

8791 $\frac{S}{N}$ & $\frac{N}{N}$

Diag. Cht. No. 801

$\frac{N}{N}$
&
 $\frac{S}{N}$
1628

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	TOPOGRAPHIC
Field No. Ph-11(46)	Office No. T-8791
Quoddy (and Eastport)	
LOCALITY	
State	MAINE
General locality	WASHINGTON COUNTY
Locality	EASTPORT
1946-49	
CHIEF OF PARTY	
R. A. Gilmore, Chief of Field Party.	
T. B. Reed, Baltimore Photogrammetric Office	
LIBRARY & ARCHIVES	
DATE	December 12, 1952

B-1670-1 (1)

DATA RECORD

T - 8791

Project No. (II): PH-11(46)

Quadrangle Name (IV): Quoddy (and Eastport)

Field Office (II): Machias, Me.

Chief of Party: Ross A. Gilmore

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: Thos. B. Reed

Instructions dated (II) (III): May, September, 1946

Copy filed in Division of
Photogrammetry (IV)
Office Files

Method of Compilation (III): Air Photographic (multiplex)

Manuscript Scale (III): 1:8500

Stereoscopic Plotting Instrument Scale (III): 1:8500

Scale Factor (III): 1.0

Date received in Washington Office (IV): 7-19-49 Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 10-6-50

Publication Scale (IV): 1:25000

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): RANGE MARK 8, (I.B.C.)

Lat.: 44° 54' 32.66"

Long.: 66° 59' 42.91"

Adjusted
~~ON 10/10/50~~

Plane Coordinates (IV):

State: Maine

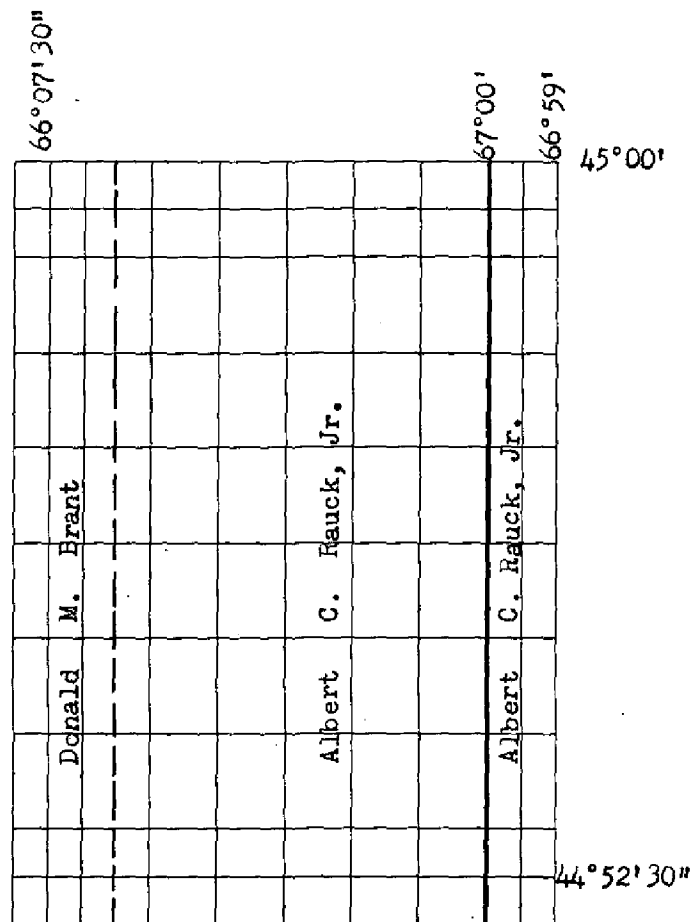
Zone: East

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.



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

DATA RECORD

Field Inspection by (II):	Lewis V. Evans, III Irving I. Saperstein John R. Smith	Date:	Aug. 1946 Sept. 1946 Aug. 1946
Planetable contouring by (II):	George E. Varnadoe Henry P. Eichert	Date:	Sept-Oct. 1949
Completion Surveys by (II):	William W. Shearouse John R. Smith	Date:	
Mean High Water Location (III) (State date and method of location): Sept. 1946 (See "Shoreline Location" Project Report for this project)			
Projection and Grids ruled by (IV):	H.R.	Date:	Dec 1947
Projection and Grids checked by (IV):	H R	Date:	"
Control plotted by (III):	D. M. Brant A. C. Rauck, Jr.	Date:	Jan. 1948 July 1948
Control checked by (III):	M.T. Jacob A.C. Rauck, Jr.	Date:	July 1948 July 1948
Radial Plot or Stereoscopic Control extension by (III):	A.C. Rauck, Jr.	Date:	Sept. Nov. Dec. 1948
	Planimetry A. C. Rauck, Jr.	Date:	Oct. Nov. Dec. 1948
Stereoscopic Instrument compilation (III):	Contours A.C. Rauck, Jr.	Date:	Oct. Nov. Dec. 1948
Manuscript delineated by (III):	B. Wilson N/2, A.C. Rauck, Jr. S/2	Date:	April, May, June, 1949
Photogrammetric Office Review by (III):	Albert K. Heywood	Date:	June 1949
Elevations on Manuscript checked by (II) (III):	A. K. Heywood	Date:	June 1949

Camera (kind or source) (III):

U.S.C. & G.S. Type "C" 6" Metrogon Lens

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
C-483-C-492 (incl.)	5-29-46	1510	1:6,000	1.6' below MLW
C-493-C-509 "	"	1515	"	1.7' below MLW
C-510-C-520 "	"	1520	"	1.7' below MLW
C521 - C536 "	-- "	1525	"	1.8' below MLW
C552 - C563 "	"	1530	"	1.8' " "
C564 - C578 "	"	1535	"	1.8' " "
C665 - C671 "	5-30-46	1040	1:20,000	0.6' above MHW
C680-C-684 "	"	1105	"	0.3' " "
C685-C692 "	"	1125	"	17.7' " MLW
C710-C715 "	"	1145	"	16.3' " "
C716-C-719 "	"	1155	"	15.3' " "
C727-C-730 "	"	1115	"	17.7' " "

Tide (III)

Reference Station: Eastport, Me.

Subordinate Station: Garnet Point, Cobscook Bay, Me.

Subordinate Station: Gleason Cove, Western Passage, Me.

(See "Remarks" below)

Washington Office Review by (IV): C. Theurer

Ratio of Ranges	Mean Range	Spring Range
1.0	18.2	20.7
1.0	19.1	21.8
1.0	18.4	20.9

Date: 4-27-50

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 30

Shoreline (More than 200 meters to opposite shore) (III): 77

Shoreline (Less than 200 meters to opposite shore) (III): 8

Control Leveling - Miles (II): 15

Number of Triangulation Stations searched for (II): 58

Recovered: 33

Identified: 33

Number of BMs searched for (II): 29

Recovered: 20

Identified: 20

Number of Recoverable Photo Stations established (III): 70

Number of Temporary Photo Hydro Stations established (III): 227

Remarks: Additional Subordinate Stations

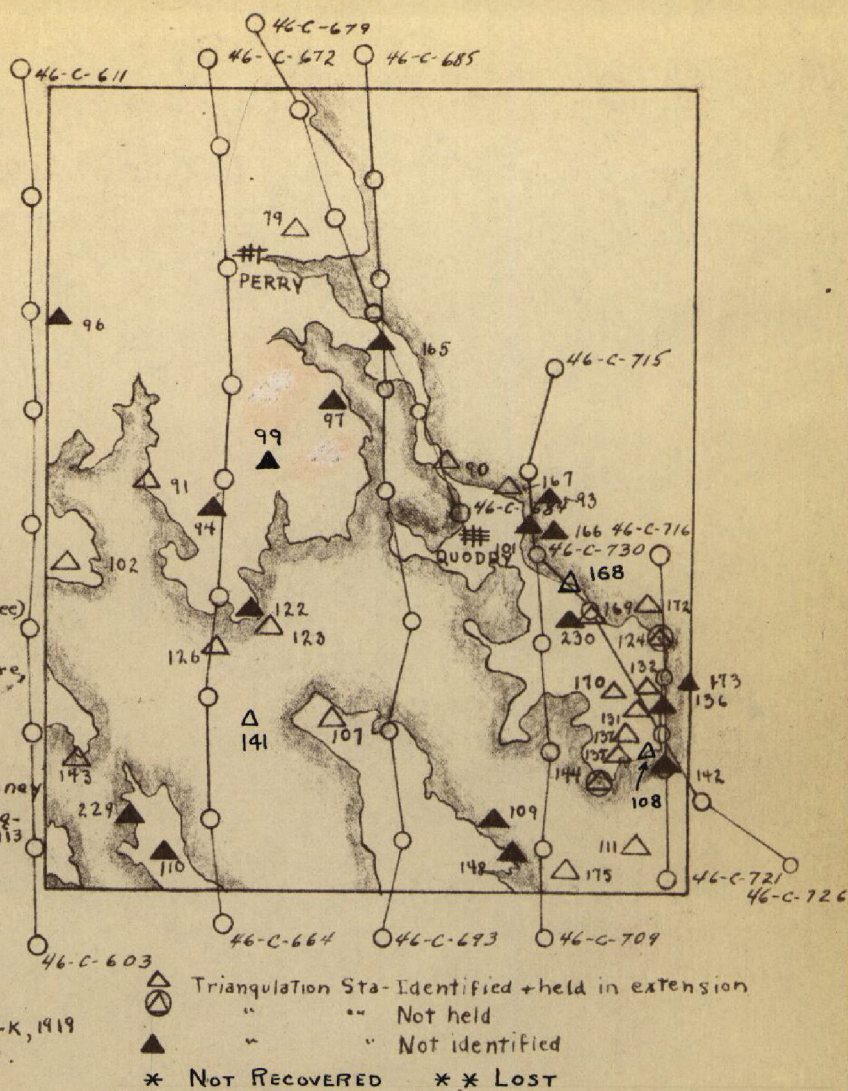
Deep Cove, Moose I. Cobscook Bay, Me.

Coffin Point, Cobscook Bay, Me.

Ratio of Ranges	Mean Range	Spring Range
1.0	18.7	21.3
1.0	18.3	20.8

The south half of this 7½ minute quadrangle is extended east to longitude 66°59' to include Eastport and Treat I. Another extension was added to include the Canadian Shoreline. It will be registered with the south half of this Quadrangle.

