

8565

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photographic

Field No. _____ Office No. T-8565

LOCALITY

State Maine

General locality Coast of Maine

Locality Union River Bay, Patten Bay

Union River

194 6

CHIEF OF PARTY

William F. Deane

LIBRARY & ARCHIVES

DATE

Mar 18 - 1948

B-1870-1 (1)++

8565

DATA RECORD

T-8565

Quadrangle (II):

Project No. (II): CS-272

Field Office:

Chief of Party:

Air Photographic Party No. 2

William F. Deane

Compilation Office:

Chief of Party:

Baltimore Photogrammetric Office

William F. Deane

Instructions dated (II III):

Copy filed in Descriptive

April 1, 1942 (Additional). July 10, 1943 (Horizontal Control Requirements). March 18, 1944 (Supplemental). August 10, 1944 (Additional). August 26, 1944 (Amendment to Additional Instructions).
 Completed survey received in office: 8/7/46

Report No. T- (VI)
Div. Photogram. Office Files

Reported to Nautical Chart Section:

Reviewed: *H. J. P. 2/14/47* Applied to chart No. - Date: -Redrafting Completed: *Not re-drafted*Registered: *March 24 Feb. 1948*

Published:

*Hoffman cloth-backed copy 26 Nov. 1947
Vault copy only*

Compilation Scale: 1:10,000

~~Published Scale: 1:10000~~

Scale Factor (III): 1.000

Geographic Datum (III): N. A. 1927

Datum Plane (III):

Reference Station (III): UNION, 1934 r. 1944.

Lat.:

Long.:

Adjusted

44° 27' 51.326" (1584.3 meters) 68° 25' 46.427" (1026.3 meters) ~~UNADJUSTED~~State Plane Coordinates (VI): *East Zone*

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
44-C-1342 to				
44-C-1345 incl.	5/26/44	1245	1:10,000	9.3' above M L W
44-C-1404 to				
44-C-1408 incl.	5/29/44	1100	1:10,000	1.1' above M L W
44-C-1426 to				
44-C-1430 incl.	5/29/44	1115	1:10,000	1.3' above M L W
44-C-1651 to				
44-C-1652 incl.	6/4/44	1115	1:10,000	7.3' above M L W
44-C-1653 to				
44-C-1654 incl.	6/4/44	1130	1:10,000	6.7' above M L W

Tide from (III); Predicted Tide Tables Atlantic Ocean, 1944. Reference Station Eastport, Maine with corrections to Union River, Blue Hill Bay, Maine
 Mean Range: 10.4' Spring Range: 11.9'

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

Field Inspection by: Lieutenant Dale E. Sturmer
 date: Oct. and Nov. 1944 and June 1945

Field Edit by: date:

Date of Mean High-Water Line Location (III): As of photographs taken May 26, May 29 and June 4, 1944, supplemented by field data obtained during October and November 1944 and June 1945.

Projection and Grids ruled by (III) S. R. date: 7/14/45

" " " checked by: S. R. date: 7/14/45

Control plotted by: F. M. Hammond date: 8/5/45

Control checked by: R. M. Whitson date: 8/5/45

Radial Plot by: E. L. Bauman & F. J. Tarcza date: Feb. & Mar. 1946

Detailed by: L. A. Senasack date: May 1, 1946 to June 21, 1946

Reviewed in compilation office by: H. R. Rudolph date: June 24, 1946 to July 29, 1946

Elevations on Field Edit Sheet checked by: date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 5

Shoreline (More than 200 meters to opposite shore): 19 statute miles

Shoreline (Less than 200 meters to opposite shore): $1\frac{1}{4}$ statute miles
(Measured along approximate centerline)

Number of Recoverable Topographic Stations established: 18, one of which
is a Theodolite Station

Number of Temporary Hydrographic Stations located by radial
plot: 125

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-8565

COAST OF MAINE

UNION RIVER BAY

PATTENS BAY

UNION RIVER

PROJECT NO. CS-272

1. DESCRIPTION OF THE AREA:

According to Instructions dated August 10, 1944, Map Manuscript, Survey No. T-8565 is a shoreline survey.

Map Manuscript for Survey No. T-8565 covers the area of the northern part of Union River Bay and Morgan Bay, all of Patten Bay, and the mouth of Union River.

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

The interior is mostly tree covered and hilly, the elevation rising from sea level to about 220 feet at an area just south of Patten Bay.

2. COMPLETENESS OF FIELD INSPECTION:

The identification of the horizontal control, the Mean High-Water Line, foreshore and offshore features are complete except for off-lying shoal and sunken reef areas not discernible on the photographs. The identification of the Mean Low-Water Line is not complete in several areas. (See Heading No. 8, Mean Low-Water Line)

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: *See Identification Report*

Four previously established horizontal control stations were recovered in good condition. Two of these stations were accurately identified by a Substitute Station, and one station, BLUFF POINT, 1864 was not identified. In addition to the four stations recovered in good condition two stations namely, NEWBURY NECK, 1864 and 453, 1942 (U.S.G.S.) were recovered but their position is in doubt. These stations should be used with caution. Another station WEST TRENTON, 1934, was searched for but not found.

One new Theodolite Station was established by the Field Unit "TENT." operating in 1944. This Theodolite Station was identified by Substitute Station.

Forms No. 526, Recovery Note, have been submitted to the Baltimore Photogrammetric Office for each of the previously established horizontal control stations recovered or searched for, but not found.

Form No. 524 has been submitted for the Theodolite Station.

5. VERTICAL CONTROL:

No vertical control stations were recovered within the area of this survey.

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 established 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 ledge areas revealed by photography have been identified on the photographs with the amount to which they uncover at Mean Low-Water noted.

8. MEAN LOW-WATER LINE:

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

The position of most of the Mean Low-Water Line has been identified on the field photographs. The approximate position of the Mean Low-Water Line is shown on the field photographs with a dotted green ink line and the true position is shown with a dot and dash green ink line. Several small portions of Mean Low-Water Line have not been identified at all.

9. WHARVES AND SHORELINE STRUCTURES:

All of the piers, cribbing, and other shoreline structures visible on the photographs within the area of this Survey have been identified on the field photographs.

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

All offshore rock ledge areas, rocks, and a wreck revealed by photography were identified. The extent to which several prominent rocks and rock ledge areas bare at Mean High-Water or uncover at Mean Low-Water has been noted on the photographs.

