

8570

Diag'd. on diag. ch. No. 1202

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

~~Additional Work~~

Type of Survey Planimetric Air Photographic
(Shoreline)

Field No. _____ Office No. T-8570

~~(Northwestern, western, and southern portions)~~

LOCALITY

State Maine

General locality Coast of Maine

Locality Swans Island, Buckle Island,

Hat Island and Harbor Island

1946

CHIEF OF PARTY

Fred. L. Peacock

LIBRARY & ARCHIVES

DATE Feb - 4 - 1948

B-1870-1 (1)++

8570

DATA RECORD

T-8570

~~(northeastern portion)~~

Quadrangle (II): Swan Island, Maine
(Northwestern Portion)

Project No. (II): CS-272

Field Office:
Air Photographic Party No. 2

Chief of Party: Fred. L. Peacock

Compilation Office:
Baltimore Photogrammetric Office

Chief of Party: Fred. L. Peacock

Instructions dated (II III):
April 1, 1942 (Additional)

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

July 10, 1943 (Horizontal Control Requirements)
March 18, April 11, & July 17, 1944 (Supplemental)

August 10, 1944 (Additional) - August 28, 1944 (Amendment to Additional
Completed survey received in office: 5-8-46 Instructions)

Reported to Nautical Chart Section:

Reviewed: 12-15-47

Partially

Applied to chart No. 308
1202Date: 9-12-45 + 10-24-46
2-14-45

Redrafting Completed:

Registered: ~~12-23-47~~ ^{1/48}

Published:

Compilation Scale: 1:10,000

Published Scale:

Scale Factor (III): 1.0000

Geographic Datum (III): N. A. 1927

Datum Plane (III): MSL

Reference Station (III): TOWNSEND, 1875, r. 1944

Lat.: 44° 08' 59.709" 1842.9m Long.: 68° 25' 28.254 627.9 m Adjusted
~~Unadjusted~~

State Plane Coordinates (VI):

X =

Y =

Military Grid Zone (VI)

North eastern Portion

* PHOTOGRAPHS (III)

Unmounted Single Lens

| <u>Number</u> | <u>Date</u> | <u>E.S. Time</u> | <u>Scale</u> | <u>Stage of Tide</u> |
|------------------|-------------|------------------|--------------|----------------------|
| 1303 | 5-26-44 | 12:30 P.M. | 1:10,000 | 9.2 ft. above M.L.W. |
| 1377-1381, Incl. | 5-29-44 | 10:15 A.M. | 1:10,000 | 1.0 ft. above M.L.W. |
| 1383-1386, " | 5-29-44 | 10:30 A.M. | 1:10,000 | 1.0 ft. above M.L.W. |
| 1391-1394 " | 5-29-44 | 10:45 A.M. | 1:10,000 | 1.1 ft. above M.L.W. |
| 1446-1450 " | 5-29-44 | 11:30 A.M. | 1:10,000 | 1.9 ft. above M.L.W. |
| 1710-1711 " | 6- 4-44 | 12:15 P.M. | 1:10,000 | 4.6 ft. above M.L.W. |
| 1767 | 6- 5-44 | 11:30 A.M. | 1:10,000 | 8.1 ft. above M.L.W. |

* Ratified Prints.

Tide from (III); Predicted Tide Tables, Atlantic Ocean, 1944. Reference Station Eastport, Maine, with corrections to Mackerel Cove, Blue Hill Bay, Me. Mean Range; 10.2 ft. Spring Range; 11.7 ft.

Camera: (Kind or source) U. S. Coast & Geodetic Survey wide angle single lens camera - Type C, Focal length 6". All negatives are on file in the Washington Office.

Field Inspection by: Lieutenant Dale E. Sturmer date: August 1944

Field Edit by: None date:

Date of Mean High-Water Line Location (III); As of the date of the photographs, supplemented by field inspection data obtained during August 1944.

Projection and Grids ruled by (III) H.W.B. (Washington Office) date: Jan. 8, 1945

" " " checked by: Unknown date: Unknown

Control plotted by: H. P. Eichert date: Jan. 10, 1945

Control checked by: M. G. Misulia, date: Jan. 10, 1945

Radial Plot by: W. E. Schmidt & L. C. Lende date: Jan. 1945

Detailed by: A. L. Goncharsky (Shoreline - rough draft) date: Feb. 20 to Mar. 8, 1945

Reviewed in compilation office by: W. E. Schmidt date: March 13, 1945

Elevations on Field Edit Sheet checked by: date:

STATISTICS (III)
Northeastern Portion

Land Area (Sq. Statute Miles): 2

Shoreline (More than 200 meters to opposite shore): 17.5 statute miles

Shoreline (Less than 200 meters to opposite shore): None.

Number of Recoverable Topographic Stations established: 12*

Number of Temporary Hydrographic Stations located by radial plot: 52

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: * 8 by radial plot, 4 by ground-survey methods.

STATISTICS (III)

North western, Western + Southern Portlands

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

Shoreline (More than 200 meters to opposite shore): $24\frac{1}{2}$ statute miles

Shoreline (Less than 200 meters to opposite shore): $1\frac{1}{2}$ measured along
Approximate center line

Number of Recoverable Topographic Stations established: 12, one of which is
a Tidal Bench Mark.

Number of Temporary Hydrographic Stations located by radial plot: 97

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 REPORT

SURVEY NO. T-8570

COAST OF MAINE

SWANS ISLAND AND VICINITY

PROJECT NO. CS-272

1. DESCRIPTION OF THE AREA:

According to Instructions dated August 10, 1944, ^{Filed in Div. of Photogrammetry Office Files.} Map Manuscript, Survey No. T-8570 is a shoreline survey and includes the entire area of Swans Island and numerous smaller islands in the vicinity.

Immediately adjacent to the Mean High-Water Line, the terrain is, in general, very rocky. The foreshore area is commonly rock ledge with some stretches of sand, gravel, mud, and boulders in the coves.

The interior is hilly and mostly tree covered with the elevation rising from sea level to a maximum of 240 feet.

2. COMPLETENESS OF FIELD INSPECTION:

The identification of the horizontal control, Mean High-Water Line, foreshore and offshore features are complete except for offlying shoal and sunken reef areas not discernible on the photographs.

3. INTERPRETATION OF THE PHOTOGRAPHS:

Sufficient notes have been made on the field photographs to enable the Compilation Office to augment the field interpretation by analogy where necessary.

4. HORIZONTAL CONTROL:

Five previously established horizontal control stations were recovered in good condition and three of these were accurately identified by substitute station. One station, BURNT COAT, 1875, was searched for but not found. Plotted on map manuscript by Reviewer. The station is not listed as lost.

Four new Theodolite Stations were established by the Field Unit operating in 1944. All of these Theodolite Stations are identified by Substitute Stations.

Form No. 526, Recovery Note, has been submitted to the Baltimore Photogrammetric Office for each of the six previously established horizontal control stations.

Form No. 524, has been submitted for each of the four Theodolite Stations.

filed in Div. of Photogrammetry - General Files.

5. VERTICAL CONTROL:

Tidal Bench Mark 4 (1911) is the only vertical control station recovered within the area of this survey. Three other Tidal Bench Marks, all in the vicinity of the town of Swans Island were searched for but not found.

Form No. 685, ^{Filed in Div. of Geodesy.} Report of Condition of Bench Mark, has been submitted for each of the four Tidal Bench Marks.

6. DRAINAGE:

Drainage is not identified on the field photographs.

7. MEAN HIGH-WATER LINE:

All of the Mean High-Water Line was inspected from a dinghy kept close to shore or by traversing on foot. Where the Mean High-Water Line could not be directly identified on the field photographs, reference measurements were taken or the distance estimated from some well defined point.

Alongshore rocks, offshore rocks, and islets above the plane of Mean High-Water, revealed by photography, have been identified on the field photographs with the elevation above the plane of Mean High-Water noted.

Offshore rocks and reef areas, revealed by photography, which are covered at Mean High-Water have been identified on the field photographs with the amount to which they cover or uncover at Mean Low-Water noted.

8. MEAN LOW-WATER LINE:

The Mean Low-Water Line was inspected at or near Mean Low-Water whenever practicable.

The position of all of the Mean Low-Water Line identified by the Field Unit operating in 1944 has been indicated approximately on the field photographs with a dotted green ink line. This includes the islands north of Swans Island and the northeastern shore of Swans Island from Buckle Harbor to Red Point.

The position of the remainder of the Mean Low-Water Line has been identified in its true position by the 1945 Field Unit with the exception of Seal Cove, which has been identified approximately. The true position of the Mean Low-Water Line is indicated by a dot and dash green ink line on the field photographs.

9. WHARVES AND SHORELINE STRUCTURES:

All piers, cribbings, and other shoreline structures within the area of this survey have been identified on the field photographs.

10. DETAILS OFFSHORE FROM THE MEAN HIGH-WATER LINE:

Details outside the foreshore area revealed by photography include several rocks and rock ledge areas that uncover at Mean Low-Water or bare at Mean High-Water, small rocky islets, sand, gravel, mud, and boulder areas.

The character of the foreshore area has been indicated on the field photographs. The extent to which several prominent rocks and rock ledge areas uncover at Mean Low-Water, bare at Mean High-Water, or uncover at the time of field inspection with time and date, has been noted on the field photographs. The height of each of the small islets above Mean High-Water has also been noted.

11. LANDMARKS AND AIDS TO NAVIGATION:

Three previously charted Non-Floating Aids to Navigation have been recovered and identified by the Field Unit. One of these, Burnt Coat Harbor Lighthouse, is also a Landmark and was located by triangulation in 1875. One other previously charted Landmark, Swan Island Church Spire, was also recovered and identified on the field photographs. This station was located by triangulation in 1908.

No new Landmarks or Non-Floating Aids to Navigation are recommended.

12. HYDROGRAPHIC CONTROL:

20 Recoverable Photo (Topographic) Stations
149 Temporary Photo (Topographic) Stations

Descriptions have been furnished for all stations.

Form No. 524, has been submitted to the Baltimore Photogrammetric Office for each of the Recoverable Photo (Topographic) Stations.
Filed in Division of Photogrammetry - General Files.

14. ROAD CLASSIFICATION:

In accordance with the Army War College Circular, dated January 12, 1942, "Classification of Roads".

18. GEOGRAPHIC NAMES:

No investigation. *814*

DESCRIPTIVE REPORT
NORTHEASTERN PORTION OF MAP DRAWING, SURVEY No. T-8570
COAST OF MAINE
VICINITY OF SWANS ISLAND

This Map Drawing covers an area in the approaches to Blue Hill Bay, Coast of Maine.

The compiled area of the Map Drawing contains approximately one-half the shoreline of Swans Island and adjacent offshore islands, islets, and reefs.

