

8790

Nfs

Diag. Cht. No. 801

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-8790  
Pembroke Quad.

### LOCALITY

State MAINE

General locality WASHINGTON COUNTY

Locality PENNAMAQUAN BAY AND DELINYS BAY

194 9

### CHIEF OF PARTY

R.A. Gilmore, Chief of Field Party

T. B. Reed, Baltimore Photo. Office

### LIBRARY & ARCHIVES

DATE June 21, 1951

B-1870-1 (11)

8790

# DATA RECORD

T - 8790

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

Quadrangle Name (IV): PEMBROKE (71\*)

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 1946 and  
18 Sept, 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): 5-25-49 Date reported to Nautical Chart Branch (IV): May 1949

Applied to Chart No.

Date:

Date registered (IV): 2-5-51

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): CAMBELL, 1887

Lat.: 44° 57' 04.107"

Long.: 67° 09' 26.158

Adjusted  
~~XXXXXX~~

Plane Coordinates (IV):

State: Maine

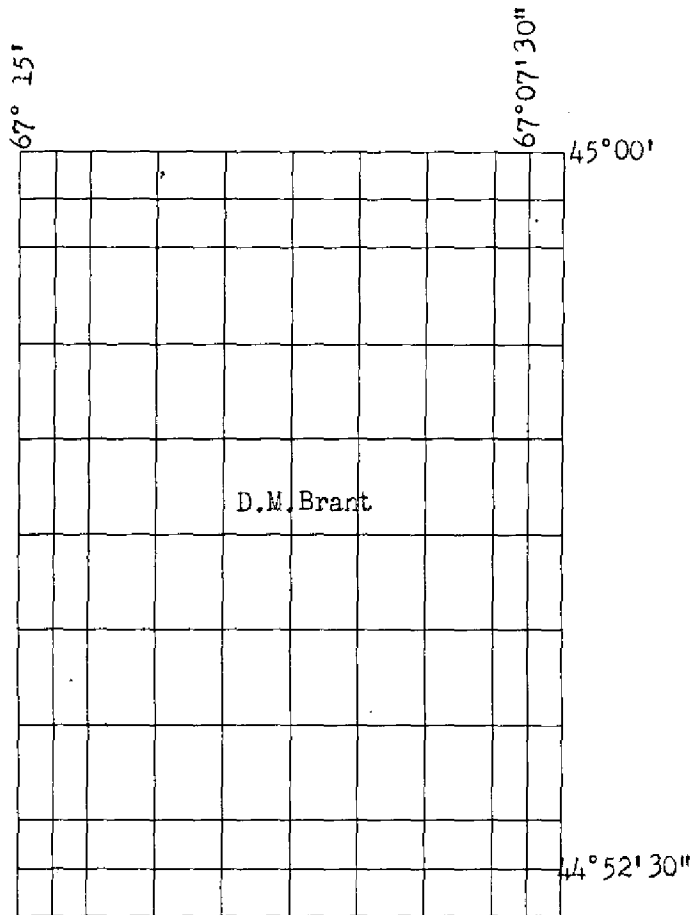
Zone: East

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.



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

## DATA RECORD

Field Inspection by (II): Lewis V. Evans, III  
Boynton Locke, Jr.  
Irving I. Saperstein

Date: Season of 1946

Planetable contouring by (II):

Date:

Completion Surveys by (II): William H. Shearouse  
John R. Smith  
John H. Gwaltney

Date: July 1949

Mean High Water Location (III) (State date and method of location):

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

Date: 18 Dec. 1947

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

Date: 18 Dec. 1947

Control plotted by (III): D.M.Brant

Date: 19 Jan. 1948

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

Date: 22 July 1948

Radial Plot or Stereoscopic D.M.Brant  
Control extension by (III): A.C.Rauck, Jr.

Date: 21 Sept. 1948

Planimetry D.M.Brant  
Stereoscopic Instrument compilation (III):  
Contours D.M.Brant

Date: Winter 1949

Date: Winter 1949

Manuscript delineated by (III): D.M.Brant

Date: Jan.-April 1949

Photogrammetric Office Review by (III): A.K.Heywood

Date: May 1949

Elevations on Manuscript A.K.Heywood  
checked by (II) (III):

Date: May 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
46-C-98-105	5-23-46	1005	1:20,000	No tidal waters
46-C-148-152	5-23-46	1120	1:20,000	No tidal waters
46-C-387-388	5-29-46	1400	"	5.8 MLW
46-C-389-393	5-29-46	1405	1:20,000	5.8 MLW
46-C-632-633	5-30-46	1010	1:20,000	18.4 MLW
46-C-634-639	5-30-46	1015	1:20,000	18.7 MLW
46-C-605-606	5-30-46	0930	1:20,000	18.9 MLW
46-C-604-	5-30-46	0930	1:20,000	15.7 and 17.9 MLW
46-C-607-611	5-30-46	0935	1:20,000	18.9 MLW

1946

Tide (III)

Reference Station: Eastport, Maine

Subordinate Station: Birch Is.

Subordinate Station: Coffin Pt.

Garnet Pt.

Washington Office Review by (IV): C. Theurer

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Ratio of Ranges	Mean Range	Spring Range
1.0	18.2	20.7
1.0	17.6	20.8
1.0	18.3	20.8
1.0	19.1	22.3

Date: 11-1-50

Date:

Date:

Date:

Land Area (Sq. Statute Miles) (III): 49

Shoreline (More than 200 meters to opposite shore) (III): 36

Shoreline (Less than 200 meters to opposite shore) (III): 25

Control Leveling - Miles (II): 31 4th order

Number of Triangulation Stations searched for (II): 19

Recovered: 15

Identified: 9

Number of BMs searched for (II):

Recovered:

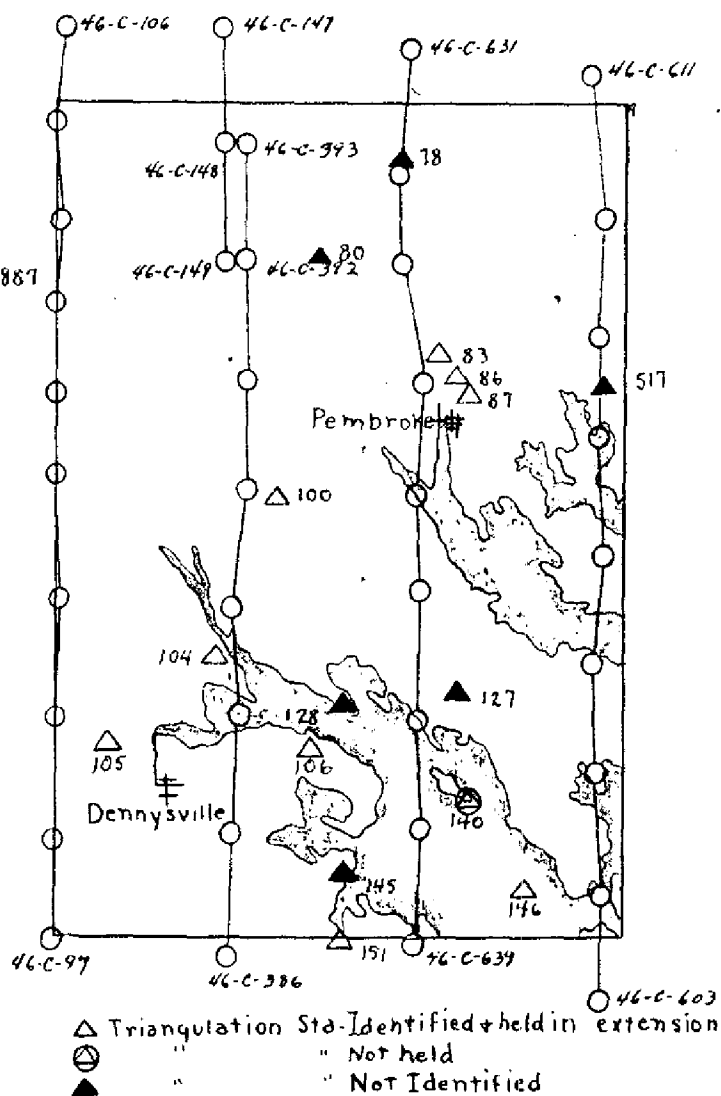
Identified:

Number of Recoverable Photo Stations established (III): 73

Number of Temporary Photo Hydro Stations established (III): 241

Remarks:

- 78 Iron Works Mountain, 1887
- 80 Taylor, 1887
- 83 Pembroke Old English Church, 1887
- 86 Cambell, 1887
- 87 Pembroke Baptist Ch., 1887
- 100 Oak, 1887
- 104 Page, 1887
- 105 King, 1887
- 106 Ancos, 1860
- 127 Mitchell, 1887 Lost
- 128 Dunn, 1887
- 140 Wilbur, 1887
- 145 Richardson, 1887
- 146 Dram, 1887
- 151 Morong, 1887
- 517 Kehoe, 1887



Ph-II(46)

T-8790

SKETCH OF HORIZONTAL CONTROL

MAP T. 8790

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)
WILBUR, 1887	Sp. Pub. 46	N.A.	44 53 50.050 67 09 29.746	1545.0	(307.1)	-23.8	1521.2	(330.9)	1789.6	(389.3)
DRAM, 1887	"	"	44 53 01.300 67 08 51.584	652.7	(663.8)	-2.4	650.3	(666.2)	765.1	(783.8)
PEMBROKE BAPTIST CH. 1887	"	"	44 57 14.360 67 09 46.346	40.1	(1812.0)	-23.8	16.3	(1835.8)	19.2	(2159.8)
PEMBROKE OLD ENGLISH CH. 1887	"	"	44 57 43.725 67 09 54.052	1132.1	(184.7)	-2.4	1129.7	(187.1)	1329.1	(220.1)
IRON WORKS MT., 1887	"	"	44 57 32.650 67 07 47.067	443.3	(1408.9)	-23.8	419.5	(1432.7)	493.5	(1685.5)
KEHOE, 1887	"	"	44 59 25.415 67 10 26.335	1016.0	(299.3)	-2.4	1013.6	(301.7)	1192.5	(354.9)
DUNN, 1887	"	"	44 57 42.690 67 11 15.116	1349.7	(502.4)	-23.8	1325.9	(526.2)	1559.9	(619.1)
RICHARDSON, 1887	"	"	44 54 09.642 67 11 11.777	1184.7	(130.4)	-2.4	1182.3	(132.8)	1390.9	(156.8)
MITCHEL, 1887	"	"	44 53 43.159 67 09 38.023	784.6	(1067.6)	-23.8	760.8	(1091.4)	895.1	(1284.0)
MORONG, 1887	"	"	44 52 31.497 67 11 01.219	576.9	(737.5)	-2.4	574.5	(739.9)	675.9	(870.5)
	"	"	44 54 42.690 67 11 11.777	1007.9	(844.3)	-23.8	984.1	(868.1)	1157.8	(1021.3)
	"	"	44 53 09.642 67 11 11.777	1031.6	(283.5)	-2.8	1029.2	(285.9)	1210.8	(336.4)
	"	"	44 54 43.159 67 09 38.023	1317.8	(534.3)	-23.8	1294.0	(558.1)	1522.4	(656.6)
	"	"	44 52 31.497 67 11 01.219	331.6	(984.6)	-2.4	329.2	(987.0)	387.3	(1161.2)
	"	"	44 54 43.159 67 09 38.023	297.6	(1058.4)	-23.8	273.8	(1578.3)	322.1	(1856.8)
	"	"	44 52 31.497 67 11 01.219	258.5	(1058.4)	-2.4	256.1	(1060.8)	301.3	(1248.0)
	"	"	44 54 43.159 67 09 38.023	1332.3	(519.9)	-23.8	1308.5	(543.7)	1539.4	(639.6)
	"	"	44 52 31.497 67 11 01.219	834.1	(482.1)	-2.4	831.7	(484.5)	978.5	(570.0)
	"	"	44 52 31.497 67 11 01.219	972.3	(879.9)	-23.8	948.5	(903.7)	1115.9	(1063.2)
	"	"	44 52 31.497 67 11 01.219	26.8	(1290.2)	-2.4	24.4	(1292.6)	28.7	(1520.7)

1 FT. = 3048006 METERS

COMPUTED BY: H.P. Richert

DATE Winter 1946

CHECKED BY: E. L. Bauman

DATE

Winter 1946

M-2388-12

MAP T. 8790

PROJECT NO. PH-11(46)

SCALE OF MAP 1:8500

SCALE FACTOR

1.17647

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR U-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)
OAK, 1887	G.P. List 210	N.A. 1927	44 56 26.074 67 12 03.943			804.9 (1047.3) 86.4 (1229.1)	946.9 (1232.1) 101.6 (1446.0)
CAMBELL, 1887	G.P. List 211	"	44 57 04.107 67 09 26.158			126.8 (1725.4) 573.4 (741.9)	149.2 (2029.8) 647.6 (872.8)
PAGE, 1887	"	"	44 55 05.052 67 12 58.535			156.0 (1696.2) 1283.9 (32.2)	183.5 (1995.9) 1510.5 (37.9)
KING, 1887	"	"	44 54 19.788 67 14 15.163			610.9 (1241.3) 332.7 (983.6)	718.7 (1460.3) 391.4 (1157.2)
ARCOS, 1860	"	"	44 54 11.567 67 11 33.804			357.1 (1495.1) 741.6 (574.7)	420.1 (1758.9) 872.5 (676.1)
SUB. PT. KING, 1887	204	"	44 54 67 14			604.5 (1247.7) 339.4 (976.9)	711.1 (1467.9) 399.3 (1149.3)
SUB. PT. DRAM, 1887			44 53 67 08			7.4 (1844.7) 1115.4 (201.4)	8.7 (2170.2) 1312.2 (236.9)
SUB. PT. MORONG, 1887			44 52 67 11			939.9 (912.2) 13.9 (1303.1)	1105.8 (1073.2) 16.4 (1533.0)
SUB. PT. PAGE, 1887			44 55 67 12			771. (1775.1) 1305.1 (11.0)	90.7 (2088.3) 1535.5 (12.9)
SUB. PT. WILBUR			44 53 67 09			1508.8 (343.3) 635.9 (680.6)	1775.0 (403.9) 748.7 (800.7)
Taylor, 1887	GP List	NA 1927	44 58 33.561 67 11 30.985				
Dennysville	"	"	44 54 16.362 67 13 45.655				
Spire, 1887	"	"					

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

DATE Winter 1946

CHECKED BY: E.L. Bauman

DATE

Winter 1946

M-2388-12



FIELD INSPECTION REPORT

TO ACCOMPANY

QUADRANGLE 8790

PROJECT - Ph-11(46)

OCTOBER 1946

1 - DESCRIPTION OF AREA:

This quadrangle extends from W. Long.  $67^{\circ}-07'-30''$  to  $67^{\circ}-15'-00''$  and from N. Lat.  $44^{\circ}-52'-30''$  to  $45^{\circ}-00'-00''$ . It is about three-quarters land area with Pennamaquan Bay and Denrys Bay the principal bodies of water. U. S. Highway No. 1 traverses the quadrangle with numerous other roads and the Maine Central Railroad criss-crosses the area. The principal towns are Dennysville, West Pembroke, and Pembroke.