The character of the foreshore area has been indicated on the field photographs.

11. LANDMARKS AND FIXED AIDS TO NAVIGATION: *see # 34 Compilation Report*

One previously charted Fixed Aid to Navigation has been recovered and located by sextant fixes by the Field Unit. One new landmark has been recommended for charting.

12. HYDROGRAPHIC CONTROL:

- 17 Recoverable Photo (Topographic) Stations
- 125 Temporary Photo (Topographic) Stations

Forms 524 and descriptions have been furnished for each of the Recoverable Photo (Topographic) Stations.

Descriptions only have been furnished for the Temporary Photo (Topographic) Stations.

14. ROAD CLASSIFICATION:

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

18. GEOGRAPHIC NAMES:

No investigation.

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COMPILATION REPORT

MAP MANUSCRIPT, SURVEY NO. T-8565

COAST OF MAINE

UNION RIVER BAY
PATTENS BAY
UNION RIVER

PROJECT NO. CS-272

26. CONTROL:

The horizontal control in the area of the Map Manuscript for Survey No. T-8565 consists of sixteen stations. They are as follows:

11 within the detail limits

<u>Name of Station</u>	<u>Type of Station</u>
e. BLUFF POINT, 1864 r. 1944	Triangulation
d. NEWBURY NECK WHITE HOUSE SOUTH CHIMNEY, 1864 r. 1944	Triangulation
a. SMITH, 1864 r. 1944	Triangulation
a. TENT, 1944	Topographic (new)
TT3PBK, 1942 (385) (U.S.G.S.) r. 1944	Traverse
a. UNION, 1934 r. 1944	Triangulation
c. WEST TRENTON, 1934	Triangulation
b. 450+, 1942 (U.S.G.S.)	Traverse
b. 453+, 1942 (U.S.G.S.)	Traverse
b. 377, 1942 (U.S.G.S.)	Traverse
b. 374, 1942 (U.S.G.S.)	Traverse

5 just outside the detail limits

a. MT. DESERT NARROWS NORTH TRANSMISSION TOWER, 1934 r. 1944	Triangulation
a. SUL, 1944	Topographic (new)
TRENTON, MOUTH OF JORDON RIVER CHURCH SPIRE, 1934 r. 1944	Triangulation
a. WEST TRENTON UNION CHURCH SPIRE, 1865 r. 1944	Triangulation
bf. 368+, 1942 (U.S.G.S.)	Traverse

26. CONTROL: (Cont.)

- a. Station identified by a Substitute Station. The positions of these Substitute Stations have been shown on the Map Manuscript with very small black acid ink circles accompanied with the note "Sub. Station".
- b. Not recovered.
- c. Not found.
- d. Recovery in 1944 incorrect. Radially plotted position identified by a small red acid ink circle.
- e. Recovered but not identified.
- f. Identified in Compilation Office.

27. RADIAL PLOT:

The radial plot for the area of this Survey is part of a combined plot made with slotted steel templates, satisfactory results were obtained. For a complete discussion of the Radial Plot, see Radial Plot Report for Project CS-272-E, Priority Area No. 3 submitted to the Washington Office, July 19, 1946.

28. DETAILING:

This compilation is in accordance with the written instructions pertaining to Project No. CS-272-E.

The horizontal control stations and horizontal pass points available for the compilation of the survey were adequate. The field data and the photographic coverage were not adequate, however.

No field data were available for the entire area of Tupper Ledge and Lord Rock, and several small sections of the Mean Low-Water Line along the East and West sides of Union River Bay, Morgan Bay and Union River.

Tupper Ledge was delineated after careful inspection of the office and field photographs.

The photographic coverage of portions of the eastern shore of Union River Bay south of Mill Cove, southern part of the western shore of Union River Bay and at the head of Patten's Bay was inadequate due to insufficient side overlap resulting in many of the detail points being determined by the intersection of only two radials, some of which were very slim angle intersections. However, it is believed that these points are all within the required limits of accuracy.

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. MEAN LOW-WATER LINE:

The position of the Mean Low-Water Line has been delineated in accordance with the field data and has not been shown unless identified by the Field Unit. 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.

31A. SHOAL LINES:

The approximate outline of shoal areas was delineated in accordance with the Compilation Office interpretation of the photographs and is for the advance information of the Hydrographic Parties only. Shown with a long dash black acid ink line, accompanied by the note "Shoal".

31B. REEF LINES:

The approximate outline of a reef area around Tupper Ledge was delineated in accordance with the Compilation Office interpretation of the photographs and is for the advance information of the Hydrographic Parties only. Shown with a short dashed black acid ink line, accompanied by the note "Reef".

31C. FORESHORE AREAS:

The foreshore areas shown consist of rock ledge, boulders, detached rocks, mud, gravel, sand, shells, marsh, and grass-in-water. Delineated in accordance with field data and with careful interpretation of the photographs by the Compilation Office. 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 with notes which are in accordance with the field data.

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

The offshore features include several rocks awash, small rock islets, a small reef and two wrecks. Such features have been delineated in accordance with field data.

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

33. WHARVES AND SHORELINE STRUCTURES:

Several piers, cribbings, ruins of cribbings, two wrecks and a fallen tree are the only shoreline structures within the area of the survey, and they have been delineated in accordance with the field data.

34. LANDMARKS AND FIXED AIDS TO NAVIGATION:

Beacon, Fullerton Point - Charted Non-floating Aid to Navigation. Position redetermined by sextant fix.

Chimney, 1945 (450) - Located on Newbury Neck just south of Carrying Place - recommended by Field Unit. *[Will be on new printing of Chart 307, Feb. 1948 (LTS)]*

Form No. 567 has been submitted for each of the above stations.

Chart Letter No. 134, (1947)

35. HYDROGRAPHIC CONTROL:

- 1 Theodolite Station "TENT"
- 17 Recoverable Photo (Topographic) Stations
- 125 Temporary Photo (Topographic) Stations

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 the use of the hydrographic parties.

Form No. 524 is being submitted for each of the seventeen Recoverable Photo (Topographic) Stations.

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. 307, and U. S. Geological Survey, Mt. Desert, Maine; Blue Hill, Maine; and Ellsworth, Maine Quadrangles. A list of names is attached to this report.

