

8021

Diag. Cht. No. 1203

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photogrammetric Shoreline

Field No. \_\_\_\_\_ Office No. T-8021

LOCALITY

State Maine

General locality Penobscot Bay

Locality Long Island, Vicinity of Islesboro

194 1-'46

CHIEF OF PARTY

R.A.Gilmore, Chief of Party

T.B.Reed, Balto. Photo Office

LIBRARY & ARCHIVES

DATE February 17, 1950

B-1870-1 (1)

12000

# DATA RECORD

T - 8021

Project No. (II): CS-272-D      Quadrangle Name (IV):

Field Office (II): Calais, Maine

Chief of Party: Ross A. Gilmore

Photogrammetric Office (III): Baltimore, Maryland

Officer-in-Charge: Thos. B. Reed

Instructions dated (II) (III): April 1, 1942 (Additional)  
 July 10, 1943 (Horizontal Control Requirements)  
 Mar. 18, April 11 & July 17, 1944 (Supplemental)  
 Aug. 10, 1944 (Additional) Aug. 26, 1944  
 (Amendment to Additional Instructions)  
 Sept. 18, 1946 (Additional)

Copy filed in Division of  
 Photogrammetry (IV)  
*Office Files*

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:9740

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.02669

Date received in Washington Office (IV): 8-19-49      Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

*February 7, 1950*

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

~~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): PENDLETON, 1934

Lat.: 44° 18' 04.381" (135.2m)      Long.: 68° 53' 25.069 (555.7m)

Adjusted  
~~Unadjusted~~

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.



# DATA RECORD

Field Inspection by (II): Chas. H. Bishop  
Robt. R. Kim

Date: Oct. 1946  
Oct. 1946

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

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

(Oct. 21, & 22, 1941. Located by field identification.)

Projection and Grids ruled by (IV): T.L.J.

Date: 11/6/47

Projection and Grids checked by (IV): H.D.W.

Date: 11/10/47

Control plotted by (III): M. F. Kirk

Date: July 1948

Control checked by (III): F. J. Tarozza

Date: July 1948

Radial Plot ~~on Stereoscopic~~

Date: 12/13/48

~~Control checked by (III): F. J. Tarozza~~

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): J. D. McEvoy

Date: 4/25/49 to  
7/15/49

Photogrammetric Office Review by (III): J. W. Vonasek

Date: 7/26/49 to  
8/3/49

Elevations on Manuscript  
checked by (II) (III):

Date:



Camera (kind or source) (III): U.S.C. & G. S. nine-lens camera,  $8\frac{1}{4}$ " focal length

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
07199	10/21/41	10:02	1:9740	0.6
07234	10/21/41	10:17	1:9740	1.2
07256	10/21/41	11:12	1:9740	1.8
07327	10/22/41	11:02	1:9740	2.3
07328	10/22/41	11:02	1:9740	2.3
07329	10/22/41	11:02	1:9740	2.3

Tide (III)

Reference Station: Portland  
Subordinate Station: Camden  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
1.0	8.9	10.2
1.1	9.6	10.9

Washington Office Review by (IV):

Date: Oct 20, 1949

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 10

Shoreline (More than 200 meters to opposite shore) (III): 30

Shoreline (Less than 200 meters to opposite shore) (III): 3.5

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 8

Recovered: 6

Identified: 6

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): 16

Number of Temporary Photo Hydro Stations established (III): 146

Remarks:

## RADIAL PLOT REPORT

PROJECT CS - 272-D

SURVEYS T-8021 & T-8034

### GENERAL DESCRIPTION

This radial plot includes the areas of Surveys T-8021 and T-8034, two of a series of shoreline surveys in Project CS-272-D, located along Penobscot Bay on the Coast of Maine.

### PHOTOGRAPHS

The photographs used in this radial plot are nine-lens photographs, scale approximately 1:10,000, taken with the U.S.C. & G.S. nine-lens camera, focal length  $8\frac{1}{4}$  inches. Nineteen (19) unmounted photographs were used in this radial plot. They are as follows:

06883 to 06886 inclusive  
06905 to 06908 inclusive  
06969 and 06970  
07255 to 07257 inclusive  
07269  
07274  
07327 to 07330 inclusive

Some of the photographs used in this radial plot have been used previously in radial plots for surveys on the south and east sides which were completed in 1944. The symbols for control and pass points on these photographs are symbols in use at that time and not generally in accordance with Instructions No. 12, dated 17 March 1947. Symbols used on new prints and those added to the old photographs for use in this plot are in accordance with Instructions No. 12.

### CONTROL

Twenty (20) horizontal control stations were identified by the field inspection party and used in this radial plot. Five of these were identified by use of substitute points, the remainder being pricked direct.

A sketch showing distribution of control and photographs in the area of this radial plot is attached to this report..

### PROJECTIONS

The map manuscripts furnished the compilation office for the areas of these surveys were ruled with polyconic projections and Maine east state grid on acetate, at a scale of 1:9740. Vinylite base sheets, with polyconic projections only, were also furnished but were not used for the radial plot.

### PROJECTIONS (Continued)

All control, including substitute points, was plotted and checked on the map manuscripts using beam compass and meter bar.

### TEMPLATES

Vinylite templates were made of photographs for this radial plot.

### RADIAL PLOT

Because of scale difference due to sheet distortion in the map manuscript and base sheets, the radial plot of these surveys could not be combined with Surveys T-8020 and T-8035 to the north. There was also considerable difference between the acetate manuscripts and vinylite base sheets for these surveys. Since these surveys fall in Penobscot Bay and consist of small widely scattered islands with sufficient control it was decided to lay the radial plot with the photographs directly under the map manuscripts. The vinylite templates were not used.