The shoreline, in general, is rocky with many ledges, coves and rivers.

Photogrammetric Field Inspection was accomplished during October, 1946 under the direction of Lieut. Comdr. Ross A. Gilmore, according to Instructions dated 9 May 1946, Project Ph-11(46) Field. The work consisted of recovery and identification of existing horizontal and vertical control, establishing temporary vertical control, shoreline inspection, and interior inspection.

2 - COMPLETENESS OF FIELD INSPECTION:

The field inspection in this quadrangle is inked on 1:20,000 scale, single lens photographs 46 C 08, 10, 34, 36, 38, 98, 100, 102, 104, 148, 150, 152, 386, 388, 606, 632.

All important features, such as buildings and bridges, were identified and vegetation and roads were classified. Short trails not leading to any particular place were left unmarked.

3 - INTERPRETATION OF PHOTOGRAPHS:

Reference is hereby made to the report for quadrangle 8795 in which this subject is discussed at length. Filed in Div. of Phtg. - General Files

4 - HORIZONTAL CONTROL:

A search was made for every known horizontal control station within the limits of this quadrangle. 9 stations were recovered and identified on the photographs. 4 stations could not be recovered after a careful search. 6 stations were recovered but not identified as the horizontal control requirements of the Instructions were adequately met without them. These

6 stations are as follows:

Taylor, 1887	Kehoe, 1887
Oak, 1887	Dunn, 1887
Iron Works Mountain, 1887	Richardson, 1887

The following photographs were used for the identification of control:  
 1:20,000 scale contact prints Nos. 46 C 99, 387, 388, 635, 640.  
 1: 8,500 scale ratio prints Nos. 46 C 604, 637.

#### 5 - VERTICAL CONTROL:

All known vertical control stations of the Coast and Geodetic Survey and of the Geological Survey located within the quadrangle were searched for and those recovered were identified on the photographs. Outside the western limits, only those bench marks used for establishing points were identified.

The elevations of all temporary control points were determined by trigonometric level lines run from and tied back to, existing bench marks of the U.S.C. & G.S. or U.S.G.S., except points PE-36 and 37 which were determined from a temporary point established by H. G. Murphy, Engineering Aid. All closures were within the 2 foot limit allowed and are indicated in the index of "Trigonometric Levels, Quadrangle 8790".

Level points are circled on both sides of the photographs and are numbered and the elevations entered on the back of the prints. The letters "PE" prefix all spot elevations including those outside the quadrangle limits, except WH20, 36, and 38 which were determined from a line run into quadrangle 8792.

Approximately 31 miles of 4th order levels were run and 37 temporary elevation points were determined.

The following 1:20,000 photographs were used: 46 C 99, 101, 103, 149, 151, 387, 389, 391, 393, 605, 609, 611, 633, 635, and 637.

#### 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.

1:8,500 scale enlarged photographs were used as follows: 46 C 387, 388, 389, 604, 605, 606, 607, 608, 609, 634, 636, 637, 638, 639.

8 - LOW-WATER LINE:

The low water line was not delineated on the photographs as the photographs are high water pictures, and it would have been impossible to delineate the low water line with any degree of accuracy.

However, most of the coves and inlets practically drain out at low water.

9 - WHARVES AND SHORELINE STRUCTURES:

The only pier of any consequence is the Standard Oil Pier in Pennamaquan Bay, photograph 607.

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:

There are no landmarks or permanent fixed aids to navigation within the limits of this quadrangle.

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 Vol. 7 and 8. 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:

None.

14 - ROAD CLASSIFICATION:

Roads were classified in accordance with "General Instructions - Classification and Compilation of Roads" dated 30 June 1945. See Comp. Report #28

15 - BRIDGES:

There are no bridges over navigable water within the limits of the quadrangle. However, one bridge clearance was noted on photograph 387. A wooden bridge over the Denny's River is broken and closed to traffic, photograph 388.

16 - BUILDINGS AND STRUCTURES:

Buildings were identified by encircling them with red ink. Only those buildings thus encircled are intended to be shown on the compilation. However, remote areas were not in all cases visited and it is probable that small camp buildings may be found by searching the banks of streams and lakes. These isolated buildings would likely be considered of importance to sportsmen using the published map.

17 - BOUNDARY MONUMENTS AND LINES:

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

18 - GEOGRAPHIC NAMES:

Same as 17 above.

19 - SYMBOLS:

Symbols may be found on the back of photograph 635.

Note: Item 4, was done under the supervision of Lt. (jg) Lewis V. Evans, III,

Items 1, 2, 3, 5, 14, and 16 by Boynton Locke, Jr., Photo. Aid,

Items 7, 8, 9, 10, 11, 12, and 15 by Irving I. Saperstein, Engr. Drafts.

Respectfully Submitted:

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

Boynton Locke, Jr.  
Boynton Locke, Jr., Photo.Aid

Irving I. Saperstein  
Irving I. Saperstein, Engr. Drafts

Approved and Forwarded:

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

## COMPILATION REPORT

TOPOGRAPHIC SURVEY

PROJECT PH-11(46)  
Survey No. T-8790

### 26. CONTROL

#### a) Horizontal control

Refer to compilation report for Project PH-11 (46), Coast of Maine dated 19 January 1949. Filed in Div. of Phtgy- General Files

#### b) Vertical control

Contours in model 46-C-386-387 are dashed due to very poor positives in a heavily wooded area. Field elevations could not be evaluated consistently due to such poor definition. See Review Report. P 48 for T8792

### 27. RADIAL PLOT

None.

### 28. DETAILING

All details, except shoreline, were delineated with the multiplex plotting instrument. Roads have been reclassified in accordance with instructions as amended 24 October 1947. All wooded areas have been carefully examined, and with the exception of certain border line cases, within their proper limits.

In many cases glare from the water surface impeded the reading of the elevation of the waters edge consistently.

The model 46-C-148 and 46-C-147 could not be horizontalized because of clouded areas. The planimetry and shoreline around Pennamaquam Lake have been drawn from this model but in some areas the shoreline was drawn with one projector. Contoured by Field Editor.

### 29. SUPPLEMENTAL DATA

None.

### 30. MEAN HIGH WATER LINE

Except for minor changes, the mean high water line has been shown as that furnished on the field inspection photographs. Shoreline points plotted with the multiplex, were used as control for compiling shoreline.

### 31. LOW WATER AND SHOAL LINES

As no low water line was furnished by the field party (see paragraph 8 of the field report), that shown on the manuscript was delineated from office interpretation and should be verified by the hydrographic party.

See Review Report.

32. DETAILS OFFSHORE FROM THE HIGH WATER LINE

Data are believed to be complete. However, there are many offshore rocks and reefs which could not be seen on the photographs and some have been shown with a dashed line around the area. See Review Report #31

33. WHARVES AND SHORELINE STRUCTURES

Data are believed to be complete.

34. LANDMARKS AND AIDS TO NAVIGATION

None

35. HYDROGRAPHIC CONTROL

The following recoverable photo (topographic stations) were rejected because they could not be seen on the photographs:

	<u>Pricked on Photo. No.</u>
GABLE, 1946 (90209)	635
GABLE, 1946 (90228)	635

See descriptions of photo-hydro stations attached to Note for Hydrographic Parties.

37. GEOGRAPHIC NAMES

The geographic names appearing on this map are from the report of Harold A. Duffy. A list of the names is attached to this report.