39. JUNCTIONS:

The junction with Map Manuscript for Survey No. T-8564 to the north has been made and is in agreement.

The junction with Map Manuscript for Survey No. T-8566 to the south has been made and is in agreement.

The remaining junctions are undelineated land areas.

40. HORIZONTAL ACCURACY:

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

41. RECOMMENDATIONS FOR FUTURE SURVEYS:

Map Manuscript, Survey No. T-8565 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 for Hydrographic Parties" attached to this report, and indicated on a section of Nautical Chart No. 307 also attached to this report.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLE:

United States Geological Survey, Mt. Desert, Maine (15' series) Quadrangle, scale 1:62,500, edition of 1942.

United States Geological Survey, Blue Hill, Maine (15' series) Quadrangle, scale 1:62,500, edition of 1944.

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

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

45. COMPARISON WITH NAUTICAL CHARTS:

United States Coast and Geodetic Survey Chart No. 307, scale 1:40,000, published at Washington, D. C., August 1943, corrected to July 5, 1945.

In general, planimetry common to the Map Manuscript and to the Chart is 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 are mentioned in "Notes for Hydrographic Parties" also attached to this report.

Respectfully Submitted:
July 30, 1946

Leroy A. Senasack
Leroy A. Senasack
Engineering Draftsman

Map Manuscript and 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:
August 7, 1946

William F. Deane
William F. Deane
Chief of Party, C & G Survey
Officer in Charge
Baltimore Photogrammetric Office

1945

IDENTIFICATION REPORT

HORIZONTAL CONTROL

MAP MANUSCRIPT, SURVEY NO. T-8565

PROJECT NO. CS-272

<u>Station</u>	<u>U S G S Quadrangle</u>	<u>Recovery Date</u>	<u>Pricking Data</u>
b. 453 (USGS)(*either culvert may be station)	Blue Hill	Not identified	Positive
b,c. 453 (USGS) (alternate)	Blue Hill	Not identified	Positive
BLUFF POINT, 1864 (*Station UNION close by Pricked)	Mt. Desert	10/13/44	*Not Pricked
NEWBURY NECK, WHITE HOUSE SOUTH CHY, 1864 (*House not definitely identified)	Mt. Desert	*Not identified	Positive
PATTENS BAY, WHITE HOUSE, EAST CHY, 1864	Mt. Desert	Lost	
a. SMITH, 1864	Mt. Desert	10/13/44	Positive
SURRY METHODIST CHURCH, CHY, 1864	Mt. Desert	Lost	
a. TENT, 1944	Mt. Desert	New	Positive
TT3, PBK, 1942 (USGS)	Mt. Desert	10/28/44	Positive
a. UNION, 1934	Mt. Desert	10/13/44	Positive
WEST TRENTON, 1934	Mt. Desert	Not found	
WHITE HOUSE, ONE STORY, CHY, 1864	Mt. Desert	Lost	

a. Station identified by a Substitute Station. The positions of the Substitute Stations have been shown on the Map Manuscript with very small black acid ink circles accompanied with the note "Sub. Station".

b. Geographic position not available - not plotted on the Map Manuscript.

c. Radial plotted position identical with the plotted geographic position of traverse station, 450, 1942 (USGS).

GEOGRAPHIC NAMES

(Undisputed)

Taken from Nautical Chart No. 307 and Blue Hill, Maine, Mt. Desert, Maine; and Ellsworth, Maine Geological Quadrangles.

- Bayside
- Carrying Place
- Contention Cove
- East Surry
- Loids Brook
- Lord Rock
- Meadow Stream
- Mill Cove
- Morgan Bay
- Patten Stream
- Smelt Brook ?
- Smiths Ledge
- Surry
- Tupper Ledge
- Union River
- Union River Bay
- Weymouth Point

• State No. 102

• NO. 15

• Newbury Neck

• Bayside Road

Names preceded by • are

approved GEOGRAPHIC NAMES

L. Heck 9/12/47

GEOGRAPHIC NAMES

(Disputed)

From Chart 307

~~Pattana Bay~~

From Chart No. 1202 and U. S. Geological
Survey, Mount Desert Quadrangle

• Patten Bay

NOTES
TO
REVIEWER

SURVEY NO. T-8565

PROJECT NO. CS-272

All details have been shown with the usual symbols.

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

The $2\frac{1}{2}$ millimeter black acid ink circles are the positions of the selected hydrographic control. Such circles, accompanied with a name and date (1945), and a number are the positions of the Recoverable Photo (Topographic) Stations; one such circle accompanied by a name and date (1944) is the position of the Theodolite Station. All other such circles, accompanied with a number only, are the positions of the Temporary Photo (Topographic) Stations. A list of all of the hydrographic control stations is attached to this report.

The very small black acid ink circles, accompanied with the note "Sub. Station" are the positions of the Substitute Stations. The one small red acid ink circle is the radially plotted position of Newbury Neck, White House South Chimney, 1864, as identified by Field Unit.

The photographs contain no appreciable tilt or differential distortion.

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

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

The drainage was determined after careful stereoscopic interpretation of office photographs.

The following disagreements between the Map Manuscript and the United States Geological Survey, Mt. Desert, Maine, Quadrangle were found:

Shown on the Map Manuscript but not on the Quadrangle:

All foreshore and offshore features.

All piers and cribbings.

Ruins of a dam.

Some portions of the drainage.

Several roads and trails.

Geographic Names - Lord Rock, Smiths Ledge, and Tupper Ledge.

Appearing on the Quadrangle but not on the Map Manuscript.

Several Bench Marks.

Bayside School.

A small cemetery north of Mill Cove.

Shown on the Map Manuscript in disagreement with the Quadrangle

Geographic name Pattens Bay - Patten Bay on Quadrangle.

The shoreline, in general, is in fair agreement.

Charted but not shown on the Map Manuscript because no data were available

All Floating Aids to Navigation.

3 sunken rocks on north side of Pattens Bay about midway between Surry and Contention Cove.

One rock awash about one mile west of Weymouth Point.

One rock awash on west side of Union River about a mile north of Weymouth Point.

Several sunken rocks on east side of Union River near Fullerton Point Beacon.

One rock awash on the west side of Morgan Bay north of Smelt Brook.

More drainage.

