

5973

1204  
Diag'd. on Diag. Ch. No. 1208 - 2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Planimetric Air Photographic  
( Shoreline )

Type of Survey .....

Field No. CS-272-B Office No. T- 5973

LOCALITY

State Maine

General locality Coast of Maine

Locality Kennebec River-Phippsburg & Vicinity

1942 - 1943

CHIEF OF PARTY

F. L. Peacock

LIBRARY & ARCHIVES

DATE Mar 18 - 1948

B-1870-1 (1)

5973

## DATA RECORD

T- 5973

Quadrangle (II): BATH, MAINE (U.S.65)

Project No. (II): 65-272-B

Field Office:  
U.S.C. & G. S. S.S. LYDONIA

Chief of Party: C.D. Meaney

Compilation Office:  
Air Photo Survey Party No. 2  
Baltimore, Maryland.Chief of Party:  
Fred. L. Peacock

Instructions dated (II III):

January 12, 1942

April 1, 1942

Copy filed in Descriptive  
~~Report No. T-~~ (VI)  
Div. of Photogram. Office Files

Completed survey received in office: 29 Mar. 1943

Reported to Nautical Chart Section:

Reviewed: 30 Sept. 1947

Applied to chart No. 315  
(Reconst.) Date: 4/10/43-J.T.W.

Redrafting Completed: 6 Jan. 1947

Registered: ~~12 April, 1948~~  
3/49

Published: Shoreline (Vault copy only)

Compilation Scale: 1:10,000

Published Scale: 1:10,000

Scale Factor (III): None

Geographic Datum (III):  
North American 1927Datum Plane (III): M.H.W.  
~~Mean Sea Level~~Reference Station (III):  
BOWKER 1856-1934-1942

Lat.: 43° 49' 59.493"

1817.2 m.

Long.: 69° 49' 10.025"

220.9 m.

Adjusted  
Unadjusted

State Plane Coordinates (VI): East Zone

X =

Y =

Military Grid Zone (VI)

# PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
6800	10/17/41	12:53 P.M.	1:10,000	1.2' above M.L.W.
6801	10/17/41	12:53 P.M.	1:10,000	1.2' above M.L.W.
6802	10/17/41	12:53 P.M.	1:10,000	1.2' above M.L.W.
6803	10/17/41	12:53 P.M.	1:10,000	1.2' above M.L.W.
6813	10/17/41	1:38 P.M.	1:10,000	0.5' above M.L.W.
6814	10/17/41	1:38 P.M.	1:10,000	0.5' above M.L.W.
6815	10/17/41	1:38 P.M.	1:10,000	0.5' above M.L.W.
6816	10/17/41	1:38 P.M.	1:10,000	0.5' above M.L.W.
6817	10/17/41	1:38 P.M.	1:10,000	0.5' above M.L.W.
6831	10/17/41	1:40 P.M.	1:10,000	0.5' above M.L.W.
6832	10/17/41	1:40 P.M.	1:10,000	0.5' above M.L.W.
6833	10/17/41	1:40 P.M.	1:10,000	0.5' above M.L.W.
7011	10/20/41	8:58 A.M.	1:10,000	7.7' above M.L.W. } 0.2' above
7012	10/20/41	8:58 A.M.	1:10,000	7.7' above M.L.W. } above
7013	10/20/41	8:58 A.M.	1:10,000	7.7' above M.L.W. } M.H.W.

Tide from (III): Portland, Maine, with time correction to Phippsburg, Maine.

Mean Range: 7.5 ft.

Spring Range: 8.6 ft.

Camera: (Kind or source)

U.S. Coast and Geodetic Survey Nine Lens; Focal length 8.25"

All negatives are on file in the Washington Office.

Field Inspection by:

Lieuts. H.O. Fortin and R.C. Bolstad under supervision  
of Lieut. Com. C.D. Meaney, Com. Officer, S.S. LYDONIA

date:  
Summer of 1942.

Field Edit by:

date:

Date of Mean High-Water Line Location (III):

1720)  
October 1941

Projection and Grids ruled by (III) Washington Office date: April 28, 1942  
(J.O.N.)

" " " checked by: Washington Office date: April 28, 1942

Control plotted by: W.E. Schmidt date: May 11, 1942.

