

8643

Diag'd. on Diag. Ch. No. 1202

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. CS-272-F Office No. T-8643

LOCALITY

State Maine

General locality Eastern Maine

Locality Stauben Harbor & Narraguagus
River

1944-'48

CHIEF OF PARTY

D.E. Sturmer

LIBRARY & ARCHIVES

DATE June 2 - 1949

B-1870-1 (1)

8643

DATA RECORD

T-8643

Quadrangle (II): Cherryfield, Maine

Project No. (II): CS-272-F

Field Office: Millbridge, Maine

Chief of Party: Dale E. Sturmer

Compilation Office: Baltimore, Md. Chief of Party: Thos. B. Reed.

Instructions dated (II III):
June 19, 1945Division of Photogrammetry
Office Files
Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: 3-21-49

Reported to Nautical Chart Section:

Reviewed: 4-21-49

Applied to chart No.

Date:

Redrafting Completed:

Registered: 5-26-49

Published:

Compilation Scale: 1:10,000 (Multiplex) Published Scale: 1:24,000
Scale 1:8500)

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927

Datum Plane (III): Mean Sea Level

Reference Station (III): BURKE, 1856

Lat.:
44° 35' 55.235Long.:
67° 58' 30.102"Adjusted
~~Unadjusted~~

State Plane Coordinates (VI):

X =

Y =

Military Grid Zone (VI)

65

1944 & 1946

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
44-C-810-816	5-16-44	0945	1:20,000	1.8 above MLW
44-C-830-835	5-16-44	1000	1:20,000	1.7 above MLW
44-C-844-851	5-16-44	1015	1:20,000	1.1 above MLW
46-C-580-587	5-30-46	855	1:20,000	10.6 above MLW

Tide from (III): Millbridge, Narragagus Bay. Reference Station: Eastport, Me.

Mean Range: 11.3 Spring Range: 12.9

Camera: (Kind or source)
U.S.C. & G.S. "C" 6" Metrogon Lens

Field Inspection by: date:
Michael G. Misulia, Irvin Zirpel, Jr. July-Nov. 1945.

Field Edit by: S. J. Hathorn date: Sept 3, 1948

Date of Mean High-Water Line Location (III): July-Nov. 1945

Projection and Grids ruled by (III) S. Rose date: 12-29-45

" " " checked by: S. Rose date: 12-29-45

Control plotted by: R.J.F., B. Wilson date: Nov. 1946

Control checked by: N.S.S., B. Wilson, H.P. Eichert date: Nov. 1946

Radial Plot by: Nohe, bridged with multiplex date: Feb. 1947

Multiplex Detailed by: A.C. Rauck, Jr. and Edwin L. Bauman date: April, May, 1947
Tracing and shoreline detail by: M.T. Jacob and A.C. Rauck, Jr. Jan. 1948 and May 1948

Reviewed in compilation office by: date:
H.P. Eichert and A. C. Rauck, Jr. Jan. 1948, May 1948

manuscript
Elevations on ~~Field Edit~~ Sheet
checked by: H.P. Eichert and A.C. Rauck, Jr. date:
Jan. 1948, May 1948

STATISTICS (III)

Land Area (Sq. Statute Miles): 52

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

Shoreline (Less than 200 meters to opposite shore): 6 statute miles

Number of Recoverable Topographic Stations established: 6

Number of Temporary Hydrographic Stations located by radial plot: 62

Leveling (^{multiplex models}~~horizontal contours~~) - miles: See Descriptive and Season's Report,
Project CS-272-F, Dec. 26, 1945, Dale E. Sturmer
Filed in Div. of Photogrammetry - General Files

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:

FIELD REPORT

TOPOGRAPHIC MANUSCRIPT, SURVEY NO. T-8643

No individual field report was written for this survey. Refer to Descriptive and Seasons Report, Project CS-272-F, Coast of Maine, July-November 1945, December 26, 1945.

Filed in Div. of Photogrammetry - General Files

COMPILATION REPORT

TOPOGRAPHIC MANUSCRIPT - SURVEY NO. T-8643

26. CONTROL

A list of horizontal control used in this survey is herewith attached.

Control was adequate and a more detailed description will be found in Compilation Report, Project CS-272, Coast of Maine, dated December 1, 1947. Filed in Div. of Photogrammetry - General Files.

27. RADIAL PLOT

Inapplicable.

28. DETAILING

The compilation of the $\frac{N}{2}$ of this map manuscript was begun prior to the issue of Photogrammetry Instruction No. 17, dated September 15, 1947. Inasmuch as the new standards of weights of lines, colors of inks, and symbols were not used on the $\frac{N}{2}$, the old standards were used in compiling the $\frac{S}{2}$ of the manuscript.

The only exception is that the colors of inks used for boundaries and tree lines are different on the two halves of the manuscript.

29. SUPPLEMENTAL DATA

None.

30. MEAN HIGH WATER LINE

The field interpretation of mean high water line was verified by stereoscopic means.

Refer to "Shoreline and Hydrographic Station Location" Compilation Report, Project CS-272-F, Coast of Maine, dated Dec. 26, 1947, for a detailed method of compilation. Filed in Div. of Photogrammetry - General Files

31. LOW WATER AND SHOAL LINES

No low water lines are shown on the manuscript. Shoal or mud lines are the compilers interpretation. See Review Report for T 8647

32. DETAILS OFFSHORE FROM THE HIGH WATER LINE

Offshore detail such as ship hulks, rocks, piling, fences, fish traps

32. DETAILS OFFSHORE FROM THE HIGH WATER LINE
(Continued)

wharfs and pier ruins are shown and noted on the manuscript.