Pass points and photograph centers along the junctions with Surveys T-8020 and T-8035 on the north side, whose radial plot was recently completed, were transferred to the map manuscripts by matching common projection lines and adjusting for the small scale difference. Surveys T-8022 and T-8033 to the south had been previously completed at a scale of 1:9700 and Surveys T-8049 and T-8050 on the east side were completed at a scale of 1:10,000. Ozalid copies of these four surveys were available but it was found impossible to transfer the pass points, and photograph centers near the junctions directly because of paper distortion. The scales in north-south and east-west directions on the ozalid copies were different. Points to be transferred were scaled from the projection lines and replotted on the map manuscripts for this radial plot using the scale factors necessary. The radial plot was completed on each manuscript individually by orienting photographs under transferred centers first and extending the plot, drawing radial lines directly on the manuscript. No difficulty was encountered holding control and transferred points except in one small area along the junction between T-8021 and T-8022. It was not possible to hold the previously established radially plotted position for SEVEN HUNDRED ACRE ISLAND, HOUSE, WEST CABLE, 1911 (see paragraph under REMARKS).

In the small land area on the west side of Penobscot Bay, in the northwest corner of Survey T-8021, it was not practicable to complete the radial plot on this manuscript because most control and photograph centers falls on adjoining surveys. Photographs whose centers fall on the islands in the center of the sheet do not reach this area. All pass points and photograph centers in this small area were established in the radial plot of Survey T-8020 and verified by the radial plot of Survey T-8012. Points were transferred from the manuscripts by matching common projection lines.

REMARKS

Three of the horizontal control stations identified by the field inspection party and used in this radial plot could not be held.

1. CAPE ROSIER, BARN, RED CUPOLA, 1911. The new position was plotted when the radial plot was made for Survey T-8035 and was explained in the report of that radial plot.

2. HOUSE WITH WHITE ROOF, NORTH GABLE, 1911. The radially plotted position was established by a previous plot for Survey T-8022 and verified by this radial plot. The field inspection party did not give positive identification and it is assumed that this station is lost as noted in radial plot report for Survey T-8022.


3. SEVEN HUNDRED ACRE ISLAND, HOUSE, WEST GABLE, 1911. A radially-plotted position, established for Survey T-8022, was transferred to manuscript T-8021 but that position could not be held in this radial plot. A new position was established about 0.7 mm southwest of the former radially plotted position and 3.9 mm (38 meters ground distance) southeast of the geographic position. It was noted that the geographic position fell near the west gable of another building. The field inspection party revisited the area in 1944 (original pricking 1943) and reported the other building as a barn or shed and doubtful that it was ever used as a house. When the previous radial plot was completed in 1944, control to the north on Survey T-8031 was not available. In order to obtain a satisfactory radial plot on Survey T-8021, holding additional control stations, the radially-plotted position of SEVEN HUNDRED ACRE ISLAND, HOUSE, WEST GABLE, was moved 0.7 mm southwest of the position established by the previous radial plot for Survey T-8022. Since there is no other control station in the area and control to the north was unavailable, the radial plot for Survey T-8022 was probably weak. Pass points and photograph centers on the islands to the east along the junction of Surveys T-8021 and T-8022 were verified by this radial plot and would not be affected by the change of position. Only the southern tip of Seven Hundred Acre Island falls on Survey T-8022 and this area is affected by the change in the radially plotted position. This small area will be completed on map manuscript T-8021 and the new position of shoreline and other detail corrected on manuscript T-8022.

GRINDEL POINT LIGHTHOUSE, 1861. The radially-plotted position falls 1.0 mm southwest of the geographic position. The lighthouse was identified by the field inspection party as a recoverable topographic station, not a control station. This lighthouse has probably been moved since 1861, but no recovery record is available.


PENDLETON, 1934, and SOUTH ISLESBORO OBSERVATORY, 1911, appear to have almost identical positions. The field inspection party reported a tower directly over the station PENDLETON, 1934, and pricked this tower as the station. They did not report recovery of the tower as the other station. Since the positions are only about a meter apart, it is possible that the observatory used in 1911 still stands.

The number and distribution of photographs and control stations were adequate for a satisfactory radial plot. In view of the difficulty along the junction at Seven Hundred Acre Island, another station on that island would have been desirable.

