

8787

D-101-100

Diag. Cht. No. 801

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. Office No. T-8787

LOCALITY

State Maine

General locality Washington County

Locality ST. CROIX RIVER FROM ST. CROIX I.
TO TODD POINT

194 6-'49

CHIEF OF PARTY

R.A.Gilmore, Chief of Party

T.B.Reed, Balto. Photo. Office

LIBRARY & ARCHIVES

DATE November 30, 1950

2828

DATA RECORD

T - 8787

Project No. (II): PH-11(46) Quadrangle Name (IV): Devils Head

Field Office (II): Machias, Maine

Chief of Party: Ross A. Gilmore

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: Thos. B. Reed

Instructions dated (II) (III):
9 May and 18 September 1946.

Copy filed in Division of
Photogrammetry (IV)
Office Files

Method of Compilation (III): Multiplex

Manuscript Scale (III): 1:8,500

Stereoscopic Plotting Instrument Scale (III): 1,8,500

Scale Factor (III): 1.0

Date received in Washington Office (IV): 7-22-49 Date reported to Nautical Chart Branch (IV): 7-26-49

Applied to Chart No.

Date:

Date registered (IV): 8-23-50

Publication Scale (IV): 1:24,000

Publication date (IV):

Geographic Datum (III): N. A. 1927

Vertical Datum (III):

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): LANE, 1866

Lat.: 45° 09' 31.682"

Long.: 67° 13' 03.192"

Adjusted
~~to datum~~

Plane Coordinates (IV):

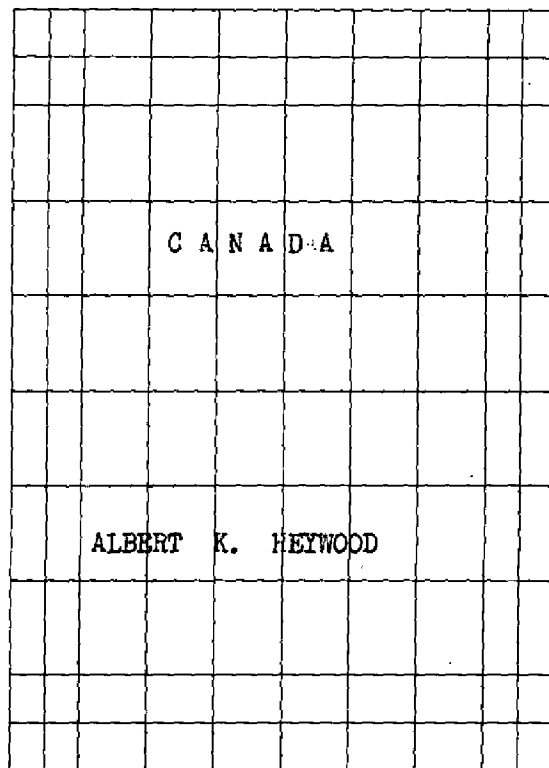
State: Maine Zone: East

Y=

X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

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



45°11'15"

45°07'30"

67°15'

67°07'30"

Areas contoured by various personnel
(Show name within area)
(II) (III)

DATA RECORD

Field Inspection by (II): John R. Smith
Irving I. Saperstein

Date: Season 1946

Planetable contouring by (II):

Date:

George E. Varnadoe
William H. Shearouse

Completion Surveys by (II): John R. Smith

Date: Oct. 1949

Mean High Water Location (III) (State date and method of location):
Sept. 1946. See "Shoreline Location" compilation
report, Project PH-11(46) dated January 1949

Projection and Grids ruled by (IV): H. R.

Date: December 1947

Projection and Grids checked by (IV): H.R.

Date: December 1947

Control plotted by (III): Donald M. Brant

Date: January 1948

Control checked by (III): Albert C. Rauck, Jr.

Date: January 1948

~~Field Inspection~~ Stereoscopic Albert K. Heywood
Control extension by (III): Albert C. Rauck, Jr.

Date: May 1948
Jan. 1948

Planimetry
Stereoscopic Instrument compilation (III): and Albert K. Heywood
Contours

Date:
May, June, July,
Date: and August 1948.

Manuscript delineated by (III): Harold Hammer
Mary Louise Rosenberg
CANADA-Shoreline by A.C.Rauck, Jr. Interior by C.A.Lipscomb

Date: February 1949

Photogrammetric Office Review by (III): Albert C. Rauck, Jr.

Date: June 1949

Elevations on Manuscript Albert C. Rauck, Jr.
checked by (II) (III):

Date: June 1949

Camera (kind or source) (III): U.S.Coast and Geodetic Survey Type "C"
6" Metrogon Lens

| Number | Date | Time | Scale | Stage of Tide |
|-----------|---------|------|----------|-----------------|
| C432-C451 | 5-29-46 | 1500 | 1:6,000 | 1' below MLW |
| C452-C456 | " | 1505 | " | 2' " " |
| C115-C117 | 5-23-46 | 1020 | 1:20,000 | 2.1' above " |
| C136-C138 | " | 1115 | " | 2.6' above " |
| C618-C619 | 5-30-46 | 0935 | " | 1.7' above MHW |
| C620-C624 | " | 1005 | " | 2.2' above MHW |
| C736-C739 | " | 1225 | " | 15.3' above MLW |

Tide (III)
Predicted tide tables

Reference Station: Eastport, Me.
Subordinate Station: Docket I., St. Croix River
Subordinate Station: The Ledge, St. Croix River, N.B.
Calais, St. Croix River
Washington Office Review by (IV): C. Theurer

| Ratio of Ranges | Mean Range | Spring Range |
|--------------------|---------------|-----------------|
| 1.0 | 18.2 | 20.7 |
| 1.1 | 19.2 | 21.8 |
| 1.1 | 20.0 | 22.8 |
| 1.1 | 20.0 | 22.8 |

Date: 6-16-50

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 13.5
Shoreline (More than 200 meters to opposite shore) (III): 8 statute miles
Shoreline (Less than 200 meters to opposite shore) (III): none
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 25 Recovered: 24 Identified: 18
Number of BMs searched for (II): 10 Recovered: 7 Identified: 7
Number of Recoverable Photo Stations established (III): 10
Number of Temporary Photo Hydro Stations established (III): 35

