

# 8047

Diag. Cht. No. 1203-1

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey PHOTOGRAMMETRIC SHORELINE

Field No. \_\_\_\_\_ Office No. T-8047

### LOCALITY

State MAINE

General locality PENOBSCOT BAY

Locality BAGADUCE RIVER

1941-46

### CHIEF OF PARTY

R.A.Gilmore, Chief of Field Party

T.B.Reed, Balto. Photo. Office

### LIBRARY & ARCHIVES

DATE January 5, 1951

B-1870-1 (1)

# 8047

# DATA RECORD

T - 8047

Project No. (II): CS-217-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, 1944 (Photogrammetry (IV) Copy filed in Division of

April 11 & July 17, 1944 (Supplemental) August 10, 1944 (Additional) August 26, 1944 (Amendment to Additional Instructions) September 18, 1946 (Additional) 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): 11-28-50

Publication Scale (IV): Not published

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): BAGGADUCE, 1872

Lat.: 44° 23' 48.10" (1463.2m) Long.: 68° 41' 52.16" (1149.4m)

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

Date: October 1946

*ROSCOE J. FRENCH*

Planetable contouring by (II):

*None*

Date:

Completion Surveys by (II):

*None*

Date:

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

Same as date of photographs supplemented by field inspection data

Projection and Grids ruled by (IV):

J.T.

Date: 7-3-44

Projection and Grids checked by (IV): MVP-D.L.

Date: 7-5-44

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

Date: 7-7-44

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

Date: 7-7-44

~~Radial Plot or Stereoscopic~~  
~~Control Extension~~

Frank J. Tarcza

Date: 30 June 1948

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): Leroy A. Senasack

Date: March 15, 1949 to  
April 11, 1949

Photogrammetric Office Review by (III):

J.W.Vonasek

Date: April 22-26, 1949

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

*NONE*

Date:



Number

Date \_\_\_\_\_

## Time

### Scale

Stage of Tide

06879, 06880

incl. 10-19-41

1030

1:9740

1.2 ft. above MHW

Reference Station: Portland, Maine

Subordinate Station: Pumpkin Island, South Bay, Bagaduce River

Subordinate Station:

Washington Office Review by (IV):

Final Drafting by (IV): *Benny*

Drafting verified for reproduction by (IV): *W. O. Hallum* *SSS*

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 8

Shoreline (More than 200 meters to opposite shore) (III): 19 statute miles

Shoreline (Less than 200 meters to opposite shore) (III): 5 statute miles

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered:

**Identified:**

Number of BMs searched for (II):

**Recovered:**

**Identified:**

Number of Recoverable Photo Stations established (III): // ~~12~~

Number of Temporary Photo Hydro Stations established (III):

Remarks:

Ratio of Ranges	Mean Range	Spring Range
1.0	8.9	10.2
1.2	10.3	11.7

Date: June 1, 1947

Date: 6-6-50

Date: 6-7-50

Date: 6-28-50





FIELD REPORT

SURVEY NO. T-8047

DESCRIPTION OF THE AREA

Survey No. T-8047 is one of twenty-seven (27) shoreline map 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 (Admendment to Additional Instructions)
- 18 September 1946 (Additional)

This survey includes part of the area known as Bagaduce River.

The terrain immediately adjacent to the mean high water line is, in general, rocky.. The shore area is partly ledge rock with some small patches of grass in water.

The interior is hilly and for the most part tree covered.

For further information concerning this area refer to Season's Report 1946, Project No. CS-272-D, submitted by Ross A. Gilmore. Filed in ~~Div. Photogrammetry General Files~~ Project Report for CS-272 A to E.



COMPILATION REPORT

SHORELINE MANUSCRIPT

SURVEY NO. T-8047

26. CONTROL:

Only one station appears on this manuscript, BAGGADUCE, 1872. It was not recovered. *The triangulation mark is stamped "BAGGADUCE" although the geographic name is spelled with one "G."*

27. RADIAL PLOT:

Refer to the radial plot report for the areas of Survey No. T-8046 and No. T-8047, submitted to the Washington office 21 July 1948. *Filed in Div. of Photogrammetry General Files.*  
and now included in Descriptive Report T-8046.

28. DELINEATION:

The compilation is in accordance with Photogrammetry Instructions No. 17, dated 15 September 1947. Filed in Div. Photogrammetry Office Files.