The compilation is in accordance with the instructions pertaining to Sub-Project No. CS-272-E. The detail is in accordance with the furnished field data unless otherwise noted. *Filed in Div. of Photogrammetry- Office Files*

26 CONTROL:

Fourteen horizontal ground control stations. They are as follows:

| <u>Name of Station</u> | <u>Type of Station</u> |
|---|------------------------|
| HAT ISLAND 1907, r. 1944 | Triangulation |
| BURNT COAT L.H. 1875, r. 1944 | Intersection |
| HARBOR ISLAND 1875, r. 1944 | Triangulation |
| TOWNSEND 1875, r. 1944 | Triangulation |
| SWAN ISLAND CHURCH SPIRE, 1908, r. 1944 | Intersection |
| (a) PLACENTIA ISLAND 1908, r. 1944 | Triangulation |
| (a) EAST SISTER ISLAND 1908, r. 1944 | Triangulation |
| (a) EGG ROCK BEACON 1907, r. 1944 | Intersection |
| Head 1944 | Topographic |
| Irish 1944 | Topographic |
| Round 1944 | Topographic |
| Been 1944 | Topographic |
| (a) Bush 1944 | Topographic |
| (a) Fla 1944 | Topographic |

(a) Station falls just outside detail limits of the map Drawing. All others are contained within the detail limits.

See Review Report for additional station.

27 RADIAL PLOT:

Satisfactory results were obtained from the radial plot which was laid in accordance with the approved radial method. Celluloid templets were used.

27 RADIAL PLOT: (Continued)

The facts concerning the radial plot for the area of the Map Drawing have been fully brought out in the Radial Plot Report for the areas of Surveys Nos. T-8554 to T-8556, inclusive, T-8568 to T-8573, inclusive, and T-8586, attached to the Descriptive Report for Map Drawing, Survey No. T-8572. Filed in Div of Photogrammetry- General Files.

28 DETAILING:

The field data, photography, horizontal ground control, and the number of picture control points (located by the radial plot) were generally adequate.

30 MEAN HIGH-WATER LINE:

Shown with a full heavy-weight black acid ink line as identified by the Field Unit.

The dashed heavy-weight black acid ink line is the unidentified Mean High-Water Line of a small offlying islet and a few small detached islets in foreshore area. The detail is in accordance with Field Office interpretation of the photographs. Position is approximate. Investigations have been recommended during hydrography.

31 LOW-WATER LINE:

Only an approximate position of the Mean Low-Water Line was identified by the Field Unit. It has been shown with a dotted black acid ink line. In general, it is believed to be very close to the true position.

31-A SHOAL LINES:

Shown with a light-weight dashed black acid ink line accompanied by the note "Shoal". The detail is in accordance with the Field Office interpretation of the photographs.

31-B REEF LINES: *See Review Report - Item 32*

Shown with a light-weight dashed black acid ink line accompanied by the note "Reef". The dashes are shorter than those used for the shoal line. The detail is in accordance with the Field Office interpretation of the photographs.

31-C FORESHORE AREAS:

The foreshore areas shown consist of rock ledge, rocks, boulders, and sand and gravel beaches.

The extents to which detached rocks bare at Mean High-Water or rocks ^{awash} uncover at Mean Low-Water have been shown on the Map Drawing by notes, which are in accordance with the field data and the Hydrographic Manual.

Changed to agree with Photogrammetry Instructions No 3, 1946. See Review Report.

32 DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE:

The offshore details shown consist of rock ledges, rocks, piling areas, and several rocky islets.

The extents to which these details bare at Mean High-Water or uncover at Mean Low-Water have been shown by notes which are in accordance with the Hydrographic Manual whenever such information was obtained by the Field Unit.

33 WHARVES AND SHORELINE STRUCTURES:

Two piers and two cribbings have been shown. They are situated on the eastern shore of Mackerel Cove.

34 LANDMARKS, FIXED AIDS TO NAVIGATION, AND AERONAUTICAL AIDS:

Compiled Portion of Map Drawing

CHURCH SPIRE - Swans Island, Charted Landmark -
Located by triangulation in 1908.

BEACON - Orono Point - Charted fixed aid to navigation -
Position redetermined by radial plot - In disagreement
with the charted position - Form No. 567 has been sub-
mitted.

Chart letter 215 (1945)

Additional fixed aids to navigation reported - None

Aeronautical aids reported - None

New landmarks recommended - None

Uncompiled Portion of Map Drawing

Compiled in April, 1946.

BURNT COAT L.H. - Hockamock Head - Charted Landmark -
Located by triangulation in 1875 - Shown on Map Drawing.

HARBOR ISLAND LEDGE BEACON - Red - Charted fixed aid to
navigation - Just northwest of Harbor Island - Not shown
on Map Drawing as of the date of this report.

Compilation Report for this portion is part of this Report.

35 HYDROGRAPHIC CONTROL:

Twelve Recoverable Topographic Stations --
Four located by ground-survey methods - Eight
by radial plot - Form No. 524 has been submitted.
Filed in Div. of Photogrammetry - General Files.

Fifty-two Temporary Hydrographic Stations --
Located by radial plot.

A descriptive list of all the hydrographic control stations has been compiled and attached to this report. Two additional copies have been furnished for use of the Hydrographic Parties.

37 GEOGRAPHIC NAMES Approved list filed in Div. of Charts - Geographic Names Section.

As instructed, no geographic names investigation was made by the Field Unit.

The names shown were obtained from Nautical Chart No. 308. A list of the names is attached to this report.

37-A CABLE CROSSING AREAS:

The submerged cable crossing area shown has been taken from Nautical Chart No. 308. Deleted - See Review Report.

38 JUNCTIONS:

Junction of details with T-8569 to the north
is in agreement.

The junctions with T-8554 to the southwest, T-8555 to the west, T-8556 to the west, T-8572 to the east, and T-8571 to the southeast pass through all water areas.

The details along the uncompiled portion of the junction with T-8571 to the south will be considered when those areas are compiled.

Checked during Review.

39 POSITION ACCURACY OF DETAILS:

All important details are believed to be within 0.5 mm. of their true position.

40 RECOMMENDATIONS FOR FUTURE SURVEYS:

The compiled area of the Map Drawing is believed to be complete with respect to all details needed for charting, except for the features mentioned under Side Heading No. 45 and for those recommended for further investigation during hydrography.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

United States Geological Survey Quadrangle, Swan Island, Maine (15' series), scale 1:62,500, edition of 1904, reprinted 1943, with corrections.

Two piers and two cribbings do not appear on the quadrangle. They are located on the eastern shore of Mackerel Cove. There are no other piers within the area of the Map Drawing.

No trails appear on the quadrangle. Several have been shown on the Map Drawing.

The Mean High-Water Line shown on the Map Drawing is more irregular.

Positions and classifications of the roads located at the head of Toothacher Cove are in disagreement. Double dashed lines appear on the quadrangle, double full lines on the Map Drawing.

The geographic name Swan Island (quadrangle) is in disagreement.

Position of road located at latitude $44^{\circ} 10'$ and longitude $68^{\circ} 26'$ is in disagreement. Positions and shapes of the buildings located on the north side of that road are in disagreement.

There are four islets shown on the Map Drawing in the immediate vicinity of The Triangles. Only one appears on the quadrangle.

A detached rocky area and two islets located at latitude $44^{\circ} 10' 32''$ and longitude $68^{\circ} 26' 45''$ do not appear on the quadrangle.

An islet located at latitude $44^{\circ} 10.25'$ and longitude $68^{\circ} 26.6'$ does not appear on the quadrangle.

A detached rocky area just northwest of the northwestern shore of Crono Island does not appear on the quadrangle.

Road located at latitude $44^{\circ} 10.26'$ and longitude $68^{\circ} 25.55'$ does not appear on the quadrangle.

Position of road, positions of buildings, and the number of buildings located at latitude $44^{\circ} 10.35'$ and longitude $68^{\circ} 25.4'$ are in disagreement.

Roads north and west of Atlantic (village) are in disagreement. Positions and number of buildings situated along those roads are also in disagreement.

Road located at latitude $44^{\circ} 11.2'$ and longitude $68^{\circ} 24.95'$ does not appear on the quadrangle.

Stagnant pond located at latitude $44^{\circ} 11.22'$ and longitude $68^{\circ} 25.15'$ does not appear on the quadrangle.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES: (Continued)

A road located at latitude $44^{\circ} 10.35'$ and longitude $68^{\circ} 24.32'$ does not appear on the quadrangle.

A road located at latitude $44^{\circ} 10.18'$ and longitude $68^{\circ} 24.12'$ does not appear on the quadrangle.

Drainage located at latitude $44^{\circ} 09.95'$ and longitude $68^{\circ} 26.1'$ does not appear on the quadrangle. Detailed in accordance with the Field Office interpretation of the photographs.

Road located at latitude $44^{\circ} 09.95'$ and longitude $68^{\circ} 26.09'$ does not appear on the quadrangle.

The direction of the drainage located at latitude $44^{\circ} 10.08'$ and longitude $68^{\circ} 26.05'$ is in disagreement.

Road located at latitude $44^{\circ} 10.9'$ and longitude $68^{\circ} 24.85'$ does not appear on the quadrangle.

Drainage appearing on the quadrangle located at latitude $44^{\circ} 10.08'$ and longitude $68^{\circ} 23.85'$ has not been shown on the Map Drawing.

Drainage located at latitude $44^{\circ} 10.82'$ and longitude $68^{\circ} 24.75'$ does not appear on the quadrangle. Detailed in accordance with the Field Office interpretation of the photographs.

45 COMPARISON WITH NAUTICAL CHARTS:

Chart No. 308, published at Washington, D. C., December 1942, scale 1:40,000, corrected to April 12, 1944, North American 1927 Datum.

Nine charted rocks awash appear in the area of Long Ledge. Rock ledge only has been shown in the area of the Map Drawing.

Rock ledge located at approximately latitude $44^{\circ} 11.5'$ and longitude $68^{\circ} 28.95'$ has not been charted.

Rock ledge located at approximately latitude $44^{\circ} 11.3'$ and longitude $68^{\circ} 28.25'$ has not been charted.

Rock ledge located at approximately latitude $44^{\circ} 11.48'$ and longitude $68^{\circ} 28.04'$ has not been charted.

Three charted rocks awash just north of Orono Island have not been shown on the Map Drawing. Rock ledge has been shown.

Charted rock awash just southeast of Phinney Island has not been shown on the Map Drawing. Rock ledge has been shown.

45 COMPARISON WITH NAUTICAL CHARTS: (Continued)

Two detached bare rock areas and a rock awash shown on the Map Drawing just southwest of Phinney Island have not been charted.

An offshore bare rock just southeast of Orono Island has not been charted.

Rock ledge located at approximately latitude $44^{\circ} 11.05'$ and longitude $68^{\circ} 27.2'$ has not been charted.

Four charted rocks awash north of The Triangles have not been shown on the Map Drawing. Rock ledge has been shown.

Four islets have been shown on the Map Drawing in the immediate vicinity of The Triangles. Only three have been charted.

A charted offshore rock awash located at approximate latitude $44^{\circ} 11.1'$ and longitude $68^{\circ} 25.5'$ has not been shown on the Map Drawing.

