

8647

Diag'd. on Diag. Ch. No. - 1202

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Petit Manan Office No. T-8647
Quad. CS-272-F

LOCALITY

State Maine

General locality Coastal Area

Locality Gouldsboro Bay to Pigeon Hill Bay

1944-48

CHIEF OF PARTY

Dale E. Sturmer

LIBRARY & ARCHIVES

DATE

May 24-1949

B-1870-1 (1)

8647

DATA RECORD

T- 8647

Quadrangle (II): Petit Manan, Maine

Project No. (II): CS-272-F

Field Office: Millbridge, Me.

Chief of Party: Dale E. Sturmer

Compilation Office: ^{Baltimore, Md.}

Chief of Party: Thos. B. Reed

Instructions dated (II III):
June 19, 1945.Div. of Photogrammetry
Office Files
Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: 12-9-48

Reported to Nautical Chart Section:

Reviewed: 1-26-48

Applied to chart No.

Date:

Redrafting Completed:

Registered: 4-21-49

Published:

Compilation Scale: 1:10,000 (Multiplex scale 1:8500)

Published Scale: 1:24,000

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927

Datum Plane (III): Mean Sea Level

Reference Station (III): Eagle Hill, 1861

Lat.: 44° 27' 33.013"

Long.: 67° 55' 46.517"

Adjusted
~~Used~~

State Plane Coordinates (VI):

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-816 to -830	5-16-44	0945 and 1000	1:20,000	1.0' to 1.6' above MLW
44-C-851 to -858	5-16-44	1030	"	0.6' above MLW
44-C-2105 to 2109	6-23-44	1130	"	9.7' above MLW

Tide from (III): Pigeon Hill Bay; Good Pt., Dyer Bay; Jetteau Pt., Gouldsboro Bay; Indian Harbor and Prospect Harbor.

Mean Range: 10.5' to 11.1' Spring Range: 12.0' to 12.7'

Camera: (Kind or source)
U.S.C. & G.S., "C", 6" Metrogon Lens

Field Inspection by: Field Inspection Party of
Dale E. Sturmer

date:
Season, 1945

Field Edit by: S. J. Hathorne

date: Aug 10, 1948

Date of Mean High-Water Line Location (III):
July 1945 to October 1945

Projection and Grids ruled by (III) S. Rose

date: 12-26-45

" " " checked by: "

date: "

Control plotted by: N.S.S. & B. Wilson

date: Nov. 1946

Control checked by: R. J. F., B. Wilson, and H. P. Eichert

date: Nov. 1946

Radial Plot by: None, bridged with multiplex

date: Feb. 1947

Multiplex Detailed by: A. K. Heywood, E. L. Bauman, and A. C. Rauck, Jr.
Shoreline detailed by: Mildred T. Jacob

date: Apr., July, & Sept. 1947
date: Feb. 1948

Reviewed in compilation office by:
A. C. Rauck, Jr.

date:
April 1948

^{manuscript}
Elevations on ~~Field Edit~~ Sheet
checked by: A. C. Rauck, Jr.

date: April 1948

STATISTICS (III)

Land Area (Sq. Statute Miles): 37

Shoreline (More than 200 meters to opposite shore): 67 statute miles

Shoreline (Less than 200 meters to opposite shore): 2 statute miles

Number of Recoverable Topographic Stations established: 34
2 of these horizontal control stations.

Number of Temporary Hydrographic Stations located by radial
plot: 262

multiple models
Leveling (~~horizontal control~~) - miles: See, Descriptive & Seasons
Report Project CS-272-P, Dec. 26, 1945, Dale E. Sturmer.

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:

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MAP T-8647

PROJECT NO. CS-272-F

SCALE OF MAP 1:10,000

SCALE FACTOR 1.00

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR U-COORDINATE LONGITUDE OR X-COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
			°	"	FORWARD	(BACK)		FORWARD	(BACK)	
DYER, 1861	U.S.C. & G.S. G.P. List	N.A. 1927	44	24	42.515			1312.2	539.8	
			67	56	02.858			63.2	1264.4	
S.S. DYER, 1861	"	"	44	24				1316.9	535.1	
			67	56				80.1	1247.5	
BRIG, 1945	"	"	44	26	55.252			1705.5	146.5	
			67	58	58.533			1294.2	32.8	
S.S. BRIG, 1945	"	"	44	26				1731.5	120.5	
			67	58				1280.5	46.2	
COREA, 1934	"	"	44	24	11.459			353.7	1498.3	
			67	58	40.432			894.7	433.1	
S.S. COREA, 1934	"	"	44	24				309.1	1542.9	
			67	58				852.8	475.0	
COREA, CH. SP., 1902	"	"	44	24	05.865			181.0	1671.0	
			67	58	37.725			834.8	493.0	
EAGLE HILL, 1861	"	"	44	27	33.013			1019.0	833.0	
			67	55	46.517			1028.4	298.3	
GOULDSBOROUGH BAY OF, WEST CH'Y. OF HOUSE, 1861	"	"	44	27	57.60			1777.9	74.1	
			67	59	34.66			766.2	560.1	
NEWMAN, 1861	"	"	44	25	13.815			426.4	1425.6	
			67	58	40.656			899.4	428.0	
S.S. NEWMAN, 1861	"	"	44	25				425.6	1426.4	
			67	58				904.0	423.4	
NICK, 1945	"	"	44	28	27.941			862.5	989.5	
			67	58	31.815			703.2	623.1	

M-2388-12

DATE Winter 1946-1947

DATE Winter 1946-1947

CHECKED BY: S.W. Trow, A.K. Heywood
E.L. Bauman

DATE Winter 1946-1947

COMPUTED BY: S.W. Trow, A.K. Heywood

MAP T-8647

PROJECT NO. CS-272-F

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR LONGITUDE OR ϕ - COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
S. S. NICK, 1945		N.A. 1927	44 28				817.1	1034.9	
			67 58				745.7	580.4	
° PEARL, 1861	USC&GS GP Sheets	"	44 23	37.270			1150.4	701.6	
			67 59	17.924			396.7	931.3	
S.S. PEARL, 1861		"	44 23				1135.4	716.6	
			67 59				441.9	886.1	
° PIGEON, 1855	"	"	44 27	18.160			560.6	1291.4	
			67 53	24.122			533.3	793.4	
S.S. PIGEON, 1855		"	44 27				571.4	1280.6	
			67 53				570.7	756.0	
° PETIT, 1945	"	"	44 23	44.890			1385.6	466.4	
			67 53	55.659			1231.8	96.4	
S. S. PETIT, 1945		"	44 23				1393.4	458.6	
			67 53				1185.2	143.0	
ROGERS PT., WEST CHY. OF HOUSE, 1861	"	"	44 28	20.91			645.4	1206.6	
			67 58	21.51			475.4	850.7	
° STEUBEN, 1934	"	"	44 29	26.761			826.0	1026.0	
			67 55	31.090			686.9	639.0	
S.S. STEUBEN, 1934		"	44 29				783.1	1068.9	
			67 55				711.4	614.2	
S.S. EAGLE HILL, 1861		"	44 27				1017.6	834.4	
			67 55				1031.5	295.0	
25									

1 FT. = 3048006 METERS
 COMPUTED BY: S.W. Trow, A.K. Heywood

DATE Winter 1946-1947

S.W. Trow, A.K. Heywood,
 CHECKED BY: E.L. Bauman

DATE

Winter 1946-1947

M-2388-12

FIELD REPORT

TOPOGRAPHIC MANUSCRIPT T - 8647

There is no individual field report for this Survey. Refer to Descriptive and Seasons Report, Project CS-272-F, Coast of Maine, July-November 1945, December 26, 1945.