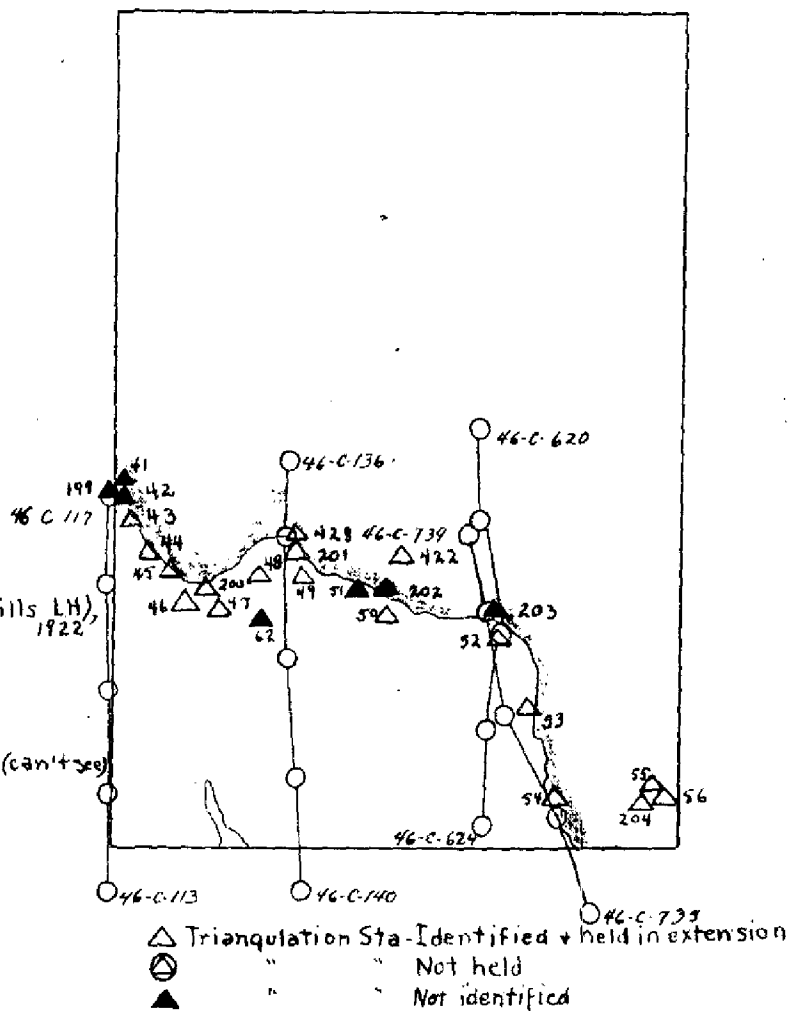
Remarks:

Canadian shoreline and interior compiled by re-setting models where multiplex photo coverage was available. A portion of the shoreline in the northeast corner of this quadrangle was compiled by utilizing the projected image of one diapositive, scaled to a preceding model.

See Review Report, TP 25.

41 Big Trees, 1909
 42 Todd Point
 43 Mound, 1909 (can't see)
 44 Meadow, 1909
 45 Knights Point, 1909
 46 Bog Brook ch. sp., 1909
 47 Narrows, 1909
 48 Pirington, 1909 (can't see)
 49 Quarantine, 1909 (" ")
 50 Hymurch, 1909
 51 Miller, 1909

53 Eaton, 1909
 54 Wilson, 1909
 55 Docket I L.H. Final, 1909
 56 " " 1909
 62 Lane, 1886
 199 Ref. Mon 231, 1921
 200 Ref. Mon 233, (Whitlock Mills L.H.), 1922
 201 Ref. Mon 235, 1922
 202 " " 237, 1921
 203 " " 239
 204 Ref. Monument 242
 422 Spruce Pt. L.H. Final, 1909 (can't see)
 428 Marks Pt. L.H. Final, 1909



Ph-11(46)

T-8787

SKETCH OF HORIZONTAL CONTROL

MAP T. 8787

PROJECT NO. PH-11(46)

SCALE OF MAP

1:8500

SCALE FACTOR

1.17647

| STATION | SOURCE OF INFORMATION (INDEX) | DATUM | LATITUDE OR μ -COORDINATE LONGITUDE OR x -COORDINATE | DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK) | DATUM CORRECTION | N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK) | FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK) |
|--|------------------------------------|-------|---|---|------------------|---|--|
| MOUND, 1909 IBC | Special Pub. No. 46 | N.A. | 45° 10' 28.285" | 8732 979.0 | -23.7 | 849.5 1002.7 | 999.4 1179.6 |
| MEADOW, 1909 IBC | " | " | 67 14 52.225 | 1140.4 169.8 | -2.9 | 1137.5 172.7 | 1338.2 203.2 |
| KNIGHTS PT., 1909 IBC | " | " | 45 10 08.628 | 266.4 1585.8 | -23.7 | 242.7 1609.5 | 285.5 1893.5 |
| NARROWS, 1909 IBC | " | " | 67 14 32.216 | 703.6 606.7 | -2.9 | 700.7 609.6 | 824.4 717.1 |
| | " | " | 45 10 00.720 | 22.2 1830.0 | -23.7 | 45.09 59.953 | |
| | " | " | 67 14 12.662 | 276.6 1033.7 | -2.9 | 1850.7 1.3 | 2177.3 1.7 |
| NARROWS, 1909 IBC | " | " | 45 09 44.789 | 1382.7 469.5 | -23.7 | 273.7 1036.6 | 322.0 1219.5 |
| | " | " | 67 13 35.524 | 775.9 534.5 | -2.9 | 1359.0 493.2 | 1598.8 580.2 |
| PIRINGTON, 1909 IBC | " | " | 45 09 57.869 | 1786.4 65.8 | -23.7 | 773.0 537.4 | 909.4 632.2 |
| | " | " | 67 12 58.396 | 1275.4 34.9 | -2.9 | 1762.7 89.5 | 2073.8 105.2 |
| QUARANTINE, 1909 IBC | " | " | 45 10 03.827 | 118.2 1734.0 | -23.7 | 1272.5 37.8 | 1497.1 44.4 |
| | " | " | 67 12 35.483 | 775.0 535.3 | -2.9 | 94.5 1757.7 | 111.2 2067.8 |
| REFERENCE MONUMENT 235, 1922 IBC | Report I.B.C. | " | 45 10 03.45 | 106.4 1745.8 | -23.7 | 772.1 538.2 | 908.4 633.1 |
| HYMURCH, 1909 IBC | Special Pub. No. 46 | " | 67 12 34.96 | 763.6 546.7 | -2.9 | 82.7 1769.5 | 97.3 2081.7 |
| MILLER, 1909 IBC | Not Plotted Near Ref Mon 237, 1921 | " | 45 09 52.092 | 1608.1 244.1 | -23.7 | 760.7 549.6 | 894.9 646.6 |
| | " | " | 67 11 49.079 | 1071.9 238.5 | -2.9 | 1584.4 267.8 | 1864.0 315.0 |
| MILLER, 1909 IBC | Not Plotted Near Ref Mon 237, 1921 | " | 45 09 45.726 | 1411.6 440.6 | -23.7 | 1069.0 241.4 | 1257.6 284.0 |
| | " | " | 67 11 21.485 | 469.3 841.1 | -2.9 | 1387.9 464.3 | 1632.8 546.2 |
| DE MONTES, 1909 IBC | Not Plotted Near Ref Mon 239, 1921 | " | 45 09 31.016 | 957.5 894.7 | -23.7 | 466.4 844.0 | 548.7 992.9 |
| | " | " | 67 09 51.863 | 1132.9 177.6 | -2.9 | 933.8 918.4 | 1098.6 1080.4 |
| EATON, 1909 IBC | " | " | 45 08 48.601 | 1500.3 351.9 | -23.7 | 1130.0 180.5 | 1329.4 212.4 |
| | " | " | 67 09 23.060 | 503.9 806.9 | -2.9 | 1476.6 375.6 | 1737.2 441.8 |
| WILSON, 1909 IBC | " | " | 45 07 42.745 | 1319.6 532.6 | -23.7 | 501.0 809.8 | 589.4 952.7 |
| | " | " | 67 08 42.914 | 937.9 373.3 | -2.9 | 1295.9 556.3 | 1524.6 654.4 |