Shown on the Map Manuscript in disagreement with Nautical Chart No. 307

Many charted rock ledge areas on the west shore of Morgan Bay, on both shores of Union River Bay, on both shores of Patten Bay and both shores of Union River are shown as gravel and boulders on the Map Manuscript.

Shown on the Map Manuscript in disagreement with Nautical Chart No. 307 (Cont.)

A charted rock awash and a sunken rock at Smiths Ledge are shown as boulder areas.

A charted rock awash at Tupper Ledge is shown as a reef area.

Several charted rocks awash and sunken rocks on west side of Union River are shown as gravel and boulders.

A charted rock awash southwest of Weymouth Point is shown as gravel and boulders.

Several charted sunken rocks west of Weymouth Point are shown as gravel and boulders.

A small cove near Smiths Ledge is not charted.

Two small rocky islets on the west shore of Morgan Bay are charted as ledge areas.

Shown on the Map Manuscript but not charted

All buildings.

A ruins of a dam at Bayside.

More roads and trails.


All piers and cribbings.

• Several rock ledge areas.


Numerous rocks awash along the entire shoreline.

The following Geographic Names: Contention Cove, Loids Brook, Meadow Stream, Mill Cove, Patten Stream, Smalt Brook.

Respectfully Submitted:
July 30, 1946


Leroy A. Benasack
Engineering Draftsman

Approved and Forwarded:
August 7, 1946


William F. Deane
Chief of Party, C & G Survey
Officer in Charge
Baltimore Photogrammetric Office

Shown on the Map Manuscript in disagreement with Nautical Chart No. 307

Many charted rock ledge areas on the west shore of Morgan Bay, on both shores of Union River Bay, on both shores of Pattens Bay and on both shores of Union River are shown on the Map Manuscript as gravel and boulder areas.

A charted rock awash and a sunken rock at Smiths Ledge are shown as a boulder area.

A charted rock awash at Tupper Ledge is shown as a reef area.

Several rocks awash and sunken rocks on the west side of Union River are shown as a gravel and boulder area.

A charted rock awash southwest of Weymouth Point is shown as gravel and boulders.

Several charted sunken rocks west of Weymouth Point are shown as gravel and boulders.

A small cove near Smiths Ledge is not charted.

Two small rocky islets on the west shore of Morgan Bay are charted as ledge areas.

Note: For location see section of Nautical Chart No. 307 attached to this report. The features not revealed by photography have been indicated by a red ink line around the area in which they fall, and the features in disagreement have been indicated by a green ink line.

Respectfully Submitted:
July 30, 1946

Leroy A. Senasack
Leroy A. Senasack
Engineering Draftsman

Approved and Forwarded:
August 7, 1946.

William F. Deane
William F. Deane
Chief of Party, C & G Survey
Officer in Charge
Baltimore Photogrammetric Office

Division of Photogrammetry
Review Report of
Shoreline Survey Manuscript T-8565

Paragraph numbers used in this report refer to paragraph numbers in the descriptive report.

28 to 32. Compilation.-

The shoreline and planimetry shown on the map manuscript are complete and in accordance with project instructions, and no significant changes were necessary during the review except for the following.

The map manuscript showed a dashed line outside the ledge and low water lines, marked "reef" and "shoal". This line was placed on the map manuscript wholly from office interpretation of the photographs. Comparison with existing nautical charts indicates that this line showed no consistency with respect to soundings, and as this line would be of no value to the hydrographer, and because the compiler obviously did not have a clear understanding of the terms "reef" and "shoal", this line has been removed from the map manuscript, except where specifically noted by the field inspector or from photo interpretation.

The rock heights and symbols were changed to conform with Photogrammetry Instructions No. 3, dated December 23, 1946.

44. Comparison with Existing Topographic Surveys.-

This survey (T-8565) supersedes the following older U.S.C. & G.S. surveys in all common detail:

T-1494 1:10,000 1878-1879

Comparison has been made between map manuscript T-8565 and the following U.S.G.S. quadrangles and good agreement exists in all common detail except as noted under "Notes to the Reviewer" in the descriptive report:

U.S.G.S. Mount Desert Quadrangle, (Hancock County), Maine, 15' series, 1:62,500, edition of 1942.

U.S.G.S. Blue Hill Quadrangle, (Hancock County), Maine, 15' series, 1:62,500, edition of 1944.

45. Comparison with Nautical Charts.-

This manuscript was compared with U.S.C. & G.S. nautical chart number 307, edition of August 1943, corrected to August 1943, 1:40,000. Discrepancies between these maps are adequately discussed under item 45 and "Notes to the Reviewer" in the descriptive report.

This manuscript has not been applied to nautical charts. All corrections and additions have been shown on the manuscript in red acid ink.


Reviewed by:


Reviewed under direction of:


Howard W. Thune
Photogrammetrist 2/14/47

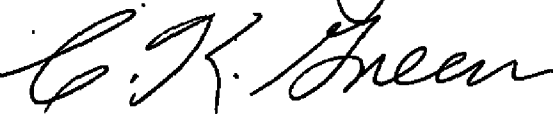

Chief, Review Section 3/14/47

APPROVED BY:


Technical Assistant to the
Chief, Div. of Photogrammetry


Chief, Nautical Chart Branch
Division of Charts


Chief, Div. of Photogrammetry


Chief, Div. of Coastal Surveys

COAST OF MAINE

PROJECT NO. CS-272

DESCRIPTIONS OF THEODOLITE STATIONS, TEMPORARY AND RECOVERABLE
PHOTO (TOPOGRAPHIC) STATIONS FOR THE AREA OF MAP MANUSCRIPT,
SURVEY NO. T-8565.