- 79 Perry White ch. Spire, 1913
 90 Carlow Island Chimney, 1893
~~91 Leach, 1887 Destroyed~~
 ** 93 Kendall Point, 1894
 94 William L., 1887
 96 Smart, 1887
 97 Trott, 1887
 99 Cannon, 1887
 101 Kendall 2, 1893
 102 Henshey, 1887
 107 Gove, 1886
 * 109 Comstock 2, 1861
 * 110 Denboe, 1861
 111 Treat 2, 1893
~~122 Lincoln's Pt. White Ho. Left one of main chimneys Destroyed~~
 123 Birch, 1887
 124 Clark ledge Bn, 1913 (can't see)
 126 Red Island, 1886
 131 Eastport Congregational Ch. Spire,
~~131 " Unitarian ch. Spire, 1910 Destroyed by fire~~
 132 " Catholic Ch. Spire, 1910
 132 " Stanpipe, 1910
 135 " Salt Works Brick Chimney
 136 Eastport, Weather Bureau Flag-
 137 Gable Cross Ho. US & CBS, 1893, 1913
 142 Head, 1913
 143 Point Leighton, 1887
 144 Esty, 1861
 * 148 Comstock 1, 1860
 165 Pleasant Point, 1913
 166 Kendall Head, Reference Mark, 1919
 167 U.S. Range Mark No. 5 I.B.C.
 167 " " " No. 6 "
 169 " " " No. 7 "
 170 " " " No. 8 "
 172 " " " No. 13 "
 172 " " " No. 21 "
 172 " " " No. 22 "
 175 Gull, 1919
 * 229 Cooper, 1918
 ** 230 No. Gable Red Roof Barn
 * 110 Case, 1886
 173 Range Mark No. 14 I.B.C.
 168 " " " 9 "
 168 " " " 10 "
 108 " " " 19 "
 108 " " " 20 "
 108 " " " 29 "
 108 " " " 30 "
 111 " " " 21 "
 111 " " " 22 "
 111 " " " 31 "
 111 " " " 32 "



(Identified) 136A EASTPORT WEATHER BUREAU BLACK SIGNAL POLE, 1913
 136 " " " NAT. FLAGSTAFF, 1913
 141 RAZOR I., 1886

Ph-II(46)
 T- 8791

SKETCH OF HORIZONTAL CONTROL

MAP T- 8791		PROJECT NO. PH-11(46)		SCALE OF MAP 1:8500		SCALE FACTOR 1.17647	
STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR α -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)
RANGE MARK 5 1919	Report I.B.C.	N.A.	44 56 12.87	397.3 1454.9	-23.8	373.5 1478.7	439.4 1739.7
" " 6 "	"	"	67 01 10.58	232.0 1083.6	- 2.4	229.6 1086.0	270.1 1277.7
" " 7 "	"	"	44 56 07.96	245.7 1606.5	-23.8	221.9 1630.3	261.1 1918.0
" " 8 "	"	"	67 01 16.15	354.1 961.6	- 2.4	351.7 964.0	413.9 1134.0
" " 9 "	"	"	44 55 10.96	338.3 1513.9	-23.8	314.5 1537.7	370.1 1809.0
" " 10 "	"	"	67 00 05.62	123.3 1192.7	- 2.4	120.9 1195.1	142.2 1406.0
" " 11 "	"	"	44 54 33.43	1032.0 820.2	-23.8	1008.2 844.0	1186.1 993.0
" " 12 "	"	"	66 59 43.02	943.7 372.5	- 2.4	941.3 374.9	1107.4 441.1
" " 13 "	"	"	44 55 22.63	698.6 1153.6	-23.8	674.8 1177.4	793.9 1385.2
" " 14 "	"	"	67 00 21.23	465.6 850.4	- 2.4	463.2 852.8	544.9 1003.3
" " 15 "	"	"	44 55 16.60	512.4 1339.8	-23.8	488.6 1363.6	574.9 1604.2
" " 16 "	"	"	67 00 30.40	666.7 649.3	- 2.4	664.3 651.7	781.6 766.6
" " 17 "	"	"	44 55 07.46	230.3 1621.9	-23.8	206.5 1645.7	242.9 1936.2
" " 18 "	"	"	66 59 22.58	495.2 820.9	- 2.4	492.8 823.3	579.9 968.5
" " 19 "	"	"	44 54 42.15	1301.1 551.1	-23.8	1277.3 574.9	1502.8 676.3
" " 20 "	"	"	66 59 02.30	50.5 1265.7	- 2.4	48.1 1268.1	56.5 1492.0
" " 21 "	"	"	44 53 52.02	1605.8 246.3	-23.8	1582.0 270.1	1861.2 317.8
" " 22 "	"	"	66 59 12.59	276.2 1040.2	- 2.4	273.8 1042.6	322.0 1226.7
" " 23 "	"	"	44 53 53.01	1636.4 215.7	-23.8	1612.6 239.5	1897.2 281.8
" " 24 "	"	"	66 59 17.51	384.2 932.2	- 2.4	381.8 934.6	449.1 1099.6
" " 25 "	"	"	44 52 41.87	1292.5 559.6	-23.8	1268.7 583.4	1492.6 686.4
" " 26 "	"	"	66 59 16.09	353.2 963.7	- 2.4	350.8 966.1	412.6 1136.7
" " 27 "	"	"	44 52 42.74	1319.3 532.8	-23.8	1295.5 556.6	1524.2 654.8
" " 28 "	"	"	66 59 25.75	565.2 751.7	- 2.4	562.8 754.1	662.1 887.2

1 FT. = 3048006 METER

COMPUTED BY H.P. Eichert

DATE Winter -1946-1947

CHECKED BY Edwin L. Bauman

DATE Winter 1946-1947

M-2388-12

MAP T. 8791

PROJECT NO. PH-11(46)

SCALE OF MAP 1:8500

SCALE FACTOR

1.17647

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	
					FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
RANGE MARK 29 1979	Report I.B.C.	N.A.	44 53	48.95	1511.0	341.1	-23.8	1487.2	364.9	1749.8	429.2
" " 30 "	"	"	66 59	20.14	441.9	874.6	-2.4	439.5	877.0	517.1	1031.7
" " 31 "	"	"	44 53	53.17	1641.3	210.8	-23.8	1617.5	234.6	1903.0	276.0
" " 32 "	"	"	66 59	21.03	461.4	855.1	-2.4	459.0	857.5	540.0	1008.8
" " 31 "	"	"	44 52	32.83	1013.4	838.7	-23.8	989.6	862.5	1164.4	1014.6
" " 32 "	"	"	66 59	26.77	587.6	729.4	-2.4	585.2	731.8	688.5	860.9
" " 32 "	"	"	44 52	40.29	1243.7	608.4	-23.8	1219.9	632.2	1435.2	743.8
" " 32 "	"	"	66 59	31.42	689.6	627.3	-2.4	687.2	629.7	808.5	740.8
EASTPORT WEATHER BUREAU, BLACK SIGNAL POLE, 1913 IBC	Special Pub. No. 46	"	44 54	21.697	669.8	1182.4	-23.8	646.0	1206.2	760.0	1419.1
EASTPORT SALT WORKS BRICK CHIMNEY, 1913 USC&GS	"	"	66 59	08.585	188.3	1128.0	-2.4	185.9	1130.4	218.8	1329.8
EASTPORT CATHOLIC CHURCH SPIRE, 1910 USC&GS	"	"	44 53	41.583	1283.6	568.5	-23.8	1259.8	592.3	1482.2	696.7
EASTPORT STANDPIPE, 1910 USC&GS	"	"	66 59	35.789	785.4	531.1	-2.4	783.0	533.5	921.0	627.8
EASTPORT CONGREGATIONAL CHURCH SPIRE, 1910 USC&GS	"	"	44 54	23.119	713.7	1138.5	-23.8	689.9	1162.3	811.7	1367.4
EASTPORT STANDPIPE, 1910 USC&GS	"	"	66 59	30.001	658.2	658.1	-2.4	655.8	660.5	771.5	777.1
EASTPORT CONGREGATIONAL CHURCH SPIRE, 1910 USC&GS	"	"	44 54	25.898	799.4	1052.8	-23.8	775.6	1076.6	912.6	1266.5
EASTPORT WEATHER BUREAU FLAGSTAFF, 1913 IBC	"	"	66 59	23.763	521.3	795.0	-2.4	518.9	797.4	610.5	938.1
EASTPORT WEATHER BUREAU FLAGSTAFF, 1913 IBC	"	"	44 54	16.181	499.5	1352.7	-23.8	475.7	1376.5	559.6	1619.5
EASTPORT WEATHER BUREAU FLAGSTAFF, 1913 IBC	"	"	66 59	16.732	367.1	949.2	-2.4	364.7	951.6	429.1	1119.5
EASTPORT WEATHER BUREAU FLAGSTAFF, 1913 IBC	"	"	44 54	11.317	349.3	1502.9	-23.8	325.5	1526.7	383.1	1796.0
EASTPORT WEATHER BUREAU FLAGSTAFF, 1913 IBC	"	"	66 59	21.236	465.9	850.4	-2.4	463.5	852.8	545.3	1003.3
EASTPORT WEATHER BUREAU FLAGSTAFF, 1913 IBC	"	"	44 54	21.497	663.6	1188.6	-23.8	639.8	1212.4	752.7	1426.4
EASTPORT WEATHER BUREAU FLAGSTAFF, 1913 IBC	"	"	66 59	08.711	191.1	1125.2	-2.4	188.7	1127.6	222.0	1326.6
EASTPORT WEATHER BUREAU FLAGSTAFF, 1913 IBC	"	"	44 54	21.661	668.7	1183.5	-23.8	644.9	1207.3	758.7	1420.4
EASTPORT WEATHER BUREAU FLAGSTAFF, 1913 IBC	"	"	66 59	08.784	192.7	1123.6	-2.4	190.3	1126.0	223.9	1324.7

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

DATE Winter 1946-1947

CHECKED BY: Edwin L. Bauman

DATE Winter 1946-1947

M. 2388-12

MAP T. 8791

PROJECT NO. PH-11(46)