33. WHARVES AND SHORELINE STRUCTURES

All wharves and shoreline structures have been shown. Refer to "Piers and Wharves" Notes for the Hydrographic Parties on the Field Inspection of Aerial Photographs, Jan. 25, 1946.

35. LANDMARKS AND AIDS TO NAVIGATION

There are no aids to navigation within this survey. Only one landmark lies within the survey. This is also triangulation station MILLBRIDGE CHURCH NO. 1 (CONGREGATIONAL), 1861.

No new landmarks or aids to navigation were recommended for charting.
See Review Report

35. HYDROGRAPHIC CONTROL

Refer to Compilation Report, Project CS-272-F, December 1947.

A few photo-hydro points could not be identified well enough in the multiplex models to be accurately plotted. These were radially resected, and if results were not adequate, they were rejected.

Rejected photo-hydro stations are: 1379, 1395, 1260. A descriptive list of photo-hydro stations shown on the manuscript with their reference numbers is attached.

36. LANDING FIELDS AND AERONAUTICAL AIDS

None.

37. JUNCTIONS

Junctions were completed with the following:

To the east with manuscript for Survey T-8644. HAZELTON

To the south with manuscript for Survey T-8647 P. MANAN

To the north is the north half of the Cherryfield quadrangle and to the west is the Tunk Lake quadrangle, Both are U.S. Geological Survey quadrangles.

No attempt was made to junction with these quadrangles as large discrepancies were found. However, their respective junctions have been shown on the discrepancy overlay for this manuscript.

Vertical Accuracy tests along the junctions have proven the map manuscript is within the required accuracy. See Field Edit & Review Reports.

38. GEOGRAPHIC NAMES *Approved list filed in Geographic Names Section.*

No geographic name survey was made for this manuscript. Names on the manuscript were compiled from U. S. Coast and Geodetic Survey Chart No. 305 published 1931, revised 1946; and U. S. Geological Survey Cherryfield Quadrangle, revised by the Army Map Service, 1942.

A list of geographic names accompanies this report.

39. BOUNDARIES

Examination of Special Report, Boundaries, Maine, Project CS-272-F, July 1946, by Harold A. Duffy, revealed that no boundary survey was made at that time within this survey.

However, some boundary work was accomplished under the direction of Chief of Sub-party, Dale E. Sturmer, during the 1945 field inspection season.

Refer to "Boundary Monuments and Lines" Descriptive and Seasons Report, Project CS-272-F, Coast of Maine, dated December 26, 1945, Dale E. Sturmer. Filed in Div. of Photogrammetry - General Files.

Boundary information furnished by the field party was plotted on the manuscript, and all omissions and discrepancies are noted on the discrepancy overlay. These should be completed by the field edit party.

40. VERTICAL CONTROL

Refer to "Vertical Control" Compilation Report for this project by Stanley W. Trow. Filed in Div. of Photogrammetry - General Files.

Multiplex model 44-C-816-817 showed a definite hump or warped area near the center of the model. This model was horizontalized holding seven or eight vertical control points on the outside overlap areas while vertical control near the center read 8 to 11 feet high. The contours of this area should be checked for vertical accuracy.

Model 44-C-845-846 could not be contoured due to inability to horizontalize on given vertical control.

There is probable error in several vertical control points in this area.

The field edit party should check vertical control points CH-19 and Ch-20, as these cannot be held when all other vertical control points in models 44-C-845-846, and 44-C-846-847 are held. When the models were satisfactorily horizontalized on points not questionable, it was found that Ch-19 read minus 20 feet and Ch-20 read plus 28 feet; an aggregate error between models of approximately 48 feet.

See Field Edit Reports Review Report. All discrepancies mentioned in Paragraph 40 were checked during Field Edit and areas that could not be contoured by multiplex were contoured in the field.

40. VERTICAL CONTROL
(Continued)

It is recommended that if this amount of error cannot be detected in the field check, the area be contoured in the field. If an error is found in these vertical control points the model can be reset and contoured at a future date.

One other vertical control point, Ch-43, in model 44-C-845-846 could not be held by minus 34 feet. Considering the many bench marks and other vertical control in the vicinity that could be held it is probable that this also is in error and should be field checked.

With the exception of the above stated discrepancies in vertical control, it is believed that the vertical accuracy of topography on this manuscript is within the limit of error defined in 1942 under War Mapping Project CS-290.

Numerous spot elevations, determined by multiplex methods are shown on the manuscript with brown crosses and black underlined numbers. These represent well defined and less well defined points of detail as per instructions dated September 18, 1946; i.e. Spot Elevations. All elevations were symbolized in accordance with latest instructions during review.

Inasmuch as the field inspection party established only enough elevations by ground methods to facilitate the multiplex work, it is believed advisable to supplement these by adding the multiplex spot elevations to the manuscript. They may be deleted or not, at the discretion of the Washington Office. Multiplex elevations were retained on the map manuscript.

41. REMARKS

Disagreements and omissions are noted on the discrepancy overlay for this manuscript.

Road objectives are shown as per Photogrammetry Instructions No. 17 September 15, 1947.

The planimetric and hydrographic features represented on this manuscript are believed to be within the accuracy limitations as specified under War Mapping Project CS-290, dated Nov. 16, 1942.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

Comparison was made with the U. S. Geological Survey Cherryfield quadrangle, revised in 1942 by the Army Map Service.

Since this quadrangle is of recent revision, little change was noted in the cultural features thereon.

Several dams in the Narraguagus River at Cherryfield have since been ruined.

At the mouth of Tunk Stream at Steuben there is a rock dam which is

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

not shown on the Cherryfield quadrangle.

At Millbridge are several long piers which are now in a state of ruin. Of these, only one is shown on the Cherryfield quadrangle.

The topography insofar as general shapes are concerned, is in poor agreement.

45. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with U. S. Coast and Geodetic Survey Chart No. 305, published in 1931, revised 1946.

An enlarged, vertically projected image was used for comparison and the following differences in placement of shoreline were noted:

At Millbridge, just southeast of the highway bridge the shoreline has receded from its charted position approximately 30 meters.

On the north shore of Joy Cove, both shores of Bakers Cove, and the east shore of Bakers Point, the recession of the shoreline on the chart indicates a probable difference in the interpretation of the high water line due to marsh areas.

The largest change in placement of shoreline is at the mouth of Tunk Stream. The charted position of this stream is displaced to the west approximately 40 meters.

Upon completion of hydrography, the shoreline detail of this manuscript should supersede all previous charted data within the area of this survey.

Respectfully submitted
June 1948

Albert C. Rauck, Jr.

Albert C. Rauck, Jr.
Engineering Draftsman
Descriptive Report and
Review of $\frac{S}{2}$

Mildred T. Jacob

Mildred T. Jacob
Engineering Draftsman
Compiler of $\frac{S}{2}$

Henry P. Eichert

Henry P. Eichert, Photogrammetrist
Review of $\frac{N}{2}$

Albert C. Rauck, Jr.

Albert C. Rauck, Jr.
Engineering Draftsman
Compiler of $\frac{N}{2}$

Stanley W. Trow

Stanley W. Trow
Supervisor

Approved and Forwarded
14 June 1948

Thos. B. Reed

Thos. B. Reed
Officer in Charge
Baltimore Photogrammetric Office

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NON-FLOATING AIDS OR LANDMARKS FOR CHARTS

**TO BE CHARTED
4/15/84/84/PL**

STRIKE OUT ONE

Washington, D. C.

April 11 1949

I recommend that the following objects which have ~~(been inspected from seaward to determine their value as landmarks be~~ charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by

S. A. GILBERT

[illegible]

LIST OF GEOGRAPHIC NAMES

- Baker Cove * ✓
- Baker Point * ✓
- Beaver Meadow Brook ✓
- Burke Hill ✓
- Cherryfield * ✓
- Cherryfield (Township) ✓
- East Branch * ✓
- East Steuben ✓
- Hancock County ✓
- Joy Cove * ✓
- Maine Central RR ✓
- Millbridge * ✓
- Millbridge (Township) ✓
- Narraguagus River * ✓
- Smithville ✓
- Steuben * ✓
- Steuben (Township) ✓
- Steuben Harbor * ✓
- The Crotch * ✓
- Tunk Stream ✓
- Unionville ✓
- Washington County ✓
- West Branch * ✓
- Evergreen Cemetery -

Names preceded by .
are approved. 7/14/48
L. Heck

* Taken from U. S. Coast and Geodetic Survey Chart 305. All other names from U. S. Geological Survey Cherryfield Quad.

Plus: ✓ Whitten Parrotth Stream (N, trib. Joy Cove)
(on Hancock Co. Highway
Map, #3)

- ✓ U.S. No. 1
- ✓ U.S. No. 1A
- ✓ State No. 182
- ✓ " - 193

+ Halfway : there is a settlement
or locality of this name
west of Cherryfield
(on Washington Co. Highway
map not now in file)

NOTES TO HYDROGRAPHER

FOR

SURVEY NO. T-8643

Insofar as the office compilation and review of this manuscript are concerned there are not notes to hydrographer. The following is a list of descriptions of photo-hydro stations with reference numbers:

Signal No.	Description	Photo. No.	Height above MHW
1256	About 15' spruce, unblazed, about 2 meters west of 40' spruce. Stands on third small wooden point NE of open field.	851	1'
1257	East gable of 1½ story unpainted boat house about 15 meters west of MHWL. Front door on east side. Trees on south side and brush and grass on north side.	851	16'
1259	20' unblazed spruce about 20 meters east of MHWL. Southernmost in line of large evergreens. Line N. and S. along shore.	851	3'
1261	50' unblazed pine tree about 10 meters north of MHWL. Largest white pine in sight. At north end of small cove.	851	4'
1262	Westernmost of two spruce about 13' high about 12 meters south of head of stream and MHWL. Stands on bottom of bank between marsh grass and fast land.	851	3'
1263	15' unblazed spruce 1 meter east of MHWL on west bank of projecting tip of land about 10 meters north of rock covered tip of land.	851	2'
1264	15' spruce tree on point on 6' bank. There is a juniper tree 10 meters northeast of spruce.	851	9'
1265	Lone 25' spruce tree on edge of bank on edge of marsh.	851	3'
1266	Large brown boulder bares 2' at MHW. About 35 m NE of point. There is another large gray boulder on point.	851	2'
1268	Lone 15' spruce tree on side of bank just south of gravel pit.	851	7'

Signal No.	Description	Photo. No.	Height above MHW MHW
1380	SW gable of one story red building on pier. Building has red brick chimney on north side of building. There are 3 air vents along top of ridge.	798	20'
1381	Northeast tip of grass having a small 4' bush on it. In center of a 25' sand dirt bluff. There is a dead tree 5 meters northeast of station and leaning in a northeasterly direction.	798	10'
1387	South gable of middle building in lumber mill. Red brick chimney about 3 meters east of station and $\frac{1}{2}$ meter north of end of building. One story addition to the northeast and one to the southeast. Large piles of sawdust to the east of all buildings.	815	35'
1388	Northernmost of two gray storage tanks 20' high and 15' in diameter. In metal fenced enclosure about 30 meters northwest of MHWL. Stationary ladder on the E-SE side.	815	35'
1389	30' spruce on edge of 5' bank. There is a broad deciduous tree 5 meters east of spruce and another evergreen 5 meters west of spruce.	815	8'
1389A	East gable of large fish house on the west side of stream.	815	25'
1390	South gable of most easterly section of 2 story white frame house. There are two red chimneys on each of the other sections.	815	35'
1391	About 6' brown boulder about 17 meters northeast of MHWL. Largest boulder in vicinity. About 21 meters northeast of foot of 10' dirt bluff.	815	4'
1394	About 30' spruce 8 meters east of inshore end of pier on east edge of clearing about 18 meters SE of double spruce on opposite side of clearing. 2 meters north of north edge of marsh grass.	815	4'
2699	40' double birch tree on west side of river. 5' above MHWL. Just west of south tip of brush island. 10m. east of center of road. 3 m. west of MHWL.	836	
2700	Gray chimney on two story frame house. 30' above MHWL. House has 2 bay windows on southwest side, and 2 other sections to the east. Chimney is about 5' east of west gable.	836	