NUMBER OF THEODOLITE STATIONS	1
NUMBER OF RECOVERABLE PHOTO(TOPOGRAPHIC)STATIONS.	17
NUMBER OF TEMPORARY PHOTO (TOPOGRAPHIC) STATIONS.	<u>125</u>
Total Number of stations	- 143

Listed by Leroy A. Senasack
Leroy A. Senasack

Checked by Ruth E. Rudolph
Ruth E. Rudolph

- 200 South gable of gray shingled cottage on northeast side of cove. There is a little stick nailed on to the south gable of this house with a radio aerial on it. A flagpole with a fish made out of wood in yard to the west of the cottage.
- 201 . "CHIMNEY, 1945" - Station is the brick chimney on 2-story white cottage with black trimming. Chimney is on east corner of second story part of house. Porch is on southwest side of house. House is 17 meters in from Mean High-Water Line. Station is on the east shore of Union River Bay, about 2 miles south of Bayside. Recoverable Photo (Topographic) Station.
- 202 . Chimney at north gable of small 1-story cottage, 60' south of house described in 201.
- 203 . Top center of 12' high gray boulder that sets at edge of grass line and by end of wooden stairs running down from a gray shingled cottage. This boulder is at Mean High Water Line and largest in vicinity.
- 204 . South dormer on yellow green trimmed 2-story cottage named "La Veda". A stone wall running on west side of cottage on edge of shore. Large open porch on west and south side of cottage.
- 205 . Top center of light brown boulder. Boulder is about 15' out from Mean High Water Line. The boulder is only one in vicinity that is colored this way.
- 206 . West gable on gray cottage with blue trimmings on it. A 6' stick for aerial on west gable of cottage.
- 207 . Top of dark gray boulder with sharp pointing top on it that is approximately 15 meters from Mean High Water Line. A smaller rounded top black rock about 15' south of it.
- 208 . "CHIMNEY; 1945" - Station is brick chimney approximately in center of 2-story brown shingled house. There is another chimney on small section of house to southeast. House is trimmed in yellow and has yellow stairs up front of house which is in a large clearing. 32 meters to Mean High-Water Line. Station is on the east shore of the Union River Bay and approximately $1\frac{1}{2}$ miles south of Bayside. Recoverable Photo (Topographic) Station.
- 209 . Base of 20' evergreen tree on shore line.
- 210 . Top center of white round boulder 5 meters out from Mean High Water Line. Boulder is 6' in diameter, and only one in vicinity.
- 211 . Top of chimney at south gable of gray cottage with white trimmings. Large closed in porch on west front of cottage.
- 212 . Base of highest evergreen on point of land making out from shore. Tree is about 30' high.

213. Chimney on northeast side of low flat 1-story green house. Flagpole in yard to front of house.
214. Top center of gray round boulder with white lines running through it. Boulder is at Mean High Water Line.
215. Base of the westerly of two 50' evergreen trees. These two are about 20' apart and largest in vicinity. They are on a point of land making out to the northerly.
216. Base of 18' evergreen 6 meters in from Mean High Water Line at bight in small cove. This tree is growing 3' back in grass that runs along shore.
217. Chimney on white 2-story house. House is in open clearing on point of land that is visible for many miles. A closed porch on south side of house and an open porch on west of house.
218. Base of 25' spruce tree with roots hanging out over shore. Tree has been blazed to aid recovery.
219. Base of 40' evergreen growing from side of banking with a dead stump beside it. Roots project out from banking.
220. West gable of yellow 2-story cottage on south side of small cove. House has open porch running around it, and sets upon banking with rocks piled at front of banking.
221. "GABLE, 1945" - Station is west gable of 1-story white house on point of land at south side of Mill Cove. House is 12 meters in from Mean High Water Line. This house is about 30' long and 15' wide. Station is on east shore of Union River Bay. Recoverable Photo (Topographic) Station.
222. Black topped boulder that has white stripes running through it and leans towards the south. Boulder stands about 8' high and has smaller black rock northeast of it 3'.
223. Top center of large round grey boulder on east side of cove. Boulder has a diameter of about 12' and has a ring bolt in its west side.
224. Top center of round white boulder at Mean High Water Line. Boulder is about 6' in diameter, and is about 15' from shore line.
225. Top of pointed 12' boulder. Bottom is yellow brown and top is white granite color. Only boulder of its size in vicinity.
226. Top center of large 7' high slate colored boulder near southwest corner of large open field. Boulder is at Mean High Water Line. There is a pile of small rocks piled up at base of boulder on east side of it.

- 227 . Top center of round yellow-brown 5' diameter boulder. This boulder is to the northwest of a group of smaller boulders, and is the only boulder colored yellow-brown in vicinity.
- 228 . Base of 35' pine tree that is growing on shore and grass line. Tree has bushy top and just a little growing out of tree half way up.
- 229 . Northeast gable of red 2-story cottage built on banking overlooking ocean. Large closed in sun porch on west side of cottage. House is in two parts, northeast part and a lower southwest part.
- 230 . Top of large round 12' high boulder. Highest point on south side. Boulder is brownish and largest in vicinity.
- 231 . Highest point of white granite 5' boulder. Boulder is only one that is white, and is 6 meters off from Mean High Water Line.
- 232 . "GABLE, 1945" - Station is the south gable of 1½ story unpainted shingled house with green trimmings. House has open porch on west and south side. A garage 25' to the east of house. House is 12 meters in from Mean High Water Line. Station is on east side and at mouth of Union River, 1 mile north of Bayside. Recoverable Photo (Topographic) Station.
- 233 . Top center of large flat 4' boulder. Boulder is very rough with black marks running through it. There is a small brown shack 25' south of this boulder. Boulder is on Mean High Water Line.
- 234 . Top of pointed white top of reddish brown boulder about 25' offshore from tip of grass line. Boulder is 20' to the east of a pile of rocks making out from shore.
- 235 . Center top of white topped, reddish bottom boulder 1 meter outside of Mean High Water Line. This boulder 50' east of point of land making out to the east. There is a man-made breakwater and out haul about 20' to the southwest of boulder.
- 236 . Top center of very rough topped large gray boulder that setson Mean High Water Line. There is a spike driven into rock on south side with a pulley attached. Boulder is just to the west of cottage on shore.
- 237 . Top of very large 12' diameter round boulder that is 12 meters out from Mean High Water Line. This boulder is largest in vicinity and has a very whitish point on tip of it.
- 238 . Top of dark pointed top boulder just seven meter from tip of grass making out to the northwest. This boulder has a shelf making out of it on the northwest side of it. Boulder is one meter outside of Mean High Water Line.