SCALE OF MAP 1:8500

SCALE FACTOR 1.17647

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -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
EASTPORT REFERENCE MARK, 1913 <i>IBC</i>	Report I.B.C.	N.A.	44 54 48.75 66 59 36.61	1504.9 347.3 803.1 513.1	-23.8 - 2.4	1481.1 371.1 800.7 515.5	1742.5 436.3 942.0 606.5
ESTY, 1861 <i>USCGS</i>	Special Pub. No. 46	"	44 53 33.146 66 59 52.728	1023.1 829.0 1157.1 159.5	-23.8 - 2.4	999.3 852.8 1154.7 161.9	1175.8 1003.2 1358.5 190.4
CLARK LEDGE BEACON, 1913 <i>USCGS</i>	"	"	44 54 56.054 66 59 06.764	1730.3 121.9 148.4 1167.7	-23.8 - 2.4	1706.5 145.7 146.0 1170.1	2007.8 171.3 171.8 1376.6
CARLOW ISLAND	"	"	44 56 34.07	1051.7 800.5	-23.8	1027.9 824.3	1209.4 969.7
CHIMNEY, 1893 <i>C+G-S</i>	"	"	67 02 10.47	229.6 1085.9	- 2.4	227.2 1088.3	267.3 1280.3
RED ISLAND, 1886 <i>C+G-S</i>	"	"	44 54 44.811 67 04 57.760	1383.3 468.9 1267.1 49.1	-23.8 - 2.4	1359.5 492.7 1264.7 51.5	1599.4 579.7 1487.9 60.6
POINT LEIGHTON, 1887 <i>C+G-S</i>	"	"	44 53 44.053 67 06 55.356	1359.8 492.3 1214.6 101.9	-23.8 - 2.4	1336.0 516.1 1212.2 104.3	1571.9 607.1 1426.2 122.6
LEACH, 1887	"	"	44 56 22.887 67 06 03.005	706.5 1145.7 65.9 1249.7	-23.8 - 2.4	682.7 1169.5 63.5 1252.1	803.2 1375.9 74.7 1473.1
PERRY WHITE CHURCH SPIRE, 1913 <i>C+G-S</i>	"	"	44 58 39.791 67 04 12.370	1228.3 623.9 271.0 1043.6	-23.8 - 2.4	1204.5 647.7 268.6 1046.0	1417.2 761.9 316.0 1230.6
WILLIAM L., 1887 <i>C+G-S</i>	"	"	44 56 04.038 67 05 09.448	124.6 1727.6 207.2 1108.5	-23.8 - 2.4	100.8 1751.4 204.8 1110.9	118.7 2060.4 240.9 1307.0
LINCOLN POINT WHITE HOUSE, WEST OF TWIN CHIMNEYS, 1913	"	"	44 55 06.80 67 04 38.73	209.9 1642.3 849.5 466.5	-23.8 - 2.4	186.1 1666.1 847.1 468.9	219.1 1960.0 996.6 551.6
BIRCH, 1887 <i>C+G-S</i>	"	"	44 54 57.841 67 04 24.115	1785.5 66.7 528.9 787.2	- 23.8 - 2.4	1761.7 90.5 526.5 789.6	2072.7 106.5 619.5 928.8
HEAD, 1913 <i>IBC</i>	"	"	44 53 48.47 66 59 19.28	1496.2 355.9 423.0 893.5	-23.8 - 2.4	1472.4 379.7 420.6 895.9	1732.4 446.6 494.8 1054.0

1 FT. = 3048006 METER

COMPUTED BY: H.P. Eichert

DATE Winter 1946-1947

CHECKED BY: E.L. Bauman

DATE Winter 1946-1947

M-2388-12

MAP T. 8791

PROJECT NO. PH-1146

SCALE OF MAP 1:8500

SCALE FACTOR 1.17647

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -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)
CABLE CROSS HOUSE (U.S. & G.S.) 1893 USC & GS	Special Pub. No. 46	N.A.	44 53	55.04	1699.0	153.1	- 23.8	1675.2	176.9	1970.9	208.1
RAZOR ISLAND, 1886 C & GS	"	"	66 59	27.22	597.2	719.3	- 2.4	594.8	721.7	699.8	849.0
			44 53	49.486	1527.5	324.6	- 23.8	1503.7	348.4	1769.2	409.7
			67 04	31.358	688.1	628.4	- 2.4	685.7	630.8	806.7	742.1
HERSEY, 1887 C & GS	U.S.C. & G.S. GP LIST	N.A. 1927	44 55	29.673				916.0	936.2	1077.6	1101.5
			67 07	09.091				199.4	1116.5	234.6	1313.5
GOVE, 1886 C & GS	"	"	44 54	06.058				187.0	1665.2	220.0	1959.1
			67 03	29.964				657.4	659.0	273.4	775.3
KENDALL 2, 1893 C & GS	"	"	44 55	57.516				1775.5	76.7	2088.8	90.3
			67 00	56.468				1238.2	77.5	1456.7	912
TROTT, 1887 C & GS	"	"	44 57	05.414				167.1	1685.1	196.6	1982.5
			67 03	35.941				787.9	527.4	926.9	620.5
SMART, 1887 C & GS	"	"	44 57	47.137				1455.1	397.1	1711.9	467.2
			67 07	15.748				345.1	969.9	406.0	1141.1
CANNON, 1887 C & GS	"	"	44 56	27.803				858.3	993.9	1009.8	1169.3
			67 04	40.472				887.3	428.2	1043.9	503.7
TREAT 2, 1893 C & GS	"	"	44 52	43.561				1344.7	507.4	1582.0	597.0
			66 59	25.816				566.6	750.3	666.6	882.7
GULL, 1919 IBC	REPORT I.B.C.	N.A.	44 52	37.98	1172.4	679.7	-23.8	1148.6	703.5	1351.3	827.7
			66 59	46.97	1031.0	286.0	- 2.4	1028.6	288.4	1210.0	339.4
PLEASANT POINT, 1913 IBC	"	"	44 57	32.77	1011.6	840.6	-23.8	987.8	864.4	1162.2	1016.9
			67 02	42.74	936.8	378.3	- 2.4	934.4	380.7	1099.3	447.8
KENDALL HEAD IBC REF. MARK, 1919	"	"	44 56	08.02	247.6	1604.6	-23.8	223.8	1628.4	263.3	1915.8
			67 00	40.00	877.1	438.6	- 2.4	874.7	441.0	1029.1	518.8

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

DATE Winter-1946-1947

CHECKED BY: E.L. Bauman

DATE Winter 1946-1947

M. 2388-12

MAP T. 8791

PROJECT NO. Ph-11(46)

SCALE OF MAP 1:8500

SCALE FACTOR 1:17268

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 (meter)	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)
RANGE MARK 3, 1919 (I.B.C.)	I.B.C. Report	N.A.	44 58 08.56 67 00 35.74		264.2 783.2	1588.0 531.7	-23.8 -2.4	240.4 780.8	1611.8 534.1	281.9 915.7	1890.1 626.3
RANGE MARK 4 (I.B.C.) 1919	"	"	44 58 17.83 67 00 28.11		550.4 616.0	1301.8 698.8	-23.8 -2.4	526.6 613.6	1325.6 701.2	617.5 719.6	1554.5 822.2
RANGE MARK 11 (I.B.C.) 1919	"	"	44 55 33.55 66 59 11.30		1035.7 247.8	816.5 1068.1	-23.8 -2.4	1011.9 245.4	840.3 1070.5	1186.6 287.8	985.4 1255.3
CUMMING, 1893 C+GS	USC&GS GP LIST	N.A. 1927	44 56 52.692 67 00 03.845					1626.5 84.3	225.7 1231.0	1907.3 98.9	264.7 1443.5
Leightons Ho. Chy, 1860	C+GS	"	44 52 48.41 67 65 47.22		Lost						
Perry, Ho with Res Door Chy, 1863	C+GS	"	44 59 59.00 67 04 17.26		Prob. Lost.						
Range Mark 15 (IBC) 1919		"	44 54 12.214 66 57 30.437								
Range Mark 16 (IBC) 1919		"	44 54 08.626 66 57 24.848								
Range Mark 12 (IBC) 1919		"	44 54 08.903 66 57 24.393								
Yellow Ho. Chy near Foster, 1860		"	44 55 38.90 67 07 28.61		Near "Attorney's"			not plotted			

COMPUTED BY: B. Wilson

DATE Nov. 1949

CHECKED BY: Henry P. Eichert

DATE 11-49

M-2388-12

MAP T.....		PROJECT NO.....		SCALE OF MAP.....		SCALE FACTOR.....		
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	
				FORWARD (BACK)		FORWARD (BACK)	FORWARD (BACK)	
Cherry I. RM, 1913	IBC	NA 1927	44 55 06.733 66 58 02.337	Close to Cherry		1. Tower, - Not Plotted.		
†Eastport Mon., 1893	C+GS	"	44 54 32.032 66 59 44.804					
†Buckman Head RM, 1913	IBC	"	44 53 50.911 66 59 10.892					
Deer I., S. end, Ho. Chy, 1913	C+GS	"	44 55 34.388 66 59 09.920	Lost				
†G, 1894	IBC	"	44 55 36.30 66 59 12.35					
†E, 1894	IBC	"	44 55 50.96 66 59 03.72					
†H, 1894	IBC	"	44 55 24.97 66 58 26.98					
†Case, 1886	C+GS	"	44 52 52.047 67 05 42.256					
†Cannery Range Target, 1913	IBC	"	44 54 49.833 66 59 08.992					
†Redoubt Hill Tank, 1946	C+GS	"	44 55 12.350 67 00 46.599	Lost				
†Prince Regent's Barrn, N. Gable, 1893	C+GS	"	44 55 20.09 67 00 23.29					
†Quoddy Village Tank, 1946	C+GS	"	44 55 41.710 67 01 39.470					
COMPUTED BY.....			DATE.....		CHECKED BY.....		DATE.....	
1 FT. = 3048006 METER							M. 2388-12	

1 FT. = 3048006 METER

COMPUTED BY:

DATE

CHECKED BY:

DATE

M. 238B.12

MAP T.....		PROJECT NO.....		SCALE OF MAP.....		SCALE FACTOR.....	
STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y-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)
Dog Island Lt, 1946	IBC	NA 1927	44 55 06.544				
Pleasant Pt, 1893		"	66 59 22.980				
+ Comstock 1, 1860	C+GS	"	44 57 31.587 67 02 42.226	Close to Pleasant Pt, 1913 - Not Plotted			
Comstock 2, 1861	C+GS	"	44 52 49.810 67 01 06.615				
Danbow, 1861	C+GS	"	44 53 11.566 67 01 13.562	Close to Cooper - Not Plotted			
+ A-Sub, 1894	IBC	"	44 52 52.301 67 05 42.742	Close to Case - Not Plotted			
+ B-Sub, 1894	IBC	"	44 58 46.559 67 03 04.892				
B, 1894	IBC	"	44 59 14.505 67 03 20.361				
Glee, 1946	IBC	"	44 59 14.243 67 03 20.703	Close to B-Sub - Not Plotted			
+ Haven, 1946	IBC	"	44 58 46.628 67 03 05.418	Close to A-Sub - Not Plotted			
Kendall Pt, 1894	IBC	"	44 58 18.407 67 01 14.100				
+ Clam RM, 1913	IBC	"	44 56 07.157 67 00 40.765	Close to Kendall Hd, Ref Mk - Not plotted			
			44 57 52.474 67 01 00.512				

1 FT. = .3048006 METER

COMPUTED BY.....

DATE.....

CHECKED BY.....

DATE.....

M-2368-12

MAP T..... PROJECT NO..... SCALE OF MAP..... SCALE FACTOR.....