The shape of the charted northeast portion of Orono Island is in disagreement.

The shape of the charted southern portion of Phinney Island is in disagreement.

A rock awash shown on the Map Drawing at approximate latitude $44^{\circ} 11.38'$ and longitude $68^{\circ} 25.6'$ has not been charted.

An offshore boulder located at approximate latitude $44^{\circ} 11.08'$ and longitude $68^{\circ} 24.78'$ has not been charted.

Charted rock awash located at approximate latitude $44^{\circ} 11.35'$ and longitude $68^{\circ} 25.25'$ has not been shown on the Map Drawing.

Charted rock awash situated on Staple Ledge has not been shown on the Map Drawing. Approximate position of reef has been shown.

Rock awash located at approximate latitude $44^{\circ} 10.66'$ and longitude $68^{\circ} 24.55'$ has not been charted.

Two detached rocks awash located at approximate latitude $44^{\circ} 10.25'$ and longitude $68^{\circ} 23.88'$ have not been charted.

Offshore boulder awash, located at approximate latitude $44^{\circ} 10.18'$ and longitude $68^{\circ} 23.74'$ has been shown on the Map Drawing. A detached bare rock has been charted.

Seven rocks awash just offshore from the eastern shore of Swans Island between latitude $44^{\circ} 09.5'$ and latitude $44^{\circ} 09.8'$ have not been charted.

45 COMPARISON WITH NAUTICAL CHARTS: (Continued)

Offshore rock ledge located at approximate latitude $44^{\circ} 09.2'$ and longitude $68^{\circ} 23.63'$ has not been charted.

Offshore rock ledge located at approximate latitude $44^{\circ} 08.55'$ and longitude $68^{\circ} 23.56'$ has not been charted.

Offshore rock ledge located at approximate latitude $44^{\circ} 08.84'$ and longitude $68^{\circ} 23.7'$ has not been charted.

Offshore rock ledge located at approximate latitude $44^{\circ} 08.9'$ and longitude $68^{\circ} 23.72'$ has not been charted.

Charted rock awash located at approximate latitude $44^{\circ} 08.45'$ and longitude $68^{\circ} 23.62'$ has not been shown on the Map Drawing.

Two detached bare rocks located in a small cove just south of Garden Islands have not been charted.

Of two small islets located at approximate latitude $44^{\circ} 10.61'$ and longitude $68^{\circ} 26.75'$, only the most easterly one has been charted.

Rock awash located at approximate latitude $44^{\circ} 10.63'$ and longitude $68^{\circ} 26.8'$ has not been charted.

Rock awash located at approximate latitude $44^{\circ} 10.5'$ and longitude $68^{\circ} 26.86'$ has not been charted.

Offshore rock awash located at approximate latitude $44^{\circ} 10.01'$ and longitude $68^{\circ} 26.78'$ has not been charted.

Offshore rock awash and ledge area located at approximate latitude $44^{\circ} 10.16'$ and longitude $68^{\circ} 26.74'$ have not been charted.

Charted bare rock located at approximate ^{latitude} $44^{\circ} 10.25'$ and longitude $68^{\circ} 26.54'$ has not been shown on the Map Drawing. An offshore rock ledge area has been shown.

Charted bare rock located at approximate latitude $44^{\circ} 10.35'$ and longitude $68^{\circ} 26.5'$ has not been shown on the Map Drawing. Rock ledge has been shown.

Of the five charted rocks awash located at approximate latitude $44^{\circ} 10.52'$ and longitude $68^{\circ} 26.0'$, only the most easterly one and the most southwesterly one have been shown on the Map Drawing. Rock ledge has also been shown.

Charted bare rock located at approximate latitude $44^{\circ} 10.85'$ and longitude $68^{\circ} 26.9'$ has not been shown on the Map Drawing. Rock ledge has been shown.

45 COMPARISON WITH NAUTICAL CHARTS: (Continued)

Charted rock awash located on the eastern shore of Mackerel Cove just southeast of Rowe Head has not been shown on the Map Drawing.

Detached bare rock areas located on the eastern shore of Mackerel Cove between North Point and Rowe Head have not been charted.

Two charted wharves located at approximate latitude $44^{\circ} 10.4'$ and longitude $68^{\circ} 25.4'$ have not been shown on the Map Drawing.

Two cribbings and two piers have been shown on the Map Drawing located on the eastern shore of Mackerel Cove. They have not been charted.

The Mean High-Water Line shown on the Map Drawing is more irregular.

Several trails have been shown on the Map Drawing. None have been charted.

Additional roads have been shown on the Map Drawing. Several roads have been shown with a double dash line. All charted roads are shown with a double full line.

No buildings appear on the chart. Numerous buildings have been shown on the Map Drawing.

Rock bluffs have been shown on the Map Drawing along the eastern shore of Swans Island just northwest of East Point. No rocky bluffs appear on the chart.

A small stagnant pond located at approximate latitude $44^{\circ} 11.22'$ and longitude $68^{\circ} 25.18'$ has not been charted.

The direction of drainage appearing on the chart at approximate latitude $44^{\circ} 10.1'$ and longitude $68^{\circ} 26.0'$ is in disagreement with the direction of the drainage shown on the Map Drawing.

Drainage appearing on the chart at approximate latitude $44^{\circ} 10.07'$ and longitude $68^{\circ} 23.85'$ has not been shown on the Map Drawing.

Charted position of Black Beacon just north of Orono Island is in disagreement with the radially plotted position shown on the Map Drawing. Forms 567 and 524 have been submitted.

The extents of the rock ledge areas shown on the Map Drawing are, in general, greater than those charted.

Charted position of landmark, CHURCH SPIRE, located on Swans Island is incorrect. Located by triangulation in 1908.

45 COMPARISON WITH NAUTICAL CHARTS: (Continued)

~~Charted positions of all detail common to the Map Drawing frequently differ appreciably/^{both} to latitude and longitude.~~

Two offshore piling areas shown on the Map Drawing located at approximate latitude $44^{\circ} 10.2'$ and longitude $68^{\circ} 26.7'$ have not been charted.

Chart No. 227, published at Washington, D. C., February 1944, Scale 1:20,000, corrected to April 13, 1944, North American 1927 Datum.

Charted position of Black Beacon just north of Orono Island is in disagreement with the radially plotted position shown on the Map Drawing. Forms 567 and 524 have been submitted.

The shape of the charted islet just north of Orono Island is in disagreement with the shape of that islet shown on the map Drawing.

The shape of the charted northeast portion of Orono Island is in disagreement with the shape of that portion of the island shown on the Map Drawing.

The shape of the charted southern portion of Phinney Island is in disagreement with the shape of that portion of the island shown on the Map Drawing.

Four islets have been shown on the Map Drawing in the area of The Triangles. Three are charted.

A charted detached bare rock located at approximate latitude $44^{\circ} 11.22'$ and longitude $68^{\circ} 27.12'$ has not been shown on the Map Drawing.

Only two of the six charted detached rocks located just south of the southern shore of Phinney Island have been shown on the Map Drawing.

The charted detached bare rock located at approximate latitude $44^{\circ} 11.35'$ and longitude $68^{\circ} 27.10'$ has not been shown on the Map Drawing.

The charted rock awash located between Round Island and Phinney Island has not been shown on the Map Drawing. Rock ledge has been shown.

The charted rock awash located southeast of Round Island and northeast of Swans Island has not been shown on the Map Drawing. Rock ledge has been shown.

A rock awash shown on the Map Drawing at approximate latitude $44^{\circ} 11.29'$ and longitude $68^{\circ} 27.24'$ has not been charted.

Charted rocks awash located just north of Long Ledge have not been shown on the Map Drawing.

45 COMPARISON WITH NAUTICAL CHARTS: (Continued)

Charted rocks awash just southwest of Long Ledge have not been shown on the Map Drawing.

Charted position of Long Ledge is in disagreement.

Rock ledge awash at Mean Low-Water just northwest of Long Ledge has not been charted.

Rock ledge awash at Mean Low-Water located at approximate latitude $44^{\circ} 11.48'$ and longitude $68^{\circ} 28.03'$ has not been charted.

Rock ledge located at approximate latitude $44^{\circ} 11.3'$ and longitude $68^{\circ} 28.25'$ has not been charted.

Three charted rocks awash just northeast of Orono Island have not been shown on the Map Drawing. Rock ledge has been shown.

Charted detached rocky area located at approximate latitude $44^{\circ} 10.75'$ and longitude $68^{\circ} 27'$ is now attached to the main Mean High-Water Line of Swans Island.

Four charted rocks awash located just northeast of The Triangles have not been shown on the Map Drawing. Rock ledge has been shown.

Rock ledge located at approximate latitude $44^{\circ} 11.14'$ and longitude $68^{\circ} 27.05'$ has not been charted.

Rock ledge located at approximate latitude $44^{\circ} 11.05'$ and longitude $68^{\circ} 27.2'$ has not been charted.

Rock ledge located at approximate latitude $44^{\circ} 11.3'$ and longitude $68^{\circ} 28.25'$ has not been charted.

A few trails have been shown on the Map Drawing. None appear on the chart.

Rock ledge located at approximate latitude $44^{\circ} 11.5'$ and longitude $68^{\circ} 28.95'$ has not been charted.

Offshore bare rock just southeast of Orono Island has not been charted.

The extents of the rock ledge areas shown on the Map Drawing are, in general, greater than those charted.

The Mean High-Water Line shown on the Map Drawing is more irregular.

Charted positions of common detail frequently differ appreciably with the positions on the Map Drawing both as to latitude and longitude.

All charted features noted not shown under this Side Heading were neither field identified nor visible on any of the photographs.

Respectfully Submitted:
March 15, 1945

Walter E. Schmidt
Walter E. Schmidt,
Photogrammetric Engineer

Compilation Supervised and
Reviewed By:

Walter E. Schmidt
Walter E. Schmidt,
Photogrammetric Engineer

Approved and Forwarded:
March 23, 1945

Fred. L. Peacock
Fred. L. Peacock
Chief of Party, C. & G. Survey
Officer-in-Charge,
Baltimore Photogrammetric Office

DESCRIPTIVE REPORT
NORTHWESTERN, WESTERN, AND SOUTHERN PORTIONS OF
MAP MANUSCRIPT, SURVEY NO. T-8570
COAST OF MAINE
SWANS ISLAND AND VICINITY
PROJECT NO. CS-272

26. CONTROL:

HARBOR ISLAND, 1875, was identified by a substitute station. The position of this substitute station could not be computed in the Baltimore Photogrammetric Office because no initial was given.

HAT ISLAND, 1907, was also identified by a substitute station and it could not be held to during the running of the Radial Plot.

For further data pertaining to the horizontal control see Descriptive Report for the Northeastern Portion of Map Manuscript, Survey No. T-8570, submitted to the Washington Office on March 23, 1945.
Part of this Report.

27. RADIAL PLOT:

For facts relative to the Radial Plot, see Descriptive Report for the Northeastern Portion of Map Manuscript, Survey No. T-8570, submitted to the Washington Office on March 23, 1945.