1 FT. = 3048006 METER
COMPUTED BY: H.P. Eichert

DATE 1946-1947

CHECKED BY: E.L. Bauman

DATE 1946-1947

M. 2388-12

MAP T-8787

PROJECT NO. PH-11(46)

SCALE OF MAP 1:8500

SCALE FACTOR 1.17647

| STATION Not Plotted - Near Ref Mon 242, 1921 | SOURCE OF INFORMATION (INDEX) | DATUM | LATITUDE OR Y-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) | FORWARD | (BACK) |
| DOCHET I, 1909 ^{IBC} Ref Mon 242, 1921 | Special Pub. No. 46 | N.A. | 45 07 | 43.770 | 1351.1 | 501.1 | -23.7 | 1327.4 | 524.8 | 1561.6 | 617.4 |
| | | | 67 08 | 02.796 | 61.2 | 1250.0 | -2.9 | 58.3 | 1252.9 | 68.6 | 1474.0 |
| DOCHET I. LIGHTHOUSE FINIAL, 1909 ^{IBC} | " | " | 45 07 | 44.195 | 1364.3 | 487.9 | -23.7 | 1340.6 | 511.6 | 1577.2 | 601.8 |
| | | | 67 08 | 02.934 | 64.2 | 1247.0 | -2.9 | 61.3 | 1249.9 | 72.1 | 1470.5 |
| BOG BROOK CHURCH SPIRE, 1909 ^{IBC} | " | " | 45 09 | 43.996 | 1358.2 | 494.0 | -23.7 | 1334.5 | 517.7 | 1570.0 | 609.0 |
| | | | 67 14 | 04.635 | 101.3 | 1209.1 | -2.9 | 98.4 | 1212.0 | 115.8 | 1425.8 |
| LANE, 1866 | USC&GS GP LIST Pg 205 | N.A. 1927 | 45 09 | 31.682 | | | | 978.0 | 874.2 | 1150.6 | 1028.4 |
| | | | 67 13 | 03.192 | | | | 69.7 | 1240.8 | 82.0 | 1459.8 |
| WHITLOCKS MILL LIGHT HO. 1922 ^{IBC} | Report I.B.C. | N.A. | 45 09 | 46.51 | 1435.7 | 416.5 | -23.7 | 1412.0 | 440.2 | 1661.2 | 517.9 |
| | | | 67 13 | 40.76 | 890.3 | 420.1 | -2.9 | 887.4 | 423.0 | 1044.0 | 497.6 |
| MARK POINT LIGHT- HOUSE FINIAL, 1909 ^{IBC} | Special Pub. No. 46 | " | 45 10 | 12.975 | 400.6 | 1451.6 | -23.7 | 376.9 | 1475.3 | 443.4 | 1735.6 |
| | | | 67 12 | 39.064 | 853.1 | 457.2 | -2.9 | 850.2 | 460.1 | 1000.2 | 541.3 |
| SPRUCE POINT LIGHT- HOUSE FINIAL, 1909 ^{IBC} | " | " | 45 10 | 03.057 | 94.4 | 1757.8 | -23.7 | 70.7 | 1781.5 | 83.2 | 2095.8 |
| | | | 67 11 | 09.438 | 206.2 | 1104.1 | -2.9 | 203.3 | 1107.0 | 239.2 | 1302.3 |
| Ref Mon ^{IBC} 237, 1921 | GP List | UA 1927 | 45 09 | 44.943 | | | | | | | |
| Mark Pt, 1909 ^{IBC} | GP List | NA 1927 | 45 10 | 11.822 | | | | | | | |
| Ledge, 1909 ^{IBC} | " | " | 45 10 | 23.045 | | | | | | | |
| | " | " | 67 12 | 18.365 | | | | | | | |
| Spruce Pt, 1909 ^{IBC} | " | " | 45 10 | 02.075 | | | | | | | |
| | " | " | 67 11 | 09.340 | | | | | | | |
| Ref Mon 239, 1921 ^{IBC} | " | " | 45 09 | 30.234 | | | | | | | |
| | " | " | 67 09 | 51.718 | | | | | | | |

1 FT. = 3048006 METERS
COMPUTED BY: H.P. Eichert

DATE 1946-1947

CHECKED BY: E.L. Bauman

DATE 1946-1947

M. 2388-12

MAP T. 8787

PROJECT NO. PH-11 (46)