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	
					FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
Friars Head 2, + 1845	C4GS	NA 1927	44	52	33.755						
Friars Head 3, + 1910	C4GS	"	66	58	20.266						
The Friar Rock, + 1913	IBC	"	44	52	33.974						
			66	58	21.048						
			44	52	36.079						
			66	58	20.494						
Cooper, 1918	C4GS	"	44	53	11.543						
			67	01	13.571						
Perry Barn, N. Gable, 1863	C4GS	"	44	57	41.280						
			67	02	53.419						
Range Mark 17, + 1919	IBC	"	44	55	07.467						
			66	58	02.573						
Range Mark 18, + 1919	IBC	"	44	55	25.0861						
			66	57	58.433						
Campobello, 1893	C4GS	"	44	54	08.543						
			66	57	24.953						
Clam, 1946	IBC	"	44	58	33.902						
			67	01	09.155						
Cherry l. Monument, 1843	C4GS	"	44	55	07.34						
			66	58	02.65						
Cherry l. Bell, 1919	IBC	"	44	55	06.984						
			66	58	02.194						
Cherry l. Tower, + 1919	IBC	"	44	55	06.993						
			66	58	02.298						

1 FT. = 3048006 METER
COMPUTED BY:..... CHECKED BY:..... DATE:..... DATE:.....
M. 2388-12

FIELD INSPECTION REPORT

TO ACCOMPANY

QUADRANGLE 8791

PROJECT - Ph-11(46)

AUGUST 1946

1 - DESCRIPTION OF AREA:

This quadrangle lies in Washington County, Maine. There is about 30 square statute miles of land area in the quadrangle. The remainder is water except for a small part of Deer Island, Canada, in the north-eastern part which was not a part of this project. The limits were extended eastward to take in the city of Eastport and Moose Island on which it is located. This makes the quadrangle cover about 9 minutes of Longitude and is bounded by approximate W.Long. $66^{\circ}-58'-00''$ on the east and W.Long $67^{\circ}-07'-30''$ on the west. The boundary latitudes are N.Lat. $45^{\circ}-00'-00''$ and $44^{\circ}-52'-30''$ on the north and south respectively. Further extended to the east to include Canadian shoreline.

The principal cultural features are the town of Eastport in the south-eastern part; the Maine Central Railroad which extends northwest from Eastport through Perry; Maine State Highway No. 190 which runs northwest from Eastport to Perry; and U. S. Highway No. 1 through the north-western part.

The vegetation consists of fir, pine, hackmatack, spruce and alder. There is a very small amount of farm land in the area.

The shoreline, in general, is rocky with many ledges.

2 - COMPLETENESS OF FIELD INSPECTION:

All important buildings, roads, bridges and vegetation were classified in accordance with instructions for project.

Photographs used: 46 C 666, 668, 670, 684, 686, 688, 692, 710, 712, 728, all being 1:20,000 single lens.

3 - INTERPRETATION OF PHOTOGRAPHS:

Reference is hereby made to the report for quadrangle 8795 in which this subject is discussed in detail.

4 - HORIZONTAL CONTROL:

The horizontal control consists of previously established C.&G. Survey triangulation and control established by the International Boundary Commission to reference and mark the United States - Canadian boundary line.

A search was made for all known horizontal control stations within the area of that part of the quadrangle lying in the United States. No attempt was made to recover stations in Canadian territory, as authorized in the Instructions, Par. 8, and the Director's letter of 23 Sept. 1946.

Reference is hereby made to the "International Boundary Commission Joint Report upon the Survey and Demarcation of the boundary between the United States and Canada, from the source of the St. Croix River to the Atlantic Ocean", (U.S.G.P.O. 1934), for method of location, order of accuracy, etc., of station established by the International Boundary Commission.

Horizontal control requirements, Par. 8 of the Instructions, have been fulfilled. 33 stations were recovered and identified on the photographs. 25 stations were searched for and not found.

The following stations were recovered but not identified:

- | | |
|--|---|
| 1 - Lincoln Pt. White House , West of Twin Chimneys, 1913 | 9 -Birch, 1887, 1913 |
| 2 -Kendall 2, 1893, 1913 | 10 -Eastport Ref. Mk.(I.B.C.)1913 |
| 3 -William L., 1887, 1913 | 11 -Head, 1913 |
| 4 -Kendall Head, Ref. Mk., 1919 | 12 -Eastport, Weather Bureau National Flagstaff, 1913 |
| 5 -Cannon, 1887, 1913 | 13 -Eastport, Weather Bureau Flagstaff, 1913 |
| 6 -Smart, 1887, 1913 | 14 -Cable Cross House(HEADS)1893 |
| 7 -Pleasant Point, 1913, 1919 | 15 -Range Mk. No. 14(I.B.C.) 1917 |
| 8 -Trott, 1887, 1913 | |

Stations were identified on the following photographs:

- 1:20,000 scale contact prints, 46 C 605, 606, 669, 689, 713, 729.
- 1: 8,500 scale ratio prints, 46 C 666, 717, 718.
- 1: 8,500 scale low altitude prints, 46 C 527, 528, 532, 536, 562.

5 - VERTICAL CONTROL:

All known vertical control stations were searched for and stations recovered were identified on the photographs. Additional temporary vertical control was established by trigonometric methods, the same as used in quadrangle 8793. About 15 linear miles of trigonometric levels were run, and 20 temporary elevations were established.

The code letters EA prefix all spot elevations.

There was one level line extended into quadrangle 8789, and one elevation established and labeled EA-7. On pages 1 and 2 of the notebook there are two short level lines which were started and closed on tide water with the time, date, and location noted in notebook, but no elevations were inked on photographs.

The following 1:20,000 scale single lens photographs were used: 46 C 669, 671, 689, 691, 713, and 717.

One temporary spot elevation was established on Treat Island by Irving I. Saperstein, by hand level using photograph 46 C 719.

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 MHWL.

The following 1:8,500 scale ratio prints were used for shoreline inspection: 46 C 604 thru 608, 46 C 665 thru 670, 46 C 680 thru 684, 46 C 687 thru 692, 46 C 710 thru 713, 46 C 719, 728, 729, 730.

In addition to the above the following Low Altitude photographs were used (1:6000 reduced to 1:8500): 46 C 483 thru 486, 46 C 491, 492, 497 thru 500, 46 C 507 thru 510, 46 C 512, 513, 516, 519, 528 thru 532, 535, 536, 554 thru 559, 561, 562, 563, 569 thru 575, and 553.

Attention is called to the fact that the low altitude photographs should have been dated May 29, 1946 instead of June 29, 1946. A Washington Office telegraphic reply dated October 15, 1946, to an inquiry made from the Calais, office, verified the May 29 date.

8 - LOW-WATER LINE:

The low water line was delineated on the 1:6000 scale photographs reduced to 1:8500 whenever inspection occurred at or about low water, as these photographs were taken at that time.

Photographs on which low water was delineated are:

46 C 483, 484, 512, 513, 528 thru 530, 535, 536, 553 thru 563, 569 thru 574.

Note: Does not include those photographs with hydrographic, topographic and other inspection only.

9 - WHARVES AND SHORELINE STRUCTURES:

Major wharves and docks are in the Eastport waterfront area. Other large piers are in Quoddy Village, the NE side of Seward Neck and the U.S. Army Engineer pier on Treat Island. All piers and docks are marked on the photographs.

A seaplane ramp just south of the Eastport Airport leads directly to the water. It was built by the Navy, but is no longer in use.

10 - DETAILS OFFSHORE FROM HIGH-WATER LINE:

Wherever rocks or ledges were awash at or below MHW, 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:

All landmarks previously charted (chart 801) shall be retained. Two additional landmarks are recommended for charting:

1. Square Red Brick Chimney (Δ Eastport Salt Works Brick Chimney 1913)
(Photograph 46 C 532)
2. Black Stack at Quoddy Village (photograph 46 C 684)

^{of} Form 567 including these recommended landmarks will be submitted under separate cover.

Two permanent fixed aids were located and picked direct on the photographs, northeast of Eastport:

1. Clark Ledge Daybeacon; a keg atop an iron spindle (photograph 528).
 2. Dog Island Light; a light on a white pyramidal tower (photograph 527).
- See Review Report for Chart Letter numbers*

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-books Vols. 7, 8, and 9. An attempt was made to pick sufficient hydrographic signals, except in areas where it was impossible to pick signals with certainty.

In addition, recoverable topographic stations were established about 1 mile apart. Wherever possible, gables, cupolas or chimneys were used and picked direct on the photographs. Where no artificial objects were within the 1 mile radius, a marked station, using a standard topographic disc, was established and either picked direct or the substitute station method was used. "Control Station Identification" cards were submitted for those stations picked by the substitute method.

Form 524, "Description of Recoverable Topographic Station" cards were submitted for all topographic stations.

13 - LANDING FIELDS AND AERONAUTICAL AIDS:

There is one airport in the area west of Eastport. It has two runways, NE and SW and NW and SE, and also a seaplane parking area and ramp. Field Inspection is shown on photograph 46 C 712. The airport is now privately operated.

14 - ROAD CLASSIFICATION:

Roads inspected were classified in accordance with General Instructions-
"Classification of Roads" - dated 30 June 1945.
Reclassified by Field Edit.

15 - BRIDGES:

All bridges were identified as part of the interior inspection.

The only bridge over navigable water is the Maine Hwy. 190 bridge from Moose Island (Eastport) to the mainland. Clearances are given on photograph 689. Another bridge, on U. S. Hwy. No. 1 at Perry, shows clearances on photograph 670.

16 - BUILDINGS AND STRUCTURES:

Buildings and structures were identified on photographs and names of churches and schools were furnished.

10 foot wooden tripods were found on Fox Island, Denbow Point, Red Island, and Razor Island in Cobscook Bay. These tripods were apparently used for range lights for drill boats at the time of the Quoddy project, but have no significance now. All tripods have been picked on the photographs.

A submarine cable extends from the NE side of Seward Neck to Moose Island, shown on photographs 46 C 513 and 559.

17 - BOUNDARY MONUMENTS AND LINES:

This will be the subject of a special report submitted by Harold A. Duffy, Photogrammetrist. *Filed in Div of Phtgy - General Files*

18 - GEOGRAPHIC NAMES: *Approved list filed in Geog. Names Section*

Same as 17 above.

19 - SYMBOLS:

Symbols may be found on the back of photograph 46 C 684.

Note:

Work on item No. 4 was done under the direction of Lt.(jg) Lewis V. Evans, III,

Items, 1, 2, 3, 5, 13, 14, part of 15 and part of 16 was done by John R. Smith, Engr. Aid,

Items 7, 8, 9, 10, 11, 12, part of 15 and part of 16 was done by Irving I. Saperstein, Engr. Drafts.

Respectfully Submitted:

Lewis V. Evans, III
Lt.(jg) Lewis V. Evans, III

Irving I. Saperstein
Irving I. Saperstein, Engr.
Draft.

John R. Smith
John R. Smith, Engr. Aid

Approved and Forwarded:

Ross A. Gilmore 11/6/46.
Ross A. Gilmore, Chief of Party

COMPILATION REPORT

TOPOGRAPHIC SURVEY

PROJECT PH-11(46)

26. CONTROL

Adequate and density of horizontal control coverage will be found in "Project Report", Project PH-11(46), and "Field Inspection Report", quadrangle T-8791. Filed in Div. of Phtgy - General Files.

Worthy of further comment are the International Boundary Commission Range Marks previously noted under item 4 of the "Field Inspection Report". These range marks are excellent as horizontal control. Their type and size of construction make identification on diapositives and photographs, positive.