Filed in Div. of Photogrammetry - General Files

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26. CONTROL:

Horizontal control for bridging the area of this map is believed to be adequate. Refer to Compilation Report, Project CS-272-F, Coast of Maine, dated December 1, 1947. Filed in Div. of Photogrammetry-General Files

A list of horizontal control for this survey is herewith attached.

27. RADIAL PLOT:

Inapplicable.

28. DETAILING:

The detailing of this map manuscript was started prior to the issue of Photogrammetry Instructions No. 17, September 15, 1947. Insofar as new standards of colors of inks, weights of lines, and manuscript symbols are concerned, it is not up to date.

29. SUPPLEMENTAL DATA:

None.

30. MEAN HIGH WATER LINE:

The location of the mean high water line on the field photographs was verified by stereoscopic means.

For a detailed description of method of compilation of mean high water line refer to "Shoreline and Hydrographic Station Location", Compilation Report, Project CS-272-F, Coast of Maine, December 1, 1947. Filed in Div. of Photogrammetry-General Files

31. LOW WATER AND SHOAL LINES:

As per the "Descriptive and Seasons Report" for this project, July - November 1945, dated December 26, 1945, all low water lines shown are not positive. Low water lines not believed to be within 10 meters of correct position have been labeled "Approx. MLWL". Others, of more positive identification, are labeled "MLWL".

The field inspector's stereoscopic interpretation of low water line was shown on the field photos by a series of white dots. In areas where no positive low water line was shown by the field party these white dots were used and shown as "Approx. M.L.W.L."

Where the field inspector defined the position of the low water line and showed the white dots also, ^{the white dots} these were used to indicate the limits of shoal areas. Other shoal areas delineated on the map manuscript are the compiler's interpretation from the field photographs.

See Review Report.

32. DETAILS OFFSHORE FROM THE HIGH WATER LINE:

Adjacent to the channel in Joy Bay just north of Gouldsboro Bay, are numerous areas to be investigated by the hydrographic survey. Refer to Descriptive and Seasons Report, Project CS-272-F, July-November, 1945, dated December 26, 1945, and Notes for the Hydrographic Parties on the Field Inspection of Aerial Photographs, Project CS-272-F, dated January 25, 1946. Filed in Div. of Photogrammetry - General Files

33. WHARVES AND SHORELINE STRUCTURES:

No wharves or shoreline structures other than those indicated by the field party were encountered during examination of the photographs. Refer to Piers and Wharves, Notes for the Hydrographic Parties on the Field Inspection of Aerial Photographs, January 25, 1946.

34. LANDMARKS AND AIDS TO NAVIGATION:

It is unusual that there are neither landmarks nor aids to navigation along the extensive shoreline of this area. *none*

35. HYDROGRAPHIC CONTROL:

Refer to Compilation Report, Project CS-272-F, December 1947. Some photo-hydro points which could not be seen in the multiplex models were later cut in by radial resection. When both of these methods proved inadequate it was necessary to reject the point. All phot^o-hydro points which could not be picked accurately were rejected and indicated as such on the field photos.

A list of photo-hydro points on this map manuscript is attached to this report.

The photo-hydro points which could not be plotted are 1093, 1094, 1100, 1101, 1115, 1118, 1187, 1302, 1323, 1327, 1358, 1362, 1369, 1422, 1453, 2855, and 2859.

36. LANDING FIELDS AND AERONAUTICAL AIDS:

None.

37. JUNCTIONS:

Satisfactory junctions were completed with the following:

- To the north with map manuscript for Survey T-8643
- To the east with map manuscript for Survey T-8648
- To the west with map manuscript for Survey T-8588 & T-8589.
- To the south is the Atlantic Ocean.

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38. GEOGRAPHIC NAMES: ⁸¹⁴ Approved list filed in Geographic Names Section

Geographic names were taken from U.S.C. & G.S. Chart No. 305, March 1931 (fourth edition).

^{USBN decision 1932}
Corea Harbor is the only name in question. Corea Harbor appears on Chart No. 305 and in the U.S. Coast Pilot. Disputing this name is Indian Harbor which appears on the U.S. Geological Quadrangle Petit Manan, and in the Tide Tables, Atlantic Ocean.

Although no geographic name data was furnished the compilation office, a list has been compiled and accompanies this report.

39. BOUNDARIES:

The Millbridge-Steuben town line which lies at the northeast corner of this map has not been completed, nor has the Wash.-Hancock County line been shown. Inadequate information from the field party necessitates further investigation by the field edit party. This has been noted on the map manuscript.

The Special Report, Boundaries, Maine, July, 1946, does not include this survey.

Boundary completed during Field Edit.

40. VERTICAL CONTROL:

Located at the west side of Bobby's Creek at the northeast corner of this survey is vertical control point P.M. 23, elevation 18.5'. This could not be held when leveling the multiplex model. Other trigonometric elevations and water surfaces in the same area were held and the area contoured.

It is recommended that P.M. 23 be investigated during field edit.
See Field Edit Report.

Refer to Vertical Control, Compilation Report, Project CS-272-F Coast of Maine, Dec. 1947.

41. REMARKS:

The horizontal accuracy of the planimetric and hydrographic detail and the vertical accuracy of topographic features set forth on this map manuscript are believed to be within the limit of error set forth under War Mapping Project CS-290, dated November 16, 1942.

Multiplex models 44-C-817 to 823 were used for completion of planimetry but contours could not be drawn due to warped models. The center portions of these models read approximately 16 to 30 feet high.

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41. REMARKS (Continued):

This strip is to be reflown and the area contoured at a later date. An addenda to this descriptive report will be submitted upon completion of this area. Has been submitted + attached to this Desc Report.

Because of the small number of discrepancies on this map, no discrepancy overlay was prepared. Field edit notes have been lettered on the map manuscript.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Comparison with U. S. Geological Survey Petit Manan Quadrangle showed the following differences:

Much larger swamp or bog area west and north of Corea than delineated on map manuscript.

Map manuscript shows additional culture at Yellow Birch Head and Over Point.

Bog areas at Dyer Point and Petit Manan Point not shown on U.S. Geological Quadrangle.

No bog area in the northeast corner of the map manuscript as shown on the U. S. Geological Quadrangle.

Road northeast of Hog Island at north limit of map manuscript not shown on U. S. Geological Quad.

In general, topography and culture are in agreement.

45. COMPARISON WITH NAUTICAL CHARTS:

Comparison with a projected enlargement of U.S. Coast and Geodetic Survey Chart No. 305, first edition 1888, fourth edition published March 1931.

Shoreline in general was in good agreement.

The nautical chart indicates several small recessions in the shoreline at Cranberry Point which are not shown on the map manuscript.

Several changes in placement of shoreline appear at the small peninsula and bay south of Long Mill Cove. The peninsula has shifted to the south of the charted position, and the shoreline of the bay has changed considerably.

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45. COMPARISON WITH NAUTICAL CHARTS (Continued)

The small isthmus connecting Young Point with the mainland is much wider than its charted width.

Several islands of the Sally Islands group are generally displaced from their charted position.

Of this group, Western Island, Outer Bar Island, and Sally Island are displaced northeasterly, but Bar Island is displaced in a southerly direction. Sheep Island is in its charted position but a small section of its southern shoreline is displaced.