SCALE OF MAP 1:8500

SCALE FACTOR 1.1718

| STATION | SOURCE OF INFORMATION (INDEX) | DATUM | LATITUDE OR Y-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 | |
|-----------------------------------|-------------------------------|-------|---|--------|---|--------|------------------|---|--------|--|--|
| | | | | | | | | | | | |
| REF. MON. 230, 1921 <i>IBC</i> | E.B.C. REPORT No. 46 | N.A. | 45 10 | 49.02 | 1513.5 | 338.7 | -23.7 | 1489.8 | 362.4 | | |
| | | | 67 14 | 45.98 | 1004.0 | 306.1 | - 2.9 | 1001.1 | 309.0 | | |
| REF. MON. 232, 1921 <i>IBC</i> | " | " | 45 09 | 55.60 | 1716.4 | 135.8 | -23.7 | 1692.7 | 159.5 | | |
| | | | 67 13 | 34.99 | 764.1 | 546.2 | - 2.9 | 761.2 | 549.1 | | |
| REF. MON. 234, 1921 <i>IBC</i> | " | " | 45 10 | 04.47 | 138.0 | 1714.2 | -23.7 | 114.3 | 1737.9 | | |
| | | | 67 13 | 08.13 | 177.6 | 1132.7 | - 2.9 | 174.7 | 1135.6 | | |
| REF. MON. 236, 1921 <i>IBC</i> | " | " | 45 10 | 12.60 | 389.0 | 1463.2 | -23.7 | 365.3 | 1486.9 | | |
| | | | 67 12 | 39.20 | 856.0 | 454.2 | - 2.9 | 853.1 | 457.1 | | |
| REF. MON. 238, 1921 <i>IBC</i> | " | " | 45 10 | 02.85 | 88.0 | 1764.2 | -23.7 | 64.3 | 1787.9 | | |
| | | | 67 11 | 09.49 | 217.3 | 1103.0 | - 2.9 | 204.4 | 1106.0 | | |
| REF. MON. 240, 1921 <i>IBC</i> | " | " | 45 10 | 05.38 | 166.0 | 1686.2 | -23.7 | 142.3 | 1709.9 | | |
| | | | 67 09 | 47.23 | 1103.6 | 278.7 | - 2.9 | 1028.7 | 281.6 | | |
| REF. MON. 241, 1921 <i>IBC</i> | " | " | 45 09 | 14.44 | 445.8 | 1406.4 | -23.7 | 422.1 | 1430.1 | | |
| | | | 67 08 | 19.58 | 427.8 | 882.9 | - 2.9 | 424.9 | 885.8 | | |
| HYBROWN, 1909 <i>IBC</i> | Spec. Pub. No. 46 | " | 45 10 | 28.367 | 875.8 | 976.4 | -23.7 | 852.1 | 1000.1 | | |
| | | | 67 14 | 29.046 | 634.3 | 675.9 | - 2.9 | 631.4 | 678.8 | | |
| * STROUD, 1909 <i>IBC</i> | Near Ref Mon 230, 1921 | Mon | 45 10 | 49.023 | 1513.5 | 338.7 | -23.7 | 1489.8 | 362.4 | | |
| | | " | 67 14 | 45.982 | 1004.0 | 306.1 | - 2.9 | 1001.1 | 309.0 | | |
| SINCLAIR 2, 1908 <i>IBC</i> | " | " | 45 10 | 58.488 | 1805.5 | 46.7 | -23.7 | 1781.8 | 70.4 | | |
| | | | 67 14 | 03.262 | 71.2 | 1238.8 | - 2.9 | 68.3 | 1241.7 | | |
| DONALD, 1909 <i>IBC</i> | " | " | 45 10 | 04.712 | 145.5 | 1706.7 | -23.7 | 121.8 | 1730.4 | | |
| | | | 67 13 | 50.632 | 1105.8 | 204.5 | - 2.9 | 1102.9 | 207.4 | | |
| * HILLS, 1909 <i>IBC</i> | Near Ref Mon 232, 1921 | Mon | 45 09 | 55.572 | 1715.3 | 136.7 | -23.7 | 1691.8 | 160.4 | | |
| | | " | 67 13 | 35.011 | 764.6 | 545.7 | - 2.9 | 761.7 | 548.6 | | |

1 FT. = 3048006 METER

COMPUTED BY: D.M.B.

DATE 12-49 *NOT PLOTTED

CHECKED BY: A.K.H.

DATE 12-49

M. 2388-12

MAP T. 8787

PROJECT NO. PH-11 (46)

SCALE OF MAP 1:8500

SCALE FACTOR 1.1718

| STATION | SOURCE OF INFORMATION (INDEX) | DATUM | LATITUDE OR μ -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) | FORWARD | (BACK) |
| PINE PT., 1909 <i>IBC</i> | Spec. Pub. 46 | N.A. | 45 10 | 04.0542 | 125.23 | 1727.07 | -23.7 | 1031.58 | 1750.4 | | |
| | | | 67 13 | 08.290 | 181.0 | 1129.3 | - 2.9 | 178.1 | 1132.2 | | |
| BROWN, 1909 <i>IBC</i> | " | " | 45 10 | 07.993 | 246.8 | 1605.4 | -23.7 | 223.1 | 1629.1 | | |
| | | | 67 11 | 40.953 | 894.4 | 415.9 | - 2.9 | 891.5 | 418.8 | | |
| BLUFFHEAD, 1909 <i>IBC</i> | " | " | 45 09 | 58.98 | 1820.17 | 31.5 | -23.7 | 1797.0 | 55.2 | | |
| | | | 67 10 | 29.31 | 640.1 | 670.2 | - 2.9 | 637.2 | 673.1 | | |
| BAYSIDE SCHOOLHOUSE 1866 Beyond detail Limits | " | " | 45 08 | 55.913 | 1726.2 | 126.0 | -23.7 | 1702.5 | 149.7 | | |
| | | | 67 07 | 42.004 | 917.6 | 393.1 | - 2.9 | 914.7 | 396.0 | | |
| SAND PT., 1909 <i>Prob. Lost</i> | <i>Prob. Lost</i> | " | 45 08 | 24.524 | 757.1 | 1095.1 | -23.7 | 733.4 | 1118.8 | | |
| | | | 67 07 | 56.059 | 1224.9 | 86.0 | - 2.9 | 1222.0 | 88.9 | | |
| * OAK PT., 1909 <i>IBC</i> | Near Ref Mon 240, 1921 | " | 45 10 | 05.377 | 166.0 | 1686.2 | -23.7 | 142.3 | 1709.9 | | |
| | | | 67 09 | 47.234 | 1031.6 | 278.7 | - 2.9 | 1028.7 | 281.6 | | |
| WARWIG, 1909 <i>IBC</i> | " | " | 45 10 | 23.058 | 711.9 | 1140.3 | -23.7 | 688.2 | 1164.0 | | |
| | | | 67 08 | 41.960 | 916.3 | 393.9 | - 2.9 | 913.4 | 396.8 | | |
| * DE MONTS I. 1866 <i>Lost</i> | " | " | 45 07 | 44.201 | 1364.5 | 487.7 | -23.7 | 1340.8 | 511.4 | | |
| | | | 67 08 | 02.938 | 64.2 | 1247.0 | - 2.9 | 61.3 | 1249.9 | | |
| TODD PT., 1909 <i>IBC</i> | " | " | 45 10 | 41.595 | 1284.1 | 568.1 | -23.7 | 1260.4 | 591.8 | | |
| | | | 67 14 | 54.944 | 1199.6 | 110.5 | - 2.9 | 1196.7 | 113.3 | | |
| LONG PT., 1909 <i>IBC</i> | " | " | 45 10 | 32.311 | 997.5 | 854.7 | -23.7 | 973.8 | 878.4 | | |
| | | | 67 14 | 35.007 | 764.4 | 545.8 | - 2.9 | 761.5 | 548.6 | | |
| * WILEY, 1909 <i>IBC</i> | Near Ref Mon 241 | " | 45 09 | 14.440 | 445.8 | 1406.4 | -23.7 | 422.1 | 1430.1 | | |
| | | | 67 08 | 19.583 | 427.8 | 882.9 | - 2.9 | 424.9 | 885.8 | | |
| OLIVE, 1946 <i>IBC</i> | G.P. List | N.A. 1927 | 45 09 <i>NOT PLOTTED</i> | 27.748 | | | | 856.6 | 995.6 | | |
| | | | 67 14 | 28.752 | | | | 628.0 | 682.5 | | |

1 FT. = 3048006 METER
COMPUTED BY: D.M.B.

DATE Dec. 1949

*NOT PLOTTED

CHECKED BY: A.K.H.