No vertical control was established on Denbow Neck including models C664-C665 and C665-C666.

Model C664-C665 will be re-set and contoured after field edit party establishes vertical control in this area.
Control established during Field Edit.

The north end of Denbow Neck will need to be contoured by the field edit party. Due to insufficient land area in this model, parallax cannot be positively removed to accurately contour.
Contoured by Field Editor.

27. RADIAL PLOT

None.

28. DETAILING

The urban area of the City of Eastport has been defined by the compilation office and is bounded by a red ink line on the discrepancy overlay. Only public buildings are shown within this area. *Area not large enough to be considered urban. See Review Report.*

All other delineation is in accord with Instructions No. 17 and amendments, and Project Report, Project PH-11(46).

29. SUPPLEMENTAL DATA

- 2 copies, blueprints, The Superintendent of Lighthouses
LIGHTHOUSE RESERVATION*DOG ISLAND, EASTPORT, ME. Dated 1924
- 2 copies, black on white, Map of U.S.N.C.T.C. CAMP LEE-STEPHENSON,
QUODDY VILLAGE, ME. Dated June 30, 1945.
- 1 copy, blue on white, Real Estate-PASSAMAQUODDY TIDAL POWER DEVELOP-
MENT SITE, Military Reservation, Dated 1948.
- 1 ozalid copy, N.C.T.C. QUODDY VILLAGE, ME. MAIN & SOUTH STATION,
TOPOGRAPHY AND BASE LINE.

Sheets No. 16 and 17 of 18 sheets comprising the International Boundary Dated 1925.

This data was used to compare with and verify the field inspection on field photographs.

30. MEAN HIGH WATER LINE

Refer to "Shoreline Location" Project Report, Project PH-11(46).
One small change in the field inspection data was made at the marsh area northwest of Birch Point.

31. LOW WATER AND SHOAL LINES *see Review Report*

32. DETAILS OFFSHORE FROM THE HIGH WATER LINE *see Review Report*

33. WHARVES AND SHORELINE STRUCTURES

Items 31, 32, and 33 were delineated with the aid of the low altitude 1:8500, scale ratio photographs. Complete coverage was not available.

34. LANDMARKS AND AIDS TO NAVIGATION *see Review Report*

~~Contrary to item 11 of Field Inspection Report for this quadrangle,~~
The following landmark should be re-charted:

<u>Charting Name</u>	<u>Triangulation Station Name</u>
----------------------	-----------------------------------

CH. SP.

EASTPORT UNITARIAN CHURCH SPIRE, 1910

THIS STATION REPORTED DESTROYED BY FIRE. - Field edit. see Review Report

The position of this landmark on chart No. 801 is shown on the north side of the street. Its geographic position on the manuscript is on the south side of the same street. Nait. Ch. Branch notified 8-2-49

The following charted landmarks, among those to be retained, have not been identified by the field inspection party.

<u>Charting Name</u>	<u>Description</u>
STACK	Red Brick (American Can Co.)
CHY.	(at northernmost cannery in Eastport)

The compilation office has shown on the manuscript all stacks and chimneys along the Eastport waterfront, but is unable to identify the correct landmarks. *Located by Field Editor.*

Fixed aids to navigation plotted on the manuscript are as follows:

<u>Light List Name</u>	<u>Triangulation Station Name</u>
CLARK LEDGE DAYBEACON	CLARK LEDGE BEACON, 1913
4, DOG ISLAND	Also Topographic Station DOG ISLAND LIGHT, 1946

The geographic position of DOG ISLAND LIGHT, plots within 10 meters \pm of the former position of triangulation station DOG ISLAND, 1894, which was reported lost in 1946.

35. HYDROGRAPHIC CONTROL

See item 12, of field inspection report.

The following photo-hydro points were rejected for reasons already assigned under "Topographic and Hydrographic Stations" of Project Report, Project PH-11(46).

91138	91171	9184	9198
91143	91282	9185	9199
91146	91284	9187	91100
91164	91286	9188	91101
91169	91301	9196	

36. LANDING FIELDS AND AERONAUTICAL AIDS

See item 13 of field inspection report. There are no aeronautical aids.

37. BOUNDARIES

The Turning Points of the International Boundary line are plotted from geographic positions in the "International Boundary Commission Report" and corrected to the N. A. 1927 datum.

Federal boundaries are also shown at Quoddy, Redoubt Hill, and Pleasant Point Indian Reservation.

At Quoddy, the most reliable line, as ascertained from field inspection and supplemental data, has been shown on the manuscript. Conflicting field inspection data has been shown on the discrepancy overlay.

Attached to this report are letters concerning these areas, the contents of which will aid the field edit party.

For further reference, see special report by Harold A. Duffy.

39. JUNCTIONS

Junctions are complete:

North with T-8789

South with T-8793 and T-8794

West with T-8790

To the east is the International Boundary

40. GEOGRAPHIC NAMES

See name list attached.

41. BRIDGES

See item 15, Field Inspection Report.

Tabulated data for these bridges are as follows:

EASTPORT, MAINE

Field Data	Tidal Correction	Clearance at MHW	Charted Value	Published "List of Bridges" Value
Highway bridge Maine No. 190				Highway
Fixed steel and wood on wood piles				Fixed
Hor. Cl. 55.3 ft.				---
Vert. Cl. 7.2 ft. at 12:20 9-13-46	+ 1 foot	8.2 feet	5 feet MHW	23 feet at MLW 5 feet at HW
Cable 2 feet below bridge				
6 spans (delineated from photograph)				3

PERRY, MAINE

Highway bridge U.S.No. 1.				No data
Concrete bridge				"
Hor. Cl. 36.6 feet				"
Vert. Cl. 17.5 feet at 09:25 10-1-46	-15.7 feet	1.8	No data	"

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

Comparison was made with the U. S. Geological Survey Eastport quadrangle edition of 1945, and the International Boundary Commission Maps, sheets number 16 and 17 published 1925.

The following cultural and topographic changes were noted.

The airport located on Moose Island, west of Eastport is not shown on the I.B.C. map.

The U.S.G.S. quadrangle and the I.B.C. map show a large swamp area southeast of Leach Pt. which is not delineated on the manuscript,

The heights of tops vary in comparison by approximately 20 feet, except at Falls Island where discrepancies of approximately 60 are noted on the U.S.G.S. quadrangle. Checked by Field Editor

These comparisons are, in general, in good agreement, however, small cultural changes have not been considered.

45. COMPARISON WITH NAUTICAL CHARTS

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

Attention is called to landmark "CH. SP." located in Eastport. Chart No. 801 shows the position of this spire on the north side of the street, whereas, the plotted position on the manuscript is on the south side of the same street. *Destroyed - See Review Report.* X

Wrecks are shown at Broad Cove, Deep Cove, Prince Cove, inlet at Eastport, West of Nipps I. These are not shown on the chart.

Just off the south shore of Carryingplace Cove is a ledge area awash at MHW. This ledge area is not charted.

Foreshore ledge areas circumscribing the shoreline of Moose I. from Kendall Head to Mathews I. and along the northeast shore of Seward Neck have been delineated from low altitude low water photographs. Much of this ledge is not shown on the chart.

At Deep Cove is a seaplane ramp which is not charted.

At the west junction of this quadrangle is a small island off the tip of the peninsula between Schooner Cove and Long Cove. The chart shows no island, but only the narrow peninsula.

In the immediate vicinity of Red I. and Razor I. are rocks or ledges which are charted but not shown on the manuscript.

Much foreshore ledge is shown on the chart at Nipps I. and west of the Island, and in the area between Birch Point and Lincoln Cove. These ledges do not appear on the manuscript.

Other ledge areas which appear on the chart but not on the manuscript are: the shoreline between Kelly Pt. and Leighton Pt., Falls I., Denbow Neck, and the west shore of Seward Neck.

Respectfully submitted
6 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

NOTES TO HYDROGRAPHER

T - 8791

Items called to your attention for further investigation and/or verification are encircled with a dashed line on the manuscript.

Foreshore rocks or ledges in the area circumscribing Red I. and Razor I. need be investigated. No evidence of these is shown on the manuscript.

Areas of incomplete low water data are also noted on the manuscript.

The foreshore areas of Hersey Neck, Kelly Point, Point Leighton, Falls Island, Denbow Neck, west shore of Seward Neck, the Birch Point-Lincoln Cove area and the vicinity of Nipps I. will all need be investigated for rock and ledge.

Descriptions of photo-hydro stations are as follows:

No.	Photo. No.	Description	Height above MHW (ft)
9053	604	Double 25' spruce. Northeast of 3' earth bank and 10 m southwest of a fallen tree.	2
9101	605	20' spruce, most northerly of a group of spruces on south end of gravel beach.	2
9103	605	25' spruce about 25 m north of a rock ledge point.	4
9104	604	Lone 15' spruce. On SW side of island. The top 5' of the spruce is dead. 10 m east of small point.	4
9105	604	20' spruce on extreme north point of island.	4
9106	604	Lone 25' spruce. Tallest spruce on east side of island.	5
9109	605	Clump of 6' spruces in center of ledge.	6
9110	605	Lone 15' spruce, south of earth bank, and 1 m north of MHWL.	2
9111	604	15' spruce on SE point of island. 3 m N. of MHWL and immediately SE of another spruce.	4
9112	604	20' spruce 10 m. N of a 30' double spruce 20 m. NW of ledge point and 3 m E of MHWL.	3
9113	604	25' double spruce, 35 m E of a point.	3
9115	604	25' spruce on N side of cove. On W side of smaller cove and on point. 3 m. N of MHWL.	3

No.	Photo. No.	Description	Height above MHW (ft)
9116	604	20' spruce on extreme east end of an islet.	3
9117	604	20' spruce on point. 12 m. east of 35' white pine, and 2 m S of MHWL.	3
9118	604	25' spruce, leaning slightly. Most easterly of group. 3 m. west of MHWL.	3
9119	604	20' leaning spruce on point, slightly west of tree line.	3
9120	604	25' lone spruce on east side of a cove and 8 m south of two 15' spruces.	6
9121	604	20' leaning spruce on east side of a cove. Most westerly of a group of spruces.	3
9122	604	25' spruce, 30 m northwest of the southeast point of an island and south of a group of alders.	3
9123	604	25' spruce on extreme east point of island.	4
9125	605	Station is large boulder, 10 m south of a point. Only large boulder in vicinity.	4
9126	605	20' spruce, more southerly and slightly smaller of two spruces. Leans slightly.	3
9127	605	Lone 20' spruce on point. 10 m. north of two spruces.	5
9129	605	15' leaning spruce. 7 m south of fence line. Top of tree leans over MHWL.	3
9131	606	15' lone spruce, east of earth bank. Only spruce in vicinity.	2
9132	606	25' lone spruce on point, 15 m northwest from the tip of the point.	5
9133	665	25' lone spruce, west of gravel cove, and south of a ledge that extends east and west.	3
9134	665	Lone 25' spruce in a large clearing on peninsula.	15
9135	665	20' lone spruce on north side of cove. 20 m west of a point.	3
9136	665	30' lone spruce. 30 m east of a point.	5
9137	665	25' spruce on south edge of a clearing and north of a group of spruces. 5 m West of MHWL.	3