The shoreline at the extremity of Rogers Point has receded from its charted position.

The area between Shag Ledge and Point Francis is foul with rock ledges which are not charted. These rock ledges are the compilation office' interpretation and are to be investigated.

The cable crossing to Petit Manan Lighthouse has evidently been moved. The field inspection party indicated this cable crossing at Chair Pond Head while it is charted at Wood Pond Cove.

Stone Horse Ledge, south of the Sally Islands group was traced on the map manuscript from an enlarged projected image from chart 305. This is only an approximate position and is to be investigated.

~~Stone Horse Ledge~~ Ledge not visible on photographs. Position shown by the depth curves.
It is believed that, upon completion of field edit and hydrography, the intricate shoreline detail and other hydrographic features of this map manuscript should supersede all other charted data in the area of this survey.

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Respectfully submitted

Albert C. Rauch, Jr.
Engineering Draftsman
Descriptive Report and Review

Stanley W. Trout
Supervisor

Melvin T. Jacob
Photogrammetric Aid

Approved and forwarded

Thos B. Orr
Officer in Charge
Baltimore Photogrammetric
Office

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FIELD EDIT REPORT

PROJECT CS-272-F

QUADRANGLE T-8647

Riley J. Sipe, Chief of Party

Field edit of T-8647 was accomplished in accordance with Field Edit Instructions, dated 24 August 1945, and Supplement I, dated 4 February 1946. Actual field work was performed by Stanley J. Hathorn, Photogrammetrist, during the period 21 July - 6 August 1948, and under the supervision of George E. Varnadoe, Topographic Engineer.

46. Methods: Field edit was accomplished by riding out all passable roads; and walking to other areas in which the reviewer requested information, or where the field editor suspected a weakness in the compilation. Plane table and tape methods were used to ~~locate~~ corrections and additions not shown on the photographs. Red ink was used to show corrections and additions on the photographs and field edit sheet; green ink for deletions; and violet ink for vertical accuracy tests.

The reviewer's questions were answered on the discrepancy print whenever possible. Other work was shown on the photographs or field edit sheet. All work shown on the photographs is properly reference along with the photograph number on the discrepancy print or the field edit sheet.

47. Adequacy of Compilation: The map compilation is believed to be adequate with the exception of the delineation of woodland cover (See Field Edit Report for T-8641, par. 47(1)), and for certain other minor items corrected by the field editor. See Addendum to Compilation Report.

It is recommended that the new photographs to be flown for the future multiplex contouring of Petit Manan Point be used as a final check of the woodland delineation in that area.

Woodland cover was classified in accordance with Photogrammetry Instructions No. 15, dated 16 July 1947.

48. Accuracy Tests: The vertical accuracy test requested in the NW corner of the quadrangle was run by planetable with results that showed that the contour positions and

expression in that area were highly accurate. A few insignificant changes in contours were noted along with the profile elevations shown on the field edit sheet. This traverse was run between two trig. level elevations and there was no appreciable horizontal or vertical error of closure.

A plane table profile was run as requested by the reviewer across Petit Manan Point as a check against future multiplex work, and elevations are shown on the field edit sheet in violet ink. This traverse was started and closed on MHW (elev. 5.5 ft.).

49. Vertical Control: The elevation of P.M. 23 (elev. 18.5) as shown on 1:20,000 photograph 795 was investigated as requested by the compiler in par. 40 of the compilation report. A plane table traverse was run from P.M. 18 (elev. 29.8) and the correct elevation of P. M. 23 was found to be 31.0. However, with only the photograph for reidentification of the point it would be very easy to have a discrepancy of 2-3 ft. in elevation since the point is on a slope.

50. Road Classification: Roads were reclassified in accordance with Photogrammetry Instructions No. 10, dated 14 April 1947, and Amendment, dated 24 November 1947.

51. Shoal Areas: See field edit report for T-8644, par. 47 concerning compiler's misuse of "shoal".

52. Peat Bogs: The areas classified as "peat bogs" in this quadrangle are known as "heath" to the local inhabitants. None of the areas in this quadrangle appear to have been used as a source of fertilizer or fuel. Although all the areas are spongy, and a majority of them are wet, they resemble meadows and would probably be considered well drained if it weren't for the type of growth covering them.

Decision on the classification of these areas is left to the reviewer.
See Review Report.

53. Geographic Names: Geographic names were checked as requested on the discrepancy print and in paragraph 38 of the compilation report. Names and addresses of the local inhabitants consulted and the length of time they have been living in the area are shown on the discrepancy print. A few additional names discovered during this check that were considered worthy of charting are shown on the field edit sheet.

54. Boundaries: With the help of two local men, Thad West and Joe Leighton of Millbridge, the Millbridge-Steuben town line was run out by planetable on the field edit sheet. A short portion of the line that could not be positively traced in the field was dotted in on the sheet in it's approximate position. All the boundary work on the field edit sheet is self-explanatory. No local information, or official information in Machias, could be found to dispute the general location of the above line as shown in Pigeon Hill Bay. However, local belief is that the location of this line is in the exact center of the channel.

Likewise, no information from the above sources could be found to dispute the Washington-Hancock County line as shown on the discrepancy print. (See field edit data for T-8643 for point county line leaves Joy Bay north of sheet limits).

No legal information was available for either of the two afore-mentioned boundaries.

55. Examination of Proof Copy: It is felt that an examination of a proof copy by a public-spirited resident of the area will not be necessary since those men whose names were given on the discrepancy print as geographic names references checked the corrected field edit sheet in the areas that they were most familiar with. However, Mr. D. C. Smith, Town Clerk, Steuben, Maine would probably be the best qualified to check the entire quadrangle.

Submitted:

10 Aug. 1948

Stanley J. Hathorn
Stanley J. Hathorn
Photogrammetrist

Approved:

10 Aug. 1948

George E. Varnadoe
George E. Varnadoe
Topographic Engineer

cc: Comdr. Sipe

GEOGRAPHIC NAMES

Bois Robert I.

- BALD ROCK
- BAR ISLAND (2) Bar Ledge
- BIG POND
- BIRCH POINT
- BONNY CHESSE ~~Bar~~ Bobby Creek Ledge + Bunker Reef
- CANE COVE +

CARRYING PLACE COVE

- CHAIR POND
- CHAIR POND HEAD
- CHITMAN POINT
- CLAM POINT
- CLAY COVE

COREA

COREA HARBOR (U.S.G.B. decision in 1932)

CRANBERRY POINT

DYER BAY

DYER HARBOR

DYER NECK

DYER POINT

EAGLE HILL

EASTERN ISLAND

EASTERN WAY

FISH ISLAND

FISH ISLAND LEDGE

FRAZER PASSAGE

GARDEN POINT

GOODS POINT

GOULDSBORO BAY

GULL ROCKS

HOG ISLAND

INNER BAR

JETTEAU POINT

JOY BAY

JOY COVE

LITTLE LEDGE +

LOBSTER ISLAND

LONG MILL COVE

MARSH COVE POINT +

NEYMAN COVE

OLD BULL +

OUTER BAR

Old Woman

Lobster Cove +

Old Man

Big Black Ledge

Little Black Ledge

+ after name indicates that it has been referred to U.S.B.G.N.

