beach. Northeast from high ledge.
- 3786 Base of 10' lone spruce tree on northwest end of Bradbury I. It is in small field on ledge.
- 3787 Southwest tip of point at High-Water Line. It is dark color.
- 3788 Base of most southerly spruce tree on point. Ten feet tall. It is <sup>on</sup> sloping point.
- 3789 Highest part of south end of ledge on southeast side of Butter I.
- 3790 Top of large light colored boulder in rock pile on sand beach.
- 3791 Base of most northeasterly of 4 spruce trees in grassland, 6' from grassline.
- 3792 Base of double spruce tree in grassland. There is another spruce 20 meters from it.
- 3793 Base of 20' spruce tree. There is another spruce 10 meters west of it. There is a spruce 4 meters in front of it.



8033

No.

- 3794 ~~Top of pinnacle shaped ledge. Largest ledge on rocky shore. Not visible on low water (0696, 06968) photos as picked offshore on field photo # 06886~~
- 3795 Top of pinnacle shaped rock on rocky shore. Clearing in trees on shore directly behind it.
- 3796 Top of pinnacle shaped rock off grassy point. North of sand bar. (Northwest end of Butter I.)
- 3797 Base of highest tree on highest part of <sup>north-</sup> ~~south-~~ easterly of Barred Is.
- 3798 "Rock Cairn". Top of rock cairn on highest part of northwesterly of Barred Islands. (Recoverable Topographic Station.)
- 3799 Base of most southwesterly spruce on northwesterly of Barred Islands. Double spruce 20' tall.
- 3800 Base of most southeasterly spruce tree on northeasterly of Barred Is.
- 3801 Northeast tip of grass on ledge.
- 3802 Top of largest rock on shoreline on west side of largest of Barred Is.
- 3803 Highest part of small island west of largest of Barred Is.
- 3804 Top of ledge on east side of one of Barred I. It is real ragged. Not very large. There is sand patch 10' north of it.
- 3805 Highest part of offshore ledge.
- 3806 Top of small rock on top of ledge. It has yellow moss on top of it 2' long.
- 3807 Top of light colored rock on beach at grass-line. Has brown spot on it.
- 3808 Top of ledge on sand beach. Is brown color. Longest ledge on sand beach.



8033

No.

- 3809 Top of light colored boulder on southwest end of Is. 4' from grassline. There is iron spike sticking out of it and above it, 1'.
- 3811 Center of dark green patch of brush on point east of sand beach.
- 3812 Base of southeasterly of 2 spruces. At west end of alder patch. Two deciduous trees 17 meters southwest of it. 25' tall.
- 3813 Base of lone spruce tree. At grassline 20 meters west of white rock at grassline. 12' tall.
- 3814 Base of 30' spruce tree. It is 3 meters from where cliff drops off. There is dead tree 4 meters northeast of it.
- 3815 Base of 9' spruce tree at south end of trees on east side of island.
- 3816 Top of large white boulder in rocky shore of dark colored rocks. Has black spot on it.
- 3817 Top of ledge. It is 40 meters north of grassland. Has patch of grass on it.
- 3818 Top of ledge south of crevice in ledge. At south end of I. Twenty meters south of grassland.
- 3819 Center of patch of dark green brush on west side of I. On south side of point in grassland.
- 3820 Top of round like knob on highest part of ledge at north part of I.
- 3821 "East Gable Northerly Two Boat Houses." East gable of northerly of two boat houses. It is white near top. Has one window on east side. Marine railway in front of it. (Recoverable Topographic Station.)

8033

No.

- 3822 Highest part of largest offshore ledge northeast and on east side of Great Spruce Head I.
- 3823 Highest part of offshore ledge. North end. South of sandy beach.
- 3824 Top of rock on offshore ledge at northeast side of Great Spruce Head I. Highest part of ledge on north end of southerly ledge.
- 3825 East tip of ledge at extreme north most part of Great Spruce Head I. (at High-Water Line.) It is long ledge with rough surface. Light colored.
- 3826 Top of rock at grassline and at foot of grassy bank. Has crack across side of it. Southwest of high ledge.
- 3827 Top of high grassy ledge at northwest tip of Great Spruce Head I. There is a smaller grassy ledge west of it.
- 3828 Base of westerly of two small spruce trees on ledge south of sand beach. They are 8' tall.
- 3829 Top of offshore ledge. It is west of smooth sand beach. There is small reef southwest of offshore ledge.
- 3830 Base of 20' husky spruce tree at edge of ledge south of patch of small rocks in cut in ledge. There is another spruce 6 meters north of it.
- 3831 Base of 10' spruce tree on bare place on southwest side of I. 10' tall. Ledge in grass 4 meters east of it.
- 4146 Base of 12' lone spruce tree on southeast side of Bald I. 1 meter from grassline. Near edge of cliff.
- 4147 Top of ledge at south tip of Bald I. There is shag nest on signal.