28. DETAILING:

The compilation is in accordance with the written instructions pertaining to Project No. CS-272 E. Filed in *Div. of Photogrammetry - Office Files.*

The photography, field data, and horizontal control available for the compilation were adequate and no difficulties were encountered.

30. MEAN HIGH-WATER LINE:

The mean High-Water Line has been delineated in accordance with the field data and has been shown with a solid heavy weight black acid ink line.

31. LOW-WATER

The position of the Low-Water Line has been delineated according to the field data. The approximate position of the Mean Low-Water Line

has been shown with a dotted black acid ink line. The position of the Mean Low-Water Line accurately identified by the Field Unit has been shown with an alternate dot and dash black acid ink line. All of the Low-Water Line has been accurately identified by the Field Unit except in the vicinity of Seal Cove where it has been approximately identified, and along several short stretches which have not been identified at all.

See Review Report - Item 31

31. A SHOAL LINES:

The approximate position of the outer limits of shoal areas bordering the Mean High-Water Line has been delineated in accordance with the office interpretation of the photographs and is shown with a light weight long dashed black acid ink line, accompanied by the note "Shoal".

31 B. REEF LINES: *See Review Report - Item 32*

The approximate outline of reef areas was delineated in accordance with the office interpretation of the photographs and is for the advance information of the Hydrographic Parties only. The outline is shown with a short dashed black acid ink line accompanied by the note "Reef".

31 C. FORESHORE AREAS:

The foreshore areas consist of rock ledge, boulders, rocks, (including detached rocks), and sand and gravel beaches. Such features have been delineated in accordance with the field data. The extent to which detached rocks and high spots of ledge within the foreshore area bare at Mean High-Water or uncover at Mean Low-Water have been shown on the Map Manuscript by notes which are in accordance with the field data.

32. DETAILS OFFSHORE FROM THE MEAN HIGH-WATER LINE:

The offshore features include several rocks awash, small rock islets, and small reefs. Such features have been delineated in accordance with the field data.

The extent to which the offshore features bare at Mean High-Water or uncover or cover at Mean Low-Water have been shown on the Map Manuscript by notes in accordance with the field data.

33. WHARVES AND SHORELINE STRUCTURES:

All wharves, piers, cribbings, pilings, and other shoreline structures identified on the field photographs have been delineated on the Map Manuscript accompanied by pertinent notes.

34. LANDMARKS AND AIDS TO NAVIGATION:

One previously charted Non-Floating Aid to Navigation falls within this portion of Map Manuscript, Survey No. T-8570. Form No. 567 is being submitted for this Aid to Navigation, Harbor Island Ledge Beacon.

Not received. New form prepared by Reviewer.

34. LANDMARKS AND AIDS TO NAVIGATION:(Continued)

For further information pertaining to Landmarks and Aids to Navigation see Descriptive Report for the Northeastern Portion of Map Manuscript, Survey No. T-8570.

35. HYDROGRAPHIC CONTROL:

12 Recoverable Photo(Topographic) Stations, including one Tidal Bench Mark.

97 Temporary Hydrographic Stations - all located by radial plot.

A descriptive list of all of the hydrographic control stations has been compiled and is attached to this report. Two additional copies have been furnished for use of the hydrographic parties.

Form No. 524 is being submitted for each of the twelve Recoverable Photo(Topographic) Stations appearing on the northwestern, western, and southern portions of this Map Manuscript. Filed in Div. of Photogrammetry-General Files.

38. GEOGRAPHIC NAMES:

As instructed, no geographic names investigation was made by the Field Unit. The geographic names appearing on the Map Manuscript have been taken from Nautical Chart No. 308. A list of names is attached to this report.

39. JUNCTIONS:

The junction with Map Manuscript, Survey No. T-8571 to the south has been made and is in agreement.

The junctions with Map Manuscript, Survey No. T-8554 to the southwest, Survey No. T-8555 to the west, and Survey No. T-8556 to the northwest are all water areas.

For further information concerning junctions see Descriptive Report for the Northeastern Portion of Map Manuscript, Survey No. T-8570.

40. HORIZONTAL ACCURACY:

The position of all detail of importance is believed to be within 0.5mm.

41. RECOMMENDATIONS FOR FUTURE SURVEYS:

The northwestern, western, and southern portions of Map Manuscript, Survey No. T-8570 is complete with respect to all known details necessary for charting except those not definitely revealed by photography, which should be investigated during the next hydrographic survey. These features have been noted in "Notes to Hydrographic Parties" attached to this report, and indicated on a section of Nautical Chart No. 308 also attached to this report.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

United States Geological Survey, Swan Island, Maine (15' series)
Quadrangle, scale 1:62,500 edition of 1904 reprinted 1943.

United States Geological Survey, Deer Isle, Maine (15' series)
Quadrangle, scale 1:62,500 edition of 1904 reprinted 1940.

In general, the planimetry common the Map Manuscript and to the
Quadrangles are in good agreement.

Minor differences are mentioned in the "Notes to Reviewer" attached
to this report.

45. COMPARISON WITH NAUTICAL CHARTS:

United States Coast and Geodetic Survey Chart No. 308, scale 1:40,000
published at Washington, D. C. December 1942, corrected to April 20, 1946.

In general, planimetry common to the Map Manuscript and to the Nautical
Chart are in good agreement.

Minor differences in land features are mentioned in "Notes to Reviewer"
attached to this report and differences in offshore features for which data
were lacking have been mentioned in "Notes to Hydrographic Parties" also
attached to this report.

Respectfully submitted:
April 30, 1946

Ruth E. Rudolph

Ruth E. Rudolph
Photogrammetric Aid

Map Manuscript
Reviewed by:

Raymond Glaser

Raymond Glaser
Engineering Draftsman

Descriptive Report
Reviewed by:

Harry R. Rudolph

Harry R. Rudolph
Photogrammetric Engineer

Compilation of Map Manuscript
Supervised by:

Harry R. Rudolph

Harry R. Rudolph
Photogrammetric Engineer

Approved and Forwarded:
May 8, 1946

Fred. L. Peacock

Fred. L. Peacock
Chief of Party, C. & G. Survey
Officer in Charge
Baltimore Photogrammetric Office

1944
 IDENTIFICATION REPORT
 HORIZONTAL CONTROL
 Area of
 MAP DRAWING, SURVEY No. R-8570

| <u>Name of Station</u> | <u>Type of Station</u> | <u>U.S.G.S. Quadrangle</u> | <u>Recovery Data</u> | <u>Pricking Data</u> |
|---|------------------------|----------------------------|----------------------|----------------------|
| (a) HAT ISLAND, 1907 | Triangulation | Deer Isle | Recovered | Positive |
| BURNT COAT L.H., 1875 | Intersection | Swan Island | Recovered | Positive |
| (c) HARBOR ISLAND, 1875 | Triangulation | Swan Island | Recovered | Not Pricked* |
| * Nothing to use as an initial--Not listed as an essential station. | | | | |
| (A) TOWNSEND, 1875 | Triangulation | Swan Island | Recovered | Positive |
| SWAN ISLAND CHURCH SPIRE, 1908 | Intersection | Swan Island | Recovered | Positive |
| (a)(b) PLACENTIA ISLAND, 1908 | Triangulation | Swan Island | Recovered | Positive |
| (a)(b) EAST SISTER ISLAND, 1908 | Triangulation | Swan Island | Recovered | Positive |
| (b) EGG ROCK BEACON, 1907 | Intersection | Deer Isle | Recovered | Positive |
| (a) Head, 1944 | Topographic | Swan Island | New Station | Positive |
| (a) Irish, 1944 | Topographic | Swan Island | New Station | Positive |
| (a) Round, 1944 | Topographic | Swan Island | New Station | Positive |
| (a) Been, 1944 | Topographic | Swan Island | New Station | Positive |
| (b) Bush, 1944 | Topographic | Deer Isle | New Station | Positive |
| (b) Fla, 1944 | Topographic | Swan Island | New Station | Positive |

Notes by Field Compilation Office

- (a) Identified by well defined picture point connected to station by short traverses. The position of the substitute point has been shown on the Map Drawing with a very small black acid ink circle.
- (b) Station lies just outside the detail limits of the Map Drawing. All others are contained within the detail limits.
- (c) Not used to control the radial plot.

GEOGRAPHIC NAMES
Northeastern Portion
Undisputed

- ✓ • Atlantic (Village)
- ✓ • Crow Island
- ✓ • East Point
- ✓ • Fir Point
- ✓ • Garden Islands
- ✓ • Joyce Beach
- ✓ • Long Ledge
- ✓ • Mackerel Cove
- ✓ • North Point
- ✓ • Orono Island
- ✓ • Phinney Island
- ✓ • Phinney Point
- ✓ • Ram Island
- ✓ • Red Point
- ✓ • Round Island
- ✓ • ~~Roye Head~~ • Roderick Head ✓
- ✓ • Staple Ledge
- ✓ • The Triangles
- ✓ • York Narrows

- ✓ • Duck Island

GEOGRAPHIC NAMES
Northeastern Portion
Disputed

Charts Nos. 308 & 1202

U. S. Geological Quadrangle
Swan Island, Maine (15' series)

| | | |
|----------------------|---------------------|------------------|
| ✓ • Swans Island | (U.S.G.N. decision) | Swan Island |
| ✓ • Toothacher Cove. | | Toothachers Cove |

GEOGRAPHIC NAMES

Compiled Area of

Northwestern, Western, and Southern Portions of Map
Manuscript, Survey No. T-8570

(Undisputed)

- ✓ • Gooseberry Island
- ✓ • Gooseberry Island Ledge
- ✓ • Hanus Ledge
- ✓ • Harbor Island
- ✓ • Hat Island
- ✓ • Hat Island Ledge
- ✓ • High Sheriff
- ✓ • Hockamock Head
- ✓ • Irish Point
- ✓ • Jericho Bay
- ✓ • Long Cove
- ✓ • Minturn
- ✓ • Potato Field
- ✓ • Robinson Ledge
- ✓ • Sand Cove
- ✓ • Sandbeach Ledge
- ✓ • Seal Cove
- ✓ • Sheriff Ledge
- ✓ • Stanley Point
- ✓ • The Deer
- ✓ • Toothacher Bay
- ✓ • West Point
- ✓ • Whale Ledge

- ✓ • Back Cove = NE. of Toothacher Cove,
Centering near $44^{\circ}10' / 68^{\circ}27'$
- ✓ • Duck Islands = first S. of Buckle I.
- ✓ • Hen Island = second S. -
- ✓ • Otter Ponds = E. shore Swans I, S. of
East Pt (two)

GEOGRAPHIC NAMES .