The geographic names list show "Moose Horn Wild Life Refuge"

"Moosehorn National Wildlife Refuge" is shown in the following:

- 1) Fish and Wildlife Service map No. 39 Moo 27, dated Dec. 1941. This map was made to show boundaries of the Refuge.
- 2) Boundary Report pg. 2
- 3) 10 copies of land tracts dated 1939
- 4) Wash. County Map, by Mass St. Hwy. Commission and F.W.A. & P.R.A.

The field edit party should investigate the proper geographic name for this area. See Geog Names Report.

38. JUNCTIONS

Junctions have been made as follows:

To the north with T-8788

To the south with T-8792

To the east with T-8791

To the west with U.S.G.S. Gardner Lake, Me. 15 minute quadrangle. No attempt has been made to make junction with this quadrangle.

### 39. BOUNDARIES

Two monuments were picked on photo 46-C-390 to establish the Dennysville-Pembroke town line -- the monuments are DENNYSVILLE-PEMBROKE TOWN LINE and DENNYSVILLE-PEMBROKE (local information), No. 524 Form was furnished by the field party for this monument. There is not sufficient information to complete the boundary and it will have to be completed by the field edit. *Completed by Field Editor.*

SS (MARK. COR., CHARLOTT-DENNYSVILLE-PEMBROKE) could not be plotted within the required accuracy because of heavy woods and its position should be used with caution. No topo. OK for townline.

The boundary monuments US-3,4,5, 6, 7, 9, 10, 11, 12, 14, 15, 16, 17, 87, 88, 89, and 90 picked direct on field photo 46-C-386 do not agree with the pedagraph sheet for this area. The points were picked direct as accurately as possible but due to heavily wooded areas and poor identification of points it is believed that they are not within the limits of map accuracy.

*Located by Field Editor*

### 44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

The map manuscript compares favorably with the Eastport 15 minute quadrangle of the U.S.G.S., scale 1:62,500, edition of 1945. More swamp areas appear on the Geological Survey quadrangle than we believe to exist at present.

### 45. COMPARISON WITH NAUTICAL CHARTS

Visual comparison was made between this map and Chart 801, published Dec. 1919 (1st edition), scale 1:40,000. Agreement was good with the exception of southern shoreline in the vicinity of Duck Harbor. There were numerous rocks and ledges which could not be seen on high water photographs. ~~After completion of the field edit and hydrographic surveys, it is recommended that this chart supersede all previously charted information.~~

Respectfully submitted

19 May 1949

*Donald M. Brant*

Donald M. Brant  
Cartographic Draftsman

*Stanley W. Trow*

Stanley W. Trow, Supervisor

*Albert K. Heywood*

Albert K. Heywood  
Engineering Draftsman  
Reviewer

*Thos. B. Reed*

Thos. B. Reed  
Officer in Charge  
Baltimore Photogrammetric Office



## Field Edit Report, T-8790

51. Methods.--All roads were ridden out by truck or "Jeep", to check their classification, to investigate areas in question, to reclassify buildings, to edit woodland classification, and to visually inspect planimetry and contours as to relief expression.

Shoreline work was done from a skiff and outboard motor running close inshore and at or near low-water.

Standard planetable methods were used to contour an area obscured by clouds, to check dashed line contours and to run two vertical accuracy tests.

Field edit information has been shown on the following sources: (1) Discrepancy Prints; (2) Field Edit Sheets Nos. 1 and 2; (3) 1:8,500 scale ratio photographs 46 C 98, 99, 100, 105, 387, 388, 389, 390, 391, 392, 393, 634, 635, 636, and 637.

Red ink was used for additions and corrections; green for deletions. The letter "R" following a photograph number indicates a ratio print. No legend is shown.

52. Adequacy of compilation.--Full advantage of  $\frac{1}{2}$  tide a flight of photographs, taken near low-water, was not taken by the field inspection party. The field edit party utilized these photographs to furnish additional shoreline information which will more accurately portray the foreshore when applied to the map manuscript. This work is shown on 1:8,500 scale ratio photographs 46 C 387 and 388, and covers most of the western shore of Dennys Bay.

In side heading 32 of the Compilation Report, mention is made of the many rocks and reefs which could not be seen since the photographs were taken near high-water. These photographs cover most of Dennys Bay and the area is very inadequately mapped, on this compilation, outside mean high-water line. These numerous offshore features are hereby called to the attention of the hydrographer. See Review Report TP 31

Inshore compilation of the map manuscript will be complete after application of field edit data.

53. Map accuracy.--Two vertical accuracy tests were specified. See Review Report

The test at Lat.  $44^{\circ}58.5'$ , Long.  $67^{\circ}15'$  originated vertically at bench mark K 96, and was run back to the same bench mark. The vertical error of closure was 0.7 ft. high. No adjustment was made. A spur line was run off this line to the eastward to check dashed line contours. The contours were found somewhat in error and were corrected. Horizontal origin of this test was at a road intersection and it was terminated at the same place. Error of closure was negligible and no adjustment was made.

The test at Lat.  $44^{\circ}54'$ , Long.  $67^{\circ}15'$ , originated vertically at bench mark R 6 and was terminated at the same point. The error of closure was 0.6 ft. high. No adjustment was made. Contours tested proved to be substantially correct. Minor corrections were made. This test was begun and ended horizontally at the point where the railroad crosses the highway at Dennysville Station.

Four planetable traverse lines were run across an area comprising about three square miles of dashed line contours located at Lat.  $44^{\circ}53'$ , Long  $67^{\circ}13'$ . These lines originated and terminated at a bench mark or a trigonometric level point vertically, and at acute road intersections horizontally. Error of vertical closure in no case exceeded 1 foot and no adjustment was made. Neither was horizontal adjustment made since error of closure was negligible. Dashed contours in the area required some revising but were substantially accurate.

The three foregoing tests were accomplished on the Field Edit Sheets.

An area of about  $1\frac{1}{2}$  square miles in the vicinity of Lat.  $44^{\circ}59'45''$ , Long.  $67^{\circ}12'$ , was contoured by standard planetable methods as this area is obscured on the photographs by clouds. This work was accomplished on 1:8,500 scale ratio prints 46 C 148 and 631.

All questioned corners of the Moosehorn National Wildlife Refuge were relocated by planetable traverse and shown in their correct position on the field edit sheet.

54. Recommendations.--No recommendations are offered.

55. Examination of proof copy.--Mr. Horace P. Kilby, long time resident of Dennysville, who was formerly an employe of the U. S. Geological Survey, and who assisted the field inspection party of Lieut Comdr. Ross A. Gilmore in 1946, has agreed to examine a proof copy of the map. It is believed that Mr. Kilby is well-qualified to make the examination since in addition to his surveying experience he has been a game warden and sportsman's guide. He is highly familiar with the area. Address: Horace P. Kilby, Dennysville, Maine.

The official name of the National wildlife refuge shown on the map manuscript is "Moosehorn National Wildlife Refuge".

No other discrepancies in geographic names was noted.

Respectfully submitted,

*George E. Varnadoe*  
George E. Varnadoe, *was*  
Cartographic Engineer


NOTES  
FOR  
HYDROGRAPHER  
  
EASTERN MAINE

TOPOGRAPHIC MANUSCRIPT


PROJECT PH-11(46)  
Survey No. T-8790

Descriptions of photo-hydro stations, for use as hydro-  
graphic signal sites, are attached.