DATE Dec. 1949

FIELD INSPECTION REPORT

TO ACCOMPANY

QUADRANGLE 8787

PROJECT Ph-11 (46)

SEPT. 1946

1 - DESCRIPTION OF AREA:

This $7\frac{1}{2}$ minute quadrangle lies in Washington County, Maine. It is bounded on the north by N. Lat. $45^{\circ}-15'-00''$, on the south by N. Lat. $45^{\circ}-07'-30''$, and on the east and west by W. Long. $67^{\circ}-07'-30''$ and W. Long. $67^{\circ}-15'-00''$ respectively. About one third of this quadrangle lies in the United States and the remaining part is in Canada.

No detailing N. of $45^{\circ}11'15''$

The principal cultural features are U. S. Highway No. 1 which enters the quadrangle on the southeast and extends northwest through the quadrangle paralleling the St. Croix River, which is the International Boundary between the United States and Canada. Vegetation is similar to rest of quadrangles except there is considerably more hard wood. The shoreline, in general, is rocky with ledge bluffs along the U. S. shore of the St. Croix River.

With the exception of a few required vertical elevation points no work was done in the part of the quadrangle lying in Canada.

2 - COMPLETENESS OF FIELD INSPECTION:

Important buildings, roads, bridges and vegetation were classified in accordance with instructions for the project.

The following 1:20,000 scale, single lens photographs were used: 46 C 116, 138, 736, and 738.

3 - INTERPRETATION OF PHOTOGRAPHS:

This subject is covered in detail in the report for quadrangle 8795 and reference is hereby made to that report. Filed in Div. of Phtgy, General Files

4 - HORIZONTAL CONTROL:

25 horizontal control stations were known to exist in the area of the quadrangle lying in the United States. All were searched for and 24 were found. One is considered lost. Form 526, Recovery Note, Triangulation Station, has been executed for each station.

No new horizontal control was required in the quadrangle.

Control stations were identified on the following photographs: 46 C 435, 436, 438, 439, 441, 443, 444, 448, 455, 736, and 737. All are Low Altitude ratio prints except - 46 C 736 and 737, which are 1:8500 scale prints ratioed from the 1:20,000 prints.

5 - VERTICAL CONTROL:

There were 5.6 miles of trigonometric levels run in this quadrangle and 14 temporary elevations established. The code letters BB prefix all spot elevations.

The same methods were used as described in the report for quadrangle 8793.

The 1:20,000 scale, single lens photographs 46 C 137 and 139 were used.

6 - CONTOURS AND DRAINAGE:

Inapplicable.

7 - MEAN HIGH-WATER LINE:

The mean high-water line was delineated on the photographs within 0.5mm of true position.

In general, a boat was used and sailed as far inshore as possible to identify the mean high water line.

Photographs with shoreline and other field inspection used were: 1:8500 ratio prints 46 C 116, 117, 137, 736, 737, and 738.

Low Altitude prints (1:8500 reduced from 1:6000) 46 C 434 - 437 inclusive, and 46 C 445, 448, and 449, also, 46 C 441-444 inclusive.

8 - LOW-WATER LINE:

The approximate low water line was delineated on the photographs when time of inspection was at or about low water, on the low water photographs. See Review Report, # 31.

9 - WHARVES AND SHORELINE STRUCTURES:

There are no wharves or docks of any consequence within the limits of the quadrangle.

10 - DETAILS OFFSHORE FROM HIGH-WATER LINE:

Wherever rocks or ledges were awash at or below mean high water, a note was made on the photograph as to how much the rock or ledge bared, the time and date.

11 - LANDMARKS AND AIDS TO NAVIGATION:

There are no landmarks worthy of charting within the limits of the quadrangle.

Four permanent fixed aids to navigation fall within the limits of this quadrangle, two on the U. S. side of the St. Croix River and two on the Canadian side, each maintained by the respective governments.

The aids are as follow:

(a) Aids to navigation on U. S. side of St. Croix River

1. Whitlock Mills Lighthouse
2. The Ledge Daybeacon

(b) Aids to navigation on Canadian side of St. Croix River

1. Spruce Point Light
2. Marks Point Light

These aids are reported on Form 567. *Chart Letter 584 (49)*

12 - HYDROGRAPHIC CONTROL:

Hydrographic signals were picked on the photograph for use of the hydrographer. These consist mainly of lone trees, or trees that stand out, such as on points of land. Also used for hydrographic signals were large boulders in the water, gables of houses and chimneys. Descriptions of hydrographic signals have been recorded in field sketch-book Vol. 9. An attempt was made to pick sufficient hydrographic signals, except in areas where it was impossible to pick signals with certainty.

Because of sufficient triangulation already established in the area only 2 topographic stations were established: One, The Ledge Daybeacon and the other a gable of a building.

Form 524 "Description of Recoverable Topographic Station" cards were submitted for both stations.

13 - LANDING FIELDS AND AERONAUTICAL AIDS:

None.

14 - ROAD CLASSIFICATION:

Roads inspected were classified in accordance with general instructions, "Classification of Roads", dated 30 June 1945.

15 - BRIDGES:

There are no bridges over navigable water within the limits of the quadrangle.

16 - BUILDINGS AND STRUCTURES:

Buildings and structures were identified on the photographs in conjunction with field inspection.

17 - BOUNDARY MONUMENTS AND LINES:

This is the subject of a special report submitted by Harold A. Duffy, Photogrammetrist. Filed in Div. of Phtg - General Files.

18 - GEOGRAPHIC NAMES:

Same as 17.

19 - SYMBOLS:

Symbols may be found on the back of photograph 46 C 737.

Note: Work was done on items 1, 2, 5, 13, 14, and 16 by
John R. Smith, Eng. Aid.

Items 4, 7, 8, 9, 10, 11, 12, and 15 were done by
Irving I. Saperstein, Eng. Drafts.

Respectfully Submitted:

John R. Smith *Eng. Aid.*
John R. Smith, Eng. Aid

Irving I. Saperstein *Eng. Drafts.*
Irving I. Saperstein, Eng. Drafts.

Approved and Forwarded: 12-27-46

Ross A. Gilmore
Ross A. Gilmore, Chief of Party

COMPILATION REPORT

Project PH-11(46)
Survey T-8787

26. CONTROL

Refer to Project Report, PH-11(46), January 1949, for horizontal and vertical control. Filed in Div. of P & T - General Files

Horizontal Control

The horizontal control in the vicinity of the St. Croix River was found to be very good. The density of control and definition of images were suitable for the multiplex scaling.

Vertical Control

Upon leveling model C623-624, it was found that by holding the water surface and control points BB-5 and BB-8 to ± 0.1 mm, point BB-7 read $\pm 34'$ high.

It was decided that inasmuch as these control points were on the extreme edge of the model, a central level point BB-5 was held with the water surface. The contours in this area were drawn with a dashed line.