Compiled Area of

Northwestern, Western, and Southern Portions of
Map Manuscript, Survey No. T-8570

(Disputed)

Nautical Chart, U.S.C. & G.S.
Nos. 308, 1202, and 227

- ✓ Buckle Harbor
- ✓ Buckle Island
- ✓ Burnt Coat Harbor
 - Swans Island (town)
- ✓ Swans Island Head

U.S. G.S. Quadrangle
Swan Island, Maine

~~Buckles Island Harbor~~
~~Buckles Island~~
~~Burntcoat Harbor~~
~~Swan Island~~
~~Swan Island Head~~

Nautical Chart, U.S.C. & G.S.
Nos. 307 and 308

~~Hawleys Ledge~~

Nautical Chart U.S.C. & G.S.
No. 227

✓ Hawley Ledge

*Names precoded by .
are approved 1/13/48.
L. Heck*

NOTES
For
REVIEWER

COAST OF MAINE
PROJECT No. CS-272
NORTHEASTERN PORTION OF MAP DRAWING, SURVEY No. T-8570

All detail is in accordance with written instructions for Sub-Project No. CS-272-E and the Field Data unless otherwise noted in the Descriptive Report for the Map Drawing.

All detail has been shown with the conventional symbols.

The small single blue ink circles are the positions of well defined picture points determined by the intersection of three or more radials considered very strong.

The small single green ink circles are the positions of well defined picture points determined by the intersection of two radials or the slim angle intersection of three radials.

The large blue ink circles are the positions of the photograph centers determined by the radial plot.

The $2\frac{1}{2}$ millimeter black acid ink circles are the positions of Recoverable Topographic Stations, and the positions of Temporary Hydrographic Stations. Circles accompanied by a name and date ("1944") are the positions of Recoverable Topographic Stations located by ground-survey methods during the 1944 field season. The positions of all other hydrographic control stations were determined by the radial plot.

The very small black acid ink circles are the positions of well defined picture points identified and located by ground-survey methods by the Field Unit to substitute for triangulation stations in controlling the radial plot. They are accompanied by the letters "F.I.P."

The limits of shoal areas and reef areas shown are approximate and have been detailed in accordance with the Field Office interpretation of the photographs.

A new position for Orono Point beacon, situated just north of Orono Island, has been submitted on Form No. 567.

The approximate position of the Mean High-Water line of several detached bare rock areas has been shown with a heavy-weight dashed black acid ink line. Investigations during hydrography have been recommended.

All charted features not shown on the Map Drawing (See Side Heading No. 45 - Descriptive Report for Map Drawing, Survey No. T-8570) have been called to the attention of the Hydrographic Party for investigation.

The positions of the charted details common to those shown on the Map Drawing frequently differ appreciably. See Side Heading No. 45 of the Descriptive Report for Map Drawing, Survey No. T-8570.

Probable drainage has been shown with a long dashed light-weight black acid ink line. Detailed in accordance with the Field office interpretation of the photographs.

The photographs contain no appreciable differential or tilt distortions.

Respectfully Submitted,
March 17, 1945

Walter E. Schmidt
Walter E. Schmidt,
Photogrammetric Engineer

NOTES
FOR
REVIEWER

NORTHWESTERN, WESTERN, & SOUTHERN
PORTIONS OF
MAP MANUSCRIPT, SURVEY NO. T-8570
PROJECT NO. CS-272

All details have been shown with the usual symbols.

The small blue ink circles are the positions of well-defined detail points determined photogrammetrically and are considered very strong. The small green ink circles are the positions of well-defined detail points determined by only two wide angle radials or by three or more very slim angle radials and are considered weak.

The 2½ millimeter black acid ink circles are the positions of the selected Recoverable Photo(Topographic) Stations and the Temporary Photo(Topographic) Stations. Such circles accompanied by a name and date (1945) are the positions of the Recoverable Photo(Topographic) Stations. All other such circles, accompanied by a number only, are the positions of the Temporary Photo (Topographic) Stations. A list of all of the Photo (Topographic) Stations is attached to this report.

The very small black acid ink circles accompanied by the note "Sub.Sta." are the positions of the substitute stations.

The photographs contain no appreciable tilt or differential distortion.

The scale of the photographs and the Map Manuscript were in good agreement.

The approximate outer limits of shoal areas have been delineated according to office interpretation of the photographs and are shown with a long dashed black acid ink line accompanied by the note "Shoal".

The approximate limits of reef areas have been delineated according to office interpretation of the photographs and are shown with a short dashed black acid ink line accompanied by the note "Reef".

The following disagreements between the Map Manuscript and the United States Geological Survey, Swan Island, Maine, and Deer Isle, Maine, Quadrangle Maps were found:

- No ledge, ledge areas or detached rocks appear on the Quadrangles.
- Two islands first cove south of Minturn do not appear on the Quadrangle.
- Two islands in Long Cove do not appear on the Quadrangle.
- Difference in location of road east of Buckle Harbor.

Geographic name Buckles Island is shown as Buckle Island on the Map Manuscript; Buckles Island Harbor as Buckle Harbor; Swan Island Head as Swans Island Head; the town of Swan Island as Swans Island; Burntcoat Harbor as Burnt Coat Harbor.

The geographic names Gooseberry Island Ledge, Hanus Ledge, Hawleys Ledge, Hat Island Ledge, Hockamock Head, Potato Field, Robinson Ledge, Sandbeach Ledge, Sheriff Ledge, The Deer, and Whale Ledge have been shown on the Map Manuscript but do not appear on the Quadrangles.

The following disagreements were found between the Map Manuscript and Nautical Chart No. 308:

Shoreline on the northern shore of Long Cove has been changed somewhat.

Mud areas north of Long Cove, at head of Burnt Coat Harbor, at head of Toothacher Cove, and in Seal Cove appear as ledge on the chart.

The following charted rocks awash have been shown on the Map Manuscript as ledge areas:

- Two rocks in Seal Cove
- Three rocks just off Swans Island Head
- Two rocks at Hat Island Ledge
- One rock at Whale Ledge
- Four rocks at Sandbeach Ledge
- Two rocks in Toothacher Cove
- Two rocks at Sheriff Ledge
- One rock at Gooseberry Island Ledge
- Two rocks in Long Cove

Shown on the Chart and not on the Map Manuscript because no data were available:

- Rock just south of Red Point
- Rock northwest of Potato Field
- Three rocks in northern part of Burnt Coat Harbor
- Rock between Gooseberry Island and Gooseberry Island Ledge
- Cable area across Burnt Coat Harbor
- All floating aids to navigation
- Two rocks awash at Robinson Ledge
- Rock awash just west of Hat Island
- Two rocks awash in Buckle Harbor
- Eight rocks awash in Seal Cove

Shown on the Map Manuscript but not Charted:

- All buildings
- Road on Hockamock Head
- Road north of Potato Field
- Small marsh area between Red Point and Stanley Point
- Marsh area northwest of Irish Point.

Wooden pier at Stanley Point
Wreck, stern bare at Mean High-Water, at Stanley Point.
Ruins of cribbing at Stanley Point and at head of
Long Cove
Wooden pier at head of Long Cove
Quarry partially filled with water on the northern
shore of Long Cove
Several wooden piers and ruins of cribbing on the
northern shore of Long Cove, northeast of Potato
Field
Wooden pier at Minturn
Cribbing and piling on point of land north of Minturn
Fish traps in Sand Cove, northwest of Irish Point,
north of Hat Island, and in Seal Cove.
Rocks on the western side of Irish Point
Several rocks on the western side of Seal Cove.
More ledge south of Buckle Harbor
Several piers on the western shore of Burnt Coat Harbor

Respectfully submitted:
May 1, 1946

Ruth E. Rudolph
Ruth E. Rudolph
Photogrammetric Aid

Approved and Forwarded:
May 8, 1946

Fred. L. Peacock
Fred. L. Peacock
Chief of Party, C&G Survey
Officer-in-Charge
Baltimore Photogrammetric Office

Division of Photogrammetry
Review Report of
Shoreline Map Manuscript T-8570

Subject numbers not used in this report have been adequately covered in other parts of the descriptive report.

26. Control.- A triangulation station, Burnt Coat, 1875, was added to the map manuscript.

The names and dates of recoverable topographic stations were added to the map manuscript. Several of the names were shortened on the Form 524 Cards to a specific descriptive term.

28. Detailing.- The cable crossing area near North Point was removed from the map manuscript since its location was not noted by the field inspector.

Notes and labels were deleted where the symbols clearly indicate the nature of the feature.

31. Low Water and Shoal Lines.- The low water line as shown on the map manuscript is not in accordance with the specifications in Field Memorandum No. 1, 1938. It would be difficult to remove the incorrect symbol without removing part of the ledge or boulder symbol since they coincide. *The low water line was drawn according to a later interpretation "Interpretation of Shoreline Inspection" dated 8/18/44 which in effect amends Field Memo 1, 1938.*
Several shoal areas not compiled have been delineated on the photographs, and added to the map manuscript.

32. Details Offshore from the High Water Line.- Symbols for rocks awash, small islands and their elevations were changed in accordance with Photogrammetry Instructions No. 3, 1946. Areas indicated as reef on the map manuscript are submerged ledges where ever they parallel the mean high water line. Where these areas are detached from the shoreline and do not enclose an area above mean high water line, they are reef areas.

44. Comparison with Existing Topographic Surveys.-

| | | |
|---------|-----------------------------------|------|
| USGS | Swans Island Quadrangle, 1:62,500 | 1945 |
| T-1351 | 1:10,000 | 1874 |
| T-1396 | 1:10,000 | 1875 |
| T-1397a | 1:10,000 | 1875 |

The surveys are in good agreement with the map manuscript with the following exceptions:

The shoreline at Joyce Beach.
The shapes of small islands particularly in
the vicinity of York Narrows.
Rocks awash in Toothacher Cove and Seal Cove
are shown as small islands on the quadrangle.

45. Comparison with Nautical Charts.-

| | | | |
|-----------|------|----------|-----------------|
| Chart No. | 227 | 1:20,000 | 1944 |
| Chart No. | 308 | 1:40,000 | 1942 Corr. 1947 |
| Chart No. | 1202 | 1:80,000 | 1932 Corr. 1946 |

The charts are in good agreement with the map manu-
script with the following exceptions:

The shapes of islands and extent of reefs near
York Narrows.

The extent of ledge areas in Buckle Harbor and
Seal Cove.

The foul area at Hat Island is not shown on the
charts.

An island west of Stanley Point and rocks awash
between East and Red Points are not shown on the
charts.

A rock awash shown on the charts south of Robinsons
Ledge is not shown on the map manuscript.

The map manuscript has been partially applied to the
nautical charts.