- 239 N.W. corner of old wooden pier making off from field where boats are stored in winter. This pier runs out to the east and is in neck of cove.
- 240 Chimney on north gable of reddish brown house at neck of cove.
- 241 Top of dark gray rock that slants 45° with the flat side of top facing the south. Sharp point, pointing to the north. This boulder is on grass line.
- 242 Point of sharp pointed boulder that is split in two and has other half laying beside it. This boulder is largest in vicinity, and is a reddish brown color.
- 243 "Chimney, 1945" - Station is brick chimney in center of brown 1-story house with yellow trimmings. House sets on side of State Highway No. 102, and head of cove overlooking boat yard. Small shed on west side of house. Station is on east side of Union River and about $1\frac{1}{4}$ miles north of Bayside. Recoverable Photo (Topographic) Station.
- 328 South gable of yellow house with red trimmings. This house is at neck of cove, on south side of under-pass of highway.
- 329 Chimney on gray 2-story house on westerly side of cove. House nearest gully under-pass, under road.
- 330 Chimney on white cottage on point. Cottage is 2-stories and has an odd design on front of it.
- 331 Chimney in middle of brown cottage in small cove. Cottage has green blinds on second floor on southeast side where it has two dormers on roof slope.
- 332 Very large twin evergreen tree on point with no other evergreen anywhere near its size near it. This tree about 70' high and a decidedly twin tree.
- 333 Top center of largest gray boulder in vicinity. This boulder is about 2 or 3 meters southeast of a patch of grass growing in water. Very tall evergreen tree on shore to the north of it.
- 334 "Chimney, 1945" - Station is stone chimney at southeast gable of brown cottage with dark red roof. Cottage is setting on sloping lawn and has a porch to southwest. There is a 25' evergreen tree on front lawn. House is $27\frac{1}{2}$ meters inshore from Mean High Water Line. Station is on North shore of Pattens Bay, about $\frac{1}{2}$ mile west of Contention Cove. Recoverable Photo (Topographic) Station.

- 335 . Top highest part of broken boulder which is split in two just at foot of a jagged ledge.
- 336 . Highest point of large boulder with another smaller one leaning against it on its west side. These two boulders lay just to west of large patch of grass.
- 337 . Top point of pointed white topped boulder just northwest of wreck.
- 338 . "Beacon, Fullerton Point, 1945" - Station is Fullerton Point Beacon, a red cage (egg shaped) on iron spindle. Spindle is on a ledge bare at Mean Low-Water. Station is on the east side of, and near the middle of Union River, about 1 mile north of Weymouth Point. Recoverable Photo (Topographic) Station. Also Non-Floating Aid to Navigation.
- 339 . North chimney of white house with green trimmings. House has large unpainted barn a few meters northeast of it. House on east side of highway.
- 340 . Red brick chimney on small unpainted shed attached to smaller shed with a 6' steel smoke stack. These sheds set up on a 15' dirt banking.
- 385 . Base of 35' evergreen tree which is the last and most southerly of a string of evergreen trees along shore.
- 386 . Base of tallest evergreen in vicinity, around 65' tall and to the east of a high dirt banking.
- 387 . Most southeasterly of a group of evergreens on point.
- 388 . "PONY 1945" - Station is bronze disk stamped "Pony, 1945" cemented in drill hole in top center of large, tall, sharp pointed boulder. Boulder is only tall boulder with sharp top in vicinity. This boulder is about 20 meters south of patch of grass. There are two other boulders lying alongside of station about 12 meters off Mean High-Water Line. Station is on west shore of Union River, on point of land making out to southeast, about 3/4 of a mile north of Weymouth Point. Recoverable Photo (Topographic) Station.
- 389 . Top of wooden logged summer house sitting on side of banking.
- 390 . Top center of large gray boulder sitting on top of ledge. There are four small rocks wedged under this boulder on the southeast side of it, holding it up.

- 391 - South gable of white white with green trimmings. There is a flagpole on this gable. House has four windows on second story on south end of it. Open porch on south and west side of house.
- 392 - Center top of 7' long and 15' long ragged boulder sitting one meter outside Mean High-Water Line. Largest boulder in vicinity.
- 393 - Base of very large heavy trunked evergreen tree with broken limb on west side about 3' up from base of tree. The trunk is approximately 3' in diameter and is the heaviest tree in vicinity. Tree is about 45' tall growing on side of banking.
- 394 - West corner of brown 1-story cottage with flagpole attached to this west corner. House has green trimmings and also has a wooden unpainted stairway running down to shore. At foot of stairs there is a ledge sloping down on beach under cottage.
- 395 - Top of white boulder that sits on grass line inside of Mean High Water Line, about four meters. There is a very peculiar shaped boulder five meters southwest of this white boulder. There is a pointed arm on this boulder, pointing southwest of this white boulder which is mark.
- 396 - "FACE, 1945" - Station is bronze disk stamped "Face, 1945" cemented in drill hole in top center of round, white, 6' diameter boulder. Boulder is largest in vicinity and is 9 meters out from Mean High Water Line. There is a large grass patch on shore approximately 30 yards northwest of this boulder. Boulder bare 1" at Mean High-Water is south southwest of station. Station is on north shore of Union River Bay about 3/4 mile west of Weymouth Point, Recoverable Photo (Topographic) Station.
- 397 - Base of 25' evergreen tree sitting on shore and grass line. This tree is about 5' west of another tree of the same size and is in west corner of a large open field.
- 398 - Top of white round 5' high boulder at Mean High-Water Line, and sitting southeast about 35' from a wooden fence running down shore from a field.
- 399 - Base of 25' evergreen tree 7 meters inside of Mean High Water Line. This tree grows down on shore about 12' from grass line, and is only tree that is down this far on shore. Tree is farthest out on southeasterly point of land.
- 400 - "NECK, 1945" - Station is bronze disk stamped "Neck, 1945", cemented in top center of round, yellow-brown, granite boulder, about 5' diameter. Boulder is on dark gray ledge and about 2 meters south of Mean High-Water Line. It is about 21 meters west of Mean High-Water Line at extreme southeast tip of ledge. Boulder is conspicuous due to light color on dark ledge. Station is located on Weymouth Point. Recoverable Photo (Topographic) Station.