- OUTER BAR ISLAND
- OVER COVE
- OVER POINT
- PARKER HEAD
- PARRIT COVE
- PARRIT POINT
- PETIT MANAN BAR
- PETIT MANAN POINT (2)
- PIGEON HILL (2) = village
- PIGEON HILL BAY = hill
- PIGEON HILL COVE
- PINKHAM BAY
- POINT FRANCIS
- POP ISLAND
- POP ISLAND LEDGE
- PROSPECT HARBOR
- ROGERS POINT Redding Pt.
- SALLY ISLAND (2)
- SALLY ISLANDS

** SAND COVE Samson Pt.

SCHOONER POINT

SHAG LEDGE

SHARK COVE

SHEEP ISLAND (2)

SMELT BROOK

STANLEY COVE South West Breaker

STANLEY POINT

STEUBEN HARBOR

STEVENS POINT +

STONE HORSE LEDGE

THE CASTLE

THE NARROWS

TUCKER CREEK

VAL POINT

WALL POINT

WESTERN ISLAND

WESTERN PASSAGE

WIER LEDGES

WOOD POND COVE

YEATON COVE

YEATON POINT

YELLOW BIRCH HEAD

YOUNG POINT

** SCHOONER COVE

Wood Pond Point

ATLANTIC OCEAN

GOULDSBORO

STEUBEN

MILLBRIDGE

Names preceded by + are approved. 1/28/48. H.H.

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NOTES TO HYDROGRAPHER
FOR
SURVEY NO. T-8647

Appropriate notes relevant to detail to be investigated are lettered on the map manuscript.

The following list of photo-hydro stations, with descriptions and reference numbers, are within this survey:

Signal No.	Description	Photo. No.	Height ABOVE MHW
1089	8' spruce blazed on west side, 17 meters east of MHWL.	862	6'
1090	10' blazed spruce 27 meters east of MHWL, 11 meters east of grassline.	857	5'
1091	23' unblazed spruce 27 meters east of MHWL and E of grassline. Lone tree in grass field about 100 yards W of wood.	857	6'
1092	11' blazed triple spruce about 22 meters east of MHWL about 55 meters west of spruce woods. Many rocks in area.	857	5'
1095	25' blazed spruce about 15 meters north of MHWL, 5 meters north of brushline and 5 meters north of extreme western tip of sand pebble beach.	858	3'
1096	15' blazed double evergreen about 33 meters east of MHWL and about 10 meters SW of small clearing.	858	10'
1097	18' evergreen blazed on west side. One of group of 10 about 75 meters east of MHWL.	858	6'
1099	Small wild rose bush about 14 meters southwest of MHWL. Bush is 3 meters long and 2 meters wide.	857	4'
1102 ✓	Southeast gable small summer camp white sides and green roof with stove pipe on west side of ridge. Easternmost of four. It is 60 meters north of MHWL.	857	22
1104	Aluminum painted storage tank (steel) about 25 meters WNW of MHWL. Northernmost of 2 tanks. About 25 m. east of yellow abandoned 2 story house.	857	12

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Signal No.	Description	Photo. No.	Height Above MHW
1105 ✓	Southeast gable small shingled, unpainted shack. Brick foundation. 21 meters NW of MHWL.	857	15
1106	15' evergreen about 15 m. SE of MHWL and about 35 m. NW of 2 story white house.	857	4
1107 ✓	Red brick chimney in middle of gable of white house with green roof.	857	50'
1108	Cupola on top of yellow barn with unpainted shingle roof about 35 meters from MHWL.	857	50'
1109 ✓	NW gable of long low gray lobster shed with small addition under gable. Set on pilings on SE side.	857	15'
1111	10' blazed spruce 15 meters west of MHWL. Two large spruces about 20 m. north.	857	7'
1112	7' blazed spruce about 17 meters west of MHW on brushline.	857	4'
1113	Large white boulder 2.5 meters long and 1.5 meters wide about 6 meters north of MHWL. Isolated at high tide.	856	1'
1114	33' blazed spruce 38 meters west of MHW and about 38 meters north of shoreline of lake.	856	4'
1116	Large granite boulder 4 meters long and 2.5 meters wide about 18 meters south of MHWL. Rock is covered with orange and gray-black moss.	856	5'
1117	15' double spruce about 10 meters SE of MHWL and about 3 meters SW of small clump of bushes.	856	3'
1119	NW gable of white cottage with pink roof. White garage with pink roof in rear 25 meters west of MHWL.	853	30'
1120 ✓	South corner of unpainted fishing shack 1 meter west of MHWL.	853	3'
1121 ✓	Peak of small gray-brown cottage with red roof and blue trimmings 20 meters NW of MHWL.	853	20'
1122	East gable of unpainted barn with red door. In grove of 25' spruces, 4 meters west of MHWL.	853	20'

Signal No.	Description	Photo. No.	Height Above MHW
Duplicated on Form 524	1123 Paint on brown ledge rock about 15 meters southwest of small island. 1 meter SW of MHWL and 1.5 meters NE of MHWL. 35 meters south of mainland. Marked BASK, 1945.	853	3'
	1124 White granite boulder on MHWL about 6' long and 5' wide. Only white boulder in nearby vicinity.	866	3'
	1125 20' unblazed spruce about 10 meters North of MHWL.	866	4'
	1156 ✓ Red brick chimney with white slanted top on simulated brick 1 story cottage about 15 meters south of MHWL.	852	20'
	1157 9' unblazed spruce about 6 meters north of MHWL and 8 meters east of MHWL.	853	5'
	1158 Large black boulder 6' long and 4' high. 6 meters W. of MHWL isolated at MHW. Only black boulder in vicinity.	854	2'
	1160 12' unblazed spruce about 6 meters NE of MHWL in middle of grass clearing 30 meters long and 8 meters wide.	854	
	1161 Large brown boulder 6' long and 5' wide 10 meters W. of MHWL. Boulder slants diagonally on top.	854	5'
	1162 28' blazed spruce about 3 meters north of MHWL. Tree leans slightly to west.	854	1'
	1163 30' unblazed pine tree, 15 meters east of MHWL. Stands about 10 meters from nearest tree. Bounded by brush on shore side.	854	5'
	1165 30' unblazed spruce about 14 meters east of MHWL. 8 meters through brush NE from large gray boulder, 4' high, 6' long north and south and 6' wide. Boulder sets on brushline 4 meters east of MHWL.	855	6'
✓	1166 30' unblazed spruce about 9 meters east of MHWL. About 5 m. NW of 23' white birch.	855	3'
	1167 4' unblazed spruce. 3 meters east of MHWL and 12 m. west of nearest spruce.	826	4'
	1168 Top of 30' unblazed spruce 3 meters east of MHWL 10 m. south of 10' dead stump.	826	2'

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Signal No.	Description	Photo. No.	Height ABOVE M.H.W.
1169	Large brown boulder 1.5 meters in diameter* 20 m. west of MHWL. 25 meters west of clump of spruces on point of land about 150 meters north of tip of land with large round boulder.	826	2'
1171	18' spruce tree, farthest west, 12 meters east of MHWL.		
1172	8' spruce, 10 meters NE of MHWL in grass clearing on NE side of small cove. 3 buildings east and NE of tree.	825	15'
1173	8' blazed spruce, 8 meters east of MHWL and 2 meters W of a point formed by a group of spruce trees.	825	12"
1174	15' blazed spruce tree, 18 meters east of MHWL. Two small spruces 2 meters north and south of signal.	825	20
1175	45' blazed spruce tree about 4 meters east of MHWL at the base of a 6' bank.	854	2'
1176	60' blazed spruce on 3 foot mud bank about 5 meters SE of MHWL, 45 meters NE of small stream.	854	5'
1177	30' twin spruce along in south edge of wood about 4 meters west of MHWL.	854	3'
1178	1.5 meter boulder, 3 meters N of MHWL on north side of small point about 20 meters west of end of point.	854	1'
1179	Only 3 meter round boulder on MHWL about 8 meters N of tree line.	854	4'
1180	40' pine tree leaning over water from a 7' ledge about 4 meters back of MHWL.	865	7'
1183	30' spruce 2 meters NW of MHWL on NE corner of cove about 100 meters SW of old lobster pound.	856	3'
1184	12' spruce tree 15 meters south of point 5 meters SE of MHWL.	856	4'
1185	25' spruce on SE point of small cove 4 m. south of MHWL. Largest tree in vicinity on the shore.	856	4'
1186	20' blazed scrub pine with branch spread of 35' 15 meters west and south of MHWL. 200 meters NW of a deserted lobster pound.	856	2'
1188	SE gable of small shack with red roof and white door, 15 m. from MHWL on back of Newman Cove.	855	15'