No.	Photo. No.	Description	Height above MHW (ft)
9138	665	8' lone spruce on a point in clearing and 12 m south of a 25' lone birch.	6
9140	"	6' lone spruce on earth bank. 5 m east of a group of spruces.	3
9141	"	15' lone spruce on point. 15 m south of another lone spruce.	6
9142	"	15' lone spruce, south of a line of spruces and in a small cove; 8 m west of MHWL.	3
9143	665	10' lone spruce on point, most northerly of a group of spruces.	6
9145	665	15' spruce, most northerly of a group and on south edge of clearing.	3
9146	665	Station is highest point of ledge, offshore.	8
9147	665	Lone 4' cedar at head of cove on sloping grassy bank. 6 m east of MHWL.	6
9148	665	30' lone spruce at head of small cove. 2 m east of MHWL. Tree is prominent.	4
9149	665	20' lone spruce on southwest side of cove. 10 m north of a taller spruce.	2
9150	665	10' lone spruce in a patch of alder growth. 10 m west of MHWL and 15 m south of a point.	10
9151	665	Wide spread lone 25' spruce. Most northerly spruce on point.	6
9152	665	30' lone spruce tree. 20 m south of MHWL and 10 m southeast of a 10' twin spruce.	8
9153	665	30' lone spruce on southwest side of cove. Very prominent and only tree in vicinity.	4
9154	665	Lone 25' spruce on point.	4
9155	665	25' lone spruce. Most easterly of a line of spruces.	3
9156	665	25' lone spruce at head of cove and 8 m east of MHWL.	2
9157	665	Lone 15' double spruce at the head of cove and most westerly of a group of spruces.	3

No.	Photo. No.	Description	Height above MHW (ft)
9158	665	15' lone spruce at edge of sloping brush covered bank and 10 m east of a group of apple trees.	15
9159	665	Lone 25' double spruce. 10 m east of MHWL and only spruce in vicinity.	10
9160	665	5' lone spruce on point. 2 m. north of an earth bank and most westerly spruce on point.	8
9161	665	15' spruce. 10 m. North of a point ^{m.} and 5/south of a tall cedar.	3
9162	665	30' spruce on southwest side of island. Only spruce of this size in vicinity.	4
9166	607	25' spruce. Most southerly of a group of trees, and 5 m east of a long narrow clearing.	2
9168	606	Station is SE gable of a shed with a shingle roof.	25
9170	607	Lone 25' leaning spruce on point. Tree overhangs a vertical 10' bluff.	10
9171	607	25' lone spruce on point. 5 m west of MHWL.	4
9172	667	SW gable of a shingled L-shaped barn about 100 m west of a dwelling.	12 40
9173	667	15' lone spruce at head of cove and on top of grassy earth bank.	12
9174	667	20' lone spruce on west side of cove and 3 m west of MHWL.	4
9175	667	25' lone spruce. 5 m west of a group of three spruces.	5
9176	667	25' leaning spruce. 10 m west of a gravel beach.	6
9177	667	25' lone spruce in a clearing. 10 m north of a group of alders and cedars, and 12 m north of MHWL.	15
9178	667	30' lone spruce on edge of 15' vertical ledge.	15
9179	667	25' spruce. Tallest and most westerly of a group of three.	4
9180	668	20' lone spruce on point of ledge and 3 m east of a dead birch tree.	10

No.	Photo. No.	Description	Height above MHW (ft)
9181	668	20' spruce on a sloping bank covered with alders. Most westerly of a group of three spruces.	10
9182	668	10' lone bushy spruce. 10 m. east of a group of small spruces.	3
9183	668	Prominent 30' lone double spruce. Most southern of a stand of trees on the point.	4
9186	669	25' lone spruce in open field, about 25 m east of MHWL.	15
9189	669	Center of culvert.	5
9190	669	25' lone spruce about 20 m east of a tall pine.	3
9192	669	West gable of shingle barn about 125 m south of a pyramidal roofed house, and about 25 m NW of a shingle house with green roof.	60
9193	669	20' lone spruce on point of ledge.	5
9194	669	25' spruce on north side of a cove and on a steep earth bank.	10
9195	608	10' lone spruce 5 m west of MHWL. 10 m. east of a small shack and in center of small clear area.	12
9197	608	Center of large clump of cedar. North of a gravel beach.	3
91102	608	West gable of shingle barn immediately west of another shingle barn.	80
91105	607	25' lone spruce on extreme east tip of a ledge point.	6
91106	607	30' white pine. Only one in vicinity among cedar and spruce trees.	4
91107	607	25' spruce 2 m north of MHWL and about 10 m east of an earth bank.	1
91108	607	20' lone spruce immediately south of a 5' earth bank and 4 m north of MHWL.	3
91109	668	30' spruce. 5 m north of the south end of island.	10
91110	668	25' spruce on NW side of island. On north side of clearing and south side of gray ledge.	4

No.	Photo. No.	Description	Height above MHW(ft.)
91113	667	35' prominent, lone double spruce. 25 m. west of a point.	6
91114	667	10' lone spruce. Most southerly of a group of spruces and on north edge of clearing.	10
91115	667	25' spruce at NE corner of a small clearing. Tree is among alders and is slightly bowed in direction of MHWL	3
91116	667	25' spruce immediately NE of another spruce of same height. 10 m NE of a tall spruce with limbs only on its south side.	3
91117	689	30' spruce on rounded point. 25 m. north of a 30' bushy spruce.	2
91118	689	15' lone spruce. Most easterly of a line of spruces.	3
91119	689	25' spruce on prominent point. Most westerly and tallest of a small group of spruces.	5
91122	689	12' lone spruce on point. Immediately south of a smaller spruce on bank.	1
91123	689	15' lone spruce on edge of bank in patch of alders.	8
91124	689	20' lone spruce on alder covered bank.	10
91125	689	12' lone spruce on point. 4 m. southwest of another lone spruce of same height.	5
91126	689	20' lone spruce. Most northerly on islet.	5
91127	689	30' lone spruce. 45 m. northwest of a point. Only tree in vicinity.	5
91128	689	15' lone bushy spruce on top of grassy bank. 5m. NW of a 12' spruce.	10
91129	689	40' lone spruce with twin top. 10 m. east of another twin spruce.	4
91130	689	South gable of shingled barn immediately north of a lower abandoned dwelling.	40
91131	689	30' lone spruce. 10 m. south of a smaller spruce.	3
91132	681	15' lone spruce on top of grassy earth bank. Only spruce in near vicinity.	6

No.	Photo. No.	Description	Height above MHW (ft.)
91134	689	Lone 25' spruce overhanging a vertical bank.	3
91135	689	Red brick chimney on L-shaped, ^{two} story shingle house. Has a blue shingle roof.	50
91136	689	High point of ledge extending east from point of land.	2
91137	688	25' clump of spruce on the south side of a small ledge point.	6
91139	688	30' overhanging spruce on tip of point.	2
91140	688	Lone 30' spruce with a twin top, 8 m. south of a point.	10
91141	688	25' spruce on side of grassy bank. 10 m. southwest of a smaller spruce.	4
91142	688	6' spruce, most northerly on point.	3
91144	688	Lone 40' spruce with twin top, on north side of inlet.	3
91145	688	Lone 30' overhanging spruce with a twin top.	3
91147	688	Lone 50' spruce at head of cove, largest tree in vicinity.	4
91148	688	Lone 15' spruce on top of grassy earth bank and on north side of clearing.	10
91149	688	Lone 20' spruce, 20 m east of a lone group of tall spruces.	5
91150	688	30' spruce immediate south of a slightly smaller spruce.	3
91151	688	15' spruce on point, on north side of inlet and about 50 m from its head.	4
91152	688	15' spruce on northeast edge of clearing and immediately south of a smaller spruce.	4
91154	688	15' lone spruce, 15 m north of MHWL, only spruce in vicinity.	3
91155	688	30' lone spruce, 15 m east of a point and 10 m. east of a lone spruce on point.	3
91156	688	25' spruce immediately east of a slightly smaller spruce.	4

No.	Photo. No.	Description	Height above MHW(ft)
91157	688	20' spruce, most southerly of a group of spruces on point.	3
91163	688	15' lone spruce on extreme tip of point and at west end of earth bank.	2
91165	688	10' lone spruce at edge of ledge and 10 m east of another lone spruce.	10
91166	683	West gable of 2 story shingle house. Has two dormer windows on the south side and 2 red brick chimneys.	50
91167	683	West gable of hip roofed, green school house.	50
91168	683	10' lone spruce on south end of prominent vertical bluff and on the edge of a ledge.	6
91172	684	30' spruce on edge of grass and earth bank. Most southerly of a line of trees.	6
91173	684	25' lone spruce, 10 m. south of a point and 5 m. north of another lone spruce of same height.	3
91174	684	West gable of a large gray building with three ventilators on roof.	40
91175	684	30' lone spruce, 13 m southwest of another lone spruce.	10
91176	684	25' lone spruce on south side of cove.	3
91178	684	North west corner of an offshore concrete sewer manhole with an iron ladder on south side.	7
91179	684	White chimney in center of red asphalt shingle roof on two story house.	30
91180	684	East gable of red barn about 125 m north of MHWL.	60
91181	684	25' lone spruce, 10 m north of a lone 20' spruce.	4
91182	689	10' lonespruce on a sloping grassy bank, and in the near center of a long narrow cleared area.	4
91184	684	15' lone roundwood tree in center of cleared area. 5mm. northeast of MHWL.	4
91185	684	25' lone spruce. 15 m. north of MHWL. Only spruce in vicinity.	5

No.	Photo. No.	Description	Height above MHW (ft)
91186	684	25' lone double spruce on edge of low bluff.	8
91187	713	North gable of one story red shed.	25
91193	712	East gable of green shingle shed with large door on south side.	25
		<i>This building gone - Field edit.</i>	
91195	712	30' lone prominent spruce, 15 m east of a point, and in a grassy cleared area.	10
91196	712	20' lone spruce, 15 m south of a green cottage and near edge of bluff.	10
91197	712	20' lone spruce in a clearing, 20 m. north of MHWL.	15
91198	712	20' lone spruce immediately northwest of 15' cliff.	6
91199	712	25' spruce. Tallest and most prominent tree on islet.	6
91201	713	Most easterly ventilator on large building formerly used as a drill hall.	60
91203	713	South gable of unpainted house. Has brick chimney in center of roof and is about 10 m. north of a barn.	45
91205	712	30' flat topped spruce. Slightly leaning.	4
91206	712	30' lone spruce on east side of cove, and on south side of a cleared grassy bank.	4
91207	712	20' lone spruce with twin top, in cleared area and 20 m west of a patch of woods.	4
91209	711	25' lone spruce on northeast side of gravel beach.	15
91210	711	10' lone spruce on open slope. 15 m. north of a clump of spruce.	15
91211	711	25' lone double spruce.	8
91212	711	6' lone spruce on edge of 50' bluff.	50
91213	711	10' lone double spruce on point. Most easterly tree on point.	5
91214	711	More southern of two small piles of asphalt.	4