Reviewed by:

Reviewed under direction of:

Charles Theurer
C. Theurer
12-16-47

S. V. Griffith
S. V. Griffith
Chief, Review Section

APPROVED:

B. J. Jones 1/48
Technical Assistant to the
Chief, Div. of Photogrammetry

Stuttenberg
Chief, Nautical Chart Br.
Division of Charts

K. T. Adams
Chief, Div. of Photogrammetry

C. R. Green
Chief, Div. of Coastal Surveys

T8570

FORM 685

BENCH MARK 4(1911)
" " 9(1907)
" " 2(1907)
" " 1(1907)

66664-

1945/7/27 BY MARVIN C. JENKINS

TO GEODESY 5/13/46

1"

DESCRIPTIONS OF THE RECOVERABLE TOPOGRAPHIC STATIONS
AND TEMPORARY HYDROGRAPHIC STATIONS SHOWN
ON MAP DRAWING, SURVEY No. T-8570
Northeastern Portion

| | |
|---|-----------|
| Number of Recoverable Topographic Stations..... | 12 |
| Number of Temporary Hydrographic Stations..... | <u>52</u> |
| Total | 64 |

Listed By: A. L. Goncharsky
A. L. Goncharsky,
Engineering Draftsman

Checked By: Walter E. Schmidt
Walter E. Schmidt,
Photogrammetric Engineer

T-9570 51/2

COAST OF MAINE
PROJECT NO. CS-272

DESCRIPTIONS OF TEMPORARY AND RECOVERABLE PHOTO (TOPOGRAPHIC)
STATIONS FOR THE NORTHWESTERN, WESTERN, AND SOUTHERN PORTIONS
OF MAP MANUSCRIPT, SURVEY NO. T-8570.

North western, Southern and Western Portions

NUMBER OF RECOVERABLE PHOTO (TOPOGRAPHIC) STATIONS. 12
NUMBER OF TEMPORARY PHOTO (TOPOGRAPHIC) STATIONS. 97
TOTAL NUMBER OF STATIONS 109

LISTED BY: Ruth E. Rudolph
Ruth E. Rudolph

CHECKED BY: Raymond Glaser
Raymond Glaser

NOTES
for
HYDROGRAPHIC PARTIES

COAST OF MAINE
PROJECT No. CS-272
NORTHEASTERN PORTION OF MAP DRAWING, SURVEY No. F-8570
VICINITY OF SWANS ISLAND

The $2\frac{1}{2}$ millimeter black ink circles shown are the positions of the selected hydrographic control stations. Two extra copies of the Descriptive List have been furnished for your use.

The limits of shoal areas and reef areas shown with dashed black ink lines (the dash of the shoal line is longer than the dash of the reef line) are approximate. Detailed in accordance with the Field Office interpretation of the photographs for your advance information. The position of the Low-Water Line shown with a dotted black ink line is approximate. Detailed in accordance with the field data.

All important details shown are considered to be within 0.5 millimeter of their true position.

The Mean High-Water Line of nine small detached bare rock areas and one offshore rocky islet has not been fully identified. The approximate Mean High-Water Line has been shown with a heavy-weight dashed black ink line. Verification during hydrography is recommended. The areas are located as follows:

- Two detached bare rock areas - Just northwest of Orono Island.
- One offshore islet - Just southwest of Orono Island.
- Two detached bare rock areas - Just southwest of Phinney Island.
- Two detached bare rock areas - Just southwest of Garden Islands.
- Three detached bare rock areas - Eastern shore of Mackerel Cove at Fir Point.

Investigation of the following features (Chart No. 308) during hydrography is recommended:

Nine charted rocks awash (high spots of ledge) located on Long Ledge. Only rock ledge has been shown.

Three charted rocks awash (high spots of ledge) - just north of Orono Island. Only rock ledge has been shown. Pertains also to Chart No. 227.

Charted rock awash - just southeast of Phinney Island. Only rock ledge has been shown. Pertains also to Chart No. 227.

Four charted rocks awash - north of The Triangles. Only rock ledge has been shown. Pertains also to Chart No. 227.

Charted offshore rock awash - latitude $44^{\circ} 11.1'$, longitude $68^{\circ} 25.25'$. Not shown.

Charted rock awash - latitude $44^{\circ} 11.35'$, longitude $68^{\circ} 25.25'$. Not shown.

Charted rock awash - Staple Ledge. Approximate position of reef shown.

Offshore boulder awash - latitude $44^{\circ} 10.18'$, longitude $68^{\circ} 23.74'$ has been shown. A detached bare rock has been charted.

Charted rock awash - latitude $44^{\circ} 08.45'$, longitude $68^{\circ} 23.62'$. Not shown.

Charted bare rock - latitude $44^{\circ} 10.25'$, longitude $68^{\circ} 26.54'$. Offshore rock ledge has been shown.

Charted bare rock - latitude $44^{\circ} 10.35'$, longitude $68^{\circ} 26.5'$. Rock ledge has been shown.

Five charted rocks awash - latitude $44^{\circ} 10.52'$, longitude $68^{\circ} 26.0'$. Only the most easterly one, and the most southwesterly one have been shown. Rock ledge has also been shown.

Charted bare rock - latitude $44^{\circ} 10.85'$, longitude $68^{\circ} 26.9'$. Rock ledge has been shown. Pertains also to Chart No. 227.

Charted rock awash - eastern shore of Mackerel Cove - southeast of Rowe Head. Not shown.

Two charted wharves - latitude $44^{\circ} 10.4'$, longitude $68^{\circ} 25.4'$. Not shown.

Investigation of the following features (Chart No. 227) during hydrography is recommended:

Charted detached bare rock - latitude $44^{\circ} 11.22'$, longitude $68^{\circ} 27.12'$. Not shown.

Six charted detached bare rocks - just south of the southern shore of Phinney Island. Only two have been shown.

Charted detached bare rock - latitude $44^{\circ} 11.35'$, longitude $68^{\circ} 27.10'$. Not shown.

Charted rocks awash - just north of Long Ledge. Not shown.

Charted rocks awash - just southwest of Long Ledge. Not shown.

Charted position of Long Ledge is in disagreement with the position of Long Ledge shown on the Map Drawing.

All features noted as not shown in these notes were neither field identified nor visible on any of the photographs.

Respectfully Submitted:
March 17, 1945

Walter E. Schmidt
Walter E. Schmidt,
Photogrammetric Engineer

NOTES
FOR
HYDROGRAPHIC PARTIES
COAST OF MAINE
NORTHWESTERN, WESTERN, AND SOUTHERN
PORTIONS OF
MAP MANUSCRIPT, SURVEY NO. T-8570
PROJECT NO. CS-272

The 2½ millimeter black acid ink circles are the positions of the selected Recoverable Photo(Topographic) Stations and the Temporary Photo(Topographic) Stations. Such circles accompanied by a name and date (1945) are the positions of the Recoverable Photo(Topographic) Stations. All other such circles, accompanied by a number only, are the positions of the Temporary Photo(Topographic) Stations. Two copies of the list of descriptions of all of the Photo(Topographic) Stations have been furnished for your use.

The very small black acid ink circles accompanied by the note "Sub.Sta" are the positions of substitute stations. A brief description of the substitute station may be found on the pricking cards, Form No.M-982-1, submitted to the Washington Office.

The alternate dot and dash ink line is the definite position of the Mean Low-Water Line. The dotted line is the approximate position of the Mean Low-Water Line.

The outline of shoal and reef areas shown are approximate and are for your advance information only. They are shown with long dashed and short dashed black acid ink lines respectively, accompanied by the note "Shoal" or "Reef".

The following charted features were not definitely revealed by photography and should be investigated during the next hydrographic survey:

Hanus Ledge and Hawleys Ledge
All floating Aids to Navigation within the area of the survey
Two rocks awash at Robinson Ledge
Rock awash just west of Hat Island
Two rocks awash in Buckle Harbor
Rock just south of Red Point
Rock northwest of Potato Field
Cable area across Burnt Coat Harbor
Three rocks in the northern part of Burnt Coat Harbor
Rock between Gooseberry Island and Gooseberry Island Ledge
Eight rocks awash in Seal Cove
Note: For location see section of Nautical Chart No. 308 attached to this report. These features have been indicated with a red ink line around the area in which they fall.

Features in disagreement with the Nautical Chart:

Shoreline on the northern shore of Long Cove has been changed somewhat.

Mud areas north of Long Cove, at head of Burnt Coat Harbor, at head of Toothacher Cove, and in Seal Cove appear as ledge on the Chart

The following charted rocks awash have been shown on the Map Manuscript as ledge areas:

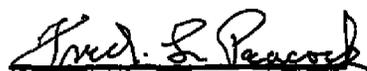
Two rocks in Seal Cove
Three rocks just off Swans Island Head
Two rocks at Hat Island Ledge
One rock at Whale Ledge
Four rocks at Sandbeach Ledge
Two rocks in Toothacher Cove
Two rocks at Sheriff Ledge
One rock at Gooseberry Island Ledge
Two rocks in Long Cove

Note: For location see section of Nautical Chart No. 308 attached to this report. These features have been indicated by a green ink line around the area in which they fall.

Respectfully submitted:
May 1, 1946


Ruth E. Rudolph
Photogrammetric Aid

Approved and Forwarded:
May 8, 1946


Fred. L. Peacock
Chief of Party, C&G Survey
Officer in Charge
Baltimore Photogrammetric Office

- 1063 Center of group of 20 foot evergreens on East Point; 15 meters inshore from Mean High-Water Line.
- 1064 15 foot bushy evergreen at edge of grass and dirt bluff in cove. Directly inshore from dark jagged ledge.
- 1065 Base of 20 foot slender evergreen with shorter stubbier evergreen growing at its side; 10 meters inshore from Mean High-Water Line.
- 1066 "~~Brick Chimney, 2-Story House~~" - Station is the red brick chimney on a 2-story house with glassed-in sleeping porch on second story; located on the northeastern side of Swan Island, about midway between Phinney and East Points; 30 meters back of Mean High-Water Line on boulder beach which is in back of small bight. Chimney is about $2\frac{1}{2}$ meters south of north gable. Recoverable Topographic Station.
- 1067 "~~Red, Brick Chimney, Unpainted House~~" - Station is the red brick chimney in the center of the ridge-roof of unpainted house with shingle roof; located on the northeastern side of Swan Island, about 350 meters south of Phinney Point, about 150 meters back of shoreline, about 30 meters east of dirt road, 45 meters northwest of barn. Recoverable Topographic Station.
- 1068 Largest white granite boulder in field. One meter high; 2.5 meters in diameter.
- 1069 East gable of white house, west, southwest of small stagnant pond. House has 5 windows on east side. It has fancy combing on east gable.
- 1070 Chimney in center of hip roof, largest part of house.
- 1071 "~~Square Cupola on Unpainted Barn~~" - Station is the square cupola on the center of roof of unpainted barn with ridge of roof running north and south and connected to house to north; located on the northeastern side of Swan Island, 500 meters northeast of Swan Island Church Spire, 1300 meters northwest Phinney Point, 700 meters northwest of stagnant pond, 94 meters back of shoreline, 30 meters northeast of gravel road. Recoverable Topographic Station.
- 1072 Two meters square chimney foundation. Protrudes 6 inches above the ground.
- 1073 Base of 35 foot straight evergreen tree. Tallest on island.
- 1074 "~~Stone Chimney, 1-Story house~~" - Station is the stone chimney at the southwest gable of a lone, one-story, yellow house, located on the eastern side of Swan Island, in the northwest corner of the small bay on the southern side of East Point, 880 meters W.S.W. of East Point, 580 meters W.N.W. of Ram Island, between two stagnant ponds, 22 meters back of Mean High-Water Line. Recoverable Topographic Station.