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Signal No.	Description	Photo. No.	Height ABOVE MHW
1189	35' blazed spruce 8 m. west of MHWL on edge of tree line. 90 meters south of small unpainted shack.	855	5'
1190	30' spruce about 10 meters SW of MHWL. Most bushy tree on back of this small cove.	855	5'
1191	40' spruce about 10 meters south of MHWL on edge of brush-line. This tree has branches in only the top half of its trunk.	855	4'
1192	35' blazed spruce about 11 meters SE of MHWL on 2' bank at edge of tree line. 4 meters SE of a 1 meter granite boulder.	855	5'
1193	3' diameter boulder 290 meters north of a fish trap on MHWL. Only round boulder in vicinity.	855	1'
1194	18' double spruce on point of land directly inshore from end of fish trap about 5 meters SE of another small spruce.	855	
1195	Large brown boulder 18 meters from grass line. There is a gray boulder directly inshore on grass line.	855	3'
1197	30' spruce leaning east toward beach. 250 meters south from large brown boulder. Limbs on base of tree now dead.	855	
1198	10' spruce on edge of grass line on point. 5 meters east and 15 meters south of MHWL. A house directly inshore from the signal site.	857	
1199	NE gable of one story unpainted shack with orange shutters. Large window on NE.	857	
1200	Lone 10' double spruce on point 10 meters east of grass line.	857	
1201	SE'ly of two 15' spruces. Easterly side is almost bare. It is on northeastern end of island.	857	20'
1202	25' spruce 45 meters west of point. There is a 30' double spruce 12 meters east of it.	857	
1203	Lone 10' double evergreen tree with cut out top on most NE'ly end of island.	857	
1204	12' evergreen. Most westerly tree on island.	857	15'
1205	20' spruce about 27 meters from MHWL. Blazed on south side.	857.	

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Signal No.	Description	Photo. No.	Height ABOVE MHW
1206	10' umbrella shaped evergreen blazed on southside. About 70 meters west of small stream coming out of peat bag.	857	
1207	20' lone spruce blazed on south side. 6 meters north of edge of sand bank and 6 meters east of sand dune and 4 m. west of point of alders.	857	
1209	North gable of unpainted shingled lobster shack on edge of lobster pound.	825	
1210	30' spruce which is most westerly of two. Birch tree next to station having its branches intermeshed with the branches of the spruce.	825	30'
1211	25' blazed spruce tree on point. 6 meters north of MHWL and on point opposite the NE end of lobster pound.	825	3'
1212	Most southerly spruce on point. There is a small spruce just southeast of it.	825	5'
1213	30' flat top spruce. Most easterly of group of evergreens.	826	3'
1214	10' blazrd spruce 10 meters from MHWL. Base of tree has no limbs.	826	4'
1215	15' spruce on south side of small cove. A group of sumac trees surround station.	826	2'
1216	35' spruce surrounded by sumac trees on south side of small cove. An alder tree 1 meter north of it.		
1217	25' thickly branched spruce on woods line about 5 meters from MHWL. About 70 meters from south side of lobster pound.	826	2'
1219	8' boulder, bare 6' at MHW. Largest boulder in area on MHWL. Another large boulder 15 meters north of it.	826	
1220	✓ NE gable of one story green shingled white trimmed house.	826	
1221	6' brown boulder. Directly offshore from a lone birch tree. Base 1' at MHW.	826	
1243	SE gable of gray shingled barn. There is a dilapidated small shed 40 meters to the NE.	853	25'
1244	Lone 25' pine tree. 6 meters from MHWL, and 60 meters SE of a group of pine trees.	853	45'

Signal No.	Description	Photo. No.	Height ABOVE MHW
1245 ✓	Chimney on west gable on north side of ridge of one story brown tar papered house. There is a full length porch on west side. Chimney is offset one meter from ridge line.	852	25'
1246	35' spruce tree on point at base of 10' bank. Wooden stairway 15 meters south of tree.	852	1'
1247	40' spruce tree. 3' gray boulder 12 meters east of tree. Small cove just north of tree.	852	2'
1248	3' gray brown boulder 1 meter east of MHWL on tip of point.	852	2'
1249	Prominent 30' bushy spruce set in an area of deciduous trees. Forked birch tree 35 meters NE of station.	852	8'
✓ 1251	30' white pine unblazed 1 meter west of MHWL. About 2 m. south of southernmost rock in line of rocks.	852	2'
1252	35' unblazed white pine 6 meters south of MHWL. 80 meters SW of large 5' boulder.	852	2'
1253	About 15' unblazed spruce 25 meters south of MHWL.	852	2'
1254	28' unblazed double spruce about 7 meters north of MHWL. 6 meters southwest of stump.	852	3'
1255	15' unblazed spruce about 15 meters east of MHWL. Only evergreen is that grove of trees or on that side of stream.	851	5'
1269	30' leaning spruce on point on storm HWL at base of 6' bank and edge of tree line.	851	2'
1270	Lone 25' spruce tree on storm HWL at base of 15' bluff on point.	852	2'
1271	Lone 35' spruce on edge of brushline. A dead spruce lies just south of station.	852	4'
1272	12' pine on point on side of 8' bank on grass line.	852	6'
1273	Prominent lone spruce (35') on edge of marsh at base of 10' bank. There is a large brown boulder 15 meters NW of tree.	852	3'
1274 ✓	West gable of unpainted one story boat house, on edge of marsh line and lying just south of 15' bank.	852	15'
1277	10' spruce at base of 15' bank on pt. Tree leaning northward. 3' brown boulder 22 meters offshore from tree.	853	2'