Signal Description No.	Photo. No.	Height above MLW
2701 Red shingled steeple on east side of yellow frame green trimmed church. 45' above MHWL. Steeple is in center of small extension on east side of church.	836	
2702 Red brick chimney on northwest side of 3 story yellow frame, green trimmed building. 35' above MHWL. Chimney is about 5' north of ridge and 5' east of west gable.	836	
2704 50' double spruce tree on edge of grassy bank on NW side of road. 60' above MHWL. Largest and highest spruce in vicinity.	836	
2705 Red brick chimney with a cover on it, on two story white framehouse. 35' above MHWL. 2 m. north of south gable. There is another chimney on north side of house.	836	
2706 40' prominent, bushy spruce tree in large clearing on south side of marshy cove. 2' above MHWL. There are two gray one story shacks to the northwest.	836	
2707 30' spruce tree. 2' above MHWL. Tallest spruce on northeast corner of woods. Clearing to the north. Leaning 20' ^{dead} spruce 5 m. south of signal station.	835	
2708 Tallest of a group of three spruces. 5' above MHWL. In line with an east and west row of spruces.	835	
2709 25' spruce tree on north side of marshy cove which is flooded at MHW. On southwest side of brush line. There is an 18' spruce 10 m. to the northwest.	835	
2710 Most southerly of 2 tall spruce trees on edge of 10' earth bank. 10' above MHWL. There is a 15' leaning spruce 13 m to the southwest at base of bank, in front of which is a dead tree, just offshore from the MHWL.	835	
2711 30' pine tree on northwest side of flooded marsh area, on southeast side of woods line. Directly across river from 2 tall spruces, the southerly of which is signal site 2710.	835	
2712 30' spruce tree on south side of small clearing. 2' above MHWL. Most northeasterly spruce on edge of woods line. Tree is crooked near top.	812	
2713 30' spruce tree 6' above MHWL. Northerly of 2 spruces. A group of 3 juniper trees and a double birch tree to the south.	812	

Signal No.	Description	Photo. No.	Height above MHWL
2714	40' bushy spruce tree 3' above MHWL. Most northerly of 2 spruce on east side of road. In clearing on south side of small stream in marsh.	812	
2715	30' pine tree. 3' above MHWL. About 25 m. south of point of land on tree line, and about 25 m. NW of a group of spruces.	812	
2716	40' spruce tree. 20' above MHWL. Most northerly of a group of 4 spruces. On east side of road in clearing.	812	
2717	25' pine tree, 10' above MHWL. On edge of 10' bank. Most westerly of a group of pines. A small shack and 15' pine 10 m to the south.	812	
2718	30' prominent bushy spruce tree. 2' above MHWL. Spruce is on fence line in clearing. A leaning spruce about 30 m to the north.	812	
2720	30' spruce tree. 2' above MHWL. On back edge of marsh in center of marshy cove, and about 50 m. NW of entrance to small stream in marsh. There is a group of small bushy trees just to the south.	812	
2721	20' spruce tree. 3' above MHWL. About 10 m. south of wood fence line on edge of tree line. A large clearing to the north.	812	
2722	20' bushy topped lone pine tree. 3' above MHWL. At back limits of marsh. About 5 m. east of brush line. Directly in line with fence line on opposite shore.	812	
2723	15' spruce tree. 3' above MHWL. On north side of a 5' earth bank in clearing. There is a 20' deciduous tree 1' to the south, and a dead birch 5 m to the north.	812	
2724	40' pine tree. 5' above MHWL. Most northwesterly of a group of pines. At the back limits of marsh. There is a 10' deciduous tree about 10 m. to the southwest.	813	
2725	35' bushy pine tree. 2' above MHWL. On edge of brush line. There are 2 juniper trees to the south.	813	

Signal No.	Description	Photo. No.	Height above MHW MHW
2740	Red brick chimney in center of 1½ story brown shingled house with white trim. There is a barn on the N. side. This barn was added after the date of the photo.	814	25'
2741	30 foot bushy spruce tree on the rounding point of land on east side of a group of trees. The largest tree in the group.	814	22'
2742	20' pointed spruce on the SE corner of wooded area. Small clearing to the south. Blazed on the east side.	814	2'
2743	30' spruce most northeastern in a line of spruces. There are 3 junipers and a birch to the Northeast. Clearing on both sides of spruce.	814	10'
2744	20' spruce at base of 8' bank. Tree has few branches on the top half. Spruce is about 20 meters south of bridge. Top half of trunk is crooked.	814	1'
2827	3' light gray boulder. 3' above MHWL. On north side of a large marsh area, and south side of a smaller marsh area. 4 m. west of a deciduous tree. Largest boulder in vicinity.	813	

82.

