

5985

7.6841 - 1943 7/13

Diag'd. on diag. ch. No. 1204-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photographic
(Shoreline)

Field No. Office No. T-5985

LOCALITY

State Maine

General locality Coast of Maine

Locality Sheepscot River

WISCASSET and Vicinity

1943

CHIEF OF PARTY

Fred. L. Peacock

LIBRARY & ARCHIVES

DATE

Mar 24-1948

B-1870-1 (1)

5985

DATA RECORD

T- 5985

Quadrangle (II):

Project No. (II):

Wiscasset, Maine U.S.G.S.

CS-272-B

Field Office:

Chief of Party:

U.S.C.&G.S. Bath, Maine

Henry O. Fortin

Compilation Office:

Chief of Party:

Air Photographic Party No. 2

Fred. L. Peacock

Baltimore, Md.

Instructions dated (II III):

Copy filed in Descriptive

January 12, April 1, 1942

~~Report No. T-~~ (VI)

Div. Photogram. Office Files

Completed survey received in office: 6 May 1943

Reported to Nautical Chart Section:

Reviewed: 9 Jan. 1945

Applied to chart No. 314

22 Feb. 1945

Date: 6 Sept. 1946

Redrafting Completed: 6 Oct. 1947

Registered: 73 Jan. 1948

Published: Shoreline (Vault copy)

Compilation Scale: 1:9670

~~Published Scale:~~

Scale Factor (III): 1:03413

Geographic Datum (III): N.A. 1927

Datum Plane (III): Mean Sea Level

Reference Station (III): Wiscasset, 1934, r.1942

Lat.: 44° 00' 31.43" 970.2m

Long.: 69° 40' 15.53" 346.0m

Field Computation
 unadjusted
 adjusted 1/1/46
 unadjusted 1/1/46

State Plane Coordinates (VI):

X = 630, 415.08

Y = 428, 806.90

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
6823 & 6824	10/17/41	1:30-1:31p.m.	1:10,000	0.4' above M. L. W.
6825 & 6826	10/17/41	1:35-1:36p.m.	1:10,000	0.4' above M. L. W.
7018 to 7021	10/20/41	9:05-9:06a.m.	1:10,000	9.8' above M. L. W.

Tide from (III): Portland, Maine, with time and tide correction to Wiscasset,
Sheepscot River, Maine
Mean Range: 9.4' Spring Range: 10.7'

Camera: (Kind or source) U. S. Coast & Geodetic Survey Nine lens camera
(focal length $8\frac{1}{4}$ ") all negatives are on file in the Washington Office.

Field Inspection by: Lieut. Henry O. Fortin date: Fall, 1942

Field Edit by: date:

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

October 17, 20, 1941

Projection and Grids ruled by (III) Washington Office date: 2/18/43

" " " checked by: John C. O'Neil Washington Office date: 2/18/43
John C. O'Neil

Control plotted by: Walter E. Schmidt date: 2/20/43

Control checked by: Louise C. Painter date: 2/43

Radial Plot by: Walter E. Schmidt date: 2/43

Detailed by: Harold R. Brooks (Shoreline) date: 4/9-14/43
(Rough Draft) 4/19-24/43

Reviewed in compilation office by: Carl W. A. Supp date: 5/1/43

Elevations on Field Edit Sheet
checked by: date:

STATISTICS (III)

Land Area (Sq. Statute Miles):

Shoreline (More than 200 meters to opposite shore): 7.0 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 1.9 Statute Miles
(Measured along centerline)

Number of Recoverable Topographic Stations established:

1

Number of Temporary Hydrographic Stations located by radial
plot:

39

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 eight U. S. C. & G. S. triangulation stations, and twenty-two U. S. G. S. primary traverse stations. The stations shown by a black acid ink triangle have been plotted. Those shown by a red acid ink triangle have been transferred from map drawings immediately adjoining.