8033

No.

- 4148 Base of 4' spruce tree on ledge. It is most northwesterly tree of group of trees on ledge.
- 4149 Top of black colored ledge at north tip of Bald I.
- 4150 Base of 15' spruce tree on ledge on southwest side of I. Farthest southwest of any tree on Is.
- 4151 Top of black jagged ledge, (offshore) on east side of I.
- 4152 Top of dome shaped ledge on west side of I. Has sand on top of it.
- 4153 Top of dark colored rock off north side of I. Sits on ledge.
- 4154 Top of high ledge on west side of I. It has grass on top of it. White spots in ledge south of it.
- 4155 Top of high flat ledge at south tip of I.
- 4156 Top of large jagged boulder at southwest side of Eagle I. It is setting on end. Leaning on a smaller rock.
- 4157 Northeast tip of light colored ledge on southeast side of Eagle I. Small spruce trees in grassland north of it.
- 4158 Top of ledge on southeast side of Eagle I. There is moss patch on top of it. Small coves in ledge west of it.
- 4159 Northeast tip of grass on point between two gravel beaches on east side of Eagle I.
- 4160 Top of light colored boulder at north end of gravel beach. Most northerly beach on west side of I. Rock is 2' high.

8033

No.

- 4161 Base of 10' spruce tree on ledge on east side of Eagle I. Ledge is northerly of three ledges separated by crevices in between them.
- 4163 Northeast tip of grass on Hardhead I.
- 4164 Top of ledge on north side of Eagle I. At end of small point east of sand beach.
- 4165 Base of 30' spruce tree at west end of sand beach. At grassline.
- 4166 Top of ledge at east end of small gravel beach on northwest side of Eagle I.
- 4167 Northwest gable of green boathouse. Has white door..
- 4168 Top of black rock off point which is between two beaches on northwest side of Eagle I.
- 4169 Top of black ledge at end of long gravel point.
- 4170 West gable of yellow house. Has three windows at west end. Brick chimney in middle.
- 4171 "W. Gable White House." West gable of white house; has four windows in west end. (Recoverable Topographic station.)
- 4172 East tip of grass on Fling I.
- 4173 Southwest tip of grass on Fling I. on white ledge.
- 4174 Top of high light colored rock on northwest side of Fling I. There is shag nest on top of it.
- 4175 Highest part of Channel Rock.
- 4176 Highest part of Sloop I. Ledge.
- 4177 Center of grass patch on rock in grassland on Sloop I.

8033

No.

- 4178 Highest part of east end of Spoon Ledge.
- 4179 Northeast tip of grass on Oak Is.
- 4180 Tip of highest ledge at southwest end of Oak I.
- 4181 Center of bush on southeast side of Oak I. 1' from grassline. There is ledge 1' east from it.
- 4182 East tip of grass on Oak I.
- 4183 Top of rock on side of hill in grassland. Northwest of highest spot on I.
- 4185 Top of rock on top of grassy place at most northwesterly part of Burnt I.
- 4219 Top of black boulder on sand beach on east side of Great Spruce Head I. At south end of beach.
- 4220 Top of black ledge on east side of Great Spruce Head I. At north end of sand beach.
- 4221 Top of grey colored ledge at south end of sand beach.
- 4222 Top of light colored boulder on ledge on east side of cove.
- 4223 Base of 5' spruce tree on prominent point in cove. In grassland 3 meters from grassline.
- 4224 Base of west abutment on east side of bridge. Largest abutment.
- 4225 South tip of grass on point. Between two small sand beaches.
- 4226 Highest part of offshore ledge. Has sand bar on it.

8033

No.