Respectfully submitted  
April 1948

  
Donald M. Brant  
Cartographic Draftsman

Approved and forwarded

  
Thos. B. Reed  
Officer in Charge  
Baltimore Photogrammetric Office

Signal No.	Description	Photo. No.	Height Above MHW.
9001	Largest boulder at MHW on prominent point of land.	638	3'
9002	25' spruce 3 m inshore from MHW. Tree is 5 m W of bare clay bank.	638	2'
9003	15' spruce at MHW. Bare bank inshore from tree. Bare flat ledge surrounded by grass offshore 3m.	638	0'
9007	45' spruce 4 m E of 40' birch. Spruce is 5 m inshore from MHW.	387	3'
9008	20' white pine that leans over water at MHW. Base is at MHW.	387	0'
9010	Taller of two tall white pines. Pines are approx. 3 m. apart and shorter one is crooked.	387	1'
9011	40' white pine with 20' crooked birch against its base 1 m inshore.	387	1'
9012	35' spruce approx. 15 m S of tip of small point. Tree is 2 m inshore from MHW.	387	3'
9013	25' spruce on point of land. A spruce tree is uprooted 5 m S of it. Sta. 18 3 m inshore from MHW.	387	2'
9014	40' white pine tree approx. 30 m S of head of cove and on W side 1 m inshore from MHW.	387	2'
9015	Top of brown ledge 4 m E of MHW.	387	35'
9016	W gable of shingled barn N of yellow house	387	35'
9017	Highest part of brown granite ledge.	387	2'
9018	30' lone spruce 10 m N of 25' tamarack. Spruce is 2' m inshore from MHW.	387	4'
9019	10' spruce on ledge. Spruce is westernmost tree on ledge.	387	5'
9020	Highest part of offshore ledge. Ring bolt in top.	387	2'
9021	Highest part of prominent ledge.	387	2'
9022	Highest part of jagged offshore ledge. Ledge is 8 m from bush line and 5 m from MHW.	638	2'
9023	Lone 20' spruce at MHW.	639	0'
9024	25' pine 15 m E of smaller crooked pine.	639	4'

Signal No.	Description	Photo. No.	Height above MHW
9029	35' tamarack 40 m E of power line crossing. Tree is approx. 2 m inshore 2' from MHW.	387	2'
9030	30' bushy lone spruce at brush line inshore from grassy point.	387	2'
9031	35' spruce tree with 20' birch growing out from its base on NW side.	387	2'
9032	15' spruce, most southerly of six	387	3'
9033	30' slender spruce tree approx. 2m inshore from MHW, approx. 30 m E. of small bight	387	1'
9034	25' lone bushy-topped white pine, approx. 30 m. W of prominent ledge.	387	2'
9035	30' twin spruce, approx. 10 m W of boulder with ring bolt in top. Trees are approx. 0.3 m apart and approx 3 m from MHW	387	2'
9036	20' spruce at brush line approx 10 m NW of a stump. There is a twin birch growing through the lower limbs of the spruce.	639	2'
9038	35' spruce tree which is the most westerly of three on prominent point. Approx. 3 m inshore from MHW.	639	4'
9039	20' lone spruce at brush line. There is a round 2' boulder approx. 8 m NE of the tree. Boulder is below MHW.	639	1'
9040	30' bushy spruce with round top. Tree leans toward the water.	639	3'
9041	40' lone white pine on prominent point. A dead pine is approx. 5 m E of it.	639	5'
9042	30' spruce which is the most westerly tree on high ground on prominent point.	639	4'
9043	20' bushy topped spruce approx. 15 m N of forked birch tree.	639	3'
9044	10' lone spruce, approx. 8 m inshore from MHW.	639	5'
9046	Lone 12' spruce tree on point of land about 8 m S of two 25' spruces and 2 m N of MHWL.	639	3'
9047	25' leaning spruce tree on N side of small cove 1 m E of MHWL.	639	1'

Signal No.	Description	Photo. No.	Height above MHW
9049	25' spruce about 30 m E of extreme NW pt. of island with group of 25' spruces. Station is 8 m S of MHWL.	604	10'
9050	Lone 35' spruce on extreme SE tip of island.	604	2'
9051	15' spruce about 8 m E of MHWL and about 30 m S of extreme tip of land, immediately E of a smaller spruce.	604	4'
9052	Lone 7' spruce in clearing about 8 m SW of MHWL and about 8 m NE of a 7' bushy spruce.	604	8'
9054	30' leaning spruce 3m N of MHWL, in group of Hackmatack trees.	604	3'
9055	Stump which is highest pt. on ledge in NE part of small cove.	604	5'
9056	Lone 25' spruce on pt. of land 3 m N of MHWL and 5m S of dead tree.	604	3'
9057	Lone 15' apple tree in clearing, 20 m N of MHWL and 10 m E of group of 25' spruces	604	7'
9058	30' spruce tree, with branches on upper half of tree about 13 m S of fallen dead tree.	604	2'
9059	25' spruce, immediately W of <sup>10'</sup> earth bank 1 m E of MHWL and about 30 m S of gravel and boulder bar.	644	2'
9060	20' spruce in approx. center of small islet.	604	15'
9061	Lone 15' spruce, about 12 m E of MHWL at head of small creek.	604	3'
9062	Lone 35' spruce with 2 tops, 5 m N of MHWL and immediately W of an apple tree.	604	4'
9063	Lone 25' bushy spruce 2m N of MHWL at top of ledge.	604	3'
9064	Highest pt. on ledge, about 10 m W of a lone 20' spruce among alder bushes and apple tree to the S.	604	4'
9065	Lone 15' spruce in clearing about 10 m N of MHWL. A boulder is on MHWL S of station.	605	4'
9066	Group of Hackmatack trees, about 4 m N of MHWL and 5 m E of line of spruces.	605	5'
9067	Lone 25' spruce, about 3 m N of MHWL and about 7 m SE of a 15' spruce.	638	5'

Signal No.	Description	Photo. No.	Height above MHW
9068	10' double spruce, the only tree on small islet.	638	5'
9071	Lone 15' bushy spruce at head of small cove, 7 m N of MHWL.	638	3'
9072	Lone 20' spruce on pt of land about 7 m N of MHWL	638	3'
9073	Lone, slim 20' spruce, SE'ly of a spruce line.	638	4'
9075	Tallest spruce (about 25') in clump on center of a small island.	638	3'
9076	Station is most NW tip of a prominent island on the N side of a small cove. It is most NW on the island.	638	3'
9077	Station is 20' spruce immediately S of a fallen spruce. About 1m W of MHWL and about midway between two small pts. of land.	638	3'
9078	Station is lone 15' spruce about 2m SW of MHWL at foot of a small clearing. About 15m S of a 35' pine.	638	3'
9079	Station is lone spruce about 25' tall about 1 m SW of MHWL and about 10m S of a tall white pine (40')	638	3'
9080	Station is a large white pine about 30' tall and about 1 m W of MHWL.	638	3'
9081	20' spruce in SW cor. of small cove. It is the end spruce in row.	638	3'
9082	Station is highest part of brown granite ledge at extreme NW tip of small island.	638	2'
9084	Station is tall 25' spruce about 2 m E of MHWL and about 15 m N of a small tar paper covered shack.	637	3'
9086	Station is 20' double spruce on the MHWL on the S end of a clearing immediately W of a raised bank and about 30m S of the remains of a cribbing.	637	0'
9088	Station is double 25' spruce on NE side of a cove on the MHWL.	637	0'
9089	Station is 15' lone spruce about 5 m S of a 10' spruce about 5 m <sup>N</sup> W of MHWL.	637	2'
9090	Station is lone 15' spruce about 5 m S of a 10' spruce about 5 m W of MHWL.	637	2'
9091	Station is tallest spruce (15') of several spruce trees SW side of a small island.	637	5'