- 1075 Base of 18 foot evergreen at inshore edge of boulder beach at line of vegetation.
- 1076 Base of 10 foot evergreen approximately 3 meters offshore from line of vegetation. 8 meters inshore from Mean High-Water Line. Apparently growing out of ledge.
- 1105 Chimney on large House - Chimney is four meters south of north gable.
- 1108 "~~Terra-Cotta Chimney on House~~" - Station is the yellow terra cotta chimney on the northwest end of 2-story, light-colored house with 2 dormers on northeast side; located on the northeastern side of Swan Island; on the prominent point about 1000 meters southeast of North Point, 40 meters in from Mean High-Water Line. House is the only one on point and chimney is 4 meters southeast of northwest gable, and 1.5 meters southwest of ridge of roof. Recoverable Topographic Station.
- 1109 12 foot evergreen, 50 meters back of shoreline.
- 1110 Center of large black boulder.
- 1111 S.W. gable of house.
- 1112 Lone evergreen.
- 1113 South gable of house.
- 1114 West gable of house.
- 1115 Peak of small square boat house inshore end of small pier.
- 1116 Chimney on west side of yellow house.
- 1117 Center of tank north corner of cribbing.
- 1118 Base of 25 foot evergreen on small point.
- 1119 N.W. corner of small pier.
- 1120 "Northwest gable ~~White House~~" - Station is the northwest gable of the southwest and largest section of 2-story, white house, located on the southeastern side of Mackerel Cove; about 1 mile southwest of the village of Atlantic, 820 meters southeast of Rowe Head; 620 meters from head of small cove, 100 meters back of shoreline of small bight, and 55 meters northwest of road. Recoverable Topographic Station.
- 1121 Base of 50 foot evergreen.
- 1122 Point of grass, 20 meters southwest of nearest evergreen.
- 1123 N. corner of house.

- 1124 15 foot bushy evergreen.
- 1125 30 foot evergreen.
- 1126 30 foot evergreen.
- 1127 Center of water filled depression in ledge, bottom covered with pieces of ledge and clam shells.
- 1128 8 foot evergreen.
- 1129 Window in center of east side of small shack.
- 1130 Center of water filled depression in ledge; pieces of ledge piled in depression to aid recovery.
- 1131 12 foot lone evergreen.
- 1132 Lone evergreen on island.
- 1133 "Cross on boulder" - Station is a cross, about 1" deep, chiseled in the top of a white-topped boulder projecting 3 feet above grass; located on the highest point of Phinney Island, which is north of Swan Island, located in blue Hill Bay. Station is on north side of Phinney Island; 25 meters east of a clump of evergreen trees; 60 meters south of Mean High-Water Line on end of Point; 35 meters west of Mean High-Water Line to east. Boulder is the largest and most conspicuous one on that part of island. Recoverable Topographic Station.
- 1134 12 foot evergreen about 3 meters west of evergreen at extreme south point of Phinney Island.
- 1135 Northwesterly evergreen of two 20 foot evergreens growing 18 inches apart on northwest side of small island.
- 1136 "ORONO POINT BEACON" - Station is the large, black, metal slatted tripod beacon; 26 meters north of the small island which is north of the north end of Orono Island. Recoverable Topographic Station; also Fixed Aid to Navigation.
- 1137 5 Foot evergreen on point.
- 1138 10 foot evergreen northeast end of small island.
- 1395 15 foot evergreen.
- 2267 Evergreen.
- 2268 Evergreen.
- 2269 Evergreen.

- 2270 Evergreen.
- 2271 Evergreen.
- 2272 Evergreen.
- 2273 Evergreen.
- 2274 Evergreen.
- 2275 Evergreen.
- 2276 Evergreen.
- 2277 Evergreen.
- 2278 Evergreen.
- 2279 Evergreen.

"Round 1944" - Station is located on the northernmost tip of Round Island which lies in the southern part of Blue Hill Bay; on a high point and about 3 meters outside tree line; and 11 meters inside Mean High-Water Line. Standard disc stamped "Round 1944". Recoverable Topographic Station.

"Been, 1944" - Station is located on the extreme tip of North Point which is located on the northern side of Swan Island; 12 meters northwest of tree line, and 4 meters back of Mean High-Water Line. Standard topographic disc stamped "Been 1944". Recoverable Topographic Station.

"Head, 1944" - Standard topographic disc marked "Head 1944", set in drill hole in ledge on point of land known as Swan Island Head. Lone evergreen is 32.9 meters inshore, High Water-line is 8.5 meters north of station; is in range with islet of ledge northeast of Swan Island Head and center of Buckle Island. Recoverable Topographic Station.

"Irish, 1944" - Station is located on the tip of Irish Point on the southwest side of Swan Island. Mark is on about the center of the point; on a conspicuous rock point which is about 10 feet higher than the surrounding area; about 1 meter in from end and both sides of small rocky point. It is about 25 meters north of the High-Water Line. Mark is a standard topographic station disc stamped "Irish 1944" set in ledge rock. Recoverable Topographic Station.

- 701 "TILE, 1945" - Station is bronze disc stamped "TILE, 1945" cemented in drill hole in boulder 3 meters south of an 8' evergreen tree on line to the south with John's Island. Bronze disc is 6 meters in from Mean High-Water Line southeast. Located on the southeastern side of Swans Island just south of Red Point. Recoverable Photo(Topographic) station
- 702 "OVEN, 1945" - Station is bronze disc stamped "OVEN, 1945" cemented in drill hole in boulder on ledge 2 meters east southeast of the base of 10" diameter evergreen tree on range to southern tip of West Sister Island. Disc is 10 meters in from Mean High-Water Line. Station is at east edge of limbs of evergreen. Located at Red Point on Swans Island. Recoverable Photo(Topographic) Station.
- 703 Lone 15' evergreen near inner edge of boulder beach. Small 5' evergreen is about 10 meters south southwest.
- 704 30' evergreen with slightly crooked trunk, base at edge of ledge.
- 705 "BAND,,1945" - Station is bronze disc stamped "BAND, 1945" cemented in drill hole in ledge 1 meter south southwest from a 12' evergreen tree growing in grass line at edge of ledge. Tree is on range to southeastern tip of Baker Island. A ridge of ledge is offshore from station. Station is 10 meters in from Mean High-Water Line. Located on the southern side of Swans Island just east of Stanley Point and north of Baker Island. Recoverable Photo(Topographic) Station.
- 706 Base of a 30' evergreen tree with a very crooked trunk. Tree in two parts. Part of it grows straight up and the other curves out and then up.
- 707 Base of the most southwesterly evergreen before a small clearing. This tree is about 35' tall.
- 708 Most easterly evergreen on edge of clearing. Next to a boulder beach. Tree is 15' tall.
- 758 "HARBOR ISLAND LEDGE BEACON"- Station is top of 35' red spindle with white reflector on top. Located off the north shore of Harbor Island. Recoverable Photo (Topographic) Station.
- 761 "LAKE, 1945" - Station is bronze disc stamped "LAKE, 1945" cemented in top center of a 3' tall white topped boulder sitting in the southwest corner of a field running off into a point to the northward. This station is 13 meters in from the Mean High-Water Line. Located on the western side of Swans Island, about half way between Swans Island Head and West Point. Recoverable Photo(Topographic) Station.
- 762 Most northeasternly 25' evergreen on point. Tree is approximately 12 meters in from Mean High-Water Line.
- 763 Base of a 40' evergreen tree leaning towards the bay and is on Mean High-Water Line. This tree has about an 18 inch diameter trunk.
- 764 Most southwesterly 30' evergreen on point. Tree is about 3½ meters in from Mean High-Water Line.

- 765 Base of the most easterly 30' evergreen on point. Small bushes are growing around this tree.
- 766 Base of a 50' evergreen at head of cove. There is a dead tree east of tree about 10 feet.
- 767 Base of small lone 6' evergreen growing on point and on ledge. This tree is farthest out on point of ledge.
- 768 Base of a 12' twin evergreen sitting on west side of ledge. Tree is sitting by itself.
- 769 Base of the most prominent leaning evergreen tree on east side of small cove.
- 770 Base of a lone 45' evergreen on bluff. There is a small clearing directly south of the tree.
- 771 Most southerly of two twin evergreens growing about 6' apart. Trees are about 3 meters in from Mean High-Water Line.
- 772 Base of a 50' evergreen 6 meters in from Mean High-Water Line. This tree is in at base of a small ledge and tree is blazed to aid recovery.
- 773 Top center of most prominent white topped boulder about 4 meters out from Mean High-Water Line. This boulder has moss on the northeast side of it.
- 774 Base of a 15' evergreen tree sitting on the north end of a point.
- 775 Most southwesterly of group of evergreens on small bluff of land. This tree gnarled at base, running up about 12 ft.
- 776 Most northwesterly of a 25' evergreen tree on northern end of island.
- 777 Base of a 50' evergreen sitting about 2 meters in from Mean High-Water Line. There is a grass patch about 6' northwest of this tree.
- 778 Base of a 20' lone evergreen tree at edge of grass. This tree is off the end of some high bushes.
- 779 "BRICK CHIMNEY, 1945" - Station is top of a red brick chimney on a 1½ story unpainted house. This house sits back in an open field 69 meters in from Mean High-Water Line. This is the only house in the vicinity. Located on the western side of Swans Island at Buckle Harbor. Recoverable Photo(Topographic) Station.
- 780 Most southwesterly lone evergreen on point. About 20' tall.
- 781 Base of a 50' evergreen tree on the northwesterly side of the north end of island. Tree is 18 meters in from Mean High-Water Line. Base of this tree has been blazed to aid recovery.

- 782 Base of a 20' evergreen tree the farthest north on the north end of small island.
- 783 The southerly of a group of closely growing 40' evergreens.
- 784 Base of a 20' dead stump of a tree with a "Fish Hawk" nest on the top of it. This stump with nest sits on the northwest end of point.
- 785 Base of 30' twin evergreen on the northwest tip of land.
- 786 East edge of largest inshore boulder of three sitting on top of ledge running off tip of land.
- 787 Base of a 15' evergreen with branches covering a small boulder. Tree is at edge of grass line.
- 788 Base of a 60' evergreen tree leaning toward the north. Dead tree to the south of this tree.
- 789 Base of 20' evergreen sitting by itself at edge of grassline.
- 790 Base of six evergreen trees growing closely together on side of ledge. These trees are about 25' tall.
- 791 Most northerly 50' evergreen on island.
- 792 Base of a leaning 30' evergreen just at the south tip of a 15' white flat ledge laying close to side of a banking.
- 793 Base of a tall 60' evergreen growing out at the foot of banking. This tree bends outwards and then in and straight up. Tree is at grass line. Tree is at south end of island on east side.
- 794 Base of a 45' gnarled evergreen sitting on top of ledge at grass line.
- 795 Top of a 6' tall white prominent boulder sitting on top of ledge and at grass line. Largest boulder in this vicinity.
- 796 Lone 20' evergreen
- 797 Top center of an 8' round boulder balancing on top of ledge at Mean High-Water Line.
- 798 Most westerly gnarled 40' evergreen on point. There is a 60' twin evergreen 20' east of this tree.
- 799 Base of most southerly 50' evergreen tree on point.
- 800 "EARN, 1945" - Station is bronze disc stamped "EARN, 1945" cemented in top center of oblong shaped pink granite boulder, highest on ledge. Station is 3.5 meters south southeast of lone evergreen and on range with tree to High Sheriff Ledge and is 200 meters east of west side of sand beach. Seven meters to Mean High-Water Line. Located on the southern side of Swans Island at Sand Cove. Recoverable Photo(Topographic) Station.

