

8034

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-8034

LOCALITY

State Maine

General locality Penobscot Bay

Locality Cape Rosier to Beach Island

194 1-'46

CHIEF OF PARTY

F.L.Peacock, R.A.Gilmore, Chiefs of Party
T.B.Reed, Baltimore Photo.Office

LIBRARY & ARCHIVES

DATE February 7, 1950

B-1870-1 (1)

8034

DATA RECORD

T - 8034

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

Field Office (II): Calais, Maine

Chief of Party: Ross A Gilmore

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: Thos. B. Reed

Instructions dated (II) (III): April 1, 1942 (Additional)
July 10, 1943 (Horizontal Control Requirements)
March 18, April 11 & July 17, 1944 (Supplemental)
August 10, 1944 (Additional) August 26, 1944
(Amendment to Additional Instructions)
September 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): 4-27-49 Date reported to Nautical Chart Branch (IV): 4-29-49

Applied to Chart No.

Date:

Date registered (IV): Jan 24, 1950

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): ~~MSL~~ 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): WESTERN ISLAND, 1911

Lat. 44° 17' 33.019 (1019.2m) Long.: 68° 49' 24.773 (549.2m).

Adjusted
~~DATA~~

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): Boynton Locke, Jr.
Chas. H. Bishop

Date: Sept. 1945
Oct. 1946

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

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

Same as date of photographs (Oct. 19, 20, 21, 1941)

Located by field identification and stereoscopic examination

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

Date: 11-5-47

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.Tarcza

Date: July 1948

Radial Plot ~~XXXXXX~~

~~Control checked by (III)~~ Frank J. Tarcza

Date: 12-15-48

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): Ruth M. Whitson

Date: March 31, 1949 to
April 13, 1949

Photogrammetric Office Review by (III): R. Glaser

Date: April 21, 22, 1949

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
06884	10-19-41	1030 1042	1,9740	9.9 9.7 above MLW
06906 & 06907	10-19-41	1110 1126	1,9740	8.5 8.2 above MLW
06969 & 06970	10-20-41 10-19-41	1334 1315	1,9740	3.4 2.4 above MLW
07269	10-21-41	1135 1130	1,9740	11.5 11.8 above MLW

Tide (III)

Reference Station: Portland, Maine
Subordinate Station: Northwest Harbor, Deer Isle
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
1.0	8.9	10.2
1.1	10.1	11.5

Washington Office Review by (IV):

L. Martin Jazik

Date: Oct. 18, 1949

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

C. Kupiec

Date: 11-8-49

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 1.5

Shoreline (More than 200 meters to opposite shore) (III): 15.7

Shoreline (Less than 200 meters to opposite shore) (III): 1.1

Control Levelling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered: 4

Identified: 4

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): 6

Number of Temporary Photo Hydro Stations established (III): 40

Remarks:

FIELD REPORT

SURVEY NO. T-8034

DESCRIPTION OF THE AREA

Survey No. T-8034 is one of twenty seven (27) shoreline manuscripts in Project No. CS-272-D located in Maine. The instructions for this project are dated:

1 April 1942 (Additional)
10 July 1943
18 March 1944
11 April 1944
17 July 1944 (Supplemental)
10 August 1944 (Additional)
26 August 1944 (Amendment to Additional Instructions)
18 September 1946 (Additional)

This survey includes part of the area of Cape Rosier and the small islands in East Penobscot Bay, the larger of which are Beach Island, Hog Island, Pond Island, and part of Pickering Island.

The shoreline, in general, is rocky with many ledges and occasional sand and gravel beaches.

Field inspection for Hog Island, Fiddle Head, Two Bush Island, and Birch Island was completed in 1945. Refer to the Field Report which was submitted by Fred. L. Peacock, 22 December 1945.

For information concerning the remainder of the area, refer to Season's Report 1946, Project No. CS-272-D, submitted by Ross A. Gilmore, and now filed in Project Report CS-272-A to E.