Signal No.	Description	Photo. No.	Height above MHW
9092	A lone 5' spruce, immediately W of a group of birch on the MHWL and on the edge of a ledge.	637	5'
9093	Station is a 10' flat topped spruce on a pt. of land and S of a clump of birches.	637	8'
9094	A 15' conical spruce on the MHWL about 25 m NW of a pt. of land.	637	5'
9095	A 15' spruce about 10m N of a fallen pine about 5 m. E of MHWL.	637	3'
9096	Station is lone 30' spruce on the NW side of a small cove about 7 m W of the MHWL.	637	5'
9097	Station is 15' spruce about 2 m N of MHWL on edge of a ledge	637	7'
9098	Lone 15' spruce about 2 m N of MHWL on top and edge of ledge.	637	5'
9099	Lone 30' bushy spruce at head of a small cove. About 10 m E of MHWL.	637	4'
90100	Station is a 10' spruce on a pt of land on the S side of a small cove.	637	4
90101	Station is a 20' flat topped spruce on a pt. of land and on the MHWL. It is 3 m S of a group of birches and is curved at its base.	637	3'
90102	Station is 20' red pine 2 m E of MHWL and on S side of a small inlet.	637	3'
90103	A lone 30' spruce at the head of a small cove about 3 m N of MHWL.	637	3'
90104	Station is a boulder that bares 1' at MHWL and 2 m E of MHWL and on the SW side of a small cove.	637	1'
90105	Station is 10' spruce on the S tip of the island.	637	4'
90106	Station is 18' spruce on the SE tip of an island surrounded by alders. It is about 4 m W of MHWL.	637	3'
90107	Station is a 25' spruce on N side of a cove on the W side of the island and about 3 m E of MHWL.	637	6'
90108	Lone 15' spruce west of a group of birches 15 m S of MHWL.	637	3'
90109	A 15' spruce NW of a gravel beach on the MHWL. About 8 m E of a pt.	637	4

Signal No.	Description	Photo. No.	Height above MHW
90110	A 35' white pine with branches in upper part of tree only and N of an earth bank.	637	1'
90111	A 20' white pine on extreme tip of ledge pt.	637	2'
90112	A lone 30' spruce on NW side of cove. It is tallest spruce in vicinity and about 1 m W of MHWL.	636	2'
90113	A double spruce about 6 m N of a small pt. It is only spruce in vicinity and about 1 m W of MHWL.	636	2'
90114	A lone 15' spruce about 8 m N of another spruce, about 1 m W of MHWL and SW side of a small cove.	636	2'
90115	A lone 15' spruce on a pt. only spruce in vicinity. About 1 m S of MHWL.	636	2'
90116	Highest pt. of ledge about 35 m E of mainland in middle of entrance to small cove.	636	3'
90117	A 25' spruce, W 10 m from a pt. about 3 m E of MHWL.	637	3'
90118	A 35' white pine with large spreading limbs on a pt. About 2 m N of MHWL.	637	3'
90119	A 15' spruce N of a very small clearing at the head of a small cove and S of a low bank.	637	2'
90120	A lone 20' spruce about 3 m N of MHWL. It is on top of an earth bank.	637	3'
90121	A 35' prominent double spruce, tallest in vicinity and about 8 m W of MHWL.	388	5'
90122	A 25' spreading white pine on a rock ledge pt. of land on S side of small cove.	637	3'
90123	A 15' spruce about 2 m W of MHWL. It is a leaning tree and is E of all the other trees.	637	3'
90124	A 25' spruce, N of a group of spruces in a small cove about 3 m W of MHWL.	388	3'
90126	A 15' lone red pine about 5 m E of MHWL and on the E side of a small cove.	388	5'
90127	A lone leaning 25' white pine on W side of small cove about 2 m W of MHWL.	388	1'

Signal No.	Description	Photo. No.	Height above MHW
90128	A 25' white pine on NW side of cove on a pt. and about 4 m S of a small group of birches.	388	2'
90129	A lone 25' spruce in a small group of birch trees about 5 m S of MHWL.	388	6'
90132	A 25' red pine on SW side of a cove. It is about 3 m SE of twin spruces. It is most easterly of group of pines.	388	3'
90133	A 30' slightly curved spruce on NE side of cove, about 3 m E of MHWL.	388	3'
90134	A 20' spruce about 10 m NW of the pt. of a 10' earth bank. It is about 5 m N of MHWL.	388	5'
90135	A very prominent 30' white pine on a pt. It is the only pine in vicinity and appears to be two trees as its branches are about six ft from ground level.	388	3'
90137	A lone 20' leaning spruce near E end of a cove about 3m N of MHWL.	388	3'
90138	A 25' white pine about 20 m W from the pt of a 2' dirt bank, about 2 m E of MHWL. It is only pine in vicinity.	388	3'
90139	A lone 10' spruce about 4 m NW of MHWL. It is most easterly of a group of spruce and about 7 m SW of a group of 25' pines.	388	3'
90140	A lone 15' spruce about 5 m SW of a 20' bushy spruce, and in a small cove.	388	3'
90141	A lone 20' white pine on SE side of a small cove. About (2) m E of MHWL.	389	5'
90142	A 25' spruce on extreme tip of a ledge pt. on the MHWL.	389	5'
90143	A lone 20' bushy spruce about 12 m SE of three 25' spruce trees.	389	5'
90144	A lone 25' white pine. It is about 10 m SE of a small cove.	389	4'
90146	A lone 25' white pine about 3 m E of MHWL.	389	3'
90147	A lone 15' spruce in a clearing on the E shore about 200 m SE of the head of a small stream.	389	3'
90148	Station is red brick chimney in center of a brown house with gray shingle roof.	389	50'

Signal No.	Description	Photo. No.	Height above MHW
90149	A lone 25' wide bushy white pine.	389	6'
90151	Station is E gable of gray shingle barn. There is a small window underneath the E gab.	389	50'
90152	A 20' lone bushy pine about 10 m N of a lone 15' spruce.	389	5'
90153	A lone 8' spruce on N side of a small cove on edge of ledge.	389	3'
90154	A lone 15' spruce about 6 m NE of a 20' spruce.	389	5'
90155	A 30' white pine on a pt., NW side of a small cove. Only pine in vicinity.	389	5'
90156	Lone 25' spruce on W side of small inlet, about 5 m W of MHWL.	388	3'
90158	Lone 20' white pine on N side of an inlet about 12 m N of MHWL.	388	8'
90159	A 10' double spruce on SW end of earth bank. Station is 1st spruce on SW end of bank.	388	5'
90161	Station is S gable of gray shingle barn with an attached shed on the W side.	388	85' ———
90162	A lone 25' spruce on top of 8' bank and 10 , E of a marine railway.	388	8'
90163	A 25' white pine about 50 m W of a pt and on the MHWL.	388	1'
90164	A 30' white pine with large spreading limbs on a pt. of land about 2 m NW of MHWL.	388	1'
90165	A lone 5' spruce near the N edge of a clearing and about 3 m W of MHWL.	388	3'
90166	A lone 25' spruce at the head of a small cove, about 3 m W of MHWL and with a very slight lean.	388	3'
90167	A 20' lone leaning spruce at the head of a cove, about 5 m S of a group of leaning spruce, about 2 m NW of MHWL.	388	2'
90168	A 30' double spruce on an extreme pt. of land.	388	3'
90170	Sta. is W gable of 1½ story green shingle house with an extension on the E side and with 2 chimneys.	388	60' ———