No.	Photo. No.	Description	Height above MHW (ft)
91215	711	25' spruce on edge of steep 20' earth bank, 4 m. east of a ledge cliff.	15
91216	711	25' lone spruce on edge of a 10' bank. Only spruce in vicinity.	10
91217	711	25' lone spruce on point. In a very small cleared area.	3
91218	711	15' lone spruce on southwest edge of a cleared opening and only spruce in near vicinity.	3
91219	711	25' lone spruce on edge of a 15' brush covered bank.	15
91223	519	Prominent black stack on a square brick base.	50
91224	729	Northeasterly gable of red fish plant.	30
91225	729	North chimney of a two story house. House has green roof and two chimneys.	50
91227	730	Center of green hipped roof on white house.	80
91229	730	West gable of a barn which is the most westerly of a line of buildings.	125
91230	683	15' lone spruce about 35 m south of MHWL, most northerly spruce in near vicinity.	5
91231	683	15' lone spruce, 10 m east of a railroad and 25 m. south of a group of spruces.	5
91232	729	25' spruce on extreme east tip of islet. Tallest of a group of four spruces.	6
91233	729	20' lone spruce with dead top. Immediately west of 15' earth bank.	3
91234	711	Red brick chimney in approximate center of two story brown shingle house. In NW side of cove.	60
91235	719	SW corner of pier on Treat Island.	6
91236	719	30' lone prominent spruce on NW side of sloping grassy bank.	10
91238	719	15' lone spruce in an alder patch. 20 m. northwest of MHWL.	10
91239	719	Lone bushy hardwood tree. 15 m. west of MHWL.	10
91240	719	10' lone spruce in an alder patch. On edge of alder covered 10' bank. Only spruce in vicinity.	10

No.	Photo. No.	Description	Height above MHW(ft)
91241	719	30' spruce. Tallest and most prominent spruce in vicinity.	6
91242	719	30' slightly leaning spruce on small point of ledge.	6
91243	691	30' lone spruce. 10 m. southeast of MHWL and gravel beach.	3
91244	691	Lone 25' leaning spruce at edge of ledge and at west end of a group of alders.	5
91245	691	12' lone spruce on point. Most southwest of a group of spruces on point. 12 m northeast of MHWL.	5
91246	691	6' lone squatty spruce on tip of ledge. Only one on bared ledge northeast of MHWL.	10
91247	691	15' lone spruce at west end of gravel bank 10 m from MHWL. On grassy slope at south edge of group of alders.	10
91248	692	25' lonespruce 5 m east of MHWL. Inshore from sloping ledge and 45 m north of gravel beach. in a small clearing.	10
91249	692	10' lone bushy spruce. 5 m. east of MHWL and long gravel beach at edge of alders on grassy slope.	6
91250	692	The highest part of a detached ledge projecting 10' above MHWL. Top is covered with moss.	10
91254	691	A single spruce with roots exposed. At southwest end of clump of alders, and 4 m south of MHWL.	3
91255	691	North gable of red shed with gray double doors. About 100 m. west of pier.	15
91257	710	12' double spruce with a flat top. On east tip of Major Island. Back from precipitous ledge which is 10' above MHWL.	15
91258	710	The most southwesterly bushy spruce on Major Island. On edge of ledge rock at edge of clump of alders.	6
91259	710	Single 25' spruce on edge of ledge. About 100 m north of a point. A smaller 10' spruce in one m NW of signal tree.	10
91260	710	40' spruce, 10 m east of buildings in small cove. Tallest of trees closest to shed.	5
91261	710	North gable of a two story house with two chimneys and a dormer facing east.	40

No.	Photo. No.	Description	Height above MHW(ft)
91262	710	12' lone bushy spruce. 3 m from MHWL on grassy slope on north side of cove. 90 m due east of road bridge.	2
91263	710	15' spruce, bare on east side. On edge of gravel beach in very small cove.	3
91265	710	12' double boled spruce. 10 m. west of a small shed and 15 m west of MHWL. Most southerly tree.	8
91266	710	20' lone spruce near fence line. 15 m. southwest of MHWL.	10
91267	710	20' spruce at edge of clearing and most westerly of trees on point. 2 m south of MHWL.	3
91268	710	The most easterly of 2 spruces, and closest to MHWL (10 m). 12' high and on point.	10
91269	555	Chimney on two story house with tar paper roof. 200 m west of MHWL on knoll.	70
91271	710	3' white granite boulder on north tip of Cooper Island. Bares 1' at MHW. Boulder has rounded top.	1
91272	557	SE gable of L-shaped house about 250 m W of MHWL. SW of Cooper Island.	100
91273	691	4' diameter white granite boulder.at MHWL. Bares 3' at MHW and lies 15 m south of entrance to cove.	3
91274	691	25' lone spruce on southwest side of cove about 25 m west of wreck at shoreline. On grassy slope at south edge of clump of bushes.	15
91275	691	The most southerly of two low squatty spruces. Trees are 12 m apart on gravel beach. 3m. from MHWL.	3
91276	691	20' spruce, most westerly of a clump of spruces, 4 m south of MHWL and east of a small clearing.	3
91278	682	20' lone spruce northeast of gravel beach and 15 m SW of MHWL. In clump of low alders 10 m east of railroad.	10
91279	682	25' spruce, bare on north side. On ledge 10' above MHWL. On south side of gravel beach.	10
91280	682	North gable of one story green shingle house at Indian reservation. 20 m west of MHWL. Has two windows on east side and chimney on north gable.	30

No.	Photo. No.	Description	Height above MHW(ft)
91283	682	30' lone spruce at MHWL. on low grassy bank. Most southerly spruce in area opposite entrance to river mouth.	2
91285	682	25' spruce on north side of Little River. 15 m. east of a group of taller spruces and 5 m north of MHWL.	4
91287	670	20' lone spruce on grassy slope. 5 m. NW of MHWL. in small inlet.	5
91288	670	15' lone spruce on north bank of Little River. 3 m. N of MHWL on grassy slope.	3
<u>91289</u>	670	West gable of gray barn on north shore of Little River. Has clapboard siding. About 200 m E of bridge.	60
91290	670	12' spruce on east side of a small creek which is on north side of Little River. 4m from MHWL and most southerly tree toward point.	6
91291	670	Lone squatty spruce on top of bank in group of small bushy hardwoods. On north bank of river and due north of railroad bridge.	20
91293	670	Double boled 25' spruce, 5m south of MHWL. Most northwesterly spruce on south bank.	3
91296	681	20' lone spruce on gravel beach at grass line. 4 m from MHWL.	3
91298	681	25' lone spruce, most northeasterly near lodge outcropping on beach 6 m from MHWL.	5
91299	681	15' lone spruce with branches at top half 10 m south of ravine and at top of bank at grass line.	10
91302	484	35' spruce, slightly leaning. Roots exposed at top of 10' gray bank. Most easterly of spruces in immediate vicinity.	12
<u>91304</u>	483	East gable of shingled shed with asphalt shingled roof at head of cove. Has sliding door on east side.	30
<u>91305</u>	483	South gable of 1½ story cottage. Stone chimney and screened porch on seaward side.	50
91306	680	Slanting dwarfed 15' spruce at top of red shale ledge. Most southerly of two spruces.	15

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white granite boulder at MHWL is 4 ft diam
10 m north of gathering area ledge

No.	Photo. No.	Description	Height above MHW(ft)
91307	680	White granite boulder at MHWL. 4 feet in diameter and 10 m north of jutting red shale ledge.	---

Respectfully submitted
6 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

ADDENDUM TO T-8791

PROJECT PH-11

The compilation of the Canadian side of the International Boundary within the limits of this quadrangle was accomplished using photographs 46C714-716 and International Boundary Commission Map, Sheet No. 16.

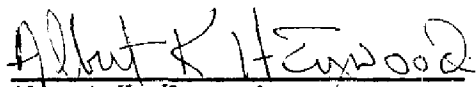
Photographs 46C714-715 were the only available stereoscopic pair which covered a small portion of the area.

Photographs 46C715 and 46C716 were used monoscopically in the multiplex where shoreline detail points were plotted.

There were no field inspection data furnished the compilation office over this area. The compilation office interpreted the mean high water line using a stereoscope where possible. No attempt was made to show the low water line.

The portion of the shoreline north from latitude 44°58'30" to the limits of the quadrangle was taken from the International Boundary Commission Map Sheet No. 16. *Changed during review. See Review Report.*
The IBC map could not be reconciled with the Hydrographic Survey or the photographs (as far as they covered)

Respectfully submitted
July 1949


Albert K. Heywood
Engineering Draftsman (Compiler)

Approved and forwarded
July 1949

Thos. B. Reed
Officer in Charge
Baltimore Photogrammetric Office

GEOGRAPHIC NAMES

- Bar Harbor ✓
- Birch Point ✓
- Birch Point Ledge ✓
- Boyden Lake ✓
- Boyden Stream ✓
- Broad Cove ✓
- Buckman Head ✓
- Burial Island ✓
- Canada ✓
- Carlow Island ✓
- Carryingplace Cove ✓
- Clark Ledge ✓
- Clement Point (pending with USN) ✓
- Cobscook Bay ✓
- Cooper Island ✓
- Cooper Island Ledge ✓
- Comstock Point ✓
- Deep Cove ✓
- Denbow Island ✓
- Denbow Neck ✓
- Denbow Point ✓
- Dog Island ✓
- East Bay ✓
- Eastport *
- Eastport — Eastport Airport ✓
- Edgecomb Point (pending with U.S. B.B.N) ✓
- Estes Head ✓
- Falls Island ✓
- Fox Island ✓
- Friar Roads ✓
- Frost Cove ✓
- Frost Head ✓
- Frost Island ✓
- Frost Ledge ✓
- Gangway Ledge ✓
- Garnet Point ✓
- Gleason Cove ✓
- Gleason Point ✓
- Goose Island ✓
- Gove Point ✓
- Gull Rock ✓
- Harris Cove ✓
- Hersey Neck ✓
- Hibbard School ✓
- Huckins Island ✓
- Huckins Ledge ✓
- Johnson Cove ✓
- Kelly Point ✓
- Kendall Head ✓
- Leach Point ✓
- Leighton Point ✓
- Leighton Rock ✓
- Lincoln Cove ✓
- Little River ✓
- Lubec * ✓
- Maine ✓
- Maine No. 1 90 ✓
- Maine Central ✓
- Major Island ✓
- Margie Rock ✓
- Mathews Island ✓
- Mitchell Point ✓
- Mink Island ✓
- Moose Island ✓
- Morrison Cove ✓
- New Brunswick ✓
- Nipps Island ✓
- Page Rock ✓
- Pattangal Cove (as on map) ✓
- Perry ✓
- Perry * ✓
- Pembroke * ✓
- Pennamaquan River ✓
- Pigeon Hill ✓
- Pleasant Point ✓
- Pleasant Point Indian Reservation ✓
- Porcupine Mountain ✓
- Prince Cove ✓
- Quoddy ✓