Control checked by: J.E. Sunderland date: May 20, 1942

Radial Plot by: W.E. Schmidt date: June 1942

Detailed by: R.P. Lathrop (Shoreline - rough draft) date: Sept.-Oct. 1942

Reviewed in compilation office by: M.G. Misulia date: Feb.-March 1943

Elevations on ~~Field Edit Sheet~~ <sup>Map Manuscript</sup>  
checked by: B.T. Hyson

date:

STATISTICS (III)

Land Area (Sq. Statute Miles):  
None

Shoreline (More than 200 meters to opposite shore):  
19 Statute Miles

Shoreline (Less than 200 meters to opposite shore):  
27.5 Statute Miles

Number of Recoverable Topographic Stations established:  
23 by Air Photo Compilation 1 by field party-theodolite

Number of Temporary Hydrographic Stations located by radial  
plot:  
23

Leveling (to control contours) - miles:  
None

Roman numerals indicate whether the item is to be entered  
by, (II) Field Party, (III) Compilation Party, or, (VI) the  
Washington Office.

When entering names of personnel on this record give the  
surname and initials (not initials only).

Remarks:



# COMPILATION REPORT

## 26. CONTROL:

The control plotted and control transferred from adjoining map drawings consists of 22 U.S. C. & G.S. triangulation stations and 18 U.S.E. triangulation stations. The above listed control was supplemented by the topographic station "Back", established in 1942 by Lieut. H. O. Fortin.

The following list of triangulation stations (shown with the regular black acid ink triangle) are within the detailed limits of this map drawing:

### 8 U.S.C. & G.S. triangulation stations:

- Squirrel Point Light 1904, r. 1942
- Phippsburg Spire 1855-56-1904, r. 1942
- \* Cutting's Drummond barn, west end 1856 (partial recovery in 1942)
- \* Fish House Chy. 1856, 1934, r. 1942
- Bowker 1856, r. 1934, r. 1942
- Winnegance 1933, r. 1942
- Stevens 1933, r. 1942
- Back River 1855, r. 1942

### 14 U.S.E. triangulation stations:

- Indian U.S.E., r. 1942
- Bluff Head U.S.E.
- Green U.S.E.
- Lithgow U.S.E., 1940, r. 1942
- Turn, U.S.E.
- Marsh U.S.E., r. 1942
- Bald U.S.E.
- Phippsburg U.S.E., r. 1942
- Goat U.S.E.
- Lower Lee U.S.E.
- Lark U.S.E.
- Owl U.S.E. 1940
- Pette U.S.E.
- Squirrel U.S.E.

The following list of triangulation stations fall without the detailed limits of this map drawing:

### 14 U.S. C. & G.S. triangulation stations:

- \* Rotunda Hill 1855. r. 1942
- \* Ward 1933, r. 1942
- Braddon 1933, r. 1942
- \* Horsey's House Chy 1866. r. 1942
- Foster Pt. Pyramidal roof, peak, 1933, r. 1942
- \* Foster Pt. House Flag Pole 1933
- \* Holbrook's House S. Chy. 1866, r. 1942
- \* Woodward's House Cupola 1866. r. 1942
- \* Buena 1933, r. 1942
- Riggs, 1934, r. 1942
- Parkers Island, 1855, r. 1942
- \* Square Yellow Ho. Chy. 1866, r. 1942

- \* Burnt Ledge 1854, r.1934,1942
- \* Burnt Ledge Jr. 1866,r.1934,r.1942

- 4. U.S.E. triangulation stations:
  - Doubling Point Light U.S.E. 1903,r.1942
  - Bend U.S.E.
  - Ridge U.S.E.
  - Baldhead U.S.E.

The U.S.E. stations listed above without dates indicate that they were not visited by the field inspection party and were not used in the plot. They had been plotted on this map drawing before this office received the field inspection photographs for the area covered by this map drawing.

- 1 Topographic station (shown with a  $2\frac{1}{2}$  mm. black acid ink circle) Back 1942

Station "Back" (topo.), 1942 held 100% or tangent on all the photographs on which the image point could be properly identified.

\* Stations are shown with a dashed triangle on this map drawing and are to be considered lost. Old foundations were found. These stations were used to control the plot unless otherwise mentioned in the radial plot report.

x Stations have been transferred from adjoining map drawings and have been indicated with a red acid ink triangle.