Signal No.	Description	Photo No.	Height above MHW
90174	Lone 15' spruce on West side of inlet on edge of cleared field about 12 m W of MHWL.	389	5'
90176	A 25' spruce about 3 m W of MHWL and about 2 m N of a slightly smaller spruce.	605	4'
90177	A 20' spruce on a pt and N of a cove, about 3 m N of MHWL and E of another spruce.	605	2'
90178	A 35' leaning white pine at the head of a cove.	605	4'
90179	A lone 40' white pine very prominent and only pine in vicinity and about 18 m W of MHWL.	605	20'
90180	A 15' spruce on extreme N tip of small islet.	605	4'
90181	A 20' spruce about 7 m W of a leaning spruce and on pt of land and about 3m N of MHWL.	605	4'
90182	A 20' conical spruce about 10 m NE of a ledge.	605	4'
90183	A 30' leaning spruce on the E side of an inlet and on the MHWL.	605	1'
90184	Station is highest pt of ledge	605	3'
90185	A 20' spruce, most northerly of a group or row of spruce and about 3m W of MHWL.	605	5'
90186	A 20' lone spruce on the E end of an earth bank about 3 m N of MHWL.	604	3'
90188	A 20' spruce E of a group of spruce and W side of a gravel beach and about 3 m NW of MHWL.	604	2'
90189	A 30' white pine with a prominent leaning position; station is at the head of a small inlet.	604	4'
90190	A lone 10' spruce on a prominent pt.	604	5'
90191	A 25' spruce, the most northeasterly of a group of three trees.	606	4'
90192	A 25' spruce, the most easterly tree on a pt.	606	4'
90193	A lone 25' spruce the most westerly of a line of a line of spruce trees.	606	4'
90194	A lone 10' spruce the most northwesterly of a group of spruce.	606	3'
90195	A lone 20' spruce about 10 m E of a lone birch tree.	606	3'

Signal No.	Description	Photo. No.	Height Above MHW.
90196	A lone 15' spruce about 12 m E of a pt. of land.	606	3'
90199	Station is E gable of a low one-story house with chimney on E gable.	636	25' 
90200	A lone 25' spruce on the NE side of a small cove and slightly leaning toward the MHWL.	636	3'
90202	Station is highest part of a ledge pt on the SE side of an island.	636	3'
90203	A 25' spruce at the head of a cove and on the E side of a small open area.	636	3'
90204	Station is N gable of yellow 2 story house with red brick chimney in center of roof.	636	45' 
90205	Station is E gable of a white 1½ story house with two chimneys.	636	60' 
90206	A 10' spruce, the SE and tallest one of a small clump of spruce and about 12 m S of a group of 30' spruce.	636	31'
90207	Station is red brick chimney on top of a 2-story white house with a pyramidal roof.	636	50' 
<u>N</u> 2			
90208	Station is E gable of a shingle barn about 200 m NW from the head of a cove.	635	50' 
90210	A 25' double spruce on SW side of a small cove.	635	3'
90211	Station is east gable of a 2-story shingle house with a red brick chimney and a green roof.	635	50' 
90212	Station is S gable of a shingle barn with a green asphalt shingle roof.	635	30' 
90214	A lone 15' spruce about 40 m NW of a pt.	635	15'
90215	A lone 20' spruce about 10 m N of MHWL.	635	10'
90216	A 25' spruce on the E side of a clearing.	635	5'
90217	A lone 25' white pine about 25 m N of a pt. Station is only large tree in vicinity.	635	6'



Signal No.	Description	Photo. No.	Height above MHW.
<u>S</u> 2			
90219	A 15' bushy spruce in the head of a small cove and about 10 m SE of an alder bush.	635	6'
90220	A lone 10' spruce on edge of ledge	635	10'
90221	A lone 10' spruce on edge of ledge and about 5 m N of a slightly taller spruce.	635	3'
90222	A lone 35' white pine on edge of ledge. Station is very prominent and only large tree in vicinity.	635	4'
<u>N</u> 2? 90124	A lone 20' white pine <sup>on</sup> pt. of land. Station is only tree of its size on the pt. of land and only white pine.	635	10'
90226	Station is S gable of 2 story white house with a green asphalt shingle roof and a red brick chimney.	635	60' ———
<u>S</u> 2 90229	A lone 15' spruce about 1 m W of MHWL.	635	21'
<u>N</u> 2 90231	Station is S gable of 1½ story shingle house with a shingle roof and 2 chy.	635	40' ———
90232	Station is SE gable of white house with green roof.	635	50' ———
90233	Station is east gable of shingle house with shingle roof and red brick chimney in center of roof.	635	60' ———
<u>S</u> 2 90234	A 30' white pine on a pt. and SW of a group of pines.	607	3'
90235	A lone 30' white pine on a pt. about 10 m S of another pine.	607	4'
<u>N</u> 2 90240	Station is SW gable of shingle barn with an addition on SW side.	635	80' ———
<u>S</u> 2 90242	Station is red brick chy in center of a 2 story clapboard house with a green asphalt shingle roof. There is another chy N of the sta. chy.	607	40' ———
90243	Station is W gable of shingle barn about 100 m N of a dwelling.	607	35' ———
90244	A lone 10' bushy spruce on N side of an inlet and most NE spruce of a group of spruce trees.	607	4'
90245	A lone 25' spruce on top of a 10' earth bank.	607	10'

Signal No.	Description	Photo. No.	Height above MHW.
90246	Station is tip of a ledge extending outward from shoreline. Top of ledge has low brush on it.	607	6'
90247	A 30' white pine on a prominent pt. about 1 m S of MHWL.	607	3'
90248	A lone 15' spruce on a ledge pt on NE side of cove.	607	5'
90249	A 30' leaning white pine near the head of a cove and only white pine in vicinity.	607	2'
90250	A 30' lone, leaning spruce, only tree in vicinity.	607	3'
90251	Highest pt. offshore ledge.	607	1'
90252	A lone 15' spruce about 25 m S of a pt. and about 1 m E of MHWL.	607	2'
/ 90253	A 50' white pine on S side of a cove about 15 m <sup>S</sup> of a ledge that extends outward from the shoreline.	607	2'
90254	A lone 30' leaning spruce on a small pt at the head of a cove and about 15 m W of a wire fence crossing the inlet.	607	1'
/ 90255	Station is the center of a cupola on top of a shingle barn, about 150 m W of MHWL.	607	50' ———
/ 90256	A 40' white pine on a pt and about 2m S of MHWL.	608	0'
90257	A 35' slightly leaning white pine on SE side of a cove.	608	4'
90258	A lone 15' spruce on a pt of land and most easterly tree on the pt.	608	3'
90259	A 30' white pine on a pt and N of several birch trees.	608	4'
90260	A lone 25' spruce on a pt. on the SE entrance to an inlet and is tallest spruce of several in vicinity.	608	3'
90261	A lone 20' spruce slightly leaning on a pt.	608	2'
90262	A 35' prominent white pine about 4 m W of MHWL.	608	5'
90263	A prominent 40' white pine and about 5 m W of MHWL and in a very small cleared area on sloping bluff.	608	5'