These contours were checked by Field Editor.

27. RADIAL PLOT

None

28. DETAILING

Refer to paragraph 3 of "Photo Coverage" of project report.

A small portion of the Canadian inshore detail could not be delineated because of insufficient photo coverage.

29. SUPPLEMENTAL DATA

The following blueprints were furnished by the field inspection party:

- 2 copies - Plan of Land Reserved for Lighthouse Reservation
St. Croix River Light Station, Me., dated 1933.
- 2 copies - Plan of Lots at Narrows, St. Croix River, owned by
G.H.Eaton, A.T. Clarke and U.S.Lighthouse Establish-
ment.
- 2 copies - Whitlock Mills Lt. Sta. Calais, Me., Power Line.

These prints were of no use to the compilation office. They are old and their information does not agree with present day field data.

30. MEAN HIGH WATER LINE

See item 7 of field inspection report.

This was delineated by the usual stereoscopic methods; however, all mean high water line on the Canadian shore was interpreted stereoscopically without the aid of field inspection.

31. LOW WATER AND SHOAL LINES

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE

33. WHARVES AND SHORELINE STRUCTURES

Items 31, 32, and 33 were delineated with the aid of low water, low altitude, 1:8500 scale ratio photos. Complete low water photo coverage was not available. Refer to items 8, 9, and 10 of field inspection report.

See Review Report # 31.

34. LANDMARKS AND AIDS TO NAVIGATION

See item 11, field inspection report.

The following are light list names and corresponding triangulation station names of these aids.

| <u>Light List Name</u> | <u>Triangulation Station Name</u> |
|----------------------------------|--|
| 8 Whitlocks Mill | Whitlocks Mill Lighthouse, 1922 |
| The Ledge Daybeacon - Topo. Sta. | Beacon, 1946 (Recoverable Topo. Sta.) |
| 6 Spruce Point | Spruce Point Lighthouse Final, 1909 |
| 7 Mark Point | Mark Point Lighthouse Final, 1909 |

35. HYDROGRAPHIC CONTROL

Refer to "Topographic and Hydrographic Station" of this project report.

A list of photo-hydro stations is attached.

36. LANDING FIELDS AND AERONAUTICAL AIDS

None.

37. GEOGRAPHIC NAMES

See name list attached.

38. DISCREPANCY OVERLAY

Contours that are incomplete due to clouds or shadows, gaps in photo coverage, and poor level solutions are noted, for completion and checking.

These areas completed by Field Editor.

39. JUNCTIONS

To the north and east is Canada
To the south with T-8788
To the west with T-8786

40. BOUNDARIES

The turning points of the International Boundary Line are plotted from positions in the "International Boundary Report" corrected from North American to North American 1927 datum.

See note on overlay concerning boundary of U.S. Lighthouse Reservation at Whitlocks Mill. Positions obtained for contours by Field Editor.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

A comparison was made with U. S. Geological Survey, Robbinston, Maine, quadrangle, edition of 1931, reprinted 1945. This quadrangle showed topography in the United States only.

Contours are in good general agreement but the heights of tops vary from 20 to 40 feet. Two peaks tested by Field Editor proved the USGS Quadrangle in error.

Cultural changes are few and the comparison as a whole is satisfactory.

45. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with U. S. Coast and Geodetic Survey Chart No. 801, scale 1:40,000, 2nd edition 1949.

The pier shown on the chart east of Todd Point is no longer in existence.

The ruins of the log and rock cribbing at the point of land just north of Devils Head and a pier in ruins at Ford Point are not shown on the chart.

The general conformation of the shoreline of both United States and Canada is in good agreement.

Respectfully submitted

Albert C. Rauck, Jr.
Albert C. Rauck, Jr.
Cartographic Draftsman

Approved and forwarded
July 1949

Thos. B. Reed
Thos. B. Reed
Officer in Charge
Baltimore Photogrammetric Office

NOTES TO HYDROGRAPHER

PH-11(46)

T-8787

Foreshore characteristics of the St. Croix River shoreline has been shown in all areas where low water photography was available. These, and other areas, where no low water data is delineated, will need your investigation and/or verification.

Photo - Hydro Stations

| Signal No. | Photo. No. | Description | Height above MHW |
|-------------|------------|--|------------------|
| 8702 | 736 | Lone 8' spruce at edge of grass line, immediately east of small clearing. | 3' |
| 8703 | 736 | Lone 30' pine at edge of ledge. No branches on lower half on north side 10 m south of stone ramp running north and south. | 5' |
| <u>8704</u> | 736 | East gable of two story white house with brick chimney, about 75 m west of MHWL. | 60' |
| <u>8705</u> | 736 | Brick chimney on pyramidal roof, about 100 m. north of MHWL and 15 m east of U S Highway No. 1. | 75' |
| <u>8706</u> | 736 | Cupola in center of green roofed barn, about 100 m. west of MHWL. | 60' |
| 8707 | 736 | Lone 25' spruce on top of 10' grassy bank, 10 m. north of MHWL at north side of small cove. | 12' |
| <u>8708</u> | 736 | East gable of small white cottage with small window under east gable. | 30' |
| <u>8709</u> | 451 | South gable of red barn with hipped roof. | 45' |
| 8710 | 737 | Lone 25' spruce immediately east of 5' grassy bank. Has no branches on lower half, only tree in vicinity. | 5' |
| <u>8711</u> | 445 | South gable of 1½ story unpainted cottage with dormer on east side. | 35' |
| <u>8712</u> | 445 | Brick chimney of one story shingle cottage, about 50 m north of cottage with hipped roof. | 50' |
| <u>8713</u> | 445 | Center of red shingle pyramidal roof of one story cottage. | 35' |
| <u>8715</u> | 445 | Brick chimney in center of two story shingle dwelling with red shingle roof. Glass inclosed porch on south and east sides. | 45' |