Signal No.	Description	Photo. No.	Height above MHW MHW
2726	Lone 25' spruce tree at base of 15' earth bank. There is a lone deciduous tree about 25 meters to the northwest.	813	3'
2728	20' bushy pine most southerly of a group of trees on north side of clearing and just south of point of land.	813	3'
2729	15' pointed spruce with no branches on lower half of tree. Most northerly of a group of trees on hill. There is another spruce just south of station.	814	20'
2730	12' spruce in marshy clearing just south of a small stream in marsh. Most northeasterly spruce on south side of stream.	814	4'
2731	Most northerly of 3 large spruces just south of a rounding point of land. There is a large brown boulder on MHWL just offshore from spruce. Blazed on east side.	814	
2732	South gable of most southerly section of 3 section house. There are 2 chimneys on most northerly section which is red frame with white trim. Center section is one story. Southerly section is unpainted dark shingle.	814	25'
2733	30' juniper on point of land. There is a 15' spruce tree 1 meter north of juniper on edge of brushline.	814	2'
2735	Southwest gable of a dark shingled barn just northwest of a two story yellow frame house that has red brick chimneys. There are large deciduous trees in front.	814	35'
2736	20' spruce tree most southerly spruce in a group just north of a small clearing on the edge of a 4' bank. There is an 18' spruce 1 meter to the NE.	814	3'
2737	South chimney of two story grey frame white trim house. Chimney is 1 meter south of south gable. There is another chimney 1 meter south of north gable.	814	40'
2738	20' spruce at base of 12' grassy bank 10 meters east of tall juniper and 12 meters south of 2 tall pines. Blazed on the east side.	814	40'2'
2739	Brick chimney in center of 1½ story unpainted shingled house. There are two shingled shacks to the southwest. Long window in upper half of house on the SW side.	814	30' 43

FIELD EDIT REPORT

PROJECT CS 272 F

QUADRANGLE T-8643

Riley J. Sipe, Chief of Party

Field edit of T-8643 was accomplished in accordance with Field Edit Instructions, dated 24 August 1945, and Supplement I, dated 4 February 1946. Actual field work was completed during the period 29 July to 3 September 1948 by Charles T. Theurer, Photogrammetrist, Stanley J. Mathorn, Photogrammetrist, and Donald G. Flipppo, Photogrammetric Aide. All work was under the general supervision of George E. Varnadoe, Topographic Engineer. (See field edit sheets for breakdown of work by individuals.)

46. Methods: Field edit was accomplished by riding out all passable roads; and walking to other areas in which the reviewer requested information, or where the field editor suspected a weakness in the compilation. Plane table and tape methods were used to locate corrections and additions not shown on the photographs. Red ink was used to show trig, level elevations, corrections, and additions; green ink for deletions; and violet ink for contours and vertical accuracy tests.

The reviewer's questions were answered on the discrepancy print whenever possible. Other work was shown on the photographs or field edit sheet. All work shown on the photographs is properly referenced along with the photograph number on the discrepancy print or the field edit sheet. Two field edit sheets (No. 1 & No. 2) are submitted for each half of the quadrangle.

47. Adequacy of Compilation: The map compilation is believed to be adequate with the exception of delineation in woodland cover (See Field Edit Report for T-8641, par. 47(1) and subparagraph below), contours in the north half (See par. 48), and for certain minor items corrected by the field editors.

Only woodland cover along the roads and in other areas visited by the field editors was reclassified in accordance with Photogrammetry Instructions No. 15, dated 16 July 1947. Therefore, it will be necessary for the compiler to review the entire sheet to be sure that all original errors in the classification are corrected. See Review Report.

48. Accuracy Tests: T-8643(S/2) - The two vertical accuracy tests requested along the west junction of the sheet were run by plane table with results that showed that the contours are within the allowable accuracy limits for displacement and that the expression is good. The contours were corrected to agree with the traverse elevations.

A vertical accuracy check was run between BM K 69 and L 69 to check a multiplex elevation (check of Elev. requested by reviewer), and that elevation along with two other multiplex elevations were found to be out 5-14 feet. However, the contour positions and expression along the traverse were found to be very accurate.

Another vertical accuracy check was run in the SE corner of the sheet to check a trig. level elevation that did not agree with the multiplex contour. The multiplex contour was found to be very good. The exact point pricked on the photograph could not be reidentified. However, the pricked point on field photo. 815 (1:20,000) is not in the same location as plotted on the manuscript. As a result of this test, a considerable change was made in the horizontal position of an 80-ft. contour, and it will be necessary to revise the same contour on T-8644(S/2) to obtain a suitable junction.

The general contour expression in this half of the quadrangle is believed to be adequate.

T-8643(N/2) - Vertical accuracy tests were run in this half of the quadrangle as requested by the reviewer.

The accuracy test run in the NW part of the sheet showed that the contours (five) along a 600 ft. profile were out approximately one contour interval; and that the majority of the contours along the remainder of the line (two miles) were out less than $\frac{1}{2}$ contour interval.

The accuracy test run in the NE corner of the sheet revealed that the multiplex contours were consistently high about $\frac{3}{4}$ of a contour interval. A trig. level elevation of 108 ft. in this area was checked and found good.

The vertical accuracy check run in the vicinity of Unionville revealed that the multiplex contours were consistently low about one contour interval. New trig. level elevations were provided in this area by the field edit party.

The general contour expression in this half of the sheet is believed to be adequate.

(Closures for tests are shown on the field edit sheets.)

49. Vertical Control: The compilation report requested that trig. level elevations GH 19, GH 20, and GH 43 be checked by the field edit party. GH 19 was checked by trig. levels and found to be 1.4 ft. lower than shown by the original leveling party. The 1.4 ft. difference could have easily resulted in the reidentification of this point. GH 20 and 43 were not checked because it was impossible to reidentify the points accurately from the field photographs, and no written description was available with the original field records.

GH 18 was checked by a closed plane table traverse and found to be 5.5 ft. higher than shown by the original trig. level records.