Signal No.	Description	Photo. No.	Height above MHW
✓ 90264	A lone 25' spruce near head of cove and only tree in vicinity.	608	4'
90265	Station is highest part of boulder about 20 m NW of a pt and about 1 m S of the MHWL.	608	2'
90266	A lone 15' spruce about 12m NE of a 35' white pine and about 5 m W of MHWL.	608	2'
90267	A lone 25' pointed spruce about 12 m E of a lone white pine.	608	3'
90268	A 25' double spruce on a pt. and NE of a group of spruce.	608	5'
90269	A lone 20' spruce on a ledge pt.	608	4'
✓ 90270	Station is E gable of a 2 story house with gray asphalt shingle siding and 2 red brick chimneys.	608	35'
90272	A lone 25' spruce and most E of a group of spruce and immediately E of a line of alders.	608	2'
90273	A lone 10' spruce most W of a group of spruce and about 4 m E of MHWL.	608	3'
90274	A lone 20' spruce about 2 m E of MHWL and W of a line of alders.	608	1'
✓ 90275	A 20' spruce tree and most N of a group of spruce.	608	2'
90276	A lone 25' spruce, the most W of three spruce of the same ht. and about 10 m E of MHWL.	608	4'
90277	A lone 25' flat topped white pine and most n'ly white pine about 5 m S of MHWL.	608	4'
90278	A lone 10' spreading spruce on a pt about 10 m W of MHWL.	608	4'
90280	A large 50' prominent white pine made up of four large branches - largest tree in vicinity.	608	5'
90281	A lone 25' pointed spruce on N side of a small inlet.	608	3'
90282	A 10' spruce, most northerly spruce in S side of cove about 5 m S of MHWL.	608	3'
90283	A 20' spruce on a pt and most W of tree on pt.	608	3'

Signal No.	Description	Photo. No.	Height above MHW
90284	A prominent white boulder on an offshore ledge.	608	2'
90285	A 25' white pine about 20m W of a ledge pt.	608	4'
90287	A lone 25' white pine with a dead top and blazed on the E side and on a pt.	608	6'
90288	A 25' white pine and most southerly tree on a pt.	608	8'
90289	A 15' spruce 30 m E of a pt and most southerly of a group of spruce.	607	3'
90290	A slump of brush on a small islet - only clump on islet.	607	3'
90291	A 15' spruce on a pt., on edge of an earth bank.	607	8'
90292	A lone 15' spruce about 20 m NE of a 20' spruce.	607	3'



# GEOGRAPHIC NAMES

for  
T-8790

- Ayers Junction } one village ✓
- Ayers P.O. ✓
- Bear Cove ✓
- Bellier Cove\* ✓
- Big Hill ✓
- Boyden Lake ✓
- Burnt Island ✓
- Clark Point ✓
- Cathance Stream ✓
- Clarkdale School (on manuscript) where is building ✓
- Charlotte (district) ✓
- Cobscook Falls (Pending with USN&N) ✓
- Crow Brook ✓
- Crossroad School where is building ✓
- Coggins Head? ✓
- Dennys River Bay\* ✓
- Dennysville (village and district) ✓
- Dennysville Station ✓
- Dram Island ✓
- Duck Harbor ✓
- Eastman Hill ✓
- Edmunds (district) ✓ village (not 9)
- Hallowell Island\* ✓
- Harbor Pt. ✓
- Hardy Pt. ✓
- Hardscrable River\* ✓ 2B's
- Hersey Cove ✓
- Hersey Neck ✓
- Hersey Point ✓
- Hinckley Point ✓
- Hurley Point ✓
- Hobart Stream ✓
- Ironworks Mt. ✓
- King David Hill ✓
- Leighton Ledges (hills) ✓
- Leighton Neck ✓
- Long Cove ✓
- Lower Dennysville ✓
- Little Dram Island\* ✓
- Herseys upper Ledge ✓

- Mahar Pt. (Pending with U.S.B. G.N.) ✓
- Maine Central R.R. ✓
- Meadow Brook (20 ft) ✓
- Meadow Mt. ✓
- Middle Ground ✓
- Moose Horn National Wildlife Refuge ✓
- Mt. Dorcas Dorcas ✓
- Mt. Tom ✓
- Oak Hill ✓
- Ox Cove ✓
- Ohio Brook ✓
- Page Hill ✓
- Pembroke (village and district) ✓
- Pennamaquan Lake\* ✓
- Pennamaquan River (Pending with U.S.B. & N) ✓
- Perry (district) ✓
- Porcupine Mt. - Im. on Ad. ✓
- Sal Seal Island\* ✓
- Smalls Island ✓
- Sipp Brook ✓
- Smelt Brook ✓
- Taylor Brook ✓
- Two Hour Rock ✓
- Trescott (township) ✓
- West Pembroke ✓
- Wilson Stream\* ✓
- Wilbur Stream ✓
- Wilbur Neck ✓
- Willow Brook (near west Pembroke) ✓
- U.S. No. 1 ✓
- State No. 214 (NW. from west Pembroke) ✓
- Youngs Cove ✓

- Reynolds Point ✓
- Crow Neck ✓
- Birch Island ✓
- Raft Cove ✓
- Chandler Brook ✓

Names preceded by • are  
approved. 6-9-49.  
L. Heck

# HISTORY OF HYDROGRAPHIC INFORMATION

T-8790

## Pembroke, Maine Quadrangle

Hydrography was applied to the manuscript of this quadrangle in accordance with Division of Photogrammetry request of 11 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-1838 (1888)	1:10,000
H-1839 (1888)	1:10,000
H-1840 (1888)	1:10,000

### USC&GS Nautical Chart:

801 (1949)	1:40,000
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Bottom contours are shown at 0 (dotted line), 6, 12, 18, 30, and 60 feet.

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

*R. E. Elkins*  
R. E. Elkins, 11 Sept. 1950  
Nautical Chart Branch



Review Report T-8790  
Topographic Map  
October 1, 1950

26. Control

Triangulation station, Mitchell, 1887, described as lost by the field inspector, was deleted from the map manuscript.

No recovery card is available for triangulation station, Dennysville Spire, 1887. The position plots on the radially plotted position of the church spire of Dennysville. The spire has been shown on the map manuscript as a triangulation station.

Triangulation station, Taylor, 1887, not recovered by the field inspector, has been added to the map manuscript.

Nine USC&GS, four USGS and one MIT bench marks were recovered and are shown on the map manuscript. Seven additional bench marks were recovered W. of this Quadrangle beyond the project limits.

31. Mean Low Water Line

The photographs covering the water areas on this quadrangle were taken at high water making delineation of the foreshore from the photographs impossible. The location of the approximate MLW line and offshore rocks, shown in purple ink on the map manuscript, was taken directly from the Hydrographic Surveys. The field editor indicated the nature of the foreshore and the symbolization is in accordance with his notes.

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

44. Comparison with Existing Surveys

- a. USGS Eastport Quad 1:62,500 1945
- b. 

T-1805	1:10,000	1887
T-1838	1:10,000	1888
T-1859	1:10,000	1888
T-1932	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

The shoreline in Ox Cove is not shown correctly on the chart.

Mt. Dorcas is shown sixty feet too high on the chart.

#### 47. Accuracy of the Compilation

This map, T-8790, 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.

#### 48. Accuracy Tests

Two standard vertical accuracy tests along the western limits of this quadrangle proved the contours in that area to be within the required accuracy.

See Review Report Par. 48 for T-8792, relative to dashed contours in Models 46C 383-387.

This map complies with the National Standard of Map Accuracy.

#### 49. Overlays

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

Reviewed by:

Charles Theurer  
C. Theurer

Approved by:

L. V. Griffith  
Chief, Review Section  
Division of Photogrammetry

H. E. Munster  
Chief, Nautical Chart Branch  
Div. of Charts

O. S. Reading  
Chief, Division of Photogrammetry

W. M. Seale  
Chief, Division of Coastal  
Surveys W. H.

K  
[Signature]

# GEOGRAPHIC NAMES

Survey No. **T-8790 (Air Photo)**

Name on Survey	On Chart No.		On previous survey No.		On U. S. quadrangle Maps		From local information		On local Maps		P. O. Guide or Map		Rand McNally Atlas		U. S. Light List	
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