~~A small area west of Wardwell Point including four ledge or reef areas was not delineated since it has already been compiled on Survey No. T-8036 from field inspection obtained in 1944. It was necessary, in order to make a good junction with survey T-8036, to delineate approximately 3 mm. of the shoreline shown on that survey.~~

A recoverable topographic station CHIMNEY, 1946 (4704) has been located in the area of survey No. T-8036.

The positions of Big Ledge Daybeacon, 1946 and Jones Halftide Ledge Daybeacon, 1946 as located by planetable methods on field photograph 6880 in 1946 do not agree with the positions of the ledges indicated during the 1944 field inspection on photograph 6879. The 1946 positions have been shown.

Small bluffs which appeared to be wooded were not delineated along the MHWL.

30. MEAN HIGH WATER LINE:

No comment.

31. MEAN LOW WATER LINE:

Only that portion of the mean low water line identified by the field party was delineated. All of the mean low water line shown is approximate.



The mean low water line on the west shore of Wardwell Point was not delineated because of conflicting field inspection as to the cove baring or not at MLW. ~~The area from the MHWL to where the field party identified the MLWL was delineated as grass in water after careful interpretation.~~

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE:

No comment.

33. WHARVES AND SHORELINE STRUCTURES:

No comment.

34. LANDMARKS AND AIDS TO NAVIGATION:

Three daybeacons were located on field photograph 06880 by plane-table methods. These were transferred to the manuscript by use of the vertical projector. Form No. 567 will be submitted after all surveys in the area have been compiled.

Submitted to Nautical Chart Br.  
Div. Charts

35. HYDROGRAPHIC CONTROL:

Sixty-six (72) 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-8046 to the north, T-8036 to the west and T-8048 to the south have been made and are in agreement. Junction to the east with survey No. T-8559 is in an interior area.

38. GEOGRAPHIC NAMES:

Geographic names were taken from U. S. C. & G. S. Chart Nos. 311 and 1203, U. S. Geological Survey, Blue Hill Quadrangle, Maine. The list of names is attached to this report.

40. BRIDGES:

The clearance for the bridge crossing Bagaduce River near North Brooksville was taken from the 1941 Bridge book. Field inspection data for this bridge was not furnished the compilation office.



44. COMPARISON WITH EXISTING TOPOGRAPHIC SURVEYS:

The map manuscript has been compared with U. S. Geological Survey Quadrangle, Blue Hill, Maine, scale 1:62,500 edition of 1944 and found to be in fair agreement with the exception of the land area at the bridge over Bagaduce River; an island just south of a point jutting southeast of Nab Island; and geographic names taken up in the list of Geographic Names.

44A. COMPARISON WITH EXISTING PLANIMETRIC SURVEYS:

Previous surveys Nos. T-1372, T-1377, T-1405a and T-1405b of the U. S. Coast and Geodetic Survey are in the area of this survey but were not available for comparison. See review.

45. COMPARISON WITH NAUTICAL CHARTS:

This manuscript has been compared with U. S. Coast and Geodetic Survey charts No. 311, scale 1:40,000, edition June 1932 and No. 1203, scale 1:80,000 edition June 1936. Minute comparison was not possible because of great difference in scale between the surveys. They appear, in general, to be in fair agreement.

The following topographic information shown on T-8047 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.