- 401 · Top center of yellow brown boulder that is just to the east of a 35' steep cliff with several trees growing on top of it. This boulder is quite large and fairly round with a large flat topped boulder with seaweed growing on top of it 35' northeast of it.
- 402 · Base of 25' evergreen growing at shoreline and grass line. This tree is on west end of a banking that has a lot of other similar trees growing on it. This tree has been blazed to aid recovery.
- 403 · Top center of largest gray boulder off the point of banking about 20'. Boulder is just east of banking. There are other rocks around this boulder but much smaller. Boulder has a small crack running through top of it. There are 3" stripes running lengthways through boulder.
- 404 · Top of white topped boulder with reddish brown boulder about 8' tall and approximately 75 meters north of a fence running down shore from edge of trees. This boulder is 3 meters out from Mean High Water Line and about 20' southwest from low large flat topped ledge. Ledge dark brown colored.
- 405 · Top of yellow brown flat topped boulder about 2' high and 5' long. Boulder is on Mean High Water Line and sits in among a lot of other rocks. There are three good sized rocks piled on top of this boulder to aid its recovery.
- 406 · Base of large 65' high evergreen tree at head of cove on east side.
- 407 · Southeast corner of offshore end of log cribbing.
- 408 · Base of 35' evergreen directly in front of brown cottage. There is a fence nailed to tree and trees is growing on edge of banking.
- 409 · "GAELE, 1945" - Station is the east gable of white cottage with trimmings. Cottage has red roof, and sets all alone, near shore. Station is on western shore of Union River Bay about 1½ miles south of Pattens Bay. Recoverable Photo (Topographic) Station.
- 410 · Top of large 7' high round white topped boulder, largest in vicinity. This boulder is about 50' northeast of large birch tree growing on edge of banking.
- 411 · East gable of small unpainted shack with a tin stove smoke stack in the roof of it. Shack sets in southeast edge of field and up on a bank from shore. There are 4 birch trees 10' in front of it.
- 412 · Northeast highest of large white house west of open field and across highway. Barn to south of it.
- 413 · South gable of unpainted shack at edge of field and just above shore line on banking.

- 414 . Center of flat topped red brown boulder that sits between two others. This is the only flat topped boulder in vicinity.
- 415 . Top of white $3\frac{1}{2}$ ' high boulder 75 meters approximately from field line. (Boulder is south of field line). Boulder is in center of patch of grass line and about 4 meters outside Mean High Water Line.
- 416 . Top of flat top flaring topped white boulder that is east a few yards from bare spot running along banking on east side of a large open field. This boulder is near the southeast corner of the field.
- 417 . "LION, 1945" - Station is bronze disk stamped "LION, 1945" cemented in top center of large boulder that is about 6' high and 10' long. Top of it is roundy and is 6 meters out from Mean High Water Line. Boulder is largest in vicinity. It is about 30 meters northeast of end of fence at field line. Station is on west shore of Union River Bay, about 1/2 mile south of Pattens Bay. Recoverable Photo(Topographic) Station.
- 418 . Center of top of a yellow brownish boulder that sits in between two large grass spots.
- 419 . Top center of dark brown boulder with sloping north side. This boulder is at mouth of small stream emptying into bay.
- 420 . Top center of 4' high white topped boulder 1 meter outside of Mean High Water Line. There are a clump of birch trees about 25' southwest of this boulder growing at edge of tree line.
- 421 . Base of tall 40' ^{leaning} evergreen tree, at base of a 25' knoll. This tree has no branches up to the last 15' of tree which has.
- 423 . Top of cupola on large white barn in large open field upon side of hill. This cupola has a weather vane on it. Only barn in vicinity.
- 424 . Base of 20' evergreen tree sitting by itself on edge of water and grass. Roots projecting on tree.
- 425 . Steeple on yellow church sitting on top of hill.
- 426 . Base of 60' evergreen tree largest in vicinity. Tree sitting on edge of banking.
- 427 . Top center of large gray boulder at Mean High Water Line. Largest in vicinity.
- 428 . West gable of unpainted shack sitting on rocks on shore.
- 429 . Base of 10' evergreen growing on point of land making out to the southwest with a large gray boulder on its tip.

- 430 . Cupola on white barn with green roof sitting up from field on top of hill on north side of cove. Cupola has a weather vane on top of it.
- 431 . South gable of white house with red trimmings sitting next to highway.
- 432 . Cupola on old unpainted barn sitting in field about 70 meters above Mean High-Water Line.
- 433 . Base of 12' evergreen tree sitting by itself on south side of cove 20 meters in from Mean High-Water Line.
- 434 . Base of lone evergreen on tip of land making out to the south into bay. Tree sits at base of a gray ledge.
- 435 . "GABLE, 1945" - Station is south gable of brown cottage with green roof and trimmings. Weather vane at south gable. Station is a $1\frac{1}{2}$ story cottage with two windows on south end and an open porch on south and east sides. There is a large group of evergreen trees starting 20' south of cottage. Station is on north shore of Pattens Bay about $\frac{1}{2}$ mile east of Surry. 42 meters in from Mean High Water Line. Recoverable Photo (Topographic) Station.
- 436 . Top of a very rough gray large boulder covered with moss. Boulder sits at end of point off shore.
- 437 . Base of overhanging evergreen tree. The farthest one out on small bare dirt point running down from 12' bank.
- 438 . Top of the largest in a group of fairly large boulders. This boulder is 1 meter outside of Mean High Water Line and has a white top and a pointed top.
- 439 . Base of 30' evergreen tree growing at edge of tree line at shore line. Roots of this tree are projecting. Tree is 5 meters in from Mean High Water Line. There is a large oak tree 20 meters south of this tree growing on grass and tree line. Tree has been blazed.
- 440 . Off shore tip of large piece of gray ledge. Largest in vicinity. There are a lot of rock piled to the west of this ledge. Ledge has a fairly flat top sloping down towards water. Ledge tip 2 meters outside Mean High Water Line.
- 441 . "GABLE, 1945" - Station is the northeast gable of 1-story white house with green roof and trimmings. This house has a stone wall surrounding the banking on the east side. Also there are birch trees growing along east side of house and banking. Station is on west shore of Union River Bay about $\frac{1}{4}$ mile west southwest of Smith Ledge. This gable of house is 14 meters in from Mean High-Water Line. Recoverable Photo (Topographic) Station.