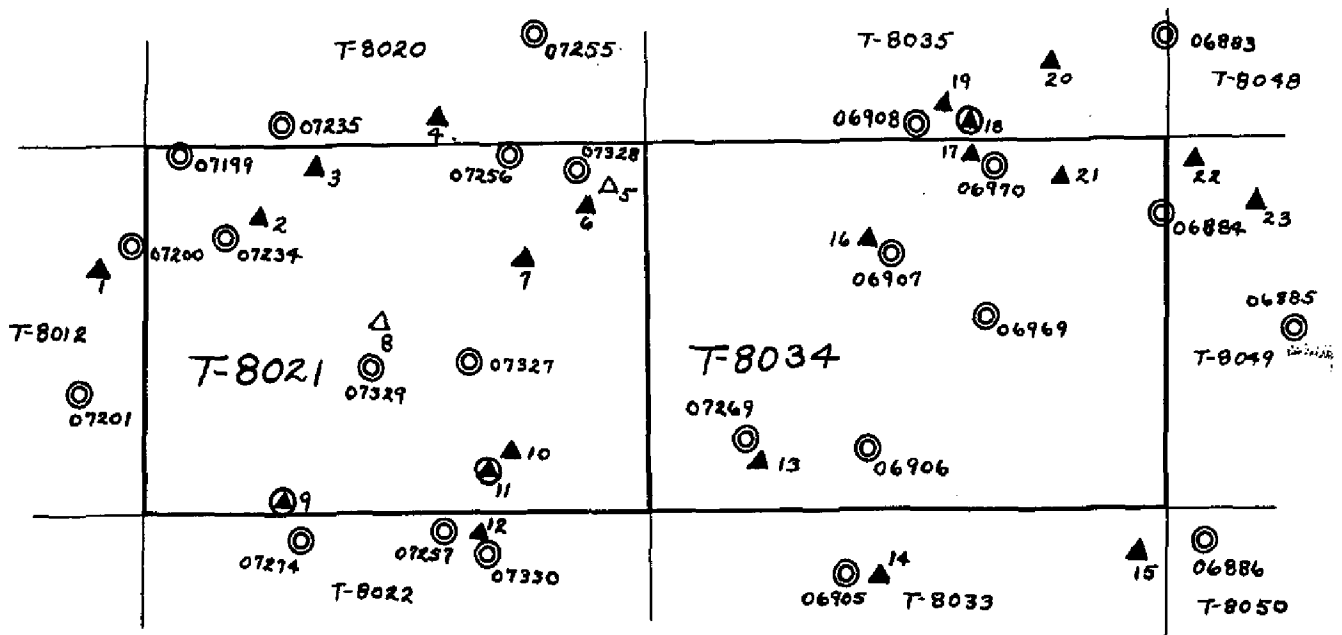
Respectfully submitted

  
Frank J. Tarcza  
Cartographic Engineer

Approved and forwarded  
17 January 1949

  
Thos. B. Reed  
Officer in Charge  
Baltimore Photogrammetric Office

SURVEYS T-8021 and T-8034



- OFFICE PHOTOGRAPHS      Δ TRIANGULATION STATIONS (NOT IDENTIFIED)  
○ FIELD PHOTOGRAPHS      ▲ TRIANGULATION STATIONS (HELD IN RADIAL PLOT)  
④ TRIANGULATION STATIONS (NOT HELD)

## INDEX TO TRIANGULATION STATIONS

1. DUCK TRAP CH. SP., 1861
2. ROUND (PAVILION NEAR SPRUCE HEAD), 1911
3. SPRUCE HEAD HOUSE FLAGPOLE, 1911
4. FLAT ISLAND, 1911
5. GREEN DIAMOND-SHAPED GABLE, 1911
6. PENDLETON, 1934  
(SOUTH ISLESBORO OBSERVATORY, 1911)
7. ISLESBORO, SOUTH CH. SP., 1862
8. GRINDEL POINT LIGHTHOUSE, 1861
9. SEVEN HUNDRED ACRE ISLAND,  
HOUSE, WEST GABLE, 1911
10. DARK HARBOR HOTEL, CHY. S. END, 1934
11. HOUSE WITH WHITE ROOF, N. GABLE, 1911
12. KEY, 1934 [Sub. Pt.]
13. MARK ISLAND [Sub. Pt.]
14. SPRUCE HEAD 2, 1911
15. BRADBURY ISLAND, 1934 [Sub. Pt.]
16. WESTERN ISLAND, 1911 [Sub. Pt.]
17. BLAKE POINT, 1862 [Sub. Pt.]
18. CAPE ROSIER, BARN, RED CUPOLA, 1911
19. REDMANS HILL, 1862
20. WIRE COVE MT., 1872
21. SPECTACLE ISLAND, 1872
22. PUMPKIN ISLAND LIGHTHOUSE, 1862
23. LITTLE DEER ISLE,  
BLACK HOUSE, 3. CHIMNEY, 1862

*L. J. J.*





COMPILATION REPORT T-8021

Survey No. 8021 is one of twenty-seven (27) shoreline surveys in project No. CS-272 D, Coast of Maine.

FIELD INSPECTION REPORT

The field inspection was completed in October 1946. Refer to Season's Report, 1946, Project No. CS-272-D, submitted by Ross A. Gilmore.

PHOTOGRAMMETRIC PLOT REPORT

*Filed in Div. Photogrammetry General Files  
Project Report CS-272 A to E.*

Refer to radial plot report for surveys Nos. T-8021 and No. T-8034 which was submitted to the Washington office 17 January 1949 and included in this descriptive report.

31. DELINEATION

The manuscript was delineated by graphic methods only.

The position established for station SEVEN HUNDRED ACRE ISLAND, HOUSE, W. GABLE, 1911, by the radial for survey No. T-8022, was used to delineate the southern tip of SEVEN HUNDRED ACRE ISLAND on Map Manuscript T-8022.

In running the radial plot for surveys Nos. T-8021 and T-8034 it was found necessary to move the position originally established in order to obtain a satisfactory plot. (see radial plot report for surveys Nos. T-8021 and T-8034).

Map manuscript T-8021 has been compiled and includes the revised delineation of the southern tip of SEVEN HUNDRED ACRE ISLAND.

32. CONTROL

The identification, density and placement of the horizontal control was adequate for satisfactory delineation of this survey. Also see Radial Plot Report.

33. SUPPLEMENTAL DATA

Geographic Names were taken from Charts Nos. 310 and 1203, and from U. S. Geological Survey, Castine Quadrangle. *See attached list of approved geographic names.*

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection is considered generally adequate. Only those portions of the low water line, identified by the field party on the field photographs, were delineated.