Respectfully submitted  
11 April 1949

Leroy A. Senasack  
Cartographic Aid  
Compilation and Descriptive Report

Joseph W. Vossack  
Photogrammetric Engineer  
Photo. Office Reviewer

Harry R. Rudolph  
Supervisor

Approved and forwarded  
29 April 1949

Thos B. Rind  
Officer in Charge  
Baltimore Photogrammetric Office

DESCRIPTION OF PHOTO HYDRO STATIONS  
FOR  
SURVEY NO. T-8047

Signal No.	Photo. No.	Description
4701	6879	Large boulder on west side of cove west of Wardwell Point closest to point at MHWL.
4702	6879	Largest boulder in group of offshore boulders mid-way between rock fill at head of cove and point.
4703	6879	A 15 Ft. spruce tree on southwest side of rounded point at base of gravel slope, 3 m. northeast of MHWL.
4705	6879	A 10 ft. leaning spruce tree at base of grassy slope on east side of Winslow Point (shown as Wardwell Point on manuscript).
4706	6879	Large granite boulder on point about 50 ft. from lone spruce tree.
4707	6879	Large flat white top boulder on round point.
4708	6879	Highest point of offshore ledge (Field photograph 6879 shows two elevations for this point, 2' & 3').
4709	6879	Largest white boulder in group on edge of tree line (REJECTED).
4711	6871	Large, sharp pointed boulder with a number of large cracks in it.
4712	6871	Largest granite boulder setting off from shore at base of black granite ledge slope, with spruce trees on its edge.
4713	6871	The farthest out of two granite boulders with white top. It also forms a small point.
4715	6871	Extreme northwest tip of boulder pier.
4716	6871	A large granite boulder with white top on small point. with parallel clearing behind tree line.
4717	6871	White 3 ft. ledge at foot of woods clearing (REJECTED)
4718	6871	Highest part of moss covered black ledge with small spruce on it.



Signal No.	Photo. No.	Description
✓4719	6871	Lone, 1 foot dia. oak tree on small island (Pumpkin) west of east shore small point.
✓4720	6880	White top boulder at foot of slope. Largest one in area.
— 4721	6870	Southwesternmost tip of grass on point on white granite ledge (REJECTED).
4722	6870	Lone 1 ft. dia. oak tree on point opposite Green Island with gravel bank in front of it (REJECTED).
✓4724	6870	Extreme tip of white boulder point.
✓4725	6870	Largest granite boulder off point of small clump of maples.
✓4726	6870	Largest granite boulder with white top off small island with lone oak tree on it, southwest of island.
✓4727	6870	Large white granite boulder in front of lone 1½ ft. dia. birch tree.
4728	6870	Extreme tip of rock fill in front of cottages.
✓4729	6870	Largest white granite pointed top boulder in area. Southeast of cottages.
4730	6870	Large white top granite boulder surrounded with grass off rounded point of tall spruce.
✓4731	6870	Northeast corner of large pier.
✓4733	6870	Gray pointed boulder east of small island, largest on side.
✓4734	6870	Gray flat boulder on prominent point, largest in vicinity.
4736	6870	Only black granite boulder on edge of tree line, moss on top.
4737	6870	Top of triangle formed by large gravel bank on southeast side of island.
4738	6870	Most northern granite irregular boulder on point.

Signal No.	Photo. No.	Description
✓4739	6870	Highest tip grassy knoll on small island.
✓4740	6870	Highest tip of white ledge jutting out into water on point of Green Island.
✓4741	6870	Most extreme tip of rock ledge point at MHWL with small spruce on it.
✓4742	6870	White rock ledge with black top with vertical crack in it.
✓4743	6870	Top of highest and largest granite boulder in area.
✓4744	6870	West gable of small white house east of row of spruce trees on bank of cove.
*4746	6870	North gable of green shingled barn.
✓4747	6870	Westernmost spruce tree on point, large boulder at base of tree.
✓4748	6870	Small 25 ft. spruce just north of a much larger spruce tree on shore (REJECTED).
✓4749	6870	Largest white granite boulder in area.
✓4750	6870	Largest pointed white granite boulder, only pointed boulder in area.
✓4751.	6870	Northeastern most of two boulders, gray top, black base.
✓4752	6870	Highest point of large ledge in entrance to cove, 15 m. wide.
✓4753	6870	Northernmost point of rounding white granite ledge. Just north of large lone spruce tree (REJECTED).
✓4754	6880	Largest, highest gray granite boulder on east side of head of cove.
✓4755	6880	Highest spruce tree on tip of point.
✓4756	6880	Only large, tall spruce tree along shore.
✓4757	6880	Ten ft. spruce at head of small cove at grass line. (REJECTED).
✓4758	6880	Large prominent square shaped granite boulder about 30 m. back of MHWL in field.

Signal No.	Photo. No.	Description
✓4759	6880	Large bush spruce at top of bank near gully, near head of cove.
4760	6880	Flat topped lone hard wood tree on point of ledge.
4761	6880	Largest granite boulder on point.
✓4762	6880	Largest and only boulder in cove.
✓4763	6880	Largest jagged boulder on point.
✓4765	6880	Extreme point of only ledge on west side of cove.
—4766	6880	Extreme northern tip of ledge just east of small cove (REJECTED).
✓4767	6880	Only white granite boulder in area.
✓4768	6880	Tip of point, grass line and boulder line at base of small bluff.
✓4769	6880	Extreme point of ledge at MHWL.
✓4771	6880	Extreme northern point of ledge on point.
✓4772	6880	West gable of only building on point, which is a small fishing shack. (Identified by Compilation Office).
✓4773	6880	Extreme northern tip of ledge on point at MHWL.
✓4774	6880	Flat white ledge at base of small spruce at northern edge of gravel beach.
✓4775	6879	Southwesternmost spruce tree on point, blazed on south side of tree.
✓4776	6879	Large granite boulder about ten m. northeast of large granite ledge.
✓4777	6879	White granite ledge, signal site marked with red and white paint.
✓4778	6879	Northernmost point of grass on north tip of island where grass meets ledge.