## 27. RADIAL PLOT:

(N.B.) Refer to special report submitted with map drawing No. T-5970.

This plot was not dependent upon the U.S.E. stations (dated markers) which held within one to three meters of their respective radial lines on the photographs. They were used as supplementary control but, in many instances, were superfluous.

The main difficulty in pricking the positions of the stations, both U.S.C.&G.S. and U.S.E., was the inability to properly identify the reference points (a,b,c points) as recommended by the field inspection party on all photographs. Where a station mark was located in a thickly wooded area it was almost impossible to identify the reference points on the office photographs as recommended by the field inspection party except those photographs which were duplicates of the field photographs on which these reference points were originally pricked. The transfer of these points from one photograph to another by the stereoscope did not prove satisfactory.

Secondary control points, established to prove the plot, are indicated on this map drawing with small double purple and green ink circles.

Tertiary control points are indicated on this map drawing with small single purple and green ink circles.

Purple circles indicate points which have been established by the intersection of three or more radial lines and whose positions are considered strong. Green ink circles indicate points which have been established by the intersection of three or less radial lines and whose positions are considered relatively weak.

Tilt computations were necessary. Location of iso-centers and magnitude of tilt were noted on the map drawing.

## 28. DETAILING:

The shoreline and the immediate adjacent culture has been detailed on this map drawing in accordance with the Director's letters of January 12, 1942 and April 1, 1942 pertaining to this project.

All photographs covering this area were taken at approximately M.L.W. except photographs No. 7011, 7012, and 7013, which were taken at approximately M.H.W. The M.H.W. line was detailed from photographs No. 7011, 7012, 7013 whenever possible. In all other instances the M.H.W. line was detailed from the field inspection photographs except in areas where the field inspection party indicated the M.H.W. line on a field photograph having deep shadows or displacement due to relief. In these excepted areas the shoreline was carefully examined, re-interpreted and detailed from the best possible office photograph.

A light-weight solid black acid ink line has been used to indicate the limits of rock ledge except in a few cases where the usual ledge symbol was used to indicate small areas of ledge. This light-weight line should not be confused with the light-weight line indicating the outer limits of marsh areas. The line indicating the limits of rock ledge has been property labeled on this map drawing.

The projector was used in detailing areas having scale differences. The field inspection party did not indicate the location of any bluffs. All office photographs were examined under the stereoscope and all bluffs of any importance noted were shown on this map drawing. The ordinary dirt bluff symbol was used to indicate these bluffs.

Rocks identified by the field inspection party and those that could be positively identified by the compiler have been indicated on this map drawing and their relation to M.H.W. or M.L.W. noted. Small individual rocks with no appreciable area baring between M.L.W. and M.H.W. or baring not more than  $1\frac{1}{2}$  ft. above M.H.W. are shown with the rock awash symbol. The more prominent of these were radially plotted and indicated with a  $2\frac{1}{2}$  mm. black acid ink dotted circle in addition to the rock awash symbol. The limits of larger rocks with a definite appreciable area between M.L.W. and M.H.W. were indicated with a solid light weight black acid ink line (of course these areas would probably vary according to the stage of tide and their shape and cannot be accepted as being actually correct). Such rock areas have generally proven to be the outcropping parts of larger rock ledge areas. Rocks having a definite appreciable area above M.H.W. have been outlined with a solid heavy weight black acid ink line. Rocks of very small areas



and which bare more than  $1\frac{1}{2}$  ft. above M.H.W. have been indicated with a solid black acid ink dot and labeled.

30. MEAN HIGH WATER LINE:

The mean high water line (firm ground) has been indicated by a solid heavy weight black acid ink line, the center of which should be taken as the true position. A solid light-weight black acid ink line (marsh area) indicates the limits of navigation and not necessarily the mean high water line. Most of the shoreline consists of bluff, rock, marsh, mud, and sand. All important features have been labeled on the overlay sheet.

31. LOW WATER AND SHOAL LINES:

Approximate limits of shoal and foul areas have been indicated, with a light-weight dashed black acid ink line and labeled, for use of the hydrographer only.