COMPILATION REPORT

SHORELINE MANUSCRIPT

SURVEY NO. T-8034

Survey No. T-8034 is one of twenty seven (27) shoreline map manuscripts in Project No. CS-272-D located in Maine.

26. CONTROL

Four (4) control stations were plotted within the area of this survey.

A list of stations on Form No. M-2388-12 is included in this report.

27. RADIAL PLOT

Refer to the radial plot report for the area of Survey No. T-8034 and No. T-8021 which was submitted to the Washington Office 17 January 1949 and which is now included in Descriptive Report T-8021

28. DELINEATION

The compilation is in accordance with Photogrammetry Instructions No. 17 dated 15 September 1947, and the field inspection data.

The small section of MHWL of Horse Head Island, which falls within the area of this survey was completely delineated on Survey No. T-8033.

The field inspection was adequate.

30. MEAN HIGH WATER LINE

The MHWL was delineated in accordance with the field identification.

31. MEAN LOW WATER

Only that portion of the mean low water line identified by the field party was delineated on the map manuscript. Since the stage of tide of the photographs was not low enough to permit accurate field identification of the low water line, all low water line delineated is approximate.

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE

Field inspection was adequate for interpretation of these features.

33. WHARVES AND SHORELINE STRUCTURES

No comment.

34. LANDMARKS AND AIDS TO NAVIGATION

The only non-floating aid to navigation on this survey is Green Ledge Light which has been previously charted.

No landmarks were recommended for charting within the area of this survey.

35. HYDROGRAPHIC CONTROL

Forty (40) photo hydro stations were located. A list of descriptions is attached to this report. Two copies have been furnished for the hydrographic party.

36. LANDING FIELDS AND AERONAUTICAL AIDS

None.

37. JUNCTIONS

Junction with Survey No. T-8049 to the east has been made and is in agreement.

Junction with Survey No. T-8033 to the south and T-8021 to the west is on an all water area.

Survey No. T-8035 to the north has not been completed and junction will be made at a later date. *Junction ok.*

38. GEOGRAPHIC NAMES

Geographic names were taken from U. S. C. & G.S. Charts Nos. 309, 310, 1203, and U. S. Geological Survey, Castine Quadrangle, Maine.

Four (4) ledges listed on the geographic names list do not appear on the map manuscript, because these features are not visible on the photographs.

A list of names is attached to this report.

40. BRIDGES

~~No comment~~ *NONE*

44. COMPARISON WITH EXISTING TOPOGRAPHIC SURVEYS

The map manuscript has been compared with the U. S. Geological Survey Castine quadrangle, scale 1:62,500. Minute comparison was not possible because of the great difference in scale between the two surveys. However, they were found to be in fair agreement.

45. COMPARISON WITH NAUTICAL CHARTS

Survey No. T-8034 has been compared with USC&GS charts Nos. 309 and 310, scale 1:40,000, published October 1947 and August 1937, respectively; also chart No. 1203, scale 1:80,000, published June 1936. Minute comparison was not possible because of the great difference in scale between the surveys. However, they were found to be in fair agreement.

The following topographic information shown on T-8034 is of sufficient importance to warrant immediate application to the chart:

None.

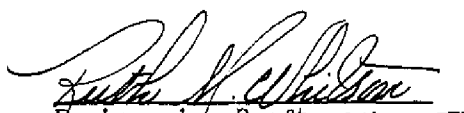
The following topographic details above the plane of mean high water are not shown on this manuscript, but are believed to still exist and should be carried forward on the chart:

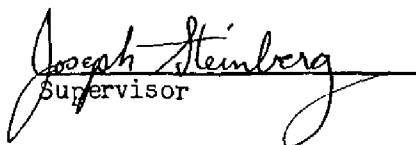
None.