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Signal No.	Description	Photo. No.	Height ABOVE MHW
1278	Offshore piece of boulder bare 3' at MHW. Just offshore from MHWL. Has been split into two pieces.	853	3'
1279	35' double spruce on edge of tree line. Only spruce in vicinity.	853	3'
1280 ✓	North gable white painted house with green trim. House has 3 chimneys. Unpainted ^{barn} to east.	853	25'
1281	Only spruce on island on south side.	853	10'
1282	Chimney on west gable of 1½ story green papered house on point of land.	853	25'
1283	30' spruce tree. Double birch about 8 meters NW of station. A white 3' boulder lies 10 meters offshore from tree and on MHWL.	853	1'
1284 ✓	East gable of one story unpainted house with green papered roof. Chimney on north side of ridge.	827	25'
1285	45' spruce tree east of inside end of cove about 20 meters from MHWL.	827	15'
1286	30' juniper tree about 35 meters north from point. Another juniper on brushline 15 meters north of point.	827	6'
1287	30' spruce blazed on south side. 2 smaller spruces just east of signal tree.	827	10'
1288	35' leaning spruce 4 meters east of 10' bank, 20 meters SW of inner end of fish trap. Blazed on east side.	827	2'
1289	45' spruce on edge of 8' bank just inshore from leaning birch that has a "No Trespassing" sign nailed to its trunk. Tree blazed on east side.	827	8'
1290	45' spruce on edge of 5' bank. Blazed on east side. 2' gray boulder just east of spruce.	827	6'
1292	35' double spruce in center of small cove directly inshore from offshore ledge.	828	5'
1293	Top of 35' leaning spruce blazed on east side just south of 2 leaning trees.	828	1'
1294	40' spruce tree blazed on east side about 5 meters from MHWL. 35 meters south of point of land.	828	4'
1295	40' double spruce just SW of a dying double birch tree west of point of land.	828	2'
1296	25' spruce blazed on north side just inside MHWL. A dead birch just east of it.	828	3'

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Signal No.	Description	Photo. No.	Height Above MHW
1297	40' bushy spruce. Closest to road of a group of three spruces, almost in line with small stream.	828	10'
1298	30' bushy spruce on point of land at edge of marsh. A large white pine about 18 meters south of spruce.	828	3'
1299	2' rock about 50 meters NW of broken dam about 5 meters from edge of marsh.	828	2'
1300	25' double spruce most easterly on pt. 2 meters from MHWL on west side of small cove.	828	4'
1301	12' spruce on point on east side of small cove. A smaller spruce adjacent to signal tree.	828	3'
1304	Lone 30' bushy spruce 6 meters south of MHWL. There is a double birch tree 10 meters east of spruce.	828	8'
1305	Pointed 25' spruce on edge of ledge 2 meters from MHWL. There is another pointed spruce about 7 meters north of it.	828	3'
1306	Double trunk 35' spruce most northerly one. Divides again 5' from base.	828	5'
1308	Narrow 35' spruce on edge of brushline. Another tall spruce NW of station.	828	8'
1309	10' spruce in middle of island at apex of group of trees on western end of island.	828	4'
1310	35' spruce on most southerly tip of island. Blazed on west side.	828	8'
1311	30' spruce tree on most northerly tip of island at edge of brushline.	828	6'
1312	25' spruce on edge of 3' bank. Double birch tree with four trunks north of spruce.	828	3'
1313	20' leaning spruce 1 meter from MHWL. A clearing of deciduous trees SW of tree.	818	0'
1314	20' spruce at base of 20' bank 2 meters from MHWL. Signal next to dead birch tree.	818	3'
1315	15' spruce most southerly of group on top of 3' bank. Large boulder 18 meters offshore.	817	4'
1317	About 13' unblazed double spruce northernmost in grove of trees about 3 meters west of MHWL and 18 meters east of wood fence.	817	5'

200

Signal No.	Description	Photo. No.	Height Above MHW
1318	25' leaning spruce, crooked trunk, on storm HWL. 2 - 35' spruces on either side of station.	817	28'
1319	Lone 40' juniper with 2 large branches halfway up tree protruding from trunk.	817	2'
1320	Lone 40' white pine on east side of entrance to stream and on edge of brushline.	817	2'
1322	20' spruce with dead top. A group of boulders north of tree. At base of 3' bank.	817	2'
1324	35' leaning spruce on inshore end of point of ledge. Tree blazed on north side. Large birch 8 meters to the west.	817	4'
1325	3' black boulder on MHWL on point of land 3 meters from brushline.	817	3'
1326	Brown boulder base 1' at MHW about 15 meters west of MHWL on north side of small cove. Another boulder bares 2' at MHW about 100 meters sw of station	817	1'
1328	Leaning 30' spruce blazed on west side 33 meters south of point on side of 6' bank on edge of tree line.	818	3'
1330	Top of 20' leaning spruce on tree line. Tree leans over beach to the west.	818	1'
1331	35' bushy spruce blazed on west side at south side of group of evergreens and at base of 5' bank.	818	3'
1332	40' double spruce on 4' bank. Dead tree on edge of bank west of spruce. Leaning spruce on point to the SW.	818	6'.
1333	Lone 25' pointed spruce in a group of deciduous trees 7 m. from grass line. Large boulder SE of tree.	818	7'
1334	45' spruce tree on edge of 6' bank on north end of a small cove. Bank is rock ledge with dirt and grass on top. Southernmost spruce of a group of spruces.	818	6'
1335	8' spruce on top of edge of large ledge. Smaller spruce to the southeast growing on edge of same ledge.	819	5'
1336	35' spruce blazed on south side. Most easterly of 2 spruces on base of 5' bank.	819	3'
1337	6' spruce growing in ferns SE of a dead tree trunk on south side of small peninsula on north end of cove.	819	4'
1338	25' bushy spruce in a group of deciduous trees. A large brown boulder just west of the spruce and MHW line. Birch tree on each side of spruce.	819	3'

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Signal No.	Description	Photo. No.	Height Above MHW
1339	35' double spruce on point on north side of cove. There is a dead birch immediately north of signal.	819	3'
1340	30' spruce on point on edge of 30' bank. Fallen spruce immediately east of station.	819	3'
1341	35' bushy double hemlock tree blazed on south side about 15 meters NW of small cove in edge of 4' ledge bank.	820	4'
1342	20' spruce blazed on west side. A pair of 30' hemlocks just to the west of spruce and a dead birch tree trunk 4 meters west.	820	6'
1344	Lone 20' bushy spruce approximately in center of small cove about 18 meters east of brushline.	821	6'
1345	30' spruce most westerly tree in vicinity. 15' spruce just southeast of signal.	821	3'
1346 ✓	West gable of 2 story large brown shingled house. Full length porch on west side. Glassed-in extension on SW side of house.	821	25'
1347 ✓	West gable of north wing of one story. House has a small chimney on the north and south roofs and a larger chimney on the southern side of house.	820	20'
1349	Double 25' spruce with flat top. Only spruce in a group of deciduous trees.	820	4'
1350	Most southerly of two 20' spruces in a group of deciduous trees on west side of inlet.	820	4'
1351	35' bushy spruce. Another spruce about 4 meters south of station which has the top half of its trunk gone.	820	4'
1352	10' spruce tree about 7 meters north of grass line and 8 meters north of a large black topped ledge.	820	8'
1353	Northern tip of grass. There is a 20' birch tree about 10 m. south of station. Station is on west side of inlet.	820	3'
1354	6' spruce in center of small clearing, south of group of spruces. Tree has no branches on lower half of trunk	820	3'
1355	30' spruce tree blazed on west side on point of land.	820	6'
1356	Offshore brown boulder bare 2 at MHW about 90 meters west of tree line.	819	2'