32. DETAILS OFFSHORE FROM HIGH WATER LINE:

Fish traps have been detailed and labeled.

33. WHARVES AND SHORELINE STRUCTURES:

All piers, wharves, cribbing, and other shoreline structures were indicated, and labeled whenever it was thought necessary.

Movable floats and gangways, unless otherwise noted, were not shown on this map drawing as these could not be considered a permanent part of the piers.

Bridges were shown and their horizontal and vertical clearances with respect to M.H.W. noted.

34. LANDMARKS AND AIDS TO NAVIGATION:

Two U.S.C. & G.S. triangulation stations and six recoverable topographic stations were recommended by the field inspection party as landmarks and aids to navigation for charts:

2 U.S.C. & G.S. triangulation stations:

- Flagpole, 20 ft. atop of large two-story house. (Stevens, 1933)
- Light, Squirrel Pt.

6 Recoverable topographic stations:

- Chimney stone on white house (Birch Pt.)
- Beacon, Bragdon's Rock (unlighted)
- Beacon, Ram Island
- Beacon, Indian Pt. (unlighted)
- Beacon, Pettis Rks. (unlighted)
- Cupola, barn, Squirrel Pt.

Positions have been submitted on Form 567. Chart Letter 139 (1943)

Fm 5-24



35. HYDROGRAPHIC CONTROL:

+ "Bath, 1942" P 21

23 recoverable topographic and 23 temporary hydrographic stations have been radially established on this map drawing. The recoverable and temporary stations have been indicated with a  $2\frac{1}{2}$  mm. and  $1\frac{1}{2}$  mm. black acid ink circle respectively.

The descriptions for both classes of stations have been noted either on this map drawing or on the overlay sheet.

Position and descriptions of the recoverable topographic stations have been submitted on Form 524.

The recoverable topographic stations are as follows:

No's. 6, 7, 8, 10, 12, 115, 116, 131, 136, 171, 172, 174, 546, 566

- Squirrel Pt., barn cupola
- Beacon, Ram Island
- Beacon, Indian Pt.
- Beacon, Pettis Rks
- Beacon, Bragdon ~~Is~~ Rock
- U.S.E. "17.16" B.M.
- U.S.B.M. "8M 1941 19"
- U.S.C. & G.S. No. 1 B.M.
- U.S.B.M. "40.9" ✓ 6814

37. JUNCTIONS:

Map drawing T-5968, west side, junction in agreement.

Map drawing T-5988, east side, no junction possible at this data. 3/22/43

OK (4-12-48)

Map drawing T-5974, north side, junction in agreement

Map drawing T-5972, south side, junction in agreement.

39. RECOMMENDATIONS FOR FUTURE SURVEYS:

This map drawing is believed to be complete in all details of importance for charting and no additional surveys are required.

The probable error of radial points and well-defined objects along the shoreline is not greater than 0.5 mm. The error of inland radial points and details of importance is not greater than 1.0 mm.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Bath, Me. Quadrangle U.S.G.S. Edition of Dec. 1894, reprinted 1940.

Scale 1:62,500.

Due to the difference in scale between this map drawing and the above mentioned quadrangle, small planimetric details could not be fully compared. Many buildings along the shoreline were

not shown on the quadrangle.

Streams shown at approximately the following geographic positions on the quadrangle are either much smaller or non-existent on this map drawing:

Latitude 43° 49' 40" and Longitude 69° 51'  
Latitude 43° 49' and Longitude 69° 51' 10"  
Latitude 43° 49' 45" and Longitude 69° 51' 45"  
Latitude 43° 50' and Longitude 69° 51' 25"  
Latitude 43° 45' and Longitude 69° 48' 50"  
Latitude 43° 51' and Longitude 69° 48' 50"  
Latitude 43° 50' 35" and Longitude 69° 49' 55"  
Latitude 43° 50' 35" and Longitude 69° 49' 45"  
Latitude 43° 51' 50" and Longitude 69° 51' 20"  
Latitude 43° 51' 25" and Longitude 69° 51' 30"

At approximately Latitude 43° 50' 30" and Longitude 69° 52' 10",  
Latitude 43° 50' 30" and Longitude 69° 48' 25"; ponds do not show on  
the quadrangle. sk

At approximately Latitude 43° 52' 15" and Longitude 69° 49' 30"  
numerous cat-tail islands have been detailed on this map drawing that  
do not appear on the quadrangle.