Signal No.	Photo. No.	Description
✓4779	6879	Most northern of two boulders on beach.
✓4780	6879	Most southern tip of ledge on island.
✓4781	6879	Most southeastern spruce on island.
✓4782	6879	Highest point of dirt and small boulders on tiny island.
✓4783	6879	Eastern most tip of ledge at MHWL on southeast side of the big island.
✓4784	6879	Highest part of detached rock ledge on south end of big island.
✓4785	6879	Large offshore boulder at head of small cove.
✓3v5	6879	Highest part of pointed ledge which is west of fence which runs 10 m. offshore from edge of bank. Six foot boulder east of it approx. 100 m.
✓3v6	6879	Highest part of offshore ledge in bight.
✓3v7	6879	Three-foot gray boulder on MHWL on north side of bight.
✓3v8	6879	Highest tip of largest reef northeast of narrows.
Listed by:	<u>Leroy A. Senasack</u> Leroy A. Senasack Cartographic Aid	

Checked by: Joseph W. Vonasek  
J. W. Vonasek  
Cartographer (Photo)

NOTES  
FOR  
HYDROGRAPHIC PARTIES

MAP MANUSCRIPT

SURVEY NO. T-8047

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. 311, scale 1:40,000 published June 1932 and No. 1203, scale 1:80,000 published June 1936. Minute comparison was not possible because of great difference in scale between the surveys. They appear, in general, to be in fair agreement.

The following topographic information shown on T-8047 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.

Field photograph No. 6879 shows two elevations for the highest point of offshore ledge selected for photo hydro station No. 4708.

Respectfully submitted  
11 April 1949

Leroy A. Senasack  
Cartographic Aid

Approved and forwarded  
April 1949

Thos B. Rind  
Officer in Charge  
Baltimore Photogrammetric Office



# GEOGRAPHIC NAMES

## ~~UNDISPUTED~~

- ✓ • Bagaduce River
- ✓ • Bear Head
- ✓ • Bluff Head
- ✓ • Blodgett Cove
- ✓ • Camp Stream

- ✓ • Hawes Point
- ✓ • Hernick Bay
- ✓ • Johnson Point
- ✓ • Mills Point

• Green Cove

- ✓ • Narrows
- ✓ • North Brooksville

- ✓ • Parker Pond
- ✓ • Pumpkin Island

- ✓ • South Bay
- ✓ • Stover Corner
- ✓ • Stover Cove

- ✓ • Tapley Cove
- ✓ • Tills Cove

- ✓ • Youngs Islands

## ~~DISPUTED~~

- Green Island ✓ - shown as Green Islands on U.S.G.S. Quadrangle.
- Nab Island ✓ - a small island in southern part of Hernick Bay is shown as Nab Island on quadrangle.
- Wardwell Point - shown as Tills Point on quadrangle.
- Blodgett Cove ✓ - shown as Green Cove on quadrangle.

• State 176  
• " 175

Names preceded by •  
are approved. 5-27-49  
L. Heck



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Review Report  
Shoreline Manuscript T-8047

44. Comparison with Existing Topographic Surveys

T-1372	1:10,000	1874
T-1377	1:10,000	1874
T-1405 b	1:10,000	1876

*T-8047 supersedes these surveys for nautical charting purposes.*

45. Comparison with Nautical Charts

No. 311	1:40,000	1949
No. 1203	1:80,000	1948

*There are no significant differences between T-8047 and the nautical charts.*

Reviewed by:

*L. Martin Gazik*  
L. Martin Gazik  
6/1/49

Approved by:

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

*O. S. Reading*  
Chief, Div. of Photogrammetry

*H. R. Edmonson*  
Chief, Nautical Chart Branch  
Division of Charts

*W. M. Sciffe*  
Chief, Div. Coastal Surveys



## NAUTICAL CHARTS BRANCH

SURVEY NO. T-8047

### 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.