36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

One nonfloating aid, Grindel Point Light has been recommended for charting. This light has been moved to a new location from its previous position. One previously charted landmark has been shown on this survey. See Forms No. 567, submitted with this report. *Filed: Nautical Chart Branch*

38. CONTROL FOR FUTURE SURVEYS

There <sup>are</sup> fifteen (15) recoverable topographic stations delineated on this manuscript. Form No. 524 *are* submitted with this report. *Filed in Div. of Photogrammetry General Files*

Two stations Nos. 4311 and 4314 delineated on manuscript No. T-8022, have been replotted on survey No. T-8021. Their positions are being submitted on Form 524 with this report and should supersede previous positions furnished.

39. JUNCTIONS

Junction to the north with Survey No. T-8020 and to the west with Survey No. T-8012 have been made and are in good agreement. Junction to the east with Survey No. T-8034 is a water area. To the south junction with Survey No. T-8022 was made with the exception of SEVEN HUNDRED ACRE ISLAND which was delineated on manuscript No. T-8021 to supersede delineation on survey No. T-8022. (See side heading 31).

40. HORIZONTAL AND VERTICAL ACCURACY

No comment

41. through 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

This manuscript was compared with the U. S. Geological Survey, Castine Quadrangle, scale 1:62,500, edition of 1943.

The manuscript was in good agreement with the above quadrangle except that the quadrangle showed large swamp areas on SEVEN HUNDRED ACRE ISLAND which do not seem to exist at the time the photographs were taken.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart No. 310, scale 1:40,000, edition of 1937, corrected to 19 July 1948 and Chart No. 1203, scale 1:80,000 edition of 1936 corrected to 15 Dec. 1947.


Items to be applied to Nautical Charts immediately.

None


Items to be carried forward

None

Respectfully submitted  
11 July 1949

  
Joseph D. McEvoy,  
Cartographic Draftsman

Approved and forwarded  
August 1949

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



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PHOTOGRAMMETRIC HYDROGRAPHIC STATIONS

Project No. CS-272-D, Survey No. T-8021

Stat. No.	Photo. No.	Description
2101	7330	15 ft. lone spruce at N. end of short gravel beach.
2102	7330	SE corner of old pier.
2103	7330	Vertex of "V" in vertical ledge on point. There is a vein of flint in the "V".
2104	7330	White chimney on N end of high section of two story dwelling.
2105	7330	NE corner of W end of old dam.
2106	7330	E gable of one story white house with stone chimney on W end.
2107	7330	E end of metal pipe culvert.
2108	7330	S tip of prominent ledge at MHWL.
2109	7330	NE corner of pier.
<del>2110</del>	<del>7327</del>	<del>GABLE, 1946. Photo topo stations Form 514</del>
2111	7327	S end of low brush patch on top of offshore ledge.
2112	7327	N end ledge at MHWL. Ledge is on the S Side of a large crack between two prominent ledges on point.
<del>2113</del>	<del>7327</del>	<del>JACK, 1946. Photo topo stations Form 514</del>
2114	7328	NE corner of pier.
2115	7328	Top of 8 ft. gray boulder at grass line. Only boulder in the vicinity.
2116	7328	50 ft white flag pole on prominent point with weather vane on top. Base picked on photo.
2117	7328	NW corner of pier with flag pole on NW corner.
2118	7328	12 ft. forked spruce tree on prominent point blazed on E side.
2119	7328	N gable of white boat house with green door & green trim.

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Stat. No.	Photo. No.	Description
2120	7328	8 ft. bushy spruce tree at N end of sandy beach.
2121	7328	NE tip of grass on top of vertical ledge.
2122	7328	8 ft. lone bushy spruce on prominent point.
2123	7328	Stem of wrecked boat with bow split on bottom. The bow is pointed toward shore.
2124	7328	NE gable of gray barn that is part of $1\frac{1}{2}$ story white house.
<del>2125</del>	<del>7328</del>	<del>GABLE, 1946. Photo-Topo station</del>
2126	7328	E tip of brush on point between sand beach and rocky bench.
2127	7328	Top of jagged offshore ledge with grass on top.
2128	7256	SW tip of prominent gray ledge at MHW.
2129	7256	8 ft. bushy spruce on rounding point.
2130	7256	Cupola on large white barn with unpainted shingle roof.
2131	7256	Highest part of N'ly of two projecting ledges on rounding point.
2132	7256	25 ft. bushy spruce with blaze on side next to shore.
2133	7256	W tip of grass on prominent ledge just N of Point.
2134	7256	SW corner of remains of pier.
<del>2135</del>	<del>7256</del>	<del>CHIMNEY, 1946.</del>
2136	7256	Most N'ly 12 ft spruce tree at S end of long gravel beach.
2137	7256	Lone 15 ft spruce tree with blaze on shore side.
2138	7256	W tip of grass SW'ly of two prominent light brown ledges.
2139	7256	10 ft. lone spruce tree on narrow neck between two gravel beaches.
2140	7256	NE corner of remains of pier. No trespassing sign on end.
2141	7256	Highest part of offshore ledge.