282

Signal No.	Description	Photo. No.	Height ABOVE LOW TIDE
1357	Large gray boulder 1 meter west of MHWL about 55 meters SE of large offshore ledge.	819	4'
1359	25' double spruce. 3 meters east of grass line. A dead birch 6 meters SE of spruce.	819	3
1360	20' spruce blazed on west side on edge of tree line 1 m. east of storm HWL. 4' spruce 2 meters N of station.	819	2'
1361	20' double spruce on north side of point. Blazed on north side. 2' black boulder 4 meters west of tree.	819	3'
1363	Dark gray boulder on east side of head of cove. A group of dead birch tree 15 meters to the NE. Bares 3' at MHW.	819	3'
1364	30' spruce on east side of small cove. There is a dead birch tree 5 meters SW of spruce.	819	2'
1365	15' spruce blazed on SE side. Spruce almost hidden by surrounding deciduous trees. 30' sumac SE of spruce on edge of 7' bluff.	819	7'
1366	20' spruce tree on back edge of marsh on edge of tree line. Large birch tree about 15 meters north of spruce.	819	2'
1367	Two 20' spruces on north side of small cove. Trees are 1.5' apart at base of 15' sandy bank.	819	2'
1368	Brown 1' boulder 5 meters east of tree line. Largest in vicinity.	820	1'
1370	30' spruce on east side of small cove. Largest southerly tree of group of trees.	820	3'
1372	5' round bushy spruce on SE end of island. 7 meters north of edge of grass line. Station resembles a bush.	820	5'
1373	20' spruce, most easterly tree on island.	820	2'
1374	30' spruce tree, top leans northward. Dead tree west of spruce.	819	8'
1375	30' spruce. Dead birch 3 meters north of spruce.	819	4'
1376	25' spruce blazed on NE side. There is a birch 10 meters to the north.	819	3'
1378	35' spruce on south end of island. Trunk bare on lower half of tree.	819	3'
1400	A small group of 3' spruce trees on SE tip of island 20 m. SE of another small group of trees which is NW of white ledge rock.	858	15'

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Signal No.	Description	Photo. No.	Height ABOVE MHW
1401	Group of 3 - 7' spruce trees on the western side of island about 75 meters southeast of the northwest point of island.	858	20'
1402	Small 6' spruce in the middle of a small clearing on the north side of the island about 75 meters east of the NW corner of island.	858	
1405	Lone 15' spruce on southwest tip of island on top of small knoll and is the only tree in that vicinity. Blazed on west side.	858	12'
1406	Lone spruce on the northeast side of island 10 meters SW of MHWL. Only tree on the NE side of island.	824	8'
1407	Lone double spruce on SW side of island about 30 m. south of a group of spruce and 20 meters from the highest part of the island.	824	25'
1408	18' spruce 28 meters south of MHW line, 5 meters east of a group of 4' spruce trees in a small clearing.	828 ⁵	8'
1409	4'x3' yellow brown offshore boulder about 12 meters SE of MHWL on ledge. Bare only at MHW.	825	1'
1410	20' spruce 10 meters west of MHWL, east of a small group of hardwood trees and 14 meters SE of a group of 35' softwood trees.	825	8'
1411	4' softwood tree with sparse limb 10 meters east of MHWL on high sloping ledge. 4 meters ENE of a 5x3x1 $\frac{1}{2}$ ' rock.	825	15'
1412	10 spreading spruce 18 meters NW of MHWL at the end of 25 meter long rock ledge.	825	10'
1413	8' weather beaten softwood. 3 meters north of highest point of rock beach, 10 meters from MHWL surrounded by driftwood.	825	12'
1415	The southerly of two oval boulders 18 meters east of MHWL at the end of 50 meter long rock, 10 meters south of old tree stump.	825	8'
1416	The most southwesterly of a group of spruce trees on point. Tree is double topped, 28' high and 15' from MHWL.	825	10'
1417	25' spruce within cove surrounded by smaller spruce trees, 15 meters from MHWL and 15 meters north of it is a taller softwood.	825	18'

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Signal No.	Description	Photo. No.	Height ABOVE MHW
1419	A large round single rock ledge, diameter about 6 meters. A semi-circular stagnant pond in the east side of station. Pile of rocks in center of ledge.	824	10'
1420	Large lone boulder on west side of island 30 meters east of MHWL. Pile of rocks on the station.	824	12'
1421	12' flat top evergreen 8 meters south of grass line. Blazed on north side, on north side of island.	824	20'
1423	Large gray black boulder 1 meter west of top of bank. 4 meters east of MHWL.	821	4'
1424	6' lone scrubby evergreen blazed on west side 25 meters from edge of bank and 32 meters east of MHWL.	821	12'
1426	A 15' evergreen most westerly of a large group, blazed on west side, 28 meters east of MHWL.	822	15'
1427	Boulder about 1.5 meters long and 1 meter wide 22 meters east of MHWL, 6 meters northwest of land bound rock ledge. Small rocks are piled on station.	822	15'
1428	20' evergreen about 8 meters west of top of bank and 15 meters west of MHWL and 25 meters northwest of similar pine.	822	12'
1429	12' evergreen blazed on west side with green branches at top only. Stands alone in peat bog 45 meters west of MHWL. Only live spruce on end of point.	822	10'
1430	Small 5' evergreen, blazed on east side. 49 meters west of MHWL.	822	15'
1431	Large 30' juniper southwest edge of marsh and about 50 meters south of a large pond and 85 meters west of MHWL.	822	3'
1432	A scraggy 18' unblazed evergreen about 30 meters NE of a line of large evergreens about 10 meters southwest of MHWL.	822	12'
1433	An 8' evergreen with green branches at top only, northernmost of a group of 12 others, about 30 meters from MHWL.	822	18'
1434	A 40' spruce blazed on east side about 11 meters west of MHWL.	821	7'
1435	23' spruce 10 meters north of a similar 40' spruce 17 meters east of MHWL.	821	8'
1437	25' spruce most easterly of a group of spruce on point. Blazed on the east side.	821	5'
1438	Most easterly spruce of a small group of 30' trees 18 meters		

245

Signal No.	Description	Photo. No.	Height ABOVE MHWL
1438 (Con'd)	west of MHWL, 130 meters south of point and 70 m. north of a lone spruce.	821	8'
1439	Most easterly spruce about 25' SE of cove. Small juniper grove behind spruce. 70 m. south of pine.	821	8'
1440	Most easterly of 2 - 15' spruce trees about 20' m. north of MHWL. Most eastern tree on point.	821	4'
1442	15' double spruce at edge of brushline, 12 m. SW of MHWL, 100 m. north of small cove	820	5'
1443	Most easterly spruce, 80 m. south of large boulder. Only softwood in vicinity.	820	5'
1444	20' spruce on brush line, 15 m. from MHWL, 20 m. south of a large log.	820	8'
1445	13' spruce at edge of grassline about 6 m. from MHWL. The top of tree is cut off.	820	6'
1446	18' spruce. Only spruce in vicinity. 12 m. from MHWL.	820	15'
1447 ✓	White chimney with red top. In center of roof of 1½ story cottage with screened front porch.	820	20'
1448 ✓	East, southeast gable of two story house. Has 2 windows on second floor under gable. 100 meters from water.	819	30'
1449 ✓	Chimney of red-roofed 1½ story house with screened porch on east and south sides.	819	20'
1451 ✓	SE gable of 2 story house in poor condition. 25 m. from bank.	819	27'
1452	2 - 13' spruce trees on edge of bank, 15 m. north of fish shed and 45 meters SE of cottage, about 5 m. from MHWL.	819	5'
1454 ✓	South gable of 1½ story black tar paper shack about 20 m. west of MHWL. Small chimney on west side.	819	25'
1455	White 4' offshore boulder midway between brushline and red ledge running east and west on a small point.	819	2'
1456	Round white boulder, offshore between two small grassy coves	819	3'