- Race Point ✓
- Razor Island ✓
- Red Cove ✓
- Red Island ✓
- Redington Island ✓
- Redoubt Hill
- Redoubt Hill (Kendall Head) = A station
- Rogers Point ✓

- Schooner Cove (Pending with USN)
- Seward Neck ✓
- Shackford Head ✓
- Shackford Ledge ✓
- Sheep Cove ✓
- Sipp Bay ✓
- Smalls Cove ✓
- Smelt Brook ✓
- Smith Rock ✓
- South Bay ✓
- Spectacle Island ✓

- Taylor Point ✓
- Todd Head ✓
- Treat Island ✓
- Trescott *

- United States
- U.S.No.1

- Western Passage
- Wilson Ledges (Pending with USN)

- Youngs Cove ✓
- Youngs Point ✓

* Township name

- Washington County

IN CANADA:

- Clam Cove
- Clam Cove Head
- Deer Island Cummings Cove
- Deer Point
- Fairhaven ✓
- Gardner Point ✓
- Indian Cove
- Indian River
- Mink Point ✓
- North Harbor ✓
- Oak Head ✓
- Indian Island ✓
- Thrumcap Island ✓
- Cherry Island ✓
- Friar Bay ✓

- Charlotte County ✓
- Welchpool → (Welshpool)
- Campbell Island ✓

Names preceded by •
are approved. 7-28-49
L. Heck

Field Edit Report, T8791

51. Methods.--All roads were traversed by truck or Jeep to check their classification; to check the classification of vegetation; to reclassify buildings; to investigate questionable areas; and to visually check contours and planimetry. Buildings not compiled, including new construction were located on the ratio prints of the photographs by planetable or tape methods from identifiable topographic features.

The mean high-water line, the foreshore and detached ledges and rocks were inspected at or near mean low-water by walking the shoreline, or from a launch or skiff and outboard motor, running as close inshore, or to the feature, as possible. The heights of the above features, that were uncovered, and the time and date were noted, so that the heights can be corrected when the actual tidal datum is available from the Eastport, Maine, tide station. These data are shown on the photographs, and referenced on the Field Edit Sheets, except a portion of the Canadian shore, in the northeastern part of the quadrangle, where there was no photographic coverage; the Field Edit Sheet was used.

Standard planetable methods were employed to check elevations; to contour a small area; to establish elevations requested; and to locate new construction of factories in the vicinity of Eastport.

One aid to navigation south of Clam Cove Head, Canada, was located by theodolite.

Field edit information is shown on the following: Field Edit Sheets No. 1, 2, 2A, and 3 (east of T-8791); Discrepancy Prints; 1:8,500 scale photographs 46 C 604-608, 665-667, 669-671, 683-684, 686-692, 711-713, 715-718, 728, and 729; 1:20,000 scale photographs 46 C 664 and 665.

Where information is shown on the photographs it is cross-referenced as to the number, on the Discrepancy Prints or the Field Edit Sheets.

Red ink was used for notes on the Discrepancy Prints; for additions and corrections on the Field Edit Sheets and the photographs; green ink was used for all deletions. No legend is shown.

52. Adequacy of the compilation.--The reclassification of roads, buildings and vegetation, subsequent to the field inspection, necessitates many corrections.

That portion of the offshore area that was photographed near high-water is inadequately mapped. Numerous ledges, reefs and rocks uncover at half tide or less. The foreshore was classified and the afore mentioned offshore features that were uncovered at the time of field edit have been indicated in their approximate position.

After application of the field edit data the in-shore area of the compilation will be adequate and complete.

Quoddy Village (including the portion on Redoubt Hill), which is situated in the east central part of the quadrangle, has, according to the newspapers, been transferred from Government to private ownership, through the sale thereof. It is enclosed by a boundary line. It is recommended that this line be omitted from the map.

53. Map accuracy.--Two peak elevations, and the contours, were tested on Falls Island, which is located in the southwestern part of the quadrangle. Standard plane-table methods were used and the tests were run directly on the Field Edit Sheet.

The tests originated and were terminated horizontally, at identifiable topographic features. Vertically they were controlled by tide water, using a tide curve which was computed from the predicted tide tables for Coffin Point, Cobscook Bay, Maine. The error of closure, horizontally, was negligible, and vertically within 0.5 ft. No adjustments were made.

All contours tested are within the required mapping accuracy. The greatest error found of the two peak elevations was 5 feet.

The tip of Denbow Neck, an area approximately 0.3 sq.mile, was contoured. Elevations were established, as requested, immediately south of the area for contouring by the multiplex, of a small area.

Triangulation station ESTY, 1861, was not held in the compilation. This station was proved to be correctly identified, and since it was not held, three topographic features (road intersections) in the immediate vicinity were tested by graphic triangulation. They were proved to be in their correct horizontal position. The point nearest ESTY, 1861, (about 1,000 feet) has been labeled Horizontal Test Point No. 1 on Field Edit Sheet No. 2A. ~~A~~Esty held within the required limits. Seventeen other stations on this strip held.

54. Recommendations.--No recommendations are offered.

55. Examination of proof copy.--Mr. A. Austin Fahey, City Engineer for the City of Eastport, Maine, has agreed to examine a proof copy of the map for possible errors. Mr. Fahey's address is Eastport, Maine.

No discrepancies in geographic names were noted.

Respectfully submitted,
October 13, 1949

George E. Varnadoe
George E. Varnadoe,
Cartographic Engineer

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Dup. copy

NON-LOADING AIDS OR LANDMARKS FOR CHARTS

STRIKE OUT ONE

TO BE CHARTED
TO BE DELETED

Baltimore, Maryland

November

1949.

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by

Henry P. Eichert

Thos. B. Reed
Chief of Party.

STATE MAINE--Eastport			POSITION						METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE		LONGITUDE		DATUM							
			°	'	D. M. METERS	°		'	D. P. METERS					
STACK	Red brick, square (80 ft. high)	STACK	44	54	1600	66	59	308	N.A. 1927	Air Photo T-8791	1949			801
STACK	Red, brick, round (125 ft. high)	STACK	44	54	409	66	59	106	"	"	"			"
BEACON	CLAM COVE (Single pile)		44	57	1482	67	01	17	"	Theodolite	"			"
Previously charted landmark; new position by multiplex														
Chart Letter 893(49)														

**DO NOT EXCEED
TO BE DELETED**

Washington Office

April 17 1950

The positions given have been checked after listing by

S. V. Griffith

[illegible]

Review Report T-8791
Topographic Map
April 27, 1950

26. Control.--Twenty-six triangulation stations were added to the map manuscript. Most of these stations were recovered in 1946 and none were reported lost. Ten additional stations were added to the Form M2388-12 but were not plotted since they are located very close to stations already shown.

Eighteen USC&GS and two USGS bench marks were recovered. Of these, fifteen USC&GS and one USGS are plotted. The remaining stations are in the congested part of Eastport.

No triangulation stations or bench marks are shown beyond the detail limits in Canada.

28. Detailing.--The area in Eastport compiled as an urban area is not large enough to be mapped in this manner. All buildings were added during review.

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

The MHW line, in Canada, North of 44°58'50" was taken from T-1840, 1:10,000, 1866 because of inadequate photograph coverage. This shoreline has been added so that the quadrangle can be completed, but will not be shown on the registered copy.

31. Mean Low Water Line.--The photographs covering most of this area were taken at high tide. The low altitude photographs covering the Western shore of Friar Roads and Western Passage, Treat Island and the entrance to Cobscook Bay were taken at low water. The position of the MLW line in the high water photograph areas was taken from the Hydrographic Surveys and the nature of the foreshore from Field Edit notes. The MLW line compiled from the low water photographs was reconciled with the Hydrographic Surveys.

32. Details Offshore from the M.H.W. Line.--Several rocks, not visible on the high water photographs, were added to the map manuscript from the Hydrographic Surveys. Several areas outlined by the field inspector as the approximate locations of rocks have also been shown accompanied by a note requesting further investigation by the Hydrographer.

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.

34. Landmarks and Aids to Navigation.--A Form 567 was filed in the Nautical Chart Branch deleting the landmark "Church Spire" (Eastport Unitarian Church). This church was reported destroyed by fire by the Field Editor.

See Chart Letters 584(49), 893(49) and 782(49) for complete information concerning the landmarks and aids to navigation recommended for addition and deletion in this area.

44. Comparison with Existing Surveys:

a) USGS Eastport Quadrangle 1:62,500, 1945
Several swamps shown on the quadrangle do not exist.

b) T-979	1:10,000	1865
T-981	1:10,000	1861-63
T-1805	1:10,000	1887
T-1840	1:10,000	1866
T-1841	1:20,000	1866
T-1859	1:10,000	1888
T-1864	1:10,000	1888
T-1932	1:10,000	1889
T-1933	1:10,000	1889

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

45. Comparison with Nautical Charts:

Chart No. 801 1:40,000 1949

Several changes in landmarks and aids to navigation recommended. See Par. 34 for Chart Letter numbers.

Cable area between Seward Neck and Moose Island is not shown on the chart.

New piers at Welchpool and N.W. of Estes Head are not shown on the charts.

47. Adequacy of the Compilation.--This map, T-8791, 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 Par. 28 relative to detail in Canada.

48. Accuracy Tests.--No standard accuracy tests were run on this quadrangle. See Field Edit report for results of testing spot elevations and three horizontal test points.

49. Overlays.--This survey, T-8791, will be published as two separate 7.5 minute quadrangles. Separate overlays have been prepared showing the border information, road classifications and route numbers, triangulation stations, bench marks, landmarks and aids to navigation and selected spot elevations that are to be shown by the draftsman.

Reviewed by:

Charles Theurer
C. Theurer

Approved by:

A. V. Griffith, Jr.
Chief, Review Section
Division of Photogrammetry

H. B. Edmonston
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. of Photogrammetry

Earl O. Heaton
Chief, Div. Coastal Surveys
U.S.N.

HISTORY OF HYDROGRAPHIC INFORMATION

T-8791

Quoddy, Maine Quadrangle

Hydrography was applied to the manuscript of this quadrangle in accordance with Division of Photogrammetry request of 16 August 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-847	(1861)	1:10,000
H-1793	(1887)	1:10,000
H-1794	(1887)	1:10,000
H-1798	(1887)	1:10,000
H-1838	(1888)	1:10,000
H-1840	(1888)	1:10,000
H-2027	(1890)	1:10,000
H-4031	(1918)	1:10,000

USC&GS Nautical Chart

801	(1949)	1:40,000
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Bottom contours are shown at 0 (represented by a dotted line), 6, 12, 18, 30, 60, 120, 180, 240, and 300 feet.

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

R. E. Elkins

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