- 442 Base of largest evergreen in vicinity of a group of evergreens growing along grass and shore line. This tree is 8 meters in from Mean High-Water Line. Roots of this tree are projecting and it has a 2' diameter trunk.
- 443 Top of round white 4' diameter boulder sitting on fence off dark brown ledge. Boulder sitting on Mean High Water-Line. Another white topped boulder about 6 meters north of the first boulder. The higher and larger of the two is the mark.
- 444 Top center of very large black round about 12' diameter boulder sitting about 2 meters in from Mean High Water Line. There is a smaller boulder wedged under base of boulder on the south of it. Largest boulder in vicinity.
- 445 Top center of brown 5' diameter boulder sitting about 2 meters outside of Mean High Water Line. There is moss growing on top of this boulder.
- 446 Top center of a very white 6' high boulder sitting 2 meters east from Mean High Water Line. Boulder sitting on northeast end of a long gray broken ledge.
- 447 Top of brown boulder sitting by itself on center of seaweed patch. This boulder has a rather pointed top and is only one of its size in vicinity, it being largest one.
- 448 Top of center of a white boulder at Mean High Water Line. Boulder sits on a point making out to the south. There are a pile of small boulders piled just north of boulder against foot of banking.
- 449 Top center of round 6' diameter boulder with a white top and dirty yellowish bottom. This boulder sits approximately 100' northeast from end of field and out on bench. Boulder sits 7 meters out from Mean High Water Line. Boulder sitting on westerly edge of dark brown ledge.
- 450 "CHIMNEY, 1945" - Station is the taller of two white chimneys on 1½-story house with green trimmings. Chimney has black stripe and is about the center of main section of house. Two white posts at head of driveway. House has 4 windows on southeast side and is very conspicuous to seaward. Station is on west bank of Union River Bay, just south of Carrying Place. 52 meters to Mean High Water Line. Recoverable Photo (Topographic) Station. *Landmark, Chart 307, (1948)*
- 451 Base of 40' evergreen tree which is the most northerly of a group of evergreen trees growing along shore. This tree has about an 18" diameter trunk and is nicely shaped.
- 500 Top of a 4' white boulder 4 meters inside of Mean High-Water Line. This boulder is sitting on top of ledge and boulder is at grass line.
- 501 Overhanging white topped ledge about 20 meters north of small wooded point and has a rock piled on it to aid recovery. Ledge tip is at Mean High-Water Line.
- 502 Base of the largest and most northwesterly of a group of evergreen trees

on point. This tree is about 40' tall and is quite heavy limbed and branched. This tree sets on a ledge on end of point.

- 503 "SOUP, 1945" - Station is bronze disk stamped "SOUP, 1945" cemented in ledge point 1' out from group of rocks on northwest tip of grass on small point. Station is on east shore of Morgan Bay on point of land east of Carrying Place. This is 3 meters in from Mean High Water Line. Recoverable Photo (Topographic) Station.
- 504 North tip of ledge which is white and has a pile of rocks piled up on to aid recovery. This point is on Mean High Water Line.
- 505 Base of leaning 30' evergreen tree growing on grass line and leaning so to overhang the shore. The base of this tree has been blazed to aid recovery. Tree is 4 meters in from Mean High Water Line.
- 506 Base of a large 100' pine tree at head of cove. This tree is largest in cove and is to the north of small brook running into cove.
- 507 Base of tallest 18' evergreen tree on sharp point of land. This tree has been blazed.
- 508 Base of the easterly of two twin evergreen trees about 50' tall and 7' from one another.
- 509 Base of twin 40' evergreen tree. This is a lone evergreen tree and has no other evergreen tree near it. This tree is about 10 meters in from Mean High Water Line.
- 510 Base of a 15' maple tree growing on grass line and 6 meters northeast from low flat ledge. There is a white lobster trap buoy hung up in tree.
- 511 "FOUL, 1945" - Station is bronze disk stamped "FOUL, 1945" cemented in ledge, 1' south from stone foundation on southeast side of bridge and 4 meters southeast of southeast side of bridge opening. Station is on north shore of Morgan Bay, 1 meter in from Mean High Water Line. Recoverable Photo (Topographic) Station.
- 524 Center of large white top boulder.
- 552 Top of a reddish brown boulder with pointed top. Largest boulder in vicinity. This boulder is 9 meters out from Mean High Water Line. There is a bare patch to the northwest of boulder that is a break in shore line.
- 553 Top center of a 2' high white topped boulder just inside of Mean High Water Line. This boulder is just on edge of a cluster of trees and small pile of rocks.

- 554 . Top of a reddish colored boulder, that is 13 meters off tree line and 4 meters outside of Mean High Water Line. Largest boulder on point. A flat ledge running out to water to the south of boulder.
- 555 . The southeast gable of large 2-story house. House is white with green trimmings, and has a stone wall on seaward side of it. This southeast gable has 4 windows under it and a stone chimney on side of roof of this gable. Small garage to south of house.
- 556 . Top center of large white topped boulder with black side on the south. Boulder is about 10' tall and on Mean High Water Line.
- 557 . Base of a 35' evergreen tree standing alone and to the northeast of a heavy cluster of trees. Tree is at head of cove.

"TENT, 1944" - Station is located on the northern side of Patten's Bay, about 2 miles east of Surry, 1 mile west of Weymouth Point, and about 700 meters east of Contention Cove that makes up to the highway, on a small point in the general trend in the shoreline, 2 meters back of the Mean High Water Line and 2 meters southwest of a 3' boulder on beach. Mark is a standard disk stamped "TENT, 1944" set in ledge rock. Theodolite Station.

NOTES
FOR
HYDROGRAPHIC PARTIES

COAST OF MAINE

MAP MANUSCRIPT, SURVEY NO. T-8565

Project No. CS-272

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

The outline of shoal and sunken reef areas are approximate and for your advance information only. They are shown with long dashed and short dashed black acid ink lines, respectively.

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

The very small black acid ink circles accompanied with the note "Sub. Station" are the positions of Substitute Stations. A brief description of the Substitute Stations may be found on Pricking Cards, Form No. M-982-1 submitted to the Washington Office.

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

Lord Rock and Smith Ledge (Geographic name has been shown on the Map Manuscript in the approximate position.)

Tapper Ledge. (Geographic name and approximate position of the area have been shown on the Map Manuscript.)

All floating aids to navigation within the area of the survey.

Three sunken rocks on the north side of Pattens Bay about midway between Surry and Contention Cove.

One rock awash about one mile west of Weymouth Point.

One rock awash on the west side of Union River about a mile north of Weymouth Point.

Several sunken rocks on east side of Union River near Fullerton Point Beacon.

One rock awash on the west side of Morgan Bay, north of Smelt Brook.



East Surrey

Weymouth Pt.

Tupper Lodge

Lord R.

Bayside

49 Smith's Lodge

SURREY

Carrying Place