- 4227 Base of 10' spruce tree. It is southwesterly of group of trees on point. It has boulder in ground at base of it.
- 4228 Top of pinnacle shaped rock on offshore ledge. It has bird's nest on it. Very jagged.
- 4229 Top of dark colored ledge at southwest tip of Horse Head I. It is not a very high ledge.
- 4230 East tip of vegetation on Horse Head I.
- 4231 Base of 35' spruce tree on west side of I. It is 8 meters from ledges. In group of spruces. Tallest of group.
- 4232 Top of boulder on northwest tip of Little Spruce Head I. Has small patch of grass on top, at north end of small gravel beach.
- 4233 Top of offshore rock off east side of Little Spruce Head I.
- 4234 Base of northerly of two bushy spruce trees on north end of field.
- 4235 Top of small light colored boulder near top of ledge at south end of small I.
- 4236 Base of lone bushy spruce tree on south side of Little Spruce Head I. East of sand beach in grassland. 10' tall.
- 4237 Center of brush patch on southerly point of I.
- 4238 Base of 15' lone spruce tree on west side of I. on rocky point, in grass. Ledge has white spot on west end of it.
- 4239 Base of 10' spruce tree near edge of ledge. It is half withered. There is bare spot in trees east of it on west side of I.

8033

No.

- 4240 "N. Gable Unpainted House." North gable of small unpainted house on north side of Scrag I. (Recoverable Topographic Station.)
- 4241 Base of tallest spruce tree on southwest end of Scrag I. 35' tall.
- 4242 Northwest gable of small unpainted house on north tip of Bear I.
- 4243 Northwest corner of wooden pier on point.
- 4244 Base of 3' spruce tree in large field on west side of Bear I. Northeast of sand beach.
- 4245 Top of black ledge on west side of Bear I. It has moss on it. On small gravel beach. Other ledge about same size 12 meters southwest of it.
- 4246 Base of most southerly tree on point. Southwest tip of I. Tree is at edge of cliff. 10' tall.
- 4247 Top center of large offshore rock. South of Bear I.
- 4248 Base of 3' spruce tree in field on southeast side of Bear I. At south end of ledge in grass.
- 4249 Top of rock at north end of small sand beach. Has yellow top.
- 4250 West tip of grass on ledge on west side of long narrow point. Southwest from smallest group of spruces.
- 4251 Center of grass on south section of grass ledge.
- 4252 Top center of offshore rock north of grass ledge.
- 4253 Top of largest of two offshore rocks northeast of Compass I.

8033

No.

- 4254 Top of small light colored boulder 6' from  
northeast tip of grass on Compass I.
- 4255 Base of westerly of two spruce trees on side  
of bank. 8' tall. Easterly tree is at grass-  
line.



8033

No.

- 3776 South tip of grass on high point. Trees 6 meters north from end of point.
- 3777 Center of round like grass patch on ledge. There is another grass patch 6' east of it. Dark green color. Ledge has no trees.
- 3778 Base of 7' spruce tree south of northeast tip of Bradbury I. It is lone spruce between two clumps of spruces.
- 3779 Top of flat ledge on east tip of island. There is a dead tree on higher ledge west of signal site.
- 3784 Top of small white topped ledge. It is 3' high on gravel beach. Northeast from high ledge.
- 3786 Base of 10' lone spruce tree on northwest end of Bradbury I. It is in small field on ledge.
- 3787 Southwest tip of point at High-Water Line. It is dark color.
- 3788 Base of most southerly spruce tree on point. Ten feet tall. It is <sup>on</sup> sloping point.
- 3789 Highest part of south end of ledge on southeast side of Butter I.
- 3790 Top of large light colored boulder in rock pile on sand beach.
- 3791 Base of most northeasterly of 4 spruce trees in grassland, 6' from grassline.
- 3792 Base of double spruce tree in grassland. There is another spruce 20 meters from it.
- 3793 Base of 20' spruce tree. There is another spruce 10 meters west of it. There is a spruce 4 meters in front of it.

8033

No.