- 801 Lone 40' evergreen at edge of grass line and to the east of a group of trees.
- 802 Most southeasterly 25' evergreen growing on line of ledge and grass.
- 803 Top center of highest part of pinkish colored ledge in center of beach.
- 804 Base of 40' lone evergreen. The most southerly tree on point.
- 805 Base of 20' evergreen tree at edge of ledge
- 806 15' evergreen in center of bushes. This tree is at the northeasterly end of beach and is back from shore and grass line about 25'.
- 807 "ACRE, 1945" - Station is bronze disc stamped "ACRE, 1945" cemented in drill hole in ledge 3 meters west of group of four 12' evergreens growing very close together. This station is on range with evergreens to station "EARN" across cove. Station is 7 meters in from Mean High-Water Line. Located on Swans Island just west of the town of Swans Island. Recoverable Photo (Topographic) Station.
- 808 Base of a 35' evergreen tree approximately 7 meters east of a white round boulder on Mean High-Water Line. This tree leans slightly to the south.
- 809 The most southerly and easterly of two 20' evergreen trees sitting on point.
- 810 The southeasterly of two 15' evergreen trees growing nearest the shady stretch on beach.
- 811 Most southerly 35' evergreen on point.
- 812 Most southerly of a group of evergreen trees growing close to shore line. To the east of this tree there is a patch of bushes.
- 813 Northwest gable of old unpainted boat house. This boat house has a slight lean to the west.
- 814 "BRICK CHIMNEY, 1945" - Station is top of red brick chimney on center of east section of 1½ story unpainted house sitting up on small opening over ledges running along shore. The east section of this house has two little dormer windows on the south side of roof. Located on Swans Island at Toothacher Cove. Recoverable Photo (Topographic) Station.
- 815 Base of lone 35' evergreen tree growing at north end of an old stone cribbing.
- 816 West brick chimney on one story white and gray house.
- 817 Base of a 25' evergreen on the north side of point. All around this tree there are bushes.

- 818 Southeasterly of evergreens on point. There are two of these trees growing close together but this mark is the base of the most southeasterly of the two.
- 819 Base of two 4' and 2' tall evergreen trees growing out of crack in ledge.
- 820 Base of a 10' evergreen on tip of grass line on point.
- 821 The southerly of a group of 4 evergreens at edge of grass and ledge line. These trees are about 20' tall.
- 822 Lone 20' evergreen at grass line on beach.
- 823 Most westerly 25' evergreen tree that is farthest on point and is quite a gnarled tree.
- 824 Base of leaning 20' evergreen tree at edge of grass line. There are quite a few shorter trees to the southeast of it.
- 825 Base of a crooked 60' evergreen on point. This tree is a lone tree and is tallest on point.
- 826 North corner of offshore end of cribbing.
- 827 Most southeasterly evergreen on point.
- 828 Base of a 30' lone evergreen in the north end of an open field. This tree has twin top on it.
- 836 Base of a 15' evergreen at inshore end of point on northwest side. Tree is at edge of small beach.
- 837 East corner of offshore house on pier.
- 838 Top of cupola on center of roof on white barn with green trim. This is a 1½ story barn.
- 839 Southeast corner of old steamboat pier.
- 840 "BRICK CHIMNEY, 1945" - Station is red brick chimney near east gable of a 1½ story gray house with white trim. Five windows on south side of house and a small shed on east side of house. Shed as one window on east and south side of it. Located at the town of Swans Island at Burnt Coat Harbor. Recoverable Photo (Topographic) Station.
- 841 Red brick chimney in center of one story unpainted house with porch attached to east side of house.
- 842 Base of a 40' evergreen tree that is about 100' northwest of an old leaning unpainted weather-beaten boat house on Mean High-Water Line. There are a lot of bushes around this tree.
- 843 "BRICK CHIMNEY, 1945" - Station is brick chimney on center of southwest

section of a $1\frac{1}{2}$ story T-shaped house which is the southerly of two $1\frac{1}{2}$ story houses, separated by a highway. These are the only two houses at this end of cove. Cove is located in the most northerly part of Burnt Coat Harbor on Swans Island. Recoverable Photo(Topographic) Station.

- 844 Base of most southwesterly 40' evergreen on point at grass line.
- 845 Base of a 50' evergreen with a very curved trunk. Tree is just inshore from a small grass patch at Mean High-Water Line.
- 846 Base of a 40' evergreen on small point jutting out into bay.
- 847 South end of offshore end of very long pier.
- 848 Southwest gable of small boat house with a slide running into water for hauling boats on.
- 849 Top center of a 4' high brown boulder on point. This boulder is on Mean High-Water Line and is only boulder in vicinity.
- 850 Northwest gable of old unpainted boat house with iron chimney in center of roof.
- 851 Most southerly 18' evergreen on island. Base of this tree has been blazed to aid recovery.
- 852 Base of lone 18' evergreen tree sitting southeast about 10' from a large gray boulder.
- 853 Brick chimney in center of old unpainted run-down one story house. House has four windows on west side of it.
- 854 Brick chimney in center of $1\frac{1}{2}$ story white house with green trim. There is a small half circle shaped piece of lattice work under gable on west end of it.
- 855 Base of a 35' evergreen at southeast end of wooden pier.
- 856 The west gable of a long one story unpainted house with black tar paper roof. There is a flagstaff at this west gable. There are four sky-lights in roof on north side and a longer house attached to the south side. Both these houses are on pier.
- 857 Northwest gable of unpainted broken down shack at foot of old stone cribbing.
- 858 Base of twin 40' evergreen growing on small point.
- 859 The west corner of offshore end of pier.
- 860 Base of a lone 18' evergreen sitting back in with bushes at head of cove.

- 861 Brick chimney on white house with white west side with green trim and red side on south side.
- 862 Most northerly crooked trunked evergreen on small island. Tree is about 35' tall.
- 863 The northwest corner of offshore end of wooden pier.
- 864 Base of 30' evergreen tree farthest offshore of group.
- 865 Base of 55' evergreen at the northwest end of beach. This tree is at grass line.
- 866 Base of 50' evergreen. The most southeasterly of a group of evergreen trees at the west end of beach.

Tidal Bench Mark 4, 1911 - Station is northwest of Morse's store and west of the large barn with cupola. A small black garage is between barn and mark. Mark is in the northeast side of the vertical face of ledge. Located at the town of Swans Island on Swans Island. Recoverable Photo (Topographic) Station.

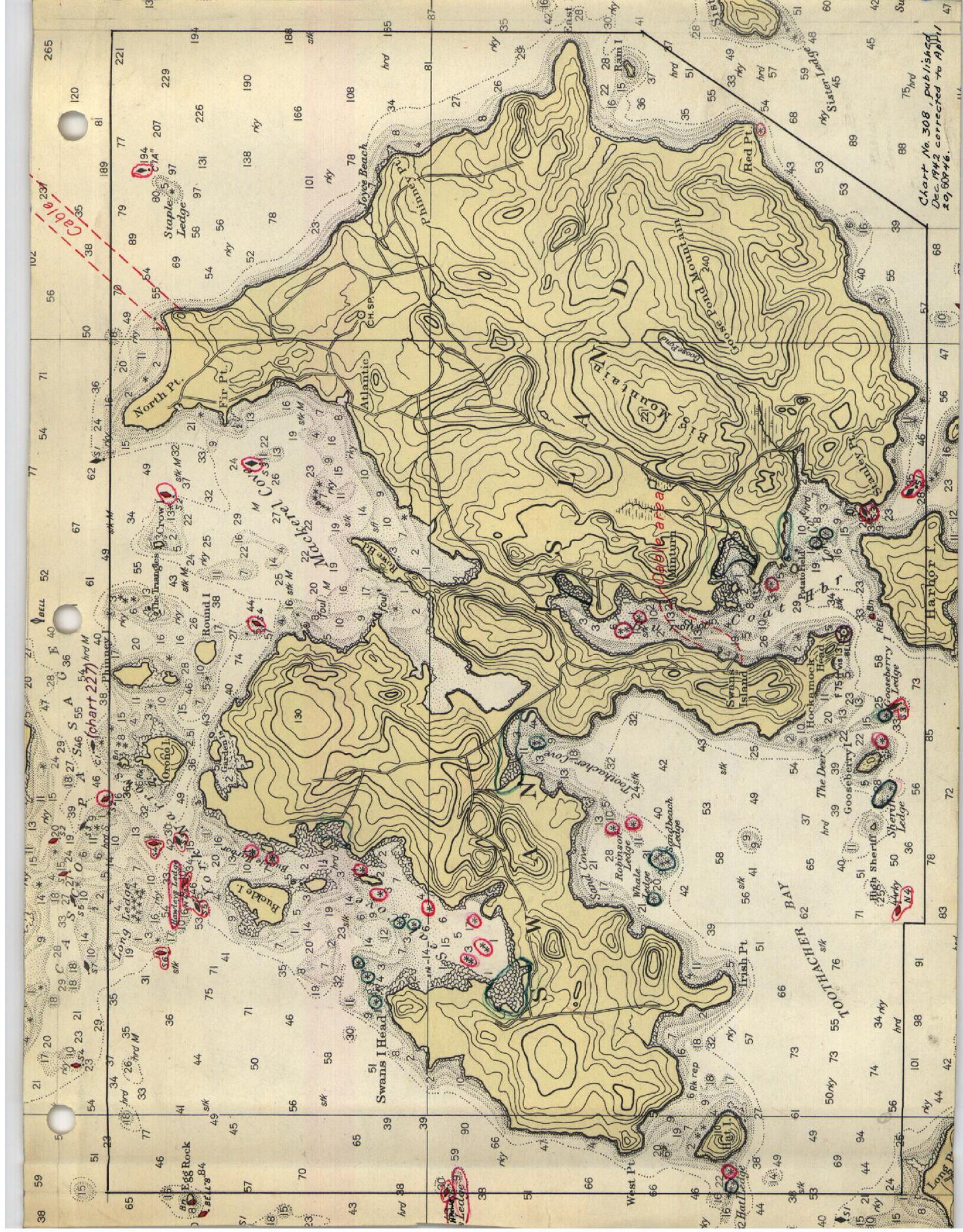


Chart No. 308, published
Dec. 1942, corrected to April
20, 1946.