New vertical control was established during field edit by trig. levels in the vicinity of the uncounted area near Burke Hill and it is recommended that the original trig. level elevations provided in this same area be disregarded. A sufficient number of new elevations have been provided for the control of the uncompleted multiplex contouring and also for use in the adjustment of the contours in the area of the vertical accuracy test that was run near Unionville.

Elevations were entered on photographs 836 and 846 (1:10,000), and the field notes are submitted with the field edit data.

50. Road Classification: Roads were reclassified in accordance with Photogrammetry Instructions No. 10, dated 14 April 1947, and Amendment, dated 24 November 1947.

51. Peat Bogs: See Field Edit Report for T-8647, par. 52.

52. Geographic Names: Whitten Farrin Stream was checked and changed on the field edit sheet to Whitten Parritt Stream. Inhabitants contacted for the information are entered on the same sheet.

Pickett Point should be Fickett Point. This information was ascertained by local signs and changed on the field edit sheet. See Geographic Names Sheet (Falls on T-8644)

53. Boundaries: Sufficient information is shown on the field edit sheet for drafting of the Gouldsboro - Township No. 7 boundary and the Hancock - Washington County line in the SW corner of the quadrangle. See Review Report.

The Washington - Hancock County corner north of Unionville was located by the photogrammetric station method and Form 524 is submitted for the corner along with Form M-2226-12 for the photo. stations pricked on photo 846 (1:10,000).

The Cherryfield - Millbridge Town Line corner near Cherryfield was pricked on photo 585 (1:20,000) and Form 524 is submitted.

The two ends of the uncertain and irregular Steuben - Cherryfield Town Line that were located by the field inspection party were checked and found to be good. A true copy of "Report of perambulation of town line Steuben - Cherryfield" (Actual Field Survey), by L. C. Haycock, Surveyor, and signed by the Selectmen of each town is submitted in duplicate. An intermediate corner along this line was located on the field edit sheet by plane table. The three located points are noted in the margin of the report, and it is believed that by plotting from both ends of the questionable line the compiler may get an acceptable line. No other information along this line could be obtained from any sources. Recent fires have destroyed all old survey markings in the woods..

54. Landmarks: A new landmark to be charted in the vicinity of Millbridge was located by the photogrammetric station method and pertinent data is submitted on Form 524, 2226-12, and 567. See Review Report.

55. Examination of Proof Copy: It is believed that no resident is intimately enough acquainted with the area covered by the sheet to enhance the value of the sheet by a further examination. However, the two names submitted below are the probably more acceptable residents for an examination of the portions of the sheet in their areas.

D. C. Smith
Town Clerk
Steuben, Me.

Herbert Tucker
1st Selectman
Cherryfield, Me.

Submitted:
3 September 1948

Stanley J. Hathorn
Stanley J. Hathorn
Photogrammetrist

Approved:
8 September 1948

George E. Varnadoe
George E. Varnadoe
Topographic Engineer

F. E. PATTEN, JR.
CHERRYFIELD, ME.

cc: Comdr. Sipe

Report of perambulation of town line Steuben --- Cherryfield.

May 9th. 1913.

With Frank C. Nash and George D. Small, selectmen of Cherryfield and Frank C. Nash Jr., went to Unionville and met Harry Smith and W. H. Baker, selectmen of Steuben. We then went to the southwest corner of Cherryfield, the south east corner of Township Number Ten, on the north line of Steuben, where we found a large ledge or bluff, about ~~75~~ four rods from Tunk river on the west side, on the ledge we found marked T. I. ① and just east of the ledge we found a large birch tree blazed, also a little east of the birch a maple blazed and checked by ax marks; from the ledge we saw a line running northerly made about ten years ago.

We took a course south 84° east run across the river, $\frac{1}{2}$ through small growth, and came near the end of an old log fence running easterly; we followed near the remains of this fence over some barrens, through a small swamp to the road running from the Burk place towards Alex. Case place, where we found some trees spotted, and east of the road we found an old birch stub spotted on east and west sides. Here we found a wire fence which we followed course about south $84\frac{1}{2}^{\circ}$ east over Burk's mountain, passing in places piles of stone, coming out on a small bluff on east side of the mountain; followed the fence to cedar fence; continued by the fence to corner of P. B. Willey field, where we set stake and stones; continued line across the Unionville road and set a stake on south side of road near the cedar fence, followed the fence to Horse District road. Dinner at Sidney Horse's. Took the line, wire fence on east side of Horse District road followed to the corner marked by stake and stones on slight hill. ② Took course south $5\frac{1}{2}^{\circ}$ west chained one hundred rods and found a stone corner, where we set stake marked T. I. This stake is ~~16~~ about three rods N. W. of the corner of a pasture fence. then we chained north $84\frac{1}{2}^{\circ}$ west twenty rods and made a corner about two rods N. W. of corner fence; then south $5\frac{1}{2}^{\circ}$ west seventy rods passed a large stump checked, at ninety-two rods crossed an old road, at one hundred rods set a cedar stake and placed stones about it, marked T. I.; then north $84\frac{1}{2}^{\circ}$ west twenty rods set a stake for corner. Night.

May 10th. 1913.

With same selectmen, met at last stake set, and run south $5\frac{1}{2}^{\circ}$ west, at sixty-nine rods passed a pile of stones which looked very much like a monument; at eighty-eight rods set a stake for corner, a pine root. then south $84\frac{1}{2}^{\circ}$ east twenty-eight rods crossed a bluff, continued fifty-one rods, and found a large old fir tree spotted on north and south sides, about one rod further east, fifty-two rods in all; so we set over on line with the fir tree and ran south $5\frac{1}{2}^{\circ}$ west; crossed an old road, and just south of the road we passed near a large stump, very large stump checked by surveyor, in which we placed a cedar

stake; continuing on we found old spotted trees frequently; run out one hundred rods and set a maple stake for a corner. this was about ten feet north of an old road and about one rod west of a large stump marked by a surveyor, with a fir tree near which was blazed.