Stat. No.	Photo. No.	Description
2142	7256	NW tip of brush patch on rounding point.
2143	7256	W tip of grass on point.
<del>2144</del>	<del>7329</del>	<del>TOWER, 1946.</del> <i>Form 524</i>
2145	7329	Base of uprooted spruce tree on rounding point. Tree is on SE tip of grass.
2146	7329	2 ft. white boulder at MEWL on sand beach.
2147	7329	SE corner of white pier on granite cribbing.
2148	7329	Center of pile of loose rocks on ledge on point.
2149	7329	E'ly of two loose irregular shaped white granite boulders at MEWL.
2150	7329	E gable two story white house with black trim and two brick chimneys on S side of house.
2151	7329	S gable of $1\frac{1}{2}$ story white house with brick chimney in center and porch on S side. Hatch's garage is SW of the house.
2152	7329	6 ft. white boulder on rounding point.
2153	7329	E end of brush patch on rounding point.
2154	7329	2 ft. lone brown boulder in grass.
2155	7329	SW corner of concrete bridge.
2156	7329	W tip of ledge on rounding point at MEWL.
2157	7329	SW corner of pier.
<del>2158</del>	<del>7329</del>	<del>CHIMNEY, 1946.</del> <i>Form 524</i>
2159	7329	20 ft. spruce tree on point. Blaze on shore side.
2160	7329	Highest part of round white boulder on offshore ledge.
2161	7329	SW tip of brush on vertical ledge 8 m. W of 35 ft. spruce tree.
2162	7329	50 ft. spruce tree on bank. Blaze on shore side.
2163	7329	W tip of brush on E side of small bare patch on point.
2164	7329	Bow of wreck.



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Stat. No.	Photo. No.	Description
2165	7329	W gable of green boat house.
2166	7329	NW corner of pier.
2167	7329	S'ly of four tall chimneys on two story green house. with yellow trim and shingled roof.
2168	7329	30 ft. spruce tree which is nearest to S tip of grass on rounding point.
2169	7329	20 ft. unpainted flagpole on second crib from offshore end of crib.
<del>2170</del>	<del>7329</del>	<del>CHIMNEY, 1946. Form 5r4</del>
2171	7329	SE corner of long pier on S side of small cove.
2172	7329	W gable of S dormer on large 2 story white house with green shutters. There are six brick chimneys on the house.
<del>2173</del>	<del>7329</del>	<del>SW corner of wooden pier with blue railing. Description varies from photograph detail. - L.M.G.</del>
2174	7329	White chimney near the S end of white house with shingled roof. Porch on W side has green roof.
2175	7329	SE corner of green pier on point.
2176	7329	W stone chimney, white stucco house on point.
2177	7329	Tip of grass on inshore end of gray ledge with stripes in it on SW end of island.
2178	7329	NE tip of grass on island.
2179	7329	SW corner of pier on point.
2180	7329	White chimney near E end of large two-story house that has small dormers on S side.
2181	7329	7 ft. bushy spruce tree at grassline on top of ledge, just E of stone steps.
2182	7329	15 ft. white flagpole on SW corner of green pier.
2183	7329	Center of grass patch on offshore ledge.
2184	7329	W gable of unpainted boathouse with green door in W. end.



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Stat. No.	Photo. No.	Description
<del>2185</del>	<del>7257</del>	<del>FLAGPOLE, 1946.</del> Form 5r4
2186	7257	SW corner of long wooden pier.
2187	7257	4 ft. granite boulder with BM on S face.
2188	7257	SW gable of brown building with Gulf sign on end.
2189	7257	E end of grounded barge on S side of cove.
2190	7329	Highest part of offshore ledge.
2191	7257	NE'ly of two dolphins W of pier.
2192	7257	30 ft. white flagpole at N end of porch on W side of house.
2193	7257	NW corner of granite cribbing that is farthest offshore.
2194	7257	NE tip of grass on point.
2195	7330	Highest part of offshore ledge.
<del>2196</del>	<del>7274</del>	<del>GABLE, 1946</del> Form 5r4
2197	7274	SW tip of brush on point.
2198	7274	3 ft. round brown boulder at MHWL on gravel and boulder beach. There are 3 boulders close together S of the one picked.
2199	7274	E gable of unpainted building in ruins. There is a small building just S of the one picked.
21100	7274	2 ft. white boulder at NW end of gravel beach. Boulder is at MHWL. <i>Boulder is at MHWL</i>
21101	7274	15 ft. lone spruce growing at grass line. There is a 4 ft gray boulder on the E side of the tree.
21102	7274	N tip of ledge on point at MHWL.
21103	7274	Lone 3 ft. boulder on W side of cove.
21104	7274	6 ft. rose bush at grassline on sand beach.
21105	7274	3 ft. irregular shaped brown boulder offshore.
21106	7274	W tip of earth and grass on prominent ledge.



Stat. No.	Photo. No.	Description
21107	7274	NW tip of grass on ledge with vertical face.
21108	7274	SW tip of brush on point.
21109	7274	NW tip of grass at inshore end of prominent ledge.
<del>21110</del>	<del>7329</del>	<del>EVEN, 1946.</del> <i>Form 5x4</i>
21111	7329	SE corner of ruins of pier.
21112	7329	2 ft. round boulder on point at MHWL.
21113	7329	SE tip of brush on grassy point.
21114	7329	E tip of brush on rounding point of head of cove.
21115	7329	25 ft. birch tree that leans out from tree line over grass. Tree is forked halfway up.
21116	7274	Large flat brown boulder on point. This is the largest boulder on the point. Boulder is 5 m. offshore from MHWL.
21117	7274	SE tip of brush on N. side of clearing.
21118	7274	NE tip of alder bush patch on S side of small clearing.
21119	7274	5 ft. brown offshore boulder.
<del>21120</del>	<del>7274</del>	<del>NW corner of pier.</del> <i>Description varies with photograph detail. - L.M.G.</i>
<del>21121</del>	<del>7274</del>	<del>GABLE, 1946.</del> <i>Form 5x4</i>
21122	7274	NE corner of pier with white piling on end.
21123	7274	Lone 30 ft. spruce tree SE of small brick house in ruins.
21124	7274	Flat granite boulder at MHWL between two prominent ledges.
21125	7274	NE tip of ledge at MHWL.
21126	7329	8 ft. bushy lone spruce tree on W side of clump of spruce on E side of island.
21127	7329	SW tip of grass on rounding point.