At approximately Latitude 43° 52' 25" and Longitude 69° 49' a  
log pond has been detailed on this map drawing that does not appear  
on the quadrangle. sk

#### 45. COMPARISON WITH NAUTICAL CHARTS:

Chart 1204; Published March 1942. Scale 1:80,000

Chart 314; Published February 1935; re-issued, July 1938. Scale  
1:40,000

Chart 315; Published July 1941. Scale 1:40,000

Due to scale difference small planimetric details could not be  
satisfactorily compared between this map drawing and the above mentioned  
charts. In general, however, planimetric detail common to both, is in  
fair agreement.

Ponds and cat-tail islands mentioned in paragraph 44 also  
pertain to this comparison.



not shown on the quadrangle.

Streams shown at approximately the following geographic positions on the quadrangle are either much smaller or non-existent on this map drawing:

Latitude 13° 51' 25" and Longitude 69° 51' 30"  
 Latitude 13° 51' 25" and Longitude 69° 51' 30"  
 Latitude 13° 51' 25" and Longitude 69° 51' 30"  
 Latitude 13° 51' 25" and Longitude 69° 51' 30"  
 Latitude 13° 51' 25" and Longitude 69° 51' 30"  
 Latitude 13° 51' 25" and Longitude 69° 51' 30"  
 Latitude 13° 51' 25" and Longitude 69° 51' 30"  
 Latitude 13° 51' 25" and Longitude 69° 51' 30"  
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 Latitude 13° 51' 25" and Longitude 69° 51' 30"  
 Latitude 13° 51' 25" and Longitude 69° 51' 30"  
 Latitude 13° 51' 25" and Longitude 69° 51' 30"  
 Latitude 13° 51' 25" and Longitude 69° 51' 30"  
 Latitude 13° 51' 25" and Longitude 69° 51' 30"  
 Latitude 13° 51' 25" and Longitude 69° 51' 30"

At approximately Latitude 13° 50' 30" and Longitude 69° 52' 10", Latitude 13° 50' 30" and Longitude 69° 52' 10"; ponds do not show on the quadrangle.

At approximately Latitude 13° 52' 15" and Longitude 69° 51' 30", numerous cat-tail islands have been detailed on this map drawing that do not appear on the quadrangle.

At approximately Latitude 13° 52' 25" and Longitude 69° 51' 30", a log pond has been detailed on this map drawing that does not appear on the quadrangle.

12. COMPARISON WITH NAUTICAL CHARTS.

Chart 1201: Published March 1912. Scale 1:80,000  
 Chart 311: Published February 1935; re-issued, July 1938. Scale 1:40,000  
 Chart 312: Published July 1941. Scale 1:40,000

Due to scale difference small planimetric details could not be satisfactorily compared between this map drawing and the above mentioned charts. In general, however, planimetric detail common to both, is in fair agreement.  
 Banks and cat-tail islands mentioned in paragraph 44 also pertain to this comparison.

*Robinhood Cove added to vault copy and shown in red (lower right corner of sheet) See T-5788*



GEOGRAPHIC NAMES

Listed below are the undisputed geographic names that pertain to the detail limits of this map drawing unless otherwise indicated.