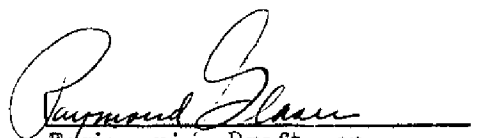
Low water features are shown in part and will be completed by the hydrographic party.

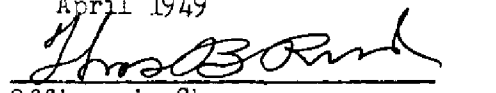
Minor cultural and shoreline changes need no special discussion.

Respectfully submitted
14 April 1949


Engineering Draftsman
Compilation and Descriptive
Report


Supervisor


Engineering Draftsman
Photogrammetric Office Review
Approved and forwarded
April 1949


Officer in Charge
Baltimore Photogrammetric Office

NOTES
FOR
HYDROGRAPHIC PARTIES

SHORELINE MANUSCRIPT

SURVEY NO. T-8034

The $2\frac{1}{2}$ millimeter circles, accompanied with a number are the positions of the photo hydro stations. Two copies of the list of descriptions of the photo hydro stations have been furnished for your use.

This manuscript has been compared with U. S. Coast and Geodetic Survey Charts No. 309, scale 1:40,000, published October 1947; No. 310, scale 1:40,000, published August 1937; and No. 1203, scale 1:80,000, published June 1936. Minute comparison was not possible because of the great difference in scale between the surveys. However, they were found to be in fair agreement.

Four (4) ledges listed on the Geographic Names List do not appear on the map manuscript, because these features are not visible on the photographs.

The following topographic information shown on T-8034 is of sufficient importance to warrant immediate application to the chart:

None.


The following topographic details above the plane of mean high water are not shown on this manuscript, but are believed to still exist and should be carried forward on the chart:

None.


Low water features are shown in part and will be completed by the hydrographic party.

Minor cultural and shoreline changes need no special discussion.

Respectfully submitted
15 April 1949


Engineering/Draftsman

Approved and forwarded
April 1949


Officer in Charge
Baltimore Photogrammetric Office

GEOGRAPHIC NAMES

T-8034

- Barred Islands
- Beach Island
- Birch Island
- Black Ledges
- Blake Point
- Cape Rosier (USBBN decision)
- Colt Head Island
- East Penobscot Bay (its limits are pending with U.S.B.G.N)
- Fiddle Head
- Green Ledge
- Hog Island
- Penobscot Bay
- Pickering Island
- Pond Island
- * Pumpkin Island Ledge
- * Merriman Ledge
- Resolution Island (USBBN decision)
- Spectacle Islands
- * Spectacle Island Ledge
- Two Bush Island
- * Two Bush Ledge
- Western Island

*These names do not appear on the map manuscript because these features are not visible on the photographs. (these names are O.K.)

Names preceded by • are
approved. 7-5-49. L. Heck

66

Review Report
Shoreline Survey T-8034
October 18, 1949

42. Photographs

The source of the data found for this item on page 4 of the Data Record is unknown. Corrections were made after checking the data found on the negatives of these photographs.

43. Comparison with Contemporary Hydrographic Surveys

No contemporary survey.

44. Comparison with Previous Topographic Surveys

T-1350b 1:10,000 1873
This map supersedes T-1350b for nautical charting purposes.
46 Adequacy of Manuscript

The compilation is adequate for accuracy and completeness.

Reviewed by:

L. Martin Gazik
L. Martin Gazik

Approved by:

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

O. S. Reading
Chief, Division of Photogrammetry

A. Edmonston
Chief, Nautical Chart Branch
Division of Charts

Wm. Scaife
Chief, Div. of Coastal Surveys *W.S.*

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DESCRIPTIONS OF PHOTO HYDRO STATIONS
FOR
SURVEY NO. T-8034

Signal No.	Photo. No.	Description
3401	7269	Lone 10' spruce tree with double top on E side of point.
3402	7269	Westerly of two large black boulders near S end of gravel beach. Boulder is 3 m offshore from MHWL.
3403	7269	S tip of grass on point.
3404	7269	Top of 8' loose ledge at MHWL. Ledge is 10 m S of a loose ledge that is almost square.
3406	6906	Top of pinnacle ledge on S side of point. Ledge has jagged top and is at MHWL.
3407	6906	S tip of ledge at MHWL
3409	6906	Top of brown offshore ledge with crack across highest part.
3410	6906	NW tip of grass on black ledge
3411	6906	SE tip of brush at S end of Island.
3412	6906	W tip of grass northerly of two short points
3413	6906	Highest part of large ledge at W end of gravel beach
3414	6906	Top of ledge that stands about 8' above small ledges
3415	6906	NW gable of unpainted shingle barn
3417	6906	3' round white boulder at edge of grass
3418	6906	Center of patch of rose briars at grass line
3419	6906	Top of 7' boulder with vertical E end at W end of gravel beach at MHWL
3420	6906	20' spruce at W end of gravel beach. Spruce has blaze on S side.
3422	6907	10' bushy lone spruce on prominent point
3423	6907	Most northeasterly tip of white ledge N of sand beach
3424	6969	Lone bushy spruce on extreme northeasterly end of gravel beach
3425	6969	A SE tip of grass on prominent point.

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Signal No.	Photo. No.	Description
3426	6969	NW tip of grass on small island.
3427	6969	W tip of grass on Pond Island
3428	6969	N tip of grass on bluff on W end of Pond Island
3429	6969	N tip of grass on bluff NE of woods on island
3431	6969	S tip of grass on extreme SE end of Pond Island
3432	6969	Bushy 10' spruce tree on side of bank
3433	6886	W tip of moss in crevice on N side of highest ledge on point
3434	6886	S tip of grass at inshore end of white ledge
3435	6886	Inshore end of ragged white ledge. W of lone spruce tree
3436	6886	NW tip of grass on point
3437	6886	S tip of grass on S Point
**3438	6886	6' boulder with small patch of grass on top
3439	6886	Highest part of ledge with green moss on top. There is a loose boulder between top of ledge and tree line
3440	6883	SE tip of grass on E end of Spectacle Island
3441	6970	3' white boulder on S slope of Westerly Spectacle Island
3442	6908	Brick chimney on W cottage with 30' spruce tree at W end
3443	6908	S gable of small white cottage with windows all the way across end.
3444	6908	Sharp edged boulder laying out from white ledge near MHWL
3445	6908	A single white 3' dia. boulder nearing W end of beach at MHWL
3446	6908	Top of black, rounded isolated ledge at E end of precipitous ledge shoreline.

** Signal Site rejected.

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Signal No.	Photo. No.	Description
3426	6969	NW tip of grass on small island.
3427	6969	W tip of grass on Pond Island
3428	6969	N tip of grass on bluff on W end of Pond Island
3429	6969	N tip of grass on bluff NE of woods on island
3431	6969	S tip of grass on extreme SE end of Pond Island
3432	6969	Bushy 10' spruce tree on side of bank
3433	6886	W tip of moss in crevice on N side of highest ledge on point
3434	6886	S tip of grass at inshore end of white ledge
3435	6886	Inshore end of ragged white ledge. W of lone spruce tree
3436	6886	NW tip of grass on point
3437	6886	S tip of grass on S Point
**3438	6886	6' boulder with small patch of grass on top
3439	6886	Highest part of ledge with green moss on top. There is a loose boulder between top of ledge and tree line
3440	6883	SE tip of grass on E end of Spectacle Island
3441	6970	3' white boulder on S slope of Westerly Spectacle Island
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3445	6908	A single white 3' dia. boulder nearing W end of beach at MHWL
3446	6908	Top of black, rounded isolated ledge at E end of precipitous ledge shoreline.

** Signal Site rejected.

NAUTICAL CHARTS BRANCH

SURVEY NO.

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.