Stat. No.	Photo. No.	Description
21128	7329	White 2 ft. boulder on point.
21129	7329	Irregular shaped 3 ft. gray boulder on S tip of island. There is another boulder W of the one picked.
21130	7329	Bush at duck blind at W end of sand beach.
21131	7329	4 ft. gray boulder on rounding point. Largest boulder in area. Boulder is offshore.
21132	7329	3 ft. light colored granite boulder at grassline.
21133	7329	3 ft. round white boulder 1 m. from grass line on NW side.
21134	7329	Large white granite boulder at grass line.
21135	7329	White granite offshore boulder. There is a bare dirt bank W of the boulder.
21136	7329	W tip of grass on sharp point.
21137	7329	15 ft. spruce tree at edge bank on SW tip of rounding point. There is a dead stub in almost horizontal position at base of one picked.
21138	7329	30 ft. spruce tree which is the most N'ly tree on point.
21139	7329	NE tip of brush on point.
21140	7329	8 ft. offshore granite boulder.
21141	7329	N tip of brush on rounding point.
<del>21142</del>	<del>7329</del>	<del>HEAD, 1946.</del> Form 5v4
21143	7329	SE tip of brush at S end of bare bank.
21144	7235	S gable of prominent $2\frac{1}{2}$ story white house with green shutters and several chimneys. On point about $1\frac{1}{4}$ miles NE of Spruce Head. Most prominent house in area.
21145	7234	S gable of unpainted barn.
<del>21146</del>	<del>7234</del>	<del>CHIMNEY, 1946.</del> Form 5v4
21147	7234	SW gable of white house with green trim.
21148	7234	E gable of small shingled boat shed with window to water.
2098	7256	20 ft. forked cedar tree at head of cove. There is a 25' cedar tree S. of the one picked. Blaze on shore side.
2099	7256	W tip of prominent ledge which has a vertical drop on N. and W side.



Stat. No.	Photo. No.	Description
20101	7256	NW end of narrow ledge that projects into water.
20102	7256	20 ft. lone spruce tree at head of cove at W end of short sand beach.
<del>20103</del>	<del>7256</del>	<del>OUTPOST, 1946.</del> Form 524
20114	7235	E gable white boat shed with green trim and sliding doors.

732'

PHOTOGRAMMETRIC HYDROGRAPHIC STATIONS

Project No. CS-272-D, Survey No. T-8021

Stat. No.	Photo. No.	Description
2101	7330	15 ft. lone spruce at N. end of short gravel beach.
2102	7330	SE corner of old pier.
2103	7330	Vertex of "v" in vertical ledge on point. There is a vein of flint in the "v".
2104	7330	White chimney on N end of high section of two story dwelling.
2105	7330	NE corner of W end of old dam.
2106	7330	E gable of one story white house with stone chimney on W end.
2107	7330	E end of metal pipe culvert.
2108	7330	S tip of prominent ledge at MHWL.
2109	7330	NE corner of pier.
<del>2110</del>	<del>7327</del>	<del>GABLE, 1946. Photo-topo stations Form 514</del>
2111	7327	S end of low brush patch on top of offshore ledge.
2112	7327	N end ledge at MHWL. Ledge is on the S Side of a large crack between two prominent ledges on point.
<del>2113</del>	<del>7327</del>	<del>JACK, 1946. Photo-topo stations Form 514</del>
2114	7328	NE corner of pier.
2115	7328	Top of 8 ft. gray boulder at grass line. Only boulder in the vicinity.
2116	7328	50 ft white flag pole on prominent point with weather vane on top. Base picked on photo.
2117	7328	NW corner of pier with flag pole on NW corner.
2118	7328	12 ft. forked spruce tree on prominent point blazed on E side.
2119	7328	N gable of white boat house with green door & green trim.

8021

Stat. No.	Photo. No.	Description
2142	7256	NW tip of brush patch on rounding point.
2143	7256	W tip of grass on point.
<del>2144</del>	<del>7329</del>	<del>TOWER, 1946.</del> <i>Form 524</i>
2145	7329	Base of uprooted spruce tree on rounding point. Tree is on SE tip of grass.
2146	7329	2 ft. white boulder at MHWL on sand beach.
2147	7329	SE corner of white pier on granite cribbing.
2148	7329	Center of pile of loose rocks on ledge on point.
2149	7329	E'ly of two loose irregular shaped white-granite boulders at MHWL.
2150	7329	E gable two story white house with black trim and two brick chimneys on S side of house.
2151	7329	S gable of $1\frac{1}{2}$ story white house with brick chimney in center and porch on S side. Hatch's garage is SW of the house.
2152	7329	6 ft. white boulder on rounding point.
2153	7329	E end of brush patch on rounding point.
2154	7329	2 ft. lone brown boulder in grass.
2155	7329	SW corner of concrete bridge.
2156	7329	W tip of ledge on rounding point at MHWL.
2157	7329	SW corner of pier.
<del>2158</del>	<del>7329</del>	<del>CHIMNEY, 1946.</del> <i>Form 524</i>
2159	7329	20 ft. spruce tree on point. Blaze on shore side.
2160	7329	Highest part of round white boulder on offshore ledge.
2161	7329	SW tip of brush on vertical ledge 8 m. W of 35 ft. spruce tree.
2162	7329	50 ft. spruce tree on bank. Blaze on shore side.
2163	7329	W tip of brush on E side of small bare patch on point.
2164	7329	Bow of wreck.