- |  |                               |
|--|-------------------------------|
| - Arrowsic (settlement, not district)      | - Kennebec R. (U.S.G.B.)      |
| - Arrowsic Island                          | <del>New Meadows R. ( )</del> |
| - Back River                               | - Indian Pt.                  |
| - Birch Point                              | ✓ Gunning Marsh               |
| - Bluff Head                               | ✓ Sewell Creek                |
| - Brighams Cove                            | ✓ Cutting Creek               |
| - Brigham's Cove (Village)                 | ✓ Houghton Pond               |
| - Dam Cove                                 | ✓ Dam Core Creek              |
| - Drummore Bay                             | ✓ Campbell Pond and Hill      |
| - Fisher Eddy                              | ✓ Newtown Creek and Hill      |
| <del>Georgetown - district</del>           | - Hall Hill                   |
| - Georgetown Island                        | - Minot Creek and Hill        |
| - Goat Island                              | - REGES HILL                  |
| - Green Point                              | - PITCHPINE HILL              |
| - Hall Bay                                 | - MOORE HILL                  |
| - Hen Island Ledge                         | - Pasture Brook               |
| - Jannys Nubble                            | - Howe Hill                   |
| - Lee Island                               |                               |
| <del>Lithgow Rock (not indicated)</del>    |                               |
| - Meadowbrook                              |                               |
| - Merrit Island                            |                               |
| - Mill Cove                                |                               |
| - Morse Cove                               |                               |
| - New Meadows River (USGB)                 |                               |
| - Old Mill Pond                            |                               |
| - Pettis Rocks                             |                               |
| <del>Phippsburg - district</del>           |                               |
| - Phippsburg (Village) (U.S.G.B.)          |                               |
| - Ram Island                               |                               |
| - Sabino                                   |                               |
| - Seal Island                              |                               |
| <del>Seven Foot Rock (not indicated)</del> |                               |
| - Sewell Pond                              |                               |
| - Squirrel Point                           |                               |
| <del>West Bath - district</del>            |                               |
| - Winnegance (Village)                     |                               |
| - Winnegance Bay                           |                               |
| - Winnegance Creek                         |                               |
| - Wynburg                                  |                               |

All names listed above  
are approved. 12/5/45  
(Section sheets  
438 697-698)

GEOGRAPHIC NAMES

Listed below are the disputed geographic names that pertain to the detail limits of this map drawing:

- |                        |                         |
|------------------------|-------------------------|
| <u>- Bragdon Rock</u>  | <u>- Bragdon's Rock</u> |
| <u>- Bushy Island</u>  | <u>- Bushy Islet</u>    |
| <u>- Hen Island</u>    | <u>- Hen Islet</u>      |
| <u>- Rich Mountain</u> | <u>- Rich Hill</u>      |

Names underlined in red approved  
by L. Heck on 12/5/45



Compilation by;  
Roger P. Lathrop  
Jr. Photogrammetric Aid

Descriptive Report Submitted and  
Compilation Reviewed by,

*Michael G. Misulia*

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Michael G. Misulia  
Jr. Topographic Engineer

Compilation and Descriptive Report  
Supervised by,

*Walter E. Schmidt*

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Walter E. Schmidt  
Asst. Photogrammetric Engineer

Approved & Forwarded

*Fred. L. Peacock*  
Fred. L. Peacock, Chief  
Air Photographic Party No. 2

March 22, 1943.

Division of Photogrammetry  
Review Report of  
Shoreline Map Manuscript T-5973

Subject numbers not used in this report have been adequately covered in other parts of the descriptive report.

26. Control. -

The following triangulation stations, declared lost, have been deleted from the map manuscript:

Cuttings, Drummond, Barn, West End, 1856  
Fish House, Chimney, 1866

The following triangulation station has been added to the map manuscript:

Lithgow, (USE), 1940

28. Detailing. -

Corrections and additions, made by the reviewer, have been shown in red ink on the map manuscript. The thin light black ink line denoting reefs has been changed to a dashed line.

31. Low-Water and Shoal Lines. -

A number of low-water and shoal lines, originally shown on the map manuscript, have been deleted as they were not in agreement with Field Memorandum No. 1 (1938). ~~and~~  
~~was recommended by the hydrographer~~

33. Wharves and Shoreline Structures. -

The vertical and horizontal clearances of a bridge over Back River as tabulated in the U.S. Engineers' "List of Bridges Over Navigable Waters in the U. S." does not agree with the information shown on the map manuscript. The clearances from both sources are listed below:

Manuscript - Vertical	7.6' @ MHW	Horizontal	137'
Bridge List -Vertical	6.7' @ MHW	Horizontal	206'

35. Hydrographic Control. -

See map manuscript and Form 524 for deletion of BM "40".9".

Ten stations, presumably temporary hydrographic stations, have been shown on the manuscript in addition to the 23 listed in the descriptive report.

43. Comparison with Contemporary Hydrographic Surveys.-

H-6801	1:5,000	1942, additional work 1944
H-6802	1:5,000	1942
H-6807	1:10,000	1942, additional work 1943
H-6837	1:10,000	1943

These surveys are in good agreement with the map manuscript. Additional clearances, varying from those listed in side heading 35, are given on H-6837. They are: Vertical clearance 8.0' at MHW and Horizontal clearance 145'.  
33

44. Comparison with Existing Topographic Quadrangles.-

USGS, Bath, Maine, 15' quadrangle, surveyed 1941, Edition of 1945, scale 1:62,500.