Signal No.	Description	Photo. No.	Height ABOVE MHW
1458	3' round boulder on ledge on the southern pt. of a small cove about one meter from MHWL and 5 meters east of woodsline.	818	4'
1459	10' spruce 4 meters west of MHWL 20 m. north of a 30' spruce about 200 m. north of a small cove.	818	4'
2852	30' bushy spruce on point. Double spruce 4 meters to SW. Spruce is flat topped.	818 *	6'
2853	18' spruce on point on west side of small cove. Most northerly spruce on point.	818	5'
2854	20' spruce on point small clearing on each side. A 3' boulder is 2 meters to the north.	818	2'
2856	30' leaning spruce. Another 13 meters to the north. A dead spruce stump midway between them.	818	
2857	30' spruce on west side of rounding point. Blazed on east side. Another spruce 1 meter east.	818	3'
2858	25' spruce most easterly on point and SE of small cove.	818	4'
2860	15' spruce blazed on east side. Most northeasterly on island.	818	4'
2861	15' flat top spruce. Dead spruce 3 meters to east.	818	1'
2862	Large 7' boulder, most southwesterly in group. In center of small cove.	818*	5'
2869	4' bushy spruce on edge of 6' bank, only spruce in vicinity.	2107	10'
2870	10' spruce south of sandy clearing, on edge of 10' bank.	2107	10'
2928	25' spruce on east side of marshy cove. Most southwesterly of a group of spruces.	2105	2'
2944	4' brown boulder on black ledge on MHWL on NW end of island.	793	4'
2948	Lone 25' dark spruce on west side of stream.	818	3'
2950	12' spruce on edge of woodsline. Darkest spruce on back limits of marsh on west side of stream.	818	2'
2951	35' spruce on north side of island. Blazed on north side. Osprey nest on top of spruce 10 meters to north.	818	3'

Signal No.	Description	Photo. Nb.	Height ABOVE M.S.W.
2953	20' spruce on edge of tree line blazed on east side. Large maple tree 10 meters SE.	88	3'
2954	30' double juniper tree in clearing. Blazed on south side.	818 *	3'
2955	5' spruce. Most southerly of a group on ledge point.	2105	5'
2956	Most easterly of two 20' spruces on point of land.	2105	3'
2957	8' stunted spruce. Most northerly on point of land at edge of 3' bank.	2105	4'
2958	20' juniper just south of a spruce. Most southerly tree on point.	2105	3'
2959	20' broad deciduous tree at head of small cove.	2105	2'
✓ 2960	15' oak tree. . . Only deciduous tree in vicinity.	2105	4'
2961	12' spruce on edge of ledge bank. There is a birch tree 10 meters to south.	2105	5'

* Print No. 2

ADDENDUM TO

DESCRIPTIVE REPORT T-8647, PROJECT CS-272-F

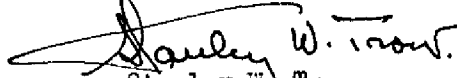
*Review
of this is containing
was done on
which is a photograph
no other 3388*

The strip along the eastern portion of the quadrangle has been by multiplex contoured from a reflight of photographs, 48-C-54 thru 60. (See item 41 of Descriptive Report for T-8647). A vertical accuracy test was run in the field across the northern portion of Petit Manan Point. With the exception of one point, the check elevations established by the field edit party are in excellent agreement with the contours. The point not in agreement is situated on a slope on the east shore. Its elevation of 27 feet suggests an error of approximately one contour interval. The model covering this area was reset but contours in the vicinity of elevation 27 could not be changed. See Review Report.

All woodland outlines have been re-examined and both timber and brush have been combined with one woodland classification, T. This single classification has been authorized in the letter from the Director of 23 July 1948.

Respectfully submitted

1 December 1948



Stanley W. Trow

Cartographer

Division of Photogrammetry
Review Report of
Topographic Map Manuscript T-8647

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

25 Control

The following triangulation stations, listed as lost by the field inspector, have been removed from the map manuscript:

Rogers Point, W. Chimney of House, 1861
Gouldsboro Bay, Head of W. Chimney of House, 1861

There are 6 Bench Marks in the area covered by the map manuscript: N-9, P-9 through T-9. They were established in 1945 by Wye Level. Descriptions are filed in the Division of Geodesy. Copies are filed in the Division of Photogrammetry, General Files.

28 Detailing

An inset was added to the map manuscript to include a small island and several reefs, bare at MLW, just south of the southern limits of this project. These additions were made from T-8587 and T-8588 in project CS-272-E.

Land areas that are outlined with a dashed line on the map manuscript are to be shown with the standard beat bog symbol labelled "Heath". See Paragraph 52 of the Field Edit Report.

Several areas labelled "Swamp" by the compiler were changed to "Cleared". According to information received from the field editor, these areas are covered with tall meadow grass cut for hay in accessible places and are well drained.

The symbolization of spot elevations on the map manuscript was changed to conform with the latest instructions.

Roads and driveways were deleted where they were less than the minimum length specified in Photogrammetry Instruction No. 17, Paragraph 63.

Boundaries through water areas were shifted during review, to run halfway between the land areas that the line divides. There is no information concerning their exact location.

31 Low Water and Shallow Lines

The dotted line outlining the foreshore features such as mud, sand and boulders and the offshore limits of the ledge or reef symbol have been compiled as the approximate MLW line. The ledge, reef, gravel and boulder areas have been symbolized on the map manuscript. The sand and mud flat areas have been outlined with a dotted line enclosing a dotted

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symbol and labelled mud or sand. In areas where the photographs were not taken at low water, the limit of the foreshore area was added from the photographs following the apparent low water line using the MLW Line on the hydrographic survey as a reference.

The dashed lines labelled "Shallow" indicate the approximate limits of the channel. These lines are for the information of the hydrographic party and are not to be shown by the smooth draftsman. Shallow areas may consist of submerged ledge, reef, sand or mud flats below the plane of MLW.

38 Geographic Names

All names on the map manuscript have been approved by the Geographic Names Section, including those added by the field editor.

40 Depth Curves and Soundings

Depth curves and selected soundings were added to the map manuscript by the Nautical Chart Branch from the following sources:

H-1398	1:40,000	1878
H-1505	1:10,000	1881
H-1510	1:10,000	1881
H-1528	1:10,000	1882
H-1567b	1:10,000	1883-1902
H-1127	1:10,000	1871-1902

44 Comparison with Existing Surveys

USGS Petit Manan Quadrangle 1:62,500 1904 Repr. 1947

T-1039	1:10,000	1865 and 1884
T-1040	1:10,000	1865 and 1884
T-1486	1:10,000	1880
T-1496	1:10,000	1881

Common features on all previous surveys are superseded by the map manuscript in common area.

45 Comparison with Nautical Charts

Chart No. 1202	1:80,000	1932 Corr. 1946
Chart No. 305	1:40,000	1931 Corr. 1946

Stone Horse Ledge was removed from the map manuscript. It is not visible on the photographs. Position shown by depth curves.

Fish weirs are not shown on the nautical charts.

48 Accuracy Tests

The vertical accuracy tests made on the quadrangle meet the specifications for the project. This map complies with the national standard of map accuracy requirements.

Difficulty encountered holding the 27 foot test elevation while contouring Petit Manan Point described in the Addendum to the descriptive report and stereoscopic examination of the photographs indicate that the test elevation is incorrect. The field notes on the test are not available but it is assumed that this elevation was incorrectly copied.

49 Overlays

An overlay was prepared showing the border information, road classifications, triangulation stations, bench marks, topographic stations and spot elevations that are to be shown by the smooth draftsman.

51 Application to Nautical Charts

The map manuscript has not been applied to the nautical charts.

Reviewed by:

Charles Theurer
C. Theurer 1-26-49

APPROVED BY:

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