Stat. No.	Photo. No.	Description
2165	7329	W gable of green boat house.
2166	7329	NW corner of pier.
2167	7329	S'ly of four tall chimneys on two story green house. with yellow trim and shingled roof.
2168	7329	30 ft. spruce tree which is nearest to S tip of grass on rounding point.
2169	7329	20 ft. unpainted flagpole on second crib from offshore end of crib.
<del>2170</del>	<del>7329</del>	<del>CHIMNEY, 1946. Form 5-4</del>
2171	7329	SE corner of long pier on S side of small cove.
2172	7329	W gable of S dormer on large 2 story white house with green shutters. There are six brick chimneys on the house.
<del>2173</del>	<del>7329</del>	<del>SW corner of wooden pier with blue railing. Description varies from photograph detail. - L.M.G.</del>
2174	7329	White chimney near the S end of white house with shingled roof. Porch on W side has green roof.
2175	7329	SE corner of green pier on point.
2176	7329	W stone chimney, white stucco house on point.
2177	7329	Tip of grass on inshore end of gray ledge with stripes in it on SW end of island.
2178	7329	NE tip of grass on island.
2179	7329	SW corner of pier on point.
2180	7329	White chimney near E end of large two-story house that has small dormers on S side.
2181	7329	7 ft. bushy spruce tree at grassline on top of ledge, just E of stone steps.
2182	7329	15 ft. white flagpole on SW corner of green pier.
2183	7329	Center of grass patch on offshore ledge.
2184	7329	W gable of unpainted boathouse with green door in W. end.

2021

Stat. No.	Photo. No.	Description
2185	7257	FLAGPOLE, 1946. <i>Form 514</i>
2186	7257	SW corner of long wooden pier.
2187	7257	4 ft. granite boulder with BM on S face.
2188	7257	SW gable of brown building with Gulf sign on end.
2189	7257	E end of grounded barge on S side of cove.
2190	7329	Highest part of offshore ledge.
2191	7257	NE'ly of two dolphins W of pier.
2192	7257	30 ft. white flagpole at N end of porch on W side of house.
2193	7257	NW corner of granite cribbing that is farthest offshore.
2194	7257	NE tip of grass on point.
2195	7330	Highest part of offshore ledge.
2196	7274	GABLE, 1946- <i>Form 514</i>
2197	7274	SW tip of brush on point.
2198	7274	3 ft. round brown boulder at MHWL on gravel and boulder beach. There are 3 boulders close together S of the one picked.
2199	7274	E gable of unpainted building in ruins. There is a small building just S of the one picked.
21100	7274	2 ft. white boulder at NW end of gravel beach. Boulder is at MHWL.
21101	7274	15 ft. lone spruce growing at grass line. There is a 4 ft gray boulder on the E side of the tree.
21102	7274	N tip of ledge on point at MHWL.
21103	7274	Lone 3 ft. boulder on W side of cove.
21104	7274	6 ft. rose bush at grassline on sand beach.
21105	7274	3 ft. irregular shaped brown boulder offshore.
21106	7274	W tip of earth and grass on prominent ledge.



Stat. No.	Photo. No.	Description
21107	7274	NW tip of grass on ledge with vertical face.
21108	7274	SW tip of brush on point.
21109	7274	NW tip of grass at inshore end of prominent ledge.
<del>21110</del>	<del>7329</del>	<del>EVEN, 1946.</del> <i>Form 5x4</i>
21111	7329	SE corner of ruins of pier.
21112	7329	2 ft. round boulder on point at MHWL.
21113	7329	SE tip of brush on grassy point.
21114	7329	E tip of brush on rounding point of head of cove.
21115	7329	25 ft. birch tree that leans out from tree line over grass. Tree is forked halfway up.
21116	7274	Large flat brown boulder on point. This is the largest boulder on the point. Boulder is 5 m. offshore from MHWL.
21117	7274	SE tip of brush on N. side of clearing.
21118	7274	NE tip of alder bush patch on S side of small clearing.
21119	7274	5 ft. brown offshore boulder.
<del>21120</del>	<del>7274</del>	<del>NW corner of pier.</del> <i>Description varies with photograph detail. - L.M.G.</i>
<del>21121</del>	<del>7274</del>	<del>GABLE, 1946.</del> <i>Form 5x4</i>
21122	7274	NE corner of pier with white piling on end.
21123	7274	Lone 30 ft. spruce tree SE of small brick house in ruins.
21124	7274	Flat granite boulder at MHWL between two prominent ledges.
21125	7274	NE tip of ledge at MHWL.
21126	7329	8 ft. bushy lone spruce tree on W side of clump of spruce on E side of island.
21127	7329	SW tip of grass on rounding point.