Planimetry common to both is in good agreement with the following exceptions:

1. At approximate latitude  $43^{\circ}52'05''$  and longitude  $69^{\circ}51'55''$  an island is shown in Mill Cove that does not appear on the quadrangle.

2. At approximate latitude  $43^{\circ}50'00''$  and longitude  $69^{\circ}52'20''$  an island does not appear on the quadrangle.

3. An island off Birch Point does not appear on the quadrangle.

$43^{\circ}42.5'$   
 $69^{\circ}52.12'$

4. Numerous islands in Brigham Cove do not appear on the quadrangle.

5. No islands should appear off Indian Point on the quadrangle.

6. The shape of Ram Island in the Kennebec River on the quadrangle, disagrees with that on the map manuscript.

7. At approximate latitude  $43^{\circ}49'10''$  and longitude  $69^{\circ}47'00''$  a small peninsula is shown as an island on the quadrangle.

omit on 1204

8. At approximate latitude  $43^{\circ}49'30''$  and longitude  $69^{\circ}46'25''$ , no islands appear on the map manuscript but do on the quadrangle.

9. At approximate latitude  $43^{\circ}48'50''$  and longitude  $69^{\circ}46'50''$  no fish trap appears on the quadrangle.

omit on 1204

10. At approximate latitude  $43^{\circ}50'00''$  and longitude  $69^{\circ}51'00''$  no fish trap appears on the quadrangle.

11. At Bluff Head, no dikes are shown on the quadrangle.

12. An island in Hall Bay is joined to the mainland on the map manuscript.

13. At approximate latitudes  $43^{\circ}51'35''$  and  $43^{\circ}52'00''$  and longitude  $69^{\circ}45'45''$  two large marsh areas appear on the map manuscript, but not on the quadrangle.

14. At approximate latitude  $43^{\circ}51'30''$  and longitude  $69^{\circ}45'30''$  two old dikes are not shown on the quadrangle.

15. At approximate latitude  $43^{\circ}50'40''$  and longitude  $69^{\circ}46'00''$  the body of water off Back River disagrees in shape with the same feature as shown on the map manuscript.

16. A very small marsh on the east side of Lee Island does not appear on the quadrangle.

17. A very small marsh on the southwest side of Squirrel Point does not appear on the quadrangle.

18. At approximate latitude  $43^{\circ}51'20''$  and longitude  $69^{\circ}46'30''$  an old dike does not appear on the quadrangle. *omit on 1204*

19. At approximate latitude  $43^{\circ}52'15''$  and longitude  $69^{\circ}48'50''$  the body of water off the Kennebec River differs with the same feature as shown on the map manuscript.

20. At approximate latitude  $43^{\circ}51'00''$  and longitude  $69^{\circ}47'30''$  several marsh areas that are shown on the map manuscript do not appear on the quadrangle.

The ponds and long pond, listed as discrepancies in the original report, have been corrected on this quadrangle. The numerous cat-tail islands have not been corrected.

U.S.E. Phippsburg, Maine,  $7\frac{1}{2}'$  quadrangle, surveyed 1941, edition of 1944, scale 1:25,000.

Planimetry common to both is in good agreement with the following exceptions:

1. See item 9 of previous comparison
2. See item 10 of previous comparison
3. See item 11 of previous comparison

4. See item 14 of previous comparison
5. See item 16 of previous comparison
6. See item 17 of previous comparison
7. See item 18 of previous comparison
8. See item 20 of previous comparison
9. At approximate latitude  $43^{\circ}49'15''$  and longitude  $69^{\circ}48'10''$  a marsh area does not appear on the quadrangle.
10. At approximate latitude  $43^{\circ}52'25''$  and longitude  $69^{\circ}49'00''$  a log pond does not appear on the quadrangle.
11. A section of land adjoining Old Mill Pond is shown as fast land on the map manuscript and marsh on the quadrangle.
12. At approximate latitude  $43^{\circ}52'30''$  and longitude  $69^{\circ}49'25''$  the shoreline is in disagreement.