The following control stations are within the detail limits of this map drawing:

Seven U. S. C. & G. S. Triangulation Stations

- ✓ Cochran, 1934, r.1942
- ✓ Dunhams Hill, 1857
- + Wiscasset, 1934, r.1942
- + Wiscasset Powder Magazine, 1813, 1934, r.1942
- + Wiscasset Brown Spire, 1857, 1934, r.1942
- ✓ Wiscasset White Spire, (Cong.), 1934, r.1942
- ✓ Wiscasset Yellow House Chimney on high ground, north, 1857

Seven U. S. G. S. Primary Traverse Stations

- No. 2138+X -
- No. 2140A -TT- 75-Ho 1940
- No. 2141+X -
- No. 2144++X -
- No. 2154 X -
- No. 2160 X -
- No. 2163+X

The following control stations fall just outside the detail limits of this map drawing:

One U. S. C. & G. S. Triangulation Station

Blair, 1868

Fifteen U. S. G. S. Primary Traverse Stations

- No. 2127 X
- No. 2128+X
- No. 2136+X
- No. 2142+✓
- No. 2144+✓
- No. 2165
- No. 2217
- No. 2224+
- No. 2233
- No. 2236A
- No. 2238
- No. 2240
- No. 2243
- No. 2244+
- No. 2245A

27 RADIAL PLOT:

(NB) A special report of the radial plots for map drawings Nos. T-5985 to T-5994 inclusive will be submitted with the compiler's report for Map Drawing No. T-5986.

Secondary points, established by the radial plots, have been circumscribed by small double purple or double green ink circles. The double purple ink circles indicate points whose positions are considered relatively strong with respect to the basic control. The double green ink circles indicate positions of points considered relatively weak with respect to the basic control.

28 DETAILING:

The shoreline and immediate adjacent culture has been detailed on this map drawing in accordance with the Director's letters dated January 12, 1942, and April 1, 1942 pertaining to this Project No. CS-272-B.

All detail on this map drawing has been shown by standard symbols recommended by the Washington Office and notes fully describing any deviations therefrom appear on the overlay sheet in order that this map drawing may be clearly interpreted by those concerned.

The field inspection party did not submit any data to assist the compiler in identifying bluffs along the shoreline. Therefore, they were detailed according to stereoscopic examination of the office photographs. Since the character of the bluffs, whether rock or soil, could not be ascertained satisfactorily by stereoscopic examination, the dirt bluff symbol was used throughout.

The flight of high water photographs along the eastern portion of the area covered by this map drawing was used to supplement the field inspection of shoreline on photographs of the adjacent low water flight to the west. The configuration of shoreline as it appeared in the outer areas of the high water photographs was studied and used as a guide in tracing the high water line on the low water photographs before detailing from the latter.

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.

31 LOW WATER AND SHOAL LINES:

Approximate limits of rock ledge have been shown by a dashed light-weight black acid ink line. Mud and shell areas have been shown by a dotted black-acid ink line. Notes have been added on the overlay sheet to assist in identifying these areas.

32 DETAILS OFF SHORE FROM HIGH WATER LINE:

Rocks, old piling areas, piers of an old abandoned railroad bridge etc. have been detailed on this map drawing in accordance with the field inspection data. The extent to which rocks bare at M. H. W. has been shown by notes on the overlay sheet. *Put on map manuscript during review*

33 WHARVES AND SHORELINE STRUCTURES:

Piers, cribbing etc. were detailed on this map drawing and notes describing important features appear on the overlay sheet. *Put on map manuscript during review*

35 HYDROGRAPHIC CONTROL:

The positions of one recoverable topographic station and 39 temporary hydrographic stations have been established by radial intersection and have been indicated by 2 $\frac{1}{2}$ mm and 1 $\frac{1}{2}$ mm black acid ink circles respectively. A tabulation of the descriptions of these stations appears on the overlay sheet. The description and geographic position of the recoverable topographic station No. 631 has been submitted on Form No. 524. 1631

37 JUNCTIONS:

Map drawing, No. T-5986 - To the South - Junction in agreement.

Map Drawing, No. T-5976 - To the West - No Junction possible at this date

Map Drawing, No. T-5994 - To the East - *The Junction was adjusted at the time of Registration.* ~~No Junction possible at this date~~

Map Drawing, No. T-5984 - To the North - No Junction possible at this date

38 CABLE CROSSING AREAS:

The cable crossing area shown on this map drawing by parallel dashed red acid ink lines was detailed in accordance with the submitted field inspection data, which located the area only approximately.

39 RECOMMENDATIONS FOR FUTURE SURVEYS:

This map drawing is believed to be complete in all details of importance for charting and no other survey is required.

It is believed that the probable error in the positions of radial points and well-defined objects along the shoreline, is not greater than 1.0mm. The error in the positions of inland radial points and details of importance probably does not exceed 1.5mm.

40 BRIDGES OVER NAVIGABLE WATERS:

Four bridges and two railroad trestles have been shown on this map drawing.