- 3794 ~~Top of pinnacle shaped ledge. Largest ledge on rocky shore. Not visible on low water (0696, 06968) photos no picked offshore on field photo # 06886~~
- 3795 Top of pinnacle shaped rock on rocky shore. Clearing in trees on shore directly behind it.
- 3796 Top of pinnacle shaped rock off grassy point. North of sand bar. (Northwest end of Butter I.)
- 3797 Base of highest tree on highest part of <sup>north-</sup> south-easterly of Barred Is.
- 3798 "Rock Cairn". Top of rock cairn on highest part of northwesterly of Barred Islands. (Recoverable Topographic Station.)
- 3799 Base of most southwesterly spruce on northwesterly of Barred Islands. Double spruce 20' tall.
- 3800 Base of most southeasterly spruce tree on northeasterly of Barred Is.
- 3801 Northeast tip of grass on ledge.
- 3802 Top of largest rock on shoreline on west side of largest of Barred Is.
- 3803 Highest part of small island west of largest of Barred Is.
- 3804 Top of ledge on east side of one of Barred I. It is real ragged. Not very large. There is sand patch 10' north of it.
- 3805 Highest part of offshore ledge.
- 3806 Top of small rock on top of ledge. It has yellow moss on top of it 2' long.
- 3807 Top of light colored rock on beach at grass-line. Has brown spot on it.
- 3808 Top of ledge on sand beach. Is brown color. Longest ledge on sand beach.

8033

No.

- 3809 Top of light colored boulder on southwest end of Is. 4' from grassline. There is iron spike sticking out of it and above it, 1'.
- 3811 Center of dark green patch of brush on point east of sand beach.
- 3812 Base of southeasterly of 2 spruces. At west end of alder patch. Two deciduous trees 17 meters southwest of it. 25' tall.
- 3813 Base of lone spruce tree. At grassline 20 meters west of white rock at grassline. 12' tall.
- 3814 Base of 30' spruce tree. It is 3 meters from where cliff drops off. There is dead tree 4 meters northeast of it.
- 3815 Base of 9' spruce tree at south end of trees on east side of island.
- 3816 Top of large white boulder in rocky shore of dark colored rocks. Has black spot on it.
- 3817 Top of ledge. It is 40 meters north of grassland. Has patch of grass on it.
- 3818 Top of ledge south of crevice in ledge. At south end of I. Twenty meters south of grassland.
- 3819 Center of patch of dark green brush on west side of I. On south side of point in grassland.
- 3820 Top of round like knob on highest part of ledge at north part of I.
- 3821 "East Gable Northerly Two Boat Houses." East gable of northerly of two boat houses. It is white near top. Has one window on east side. Marine railway in front of it. (Recoverable Topographic Station.)

8033

No.

- 3822 Highest part of largest offshore ledge northeast and on east side of Great Spruce Head I.
- 3823 Highest part of offshore ledge. North end. South of sandy beach.
- 3824 Top of rock on offshore ledge at northeast side of Great Spruce Head I. Highest part of ledge on north end of southerly ledge.
- 3825 East tip of ledge at extreme north most part of Great Spruce Head I. (at High-Water Line.) It is long ledge with rough surface. Light colored.
- 3826 Top of rock at grassline and at foot of grassy bank. Has crack across side of it. Southwest of high ledge.
- 3827 Top of high grassy ledge at northwest tip of Great Spruce Head I. There is a smaller grassy ledge west of it.
- 3828 Base of westerly of two small spruce trees on ledge south of sand beach. They are 8' tall.
- 3829 Top of offshore ledge. It is west of smooth sand beach. There is small reef southwest of offshore ledge.
- 3830 Base of 20' husky spruce tree at edge of ledge south of patch of small rocks in cut in ledge. There is another spruce 6 meters north of it.
- 3831 Base of 10' spruce tree on bare place on southwest side of I. 10' tall. Ledge in grass 4 meters east of it.
- 4146 Base of 12' lone spruce tree on southeast side of Bald I. 1 meter from grassline. Near edge of cliff.
- 4147 Top of ledge at south tip of Bald I. There is shag nest on signal.

8033

No.

- 4148 Base of 4' spruce tree on ledge. It is most northwesterly tree of group of trees on ledge.
- 4149 Top of black colored ledge at north tip of Bald I.
- 4150 Base of 15' spruce tree on ledge on southwest side of I. Farthest southwest of any tree on Is.
- 4151 Top of black jagged ledge, (offshore) on east side of I.
- 4152 Top of dome shaped ledge on west side of I. Has sand on top of it.
- 4153 Top of dark colored rock off north side of I. Sits on ledge.
- 4154 Top of high ledge on west side of I. It has grass on top of it. White spots in ledge south of it.
- 4155 Top of high flat ledge at south tip of I.
- 4156 Top of large jagged boulder at southwest side of Eagle I. It is setting on end. Leaning on a smaller rock.
- 4157 Northeast tip of light colored ledge on southeast side of Eagle I. Small spruce trees in grassland north of it.
- 4158 Top of ledge on southeast side of Eagle I. There is moss patch on top of it. Small coves in ledge west of it.
- 4159 Northeast tip of grass on point between two gravel beaches on east side of Eagle I.
- 4160 Top of light colored boulder at north end of gravel beach. Most northerly beach on west side of I. Rock is 2' high.