*Two small  
for 12.4*

T-666	1:10,000	1857-8
T-667	1:10,000	1857
T-728	1:10,000	1858-9-60
T-889	1:10,000	1862
T-982	1:10,000	1865
T-1021	1:10,000	1866
T-1129	1:10,000	1867-9

The planimetry common to these surveys and the map manuscript is in fair agreement.

T-6910 b	1:10,000	1942
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A number of rocks and reefs are shown that cannot be identified on the field inspection photographs.

T-6911 a	1:10,000	1942
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45. Comparison with Nautical Charts.-

Chart No. 230, Scale 1:15,000, First Edition 1922, Fifth Edition 1946.

The planimetry common to both is in good agreement with the following exceptions:

1. See item 11 of USGS comparison
2. See item 14 of USGS comparison
3. See item 16 of USGS comparison
4. See item 18 of USGS comparison
5. See item 20 of USGS comparison
6. The remains of an old pier in the mouth of Cutting Creek do not appear on the chart.

Chart No. 238, Scale 1:15,000, 1947.

The planimetry common to both is in good agreement with the following exceptions:

1. See item 9 of USGS comparison✓
2. See item 16 of USGS comparison✓
3. See item 17 of USGS comparison✓
4. See item 6 of Chart No. 230 comparison✓

Chart No. 314, Scale 1:40,000, First Edition 1862, *New chart Aug. 1947*  
Seventh Edition 1946 with corrections to 12/10/46.

The planimetry common to both is in good agreement with the following exceptions:

1. At approximate latitude 43°52'30" and longitude 69°45'55" a small cove is shown on the manuscript, but does not appear on the chart. *OK on 1204*

2. At approximate latitude 43°52'30" and longitude 69°45'55" a small island is shown as a small peninsula on the chart. *OK on 1204*

3. At approximate latitude 43°51'45" and longitude 69°45'50" a small island does not appear on the chart. *OK on 1204*

4. At approximate latitude 43°52'30" and longitude 69°45'05" an island is shown as a peninsula on the chart. *OK on 1204*

5. At approximate latitude 43°50'40" and longitude 69°47'55" the shoreline disagrees with that on the map manuscript. *OK on 1204*

6. See item 7, comparison with USGS quadrangle. *Both items 7 OK for 1204*

7. See item 9, comparison with USGS quadrangle.

8. The shoreline of the fresh water pond south of Phippsburg disagrees with that on the map manuscript. *OK on 1204*

9. See item 6, comparison with Chart No. 230. *add revision to chit 1204*

Chart No. 315, Scale 1:40,000, First Edition 1870.  
Thirteenth Edition, 1946, with corrections to 6/9/47.

The planimetry common to both is in good agreement with the following exceptions:

1. See item 3, comparison with USGS quadrangle. *no correction J.M.A.*
2. See item 10, comparison with USGS quadrangle. " "

The map manuscript has been applied, prior to review, to Charts 230, 238, 314, and 315.

Reviewed by:

Reviewed under direction of:

B. Thomas Hynson  
B. Thomas Hynson  
9-30-47

S. V. Griffith  
S. V. Griffith  
Chief, Review Section K.H.M.

APPROVED BY:

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K. T. Adams  
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1949

## NAUTICAL CHARTS BRANCH

SURVEY NO. 5973

Reviewed 9-30-'47

### Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
4/4/45	230	G. H. E.	Before <del>After</del> Verification and Review
4/10/43	315 (Reconst.)	JFW	Before <del>After</del> Verification and Review
6/18/45	238	G. H. E.	Before <del>After</del> Verification and Review
6/7/46	314	G. H. E.	Before <del>After</del> Verification and Review
6/9/49	315	A. F. Hegmann	<del>Before</del> After Verification and Review No change after review - Completely applied.
3-17-50	238	P. M. Andrews	<del>Before</del> After Verification and Review Fully applied.
3-17-50	230	"	<del>Before</del> After Verification and Review Fully applied.
3-17-50	314	"	<del>Before</del> After Verification and Review Fully applied.
4-20-66	1204	J. M. Albert	<del>Before</del> After Verification and Review
			Before After Verification and Review

M-216R-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.