40 BRIDGES OVER NAVIGABLE WATERS: (cont'd)

All necessary data pertaining to these bridges and railroad trestles have been shown on the overlay sheet. For purposes of comparison, additional data taken from "List of Bridges Over Navigable Waters of the United States", 1935, have been tabulated under the title of the map drawing.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Wiscasset Quadrangle, U. S. G. S., Scale 1:62,500, edition 1893, reprinted, 1942.

Due to difference in scale between this map drawing and the above mentioned quadrangle, planimetry could not be satisfactorily compared in full detail.

However, the highway bridge east of Davis Island, detailed on this map drawing, across Cod Cove is not shown on the quadrangle.

45 COMPARISON WITH NAUTICAL CHARTS:

Chart No. 314 - Scale 1:40,000 - dated Feb., 1935.

Chart No. 1204 - Scale 1:80,000 - dated March, 1942.

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

Respectfully submitted,

Harold R. Brooks
Harold R. Brooks
Senior Engineering Aid

Compilation & Descriptive
Report Reviewed by,

Carl W. A. Supp
Carl W. A. Supp
Asst. Photogrammetric Eng.

Compilation & Descriptive
Report Supervised by,

Walter E. Schmidt
Walter E. Schmidt
Asst. Photogrammetric Eng.

Approved & Forwarded,
May 4, 1943

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

Review Report
Shoreline Map Manuscript T-5985
Sheepscot River, Me.

Subjects not used in this report have been adequately covered in the Descriptive Report, or are inapplicable.

28. Detailing.--(Corrections and additions to the map manuscript, during review, have been shown in red).

Descriptions and numbers of temporary hydrographic stations, geographic names, and special notes were transferred to the map manuscript from an overlay sheet. The overlay was then destroyed.

40. Bridges.--Three bridges are located in the map area:

Maine State Hwy. Comm.	Wiscasset
Maine Centrol RR Co.	Wiscasset
Maine State Hwy. Comm.	Cod Cove, east of Davis Island

Field inspection information on these bridges is not in agreement with Bridge List. Clearances are indicated on the map manuscript in red.

43. Comparison with Contemporary Hydrographic Surveys.--

H-6841	1943	1:10,000
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44. Comparison with Topographic Surveys.--

T-845	1859	1:10,000
U.S.G.S. Wiscasset 15'	ed 1944	1:62,500

T-5985 supersedes the common features of both these maps in their common areas.

45. Comparison with Nautical Charts.--

314	1935	1:40,000	1204	Mar. 1942	1:80,000
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T-5985 had not been applied to the charts at the time of this review.

Reviewed by:

Reviewed under direction of:

H. W. Thune
Photogrammetrist

Ralph Moore Berry
Ralph Moore Berry
Chief, Review Section

APPROVED:

B. J. Jones 2/48

Technical Assistant to the
Chief, Div. of Photogrammetry

H. C. Fitterling

Chief, Nautical Chart Branch
Division of Charts

K. T. Adams

Chief, Div. of Photogrammetry

C. J. Green

Chief, Div. of Coastal Surveys

LIST OF GEOGRAPHIC NAMES

Undisputed

- Cod Cove ✓
- Clark Point ✓
- Davis Island ✓
- Sheepscot River ✓
- Wiscasset

- U.S. No. 1
- Maine Central
- State 27
- State 218
- Montsweag Creek
- Neguaset Brook
- Gardiner Pond

REFER TO No.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LETTER TRANSMITTING FIELD RECORDS

1944 NOV 25 10:00

Norfolk, Va.

Nov. 22, 1944

To: The Director, U. S. Coast and Geodetic Survey, Washington, D. C.

From: Paul C. Whitney, C. and G. Survey, Chief of Party.

Subject: Records.

Records as listed below were forwarded to you by Registered Mail
(Ordinary mail, registered mail, air mail.)

ON Nov. 22, 1944
express, G. B. L. (give number) (Date records were forwarded)

(NOTE.—A separate copy of this form is to be used for each of different kinds of records, as tidal data, seismology, geomagnetism, etc. If this form covers the transmission of more than one package of a particular kind of record the form is to carry a statement of the number of packages and an executed copy of the form is to be included in each package.)

Pkg. No. 36 - Tube
47

1 Acetate topo map T-5985 (For use on H-6841)

Scale 1-10,000
enclosed in jacket

Graph Control?

Received the above:

Paul C. Whitney C. and G. Survey, Chief of Party.

Chief Clerk, Coast and Geodetic Survey.

This form and one copy should be sent to the office. The copy will then be returned as a receipt. This form should not be used for correspondence.