8033

No.

- 4161 Base of 10' spruce tree on ledge on east side of Eagle I. Ledge is northerly of three ledges separated by crevices in between them.
- 4163 Northeast tip of grass on Hardhead I.
- 4164 Top of ledge on north side of Eagle I. At end of small point east of sand beach.
- 4165 Base of 30' spruce tree at west end of sand beach. At grassline.
- 4166 Top of ledge at east end of small gravel beach on northwest side of Eagle I.
- 4167 Northwest gable of green boathouse. Has white door..
- 4168 Top of black rock off point which is between two beaches on northwest side of Eagle I.
- 4169 Top of black ledge at end of long gravel point.
- 4170 West gable of yellow house. Has three windows at west end. Brick chimney in middle.
- 4171 "W. Gable White House." West gable of white house; has four windows in west end. (Recoverable Topographic station.)
- 4172 East tip of grass on Fling I.
- 4173 Southwest tip of grass on Fling I. on white ledge.
- 4174 Top of high light colored rock on northwest side of Fling I. There is shag nest on top of it.
- 4175 Highest part of Channel Rock.
- 4176 Highest part of Sloop I. ledge.
- 4177 Center of grass patch on rock in grassland on Sloop I.

8033

No.

- 4178 Highest part of east end of Spoon Ledge.
- 4179 Northeast tip of grass on Oak Is.
- 4180 Tip of highest ledge at southwest end of Oak I.
- 4181 Center of bush on southeast side of Oak I. 1' from grassline. There is ledge 1' east from it.
- 4182 East tip of grass on Oak I.
- 4183 Top of rock on side of hill in grassland. Northwest of highest spot on I.
- 4185 Top of rock on top of grassy place at most northwesterly part of Burnt I.
- 4219 Top of black boulder on sand beach on east side of Great Spruce Head I. At south end of beach.
- 4220 Top of black ledge on east side of Great Spruce Head I. At north end of sand beach.
- 4221 Top of grey colored ledge at south end of sand beach.
- 4222 Top of light colored boulder on ledge on east side of cove.
- 4223 Base of 5' spruce tree on prominent point in cove. In grassland 3 meters from grassline.
- 4224 Base of west abutment on east side of bridge. Largest abutment.
- 4225 South tip of grass on point. Between two small sand beaches.
- 4226 Highest part of offshore ledge. Has sand bar on it.

8033

No.

- 4227 Base of 10' spruce tree. It is southwesterly of group of trees on point. It has boulder in ground at base of it.
- 4228 Top of pinnacle shaped rock on offshore ledge. It has bird's nest on it. Very jagged.
- 4229 Top of dark colored ledge at southwest tip of Horse Head I. It is not a very high ledge.
- 4230 East tip of vegetation on Horse Head I.
- 4231 Base of 35' spruce tree on west side of I. It is 8 meters from ledges. In group of spruces. Tallest of group.
- 4232 Top of boulder on northwest tip of Little Spruce Head I. Has small patch of grass on top, at north end of small gravel beach.
- 4233 Top of offshore rock off east side of Little Spruce Head I.
- 4234 Base of northerly of two bushy spruce trees on north end of field.
- 4235 Top of small light colored boulder near top of ledge at south end of small I.
- 4236 Base of lone bushy spruce tree on south side of Little Spruce Head I. East of sand beach in grassland. 10' tall.
- 4237 Center of brush patch on southerly point of I.
- 4238 Base of 15' lone spruce tree on west side of I. on rocky point, in grass. Ledge has white spot on west end of it.
- 4239 Base of 10' spruce tree near edge of ledge. It is half withered. There is bare spot in trees east of it on west side of I.



No.