Stat. No.	Photo. No.	Description
21128	7329	White 2 ft. boulder on point.
21129	7329	Irregular shaped 3 ft. gray boulder on S tip of island. There is another boulder W of the one picked.
21130	7329	Bush at duck blind at W end of sand beach.
21131	7329	4 ft. gray boulder on rounding point. Largest boulder in area. Boulder is offshore.
21132	7329	3 ft. light colored granite boulder at grassline.
21133	7329	3 ft. round white boulder 1 m. from grass line on NW side.
21134	7329	Large white granite boulder at grass line.
21135	7329	White granite offshore boulder. There is a bare dirt bank W of the boulder.
21136	7329	W tip of grass on sharp point.
21137	7329	15 ft. spruce tree at edge bank on SW tip of rounding point. There is a dead stub in almost horizontal position at base of one picked.
21138	7329	30 ft. spruce tree which is the most N'ly tree on point.
21139	7329	NE tip of brush on point.
21140	7329	8 ft. offshore granite boulder.
21141	7329	N tip of brush on rounding point.
<del>21142</del>	<del>7329</del>	<del>HEAD, 1946. Form 5v4</del>
21143	7329	SE tip of brush at S end of bare bank.
21144	7235	S gable of prominent 2 $\frac{1}{2}$ story white house with green shutters and several chimneys. On point about 1 $\frac{1}{4}$ miles NE of Spruce Head. Most prominent house in area.
21145	7234	S gable of unpainted barn.
<del>21146</del>	<del>7234</del>	<del>CHILNEY, 1946. Form 5v4</del>
21147	7234	SW gable of white house with green trim.
21148	7234	E gable of small shingled boat shed with window to water.
2098	7256	20 ft. forked cedar tree at head of cove. There is a 25' cedar tree S. of the one picked. Blaze on shore side.
2099	7256	W tip of prominent ledge which has a vertical drop on N. and W side.



Stat. No.	Photo. No.	Description
20101	7256	NW end of narrow ledge that projects into water.
20102	7256	20 ft. lone spruce tree at head of cove at W end of short sand beach.
20103	<del>7256</del>	<del>CUPOLA, 1946.</del> <i>form 514</i>
20114	7235	E gable white boat shed with green trim and sliding doors.

50.

## PHOTOGRAMMETRIC OFFICE REVIEW

T- 8021

1. Projection and grids JW 2. Title JW 3. Manuscript numbers JW 4. Manuscript size JW

## CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy JW 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) JW 7. Photo hydro stations JW 8. Bench marks JW  
9. Plotting of sextant fixes JW 10. Photogrammetric plot report JW 11. Detail points JW

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline JW 13. Low-water line JW 14. Rocks, shoals, etc. JW 15. Bridges JW 16. Aids to navigation JW 17. Landmarks JW 18. Other alongshore physical features JW 19. Other along-shore cultural features JW

## PHYSICAL FEATURES

20. Water features JW 21. Natural ground cover JW 22. Planetable contours JW 23. Stereoscopic instrument contours JW 24. Contours in general JW 25. Spot elevations JW 26. Other physical features JW

## CULTURAL FEATURES

27. Roads JW 28. Buildings JW 29. Railroads JW 30. Other cultural features JW

## BOUNDARIES

31. Boundary lines JW 32. Public land lines JW

## MISCELLANEOUS

33. Geographic names JW 34. Junctions JW 35. Legibility of the manuscript JW 36. Discrepancy overlay JW 37. Descriptive Report JW 38. Field inspection photographs JW 39. Forms JW  
40. Joseph W. Vondacek Harry R. Randolph  
Reviewer Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

## FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

\_\_\_\_\_  
Compiler\_\_\_\_\_  
Supervisor

43. Remarks:

Photogrammetric Office Review, <sup>Form</sup> T-2  
REMARKS

8, 9, 17, 29 30: None of these features appear on the manuscript.

\_\_\_\_\_  
Reviewer



# 48. GEOGRAPHIC NAMES

- Ames Cove
- Broad Point
- Broad Cove
- Bonnet Cove
- Cradle Cove
- Crow Cove
- Derby Road
- Dark Harbor (village)
- Dark Harbor
- Duck Trap Harbor
- East Penobscot Bay
- Ferry Road
- Gilkey Harbor
- Gooseberry Point
- Grindel Point
- \* Haddock Ledge (submerged)
- \* Hewes Ledge
- Hewes Point (USBN decision: referred to Board for possible revision)
- Islesboro
- Islesboro Harbor
- Joes Rock
- \* Lobster Rock (submerged)
- Long Island
- Long Ledge
- Pendleton Cove (Pending with USBN)
- Philbrook Cove
- Seven Hundred Acre Island
- Sherman Point
- Spruce Head (Pending with USBN)
- Spruce Island
- Tarratine Yacht Club
- Disputed names
- Thrumcap Island - Chart 1203
- Thrumcap - Chart 310
- Thrumcap Monument - U.S. C. & G. S. Castine Quadrangle

- Warren Island
- West Penobscot Bay
- West Shore Road
- U.S. No. 1

\*Positions not shown on Field Photographs. Features not on manuscript.

Names preceded by .  
are approved 10-20-49  
L. Heck

Review Report  
Shoreline Survey T-8021  
October 20, 1949

43. Comparison with Contemporary Hydrographic Surveys.-

No contemporary survey

44. Comparison with Previous Topographic Surveys.-

T-1233	1:10,000	1871
1288	"	1872

This map supersedes the above surveys for nautical charting purposes.

46. Adequacy of Manuscript.-This compilation is complete and in compliance with Bureau standards and project instructions.

Reviewed by:

*L. Martin Gazik*  
\_\_\_\_\_  
L. Martin Gazik

APPROVED

*S. V. Griffith*  
\_\_\_\_\_  
Chief, Review Section  
Division of Photogrammetry

*H. R. Edmonston*  
\_\_\_\_\_  
Chief, Nautical Chart Branch  
Division of Charts

*O. S. Reading*      *M. J. G. G.*      *K. G. Crosby*  
\_\_\_\_\_  
Chief, Div. of Photogrammetry      Chief, Div. of Coastal Surveys

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-8021

### Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.