Notes to Hydrographer

| Signal No. | Photo. No. | Description | Height above MHW |
|---------------|------------|---|------------------|
| 8716 | 738 | Lone 30' pine in clearing, 40 m west of MHWL | 458 |
| <u>8717</u> ✓ | 445 | Gable of triangular shaped dormer on east side of two story house. Flagpole 3 m east of house | 25' |
| <u>8718</u> ✓ | 738 | South gable of two story green house with shingle roof, flagstaff on gable of dormer on east side. | 60' |
| 8719 | 738 | Lone 18' spruce on extreme tip of land. | 5' |
| 8720 | 738 | Lone 30' pine on crest of hill among group of birches, about 50 m west of MHWL. Tallest and most prominent in vicinity. | 50' |
| <u>8721</u> ✓ | 443 | North gable of one story cottage with green shingled hipped roof. | 30' |
| <u>8722</u> ✓ | 443 | Brick chimney on 1½ story white cottage with green shingle roof, porch on north and west sides. | 25' |
| 8723 | 137 | 25' leaning spruce on northwest tip of small cove, 2 m south of MHWL. | -- |
| <u>8724</u> ✓ | 443 | North gable of two story stone house, date "1825" on brick chimney. | 35' |
| <u>8725</u> ✓ | 137 | Brick chimney in center of two story unpainted shingle house on crest of hill. About 100 m. south of MHWL. | 75' |
| 8726 | 137 | Lone 25' double spruce at edge of 5' bank, 2 m. south of MHWL. | 3' |
| <u>8727</u> | 437 | North gable of shingled roof barn about 35 m south of MHWL. | 50' |
| <u>8728</u> | 437 | North gable of three story white house with blue shingle roof. Two brick chimneys and dormer window on east side. | 75' |
| 8729 | 116 | 15' spruce 10 m south of a prominent point of land. Most northern spruce. | 6' |
| <u>8730</u> | 436 | Finial of ventilator on shingled barn, about 25 m southwest of MHWL. | 35' |
| <u>8731</u> | 436 | South gable of shingled barn which is attached to east side of dwelling. | 40' |
| <u>8732</u> | 436 | North gable of 1½ story dwelling with shingle roof and two brick chimneys. About 40 m west of | |

Notes to Hydrographer

| Signal No. | Photo. No. | Description | Height above MHW |
|----------------------------|---------------|---|------------------------|
| <u>8732</u> (continued) | 436 | U.S. Highway No. 1 and 30 m east of shingled barn. | 50' |
| <u>8733</u> | 436 | East gable of shingled barn, 10 m northeast of dwelling with three brick chimneys | 40' |
| 8734 | 116 | Lone 35' pine, 3 m west of MHWL. Only pine in vicinity and very prominent. | 6' |
| <u>8735</u> | 435 | Brick chimney in center of two story white house with shingled roof and three dormer windows on east side, about 35 m west of MHWL. | 45' |
| <u>8736</u> | 434 | Center of ventilator, on shingled barn attached to two story white L-shaped dwelling, about 100 m west of MHWL. | 50' |
| <u>8737</u> | 434 | Brick chimney in center of 1½ story white house attached to north side of the larger building. At the St. Croix County Club. | 45' |

Respectfully submitted
July 1949

Albert C. Rauck, Jr.
Albert C. Rauck, Jr.
Cartographic Draftsman

Approved and forwarded
July 1949

Thos B Reed
Thos. B. Reed
Officer in Charge
Baltimore Photogrammetric Office

GEOGRAPHIC NAMES

T-8787

- Beaver Brook ✓
- Beaver Lake ✓
- Bog Brook School ✓

- Calais (district) ✓
- Canada *
- Carson Heath ✓
- Cook Cove ✓
- Charlotte County *
- Devils Head ✓
- ~~Becket~~ St. Croix Island (U.S.B.-N. 1949 Decision)

- Elliott Flats ✓
- Elliott Mountain ✓

- Flowed Land Ponds ✓
- Ford Point ✓

- Hill Point ✓*
- Hills Point *

- Knights Point ✓

- Maine ✓
- Mark Point ✓*
- Miller Point ✓
- Moosehorn National Wildlife Refuge (From Report T 8792)
- Nashs Lake ✓
- New Brunswick ✓*
- Oak Bay ✓*
- Oak Point ✓*

- Pagans Cove ✓*
- Pettegrove Point ✓
- Plaister Point *

- Raven Head *

- Sandy Point ✓*
- St. Croix River ✓
- Spruce Point *

- St. Croix Community Club

- The Ledge ✓*
- The Narrows ✓
- Todd Point ✓

- United States ✓

- Vose Pond ✓

- Waweig River ✓*
- Washington County ✓

- U. S. No. 1

* Names in Canada

- Milltown
- Calais (City)
- Red Beach
- Robbinston

} Road.
Destinations

Names preceded by •
are approved. 8-5-49
W. Heck

Field Edit Report, T-8787

51. Methods.--All roads were traversed by truck or Jeep to check their classification; to check the vegetation delineation; to reclassify buildings; and to visually check contours and planimetry.

The mean high-water line, rocks and ledges were inspected from a skiff and outboard motor at or near low-water. Where a feature required an elevation it was labeled as to height at the time it was visited, the time and date being recorded on the photograph. Exact heights will have to be computed from the actual tidal data when available from the Eastport, Maine tide gauge.

Standard planetable methods were used to contour an area at Miller Point, to determine if additional contours existed in an area about 1 mile southeast of Miller Point, and to test dashed line contours in an area of about $1\frac{1}{2}$ sq. miles in the southeastern part of the quadrangle.

The corners of the Lighthouse property at The Narrows were located by theodolite traverse.

Field edit information is shown on the following: Discrepancy Print; Field Edit Sheet; and photographs 1:8,500 scale 46 C 116, 117, 139, 620, 621, 622, 623, 624, 737, 738, 739; low altitude 46 C 447 and 455; and 1:20,000 scale 46 C 619.

Where information is shown on the photographs it is cross-referenced as to the number on the Discrepancy Print or Field Edit Sheet.

Red ink was used for corrections and additions; green for deletions. No legend is shown.

52. Adequacy of compilation.--After application of field edit data the compilation will be adequate and complete on the United States side and the Canadian high-water line and foreshore.

53. Map accuracy.--Two vertical accuracy tests were run in the southeastern part of the quadrangle across dashed line contours.

The test at approximate Lat. $45^{\circ}08.7'$, Long. $67^{\circ}10'$, originated and was terminated vertically at a trigonometric level elevation. The closure was 0.4 ft. Horizontally it originated at an acute road intersection and was terminated at the same point. The closure was 30 feet. No adjustment was made.

The test at approximate Lat. $45^{\circ}08'$, Long. $67^{\circ}09.4'$, originated at bench mark F-65 and was terminated at a trigonometric level elevation. The closure was 0.9 ft. Horizontally it originated and was terminated at road intersections. The closure was 25 feet. No adjustment was made.

Both tests were run on 1:8,500 scale photographs and horizontal adjustments were made where necessary at identifiable topographic features along the line.

54. Recommendations.--No recommendations are offered.

55. Examination of proof copy.--Mr. Austin Lincoln whose address is Red Beach, Maine, has agreed to examine a proof copy of the map. He is highly familiar with the area, a long time resident, and is believed to be qualified to make an adequate examination.

No discrepancies in geographic names was noted.

Respectfully submitted,
October 28, 1949

George E. Varnadoe
George E. Varnadoe,
Cartographic Engineer

ADDENDUM TO T-8787

The Canadian shoreline east of St. Croix Island was drawn in the multiplex using model 46C-618-619.

Shoreline points along Cooks Cove and triangulation station DOCHET I. L.H. FINIAL were used for horizontal control in the original compilation.