- 4240 "N. Gable Unpainted House." North gable of small unpainted house on north side of Scrag I. (Recoverable Topographic Station.)
- 4241 Base of tallest spruce tree on southwest end of Scrag I. 35' tall.
- 4242 Northwest gable of small unpainted house on north tip of Bear I.
- 4243 Northwest corner of wooden pier on point.
- 4244 Base of 3' spruce tree in large field on west side of Bear I. Northeast of sand beach.
- 4245 Top of black ledge on west side of Bear I. It has moss on it. On small gravel beach. Other ledge about same size 12 meters southwest of it.
- 4246 Base of most southerly tree on point. Southwest tip of I. Tree is at edge of cliff. 10' tall.
- 4247 Top center of large offshore rock. South of Bear I.
- 4248 Base of 3' spruce tree in field on southeast side of Bear I. At south end of ledge in grass.
- 4249 Top of rock at north end of small sand beach. Has yellow top.
- 4250 West tip of grass on ledge on west side of long narrow point. Southwest from smallest group of spruces.
- 4251 Center of grass on south section of grass ledge.
- 4252 Top center of offshore rock north of grass ledge.
- 4253 Top of largest of two offshore rocks northeast of Compass I.

8033

No.

- 4254 Top of small light colored boulder 6' from  
northeast tip of grass on Compass I.
- 4255 Base of westerly of two spruce trees on side  
of bank. 8' tall. Easterly tree is at grass-  
line.

GEOGRAPHIC NAMES

Undisputed

- T-8033
- • Bald Island ✓
  - • Barred Islands ✓
  - • Bear Island ✓
  - • Bradbury Island ✓
  - • Burnt Island ✓
  - • Butter Island ✓
  - • Channel Rock ✓
  - • Compass Island ✓
  - • \*Compass Island Ledge
  - • Eagle Island ✓
  - • Fling Island ✓

- • East Penobscot Bay ✓
- • Penobscot Bay ✓

- ✓ - • Horse Head Island

- ✓ • Grass Ledge (two) ✓
- ✓ - • Great Spruce Head Island
- ✓ - • Hardhead Island
- ✓ - • Little Spruce Head Island
- • \*Middle Rock
- ✓ - • Oak Island
- ✓ - • Scrag Island
- ✓ - • Sloop Island
- ✓ - • Sloop Island Ledge
- ✓ - • Spoon Ledge
- ✓ - • The Porcupines

\*Not shown on Map Drawing because the image of this feature was not visible on any of the photographs, and because no field inspection data were submitted.

Names preceded by •  
are approved. 6-14-49  
L. Heck

GEOGRAPHIC NAMES

Disputed

• Horse Head Island

Horsehead Island



Review Report T-8033

30 Mean High-Water Line

Although followed in compiling the shoreline, the 1943 field indications of the MHWL throughout the area were questioned during compilation review. (See field photographs).

After checking with previous surveys and comparing the 1943 field inspection with the adjoining 1946 field notes ~~for T-8049~~ (see photograph 06886 and others), the MHWL was redrawn during final review 1 mm., more or less, further inshore on much of the map.

32 Offshore Details

In this area there are several minor discrepancies in the elevations and symbolizations of offshore features at high and low water between T-8033 and Charts 309 and 310.

43 Comparison with Previous Surveys

T-1350(a)	1:10,000	1874
T-1350(b)	1:10,000	1874

*This map supersedes these surveys for nautical charting purposes.*

45 Comparison with Nautical Charts

Chart #309	1:40,000	October 1947
Chart #310	1:40,000	November 1947

Also see remarks under item 32 and item 30. *Shore line changes have been made on this manuscript since it was applied to the nautical charts as stated in item 30 above.*

47 Adequacy of the Compilation

This compilation meets the standards of required accuracy and the shoreline and detail in its immediate vicinity is adequate as a base for charts and hydrographic surveys.

Reviewed by:

*L. Martin Jajik*  
6-29-49

Under the direction of:

*A. V. Griffith*  
Chief, Review Section K.H.M.

Approved by:

*B.J. Jones 7/50*  
Tech. Asst. to Chief,  
Division of Photogrammetry

*H.C. Edmonston*  
Chief, Nautical Chart Branch  
Division of Charts

*O.S. Reading*  
Chief, Div. of Photogrammetry

*W.M. Scarfe*  
Chief, Div. of Coastal Surveys

SURVEY NO. T 80 33

[illegible]

M-2168-1

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.