Then we run south $84\frac{1}{2}^{\circ}$ east nine rods from stake, eight rods from stump and set a maple stake just east of a small brook in yellow birch swale.

Then south $5\frac{1}{2}^{\circ}$ west one hundred rods and set a cedar stake then south $84\frac{1}{2}^{\circ}$ east sixteen rods and set a stake, cedar, on a hill about three rods north of brook and one rod N. E. of a pile of stones with a spruce tree growing in the pile.

Then south $5\frac{1}{2}^{\circ}$ west one hundred rods and set a maple stake about one and one-half rods W. of a pine stump with check marks on it. Night.

May 13th. 1913.

With same selectmen, met at Steuben road on town line and run from a pile of stones in a small gravel hole on the south side of the road diagonally across a small bridge in road, north $5\frac{1}{2}^{\circ}$ east fifty rods and set a spruce stake for a corner about four feet west of a large maple tree spotted on east and west sides; then north $84\frac{1}{2}^{\circ}$ west, passing in places old spots, and near a line run about two years ago at forty-six rods saw a large stump on our right spotted, at sixty-four rods, we set a birch stake in low land for a corner; this was about eight feet east of a large, down, pine tree. (old)

then north $5\frac{1}{2}^{\circ}$ east about one and one-half rods crossed a line run for Bailey about two years ago; set a spruce stake on south side of Chapman road and placed stones about the stake; we run out on this line two hundred sixty-four rods the distance called for in old records, and run a trial line west to find our stake set May 10th. found we were ~~1/2~~ too far south, so we went to the stake and run south $84\frac{1}{2}^{\circ}$ east fifty rods and ten links, then south $5\frac{1}{2}^{\circ}$ west twenty rods to connect with our last line running north, making this line two hundred eighty-four rods, not two hundred sixty-four. Night.

May 19th. 1913.

With same selectmen and Cam. Baker from Steuben and Vergil Haycock of Cherryfield, went to line on Steuben road and run south $5\frac{1}{2}^{\circ}$ west, finding old spots frequently, ~~81~~ eighty-six rods, distance called for in old survey, made a corner on an ash stake about four feet south of a birch tree eight inches in diameter near two rocks, not large; then south $84\frac{1}{2}^{\circ}$ east passing old spots frequently, one hundred twenty-~~81~~ eight rods, made a corner on sawed birch slab one rod west of small brook and two rods south of Jud Willey's camp, used in 1912.

Then south $5\frac{1}{2}^{\circ}$ west, at eighty-eight rods passed on our right a very large, tall stump, about twelve feet high marked on the east side $\frac{8}{8} \frac{5}{52} \frac{5}{52} \frac{1}{11}$, at at one hundred fifteen rods passed very near a large, old birch tree spotted, at one hundred sixty rods, we set a birch stake for a corner on a fir knoll.

Then south $84\frac{1}{2}^{\circ}$ east through pine land, ten rods south of a small camp; the needle troubled some here; soon crossed a γ wire fence in low land, then over a pine knoll, having some large trees growing on it; hail storm and dinner. continued easterly about twenty rods more, one hundred rods in all and set a hackmatack stake in heath covered with small growth, for a corner; then north $5\frac{1}{2}^{\circ}$ east across a good line and wire fence at twenty-eight rods, at fifty rods set a spruce stake for a corner; then south $5\frac{1}{2}^{\circ}$ east in small birch growth about thirty rods came to large timber and found an old fir tree with surveyor's marks on it; found other spots through the growth for about thirty rods more, then came to a large birch tree on eastern edge of growth well spotted, old and new spots; set compass and took bearings on a large pine tree about forty rods east, and when we reached the pine it was the end of three fences, a hog wire fence running east, a strand wire fence running north and a pole fence running south. followed fence easterly one hundred seventy-two rods from stake and made corner; cedar stake and stones $\frac{1}{2}$ just south of the fence in pasture, in plain view of the Martin House. (4)

This point is supposed to be on the line between Milbridge on the one side and Steuben and Cherryfield on the other side.

This closed our work.

SIGNED:

L. C. Haycock (Surveyor)
E. A. Smith (Selectman of Steuben.)
J. W. Cleaves " " "
Frank C. Nash (Selectman of Cherryfield)
Geo. D. Small " " "

Frank C. Nash and Harry Smith carried the chain.

I certify that the foregoing document is a true copy of the original signed copy found in the town office of ~~Cherryfield~~ Cherryfield on 3 July 1948. Permission was secured from Mr. Herbert Tucker, 1st Selectman, to make copy of ~~the~~ said document.

Stanley J. Hathorn
Stanley J. Hathorn
Photogrammetrist
U. S. C. & G. S.

ADDENDUM TO DESCRIPTIVE REPORT

SURVEY T-8643

PROJECT CS 272-F

WASHINGTON AND HANCOCK COUNTY LINE

A line furnished by the Field Edit Party on photo 44c-849 (1:20,000) was extended according to their instructions to the center line of bridge over Whitten Parrit Stream, a point on line. The point of intersection of this line extended south of the bridge and the line between Gouldsboro and Township 7 is supposed to be 700 feet south of the bridge. As now shown it is about 600 feet south of the bridge. If the azimuth of this line is changed it will not agree with that shown on Field Edit Sheet No.2. The county line then follows the center line of Joy Cove.

See Review Report.