During the time of field edit Ref. Mon. 243 was identified on photo 46C-619R. Using this additional control, model 46C-618-619 was reset in the multiplex to check the accuracy of the shoreline as previously compiled. The Canadian shoreline and the planimetry in this model were checked and found to be correct as previously compiled.

Approved and forwarded
December 1949

Respectfully submitted
21 December 1949

Hubert A. Paton
Officer in Charge
Baltimore Field Office

Henry J. Eichert
Cartographer

(C O P Y)

KNOW ALL MEN BY THESE PRESENTS, that I, George H. Eaton of Calais, in the County of Washington and State of Maine, in consideration of Eight Hundred Dollars paid by the United States of America, the receipt whereof I do hereby acknowledge, do hereby remise, release bargain, sell and convey and forever Quit Claim unto the said United States of America their assigns forever, all that certain lot or parcel of land being Lot Number One (1) as designated on a Plan of lots at Bog Brook in Calais aforesaid surveyed October 10, 1894 by D. F. Maxwell for George H. Eaton, Esq., and D. V. Clarke (which plan is now in the possession of said Eaton) containing two (2) acres and bounded and described as follows, to wit: beginning at a marked fir tree on the banks of the St. Croix River and thence running south, thirty eight degrees (38) west, 214 feet to a small cedar tree, thence running north fifty one degrees, forty five minutes west (51 45') 380 feet to a stake, thence running north fifty degrees, thirty minutes east, (50 30') about 290 feet to a stake on the bank of said river and thence continuing the same course to low water mark; thence running down river by low water mark 328 feet more or less to a point; thence running from said point by line projected therefrom south thirty eight (38) degrees west to the said fir tree begun at on the bank of the river. Excepting from the foregoing a certain lot of land containing one hundred square feet as described in a deed of Aaron V. Tucker to said United States dated October 23, 1901, recorded in the Registry of Deeds for Washington County, Volume 235, page 459, and be it understood that this deed is made and executed for and in the place of a deed of the same premises herein described, which was made and executed by me to the said grantee herein, some months since and which has been mislaid or lost, which was not delivered, and this deed cancels and makes that deed void.

TO HAVE AND TO HOLD the same, together with all the privileges and appurtenances thereunto belonging, to them the said United States of America their assigns forever.

And I do covenant with the said United States of America their assigns, that I will warrant and forever defend the premises to them the said Grantees, their assigns forever, against the lawful claims and demands of all person claiming by through or under me.

IN WITNESS WHEREOF I the said George H. Eaton and Elizabeth W. Eaton wife of the said George H. Eaton joining in this deed as grantors and relinquishing and conveying all rights by descent and all other rights in the

above described premises, have hereunto set our hands and seals this twenty eighth day of September in the year of our Lord one thousand nine hundred and seven.

Signed, sealed and delivered in

presence of

Louis W. Eaton witness to

George H Eaton (Seal)

G.H. & E.W.E.

Elizabeth W. Eaton (Seal)

State of Maine, Washington ss. City of Calais, October 14th, 1907. Personally appeared the above named George H. Eaton and acknowledged the above instrument to be his free act and deed.

Before me

George R. Gardner,

Justice of the Peace.

Received Dec. 26, 1907, 8H 45m A. M. Entered and compared by

B. F. Kibby,
Register

Copied from Vol. 279, Page 155; Washington Co. Registry of Deeds.

Review Report T-8787
Topographic Map
June 16, 1950

26.-Control

The only triangulation stations shown in Canada are along the edge of the detail limits. All stations that were reported lost or are beyond the detail limits were deleted. Several stations were not plotted since they are very close to stations already shown. Notes were added to the Form M-2388-12 indicating the status of each station.

Four USC&GS and three USGS bench marks were recovered in the field and are shown on the map manuscript.

28.-Detailing

Detailing inshore from the MEW line in Canada is incomplete and has been neither field inspected nor edited and is shown only for the information of the Hydrographic Party. This detail is not to be published.

31.-Mean Low Water Line

Low altitude photographs covering the entire shoreline on the United States side, were flown at low water. The approximate MLW line was compiled from these photographs and reconciled with the Hydrographic Surveys. The approximate MLW line in Canada was taken from the Hydrographic Surveys and symbolized in accordance with the Field Editor's notes.

All information added from the Hydrographic Surveys has been shown in purple ink and will not appear on the registered copy. See attached letter, "History of Hydrographic Information", for sources.

44.-Comparison with Existing Surveys

- | | | |
|----|---|-----------------|
| a) | USGS Robbinston Quad 1:62,500 | 1931 Repr. 1945 |
| | International Boundary Commission, Sheet 14 | 1:24,000 1925 |
| b) | T-1150 | 1:10,000 1869 |
| | T-1669 | " 1885-88 |
| | T-1828 | " 1866 |

This map supersedes these surveys in common area for nautical charting purposes.

47.-Adequacy of the Compilation

This map, T-8787, is a complete topographic map and has been compared and reconciled with all hydrographic and topographic surveys of record in this Bureau and is, therefore, the most complete and accurate topographic map of record in the area covered. See paragraph 28 relative to detail in Canada.

48.-Accuracy Tests

The vertical accuracy test run on this quadrangle meets the project requirements. This map complies with the National Standards of Map Accuracy.

49.-Overlays

An overlay was prepared showing the border information, road classifications and route numbers, triangulation stations, bench marks, aids to navigation, boundary markers and selected spot elevations that are to be shown by the draftsman.

Reviewed by:

C. Theurer *Charles Theurer*

Approved by:

A. V. Griffith
Chief, Review Section *A. H. M.*
Division of Photogrammetry *MS*

W. Edmonstone
Chief, Nautical Chart Branch
Division of Charts

O. J. Reading
Chief, Division of Photogrammetry

W. M. Scaife
Chief, Div. of Coastal Surveys
LSH

HISTORY OF HYDROGRAPHIC INFORMATION

T-8787

Devils Head, Maine Quadrangle

Hydrography was applied to the manuscript of this quadrangle in accordance with Division of Photogrammetry request of 7 September 1950, and with general specifications of 18 May 1949.

The depths are in feet at mean low water and originate with the following surveys and charts:

USC&GS Hydrographic Surveys

H-1795 (1887) 1:10,000
H-1796 (1887) 1:10,000

USE Hydrographic Surveys

BP-46658 (1949) 1:2,000
BP-46659 (1949) 1:2,000
BP-46660 (1949) 1:2,000

USC&GS Nautical Chart

801 (1949) 1:40,000

Bottom contours are shown at 0 (represented by a dotted line), 6, 12, 18, 30, 60, and 120 feet.

The hydrography was compiled by R. E. Elkins and checked by G. F. Jordan.

R. E. Elkins

R. E. Elkins,
19 September 1950
Nautical Chart Branch

HISTORY OF HYDROGRAPHIC INFORMATION

T-8787

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USE Hydrographic Surveys

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R.E.E.
R. E. Elkins,
19 September 1950
Nautical Chart Branch