On photo 44-c-846, photo stations were picked by the field edit party to check a monumented corner of the Washington-Hancock County Line. This corner had previously been picked direct by the field inspection party and plotted by multiplex. The original inspections did not report a monument at the corner. Form 524 together with a Control Station Identification card on which the field edit party furnished the necessary field data is being forwarded with this addendum. The original location of the corner agrees with the new data furnished for location of the monument.

MILLBRIDGE-STEUBEN TOWNLINE

This line has been drawn between monuments although the field edit party said to draw the line tangent from north of the railroad at Cherryfield to a point located on T-8647. If this line were drawn straight between the two end monuments, the monuments in between would not fall on the line, as they are not on a line.

CHERRYFIELD-STEUBEN TOWNLINE

An attempt has been made in the compilation office to plot the Cherryfield-Steuben town line, using the "Report of Perambulation of Town Line Steuben-Cherryfield". By adjusting this line proportionately throughout, we tied in with a point on the Steuben-Cherryfield-Millbridge line identified by the field edit party as an approximate position.

MODELS 845-846 and 846-847

The contours furnished by the field edit party on photo 446-846 (1:20,000) have been transferred to the manuscript. At the request of the field edit party the compilation office has re-contoured Model 846-847.

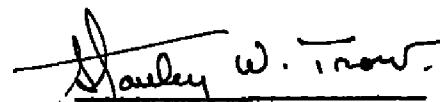
During the field check some discrepancy was found to exist on the West edge of the model and much additional control was furnished. With this vertical control and that given on the adjoining model 845-846 we were able to level model 846-847 on two sections. Nevertheless, point CH-20 now reads approximately 35' high although the surrounding field elevations read on.

See Review Report.

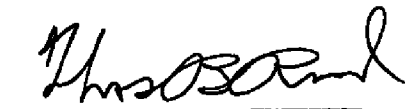
MODEL 809-810

The field edit party also requested that we re-contour model 809-810 as the field check showed the contours to be in error. This has been done using the additional control which they furnished.

Respectfully submitted
14 March 1949


Stanley W. Trow
Cartographer

Approved and forwarded
17 March 1949


Thomas B. Reed
Officer in Charge
Baltimore Photogrametric Office

HISTORY OF DEPTH CURVES

T-8643

Cherryfield Quadrangle, Maine

The depths within this quadrangle are less than the contour interval of twenty feet. The low water line originates with hydrographic surveys by this bureau:

H-1505 (1881) 1:10,000
H-1567a (1883) 1:10,000
H-1609 (1884) 1:10,000

Supplemented by photographs taken when the tide was one to two feet above the plane of mean low water.

^{compiled}
Curves ~~compiled~~ by: R. E. Elkins - 4/11/49
Curves checked by: G. F. Jordan - 4/14/49

R. E. Elkins
R. E. Elkins
4/15/49

Depth curves and soundings are not shown
on registered copy.

Division of Photogrammetry
Review Report of
Topographic Map Manuscript T-8643

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

26. Control.

Fifteen bench marks have been recovered in the area covered by this quadrangle and have been shown on the map manuscript. Recovery cards are filed in the Division of Geodesy. Copies are filed in the Division of Photogrammetry, General Files.

28. Detailing.

Extensive changes in woods classification were made during review. Areas covered with deciduous trees were mistaken for cleared areas by the compiler. See Field Edit Report for T-8641, paragraph 47.

The azimuth of the boundary between Couldsboro Township and Township 7 was changed to join the county line in Joys Cove, 700 ft. S. of the bridge. The line drawn on the Field Edit Sheet is approximate.

31. Low Water and Shallow Lines.

See Review Report for T-8647.

34. Landmarks and Aids to Navigation.

There are two landmarks on the map manuscript. A Form 567 was prepared and filed in the Nautical Chart Branch and a copy was made a part of this report.

40. Depth Curves and Soundings.

See attached letter, History of Depth Curves.

44. Comparison with Existing Surveys.

USGS Cherryfield Quadrangle, 1:62,500, 1904, Repr. 1943		
T-1039	1:10,000	1864 & 1884
T-1486	1:10,000	1880
T-1496	1:10,000	1881
T-1519	1:10,000	1881

Common features on all previous surveys are superseded by the map manuscript in common area.

45. Comparison with Nautical Charts.

Chart No. 305 1:40,000 1931 Corr. 1946

The landmark, Stack, at Millbridge should be added to the chart.

A pier and a pier in ruins at Millbridge are not shown on the chart.

A wreck shown on the chart in the Narraguagus River at Millbridge is shown in a different position on the map manuscript.

46. Accuracy Tests.

The vertical accuracy tests made on this quadrangle meet the specifications of the project. Several areas were re-contoured using new elevations established by the Field Edit Party. See Addendum to the Compilation Report.

Point CH-20 was probably misidentified on the photograph. See Field Edit Report, paragraph 49 (1).

This map complies with the national standards of map accuracy requirements.

49. Overlays.

An overlay was prepared showing the border information, road classifications and route numbers, triangulation stations, bench marks, topographic stations, landmarks and spot elevations that are to be shown by the smooth draftsman.

51. Application to Nautical Charts.

The map manuscript has not been applied to the nautical charts.

Reviewed by:

Charles Theurer
C. Theurer 4-21-49

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APPROVED BY:

A. V. Griffith
Chief, Review Section *K. Wm.*

H. C. Edmiston
Chief, Nautical Chart Branch
Division of Charts

K. T. Adams
Chief, Division of Photogrammetry

W. M. Scaife
Chief, Div. of Coastal Surveys

T-8643

Record of Work Subsequent to the Manuscript Review,
that is, Smooth Drafting, Checking, and Printing

Manuscript forwarded to the U. S. Geological
Survey for smooth drafting and publication.

24 May 1949

Color proof furnished by the Geological Survey and
examined by _____

Name

Date

Published by the Geological Survey.

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