

11132

N4S

Diag. Cht. No. 1203-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photo.- Topographic

Field No. Ph-104 Office No. T-11132

LOCALITY

State Maine

General locality St. Georges River

Locality Tenants Harbor

194 52-55

CHIEF OF PARTY

P. Taylor, Chief of Field Party  
E.H.Kirsch, Baltimore Photo. Office

LIBRARY & ARCHIVES

DATE May 12, 1958

B-1870-1 (1)

11132

## DATA RECORD

T - 11132

Project No. (II): **Ph-104**      Quadrangle Name (IV):Field Office (II): **Rockland, Maine**Chief of Party: **Paul Taylor**Photogrammetric Office (III): **Baltimore, Md.**Officer-in-Charge: **E. H. Kirsch**Instructions dated (II) (III): **13 April 1953**Copy filed in Division of  
Photogrammetry (IV)Supplement I dated: **29 April 1953****711 aal, 3 March 1954**Method of Compilation (III): **Air Photographic (Multiplex)****Multiplex**Manuscript Scale (III): **1:10,000**~~Stroboscopic~~ Plotting Instrument Scale (III): **1:7000**  
**Kelsh      "      "      "      1:10,000**Scale Factor (III): **1.000**

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): **3 Feb 1958**

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): **NA 1927**

Vertical Datum (III):

Mean sea level except as follows:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water or mean lower low water

Reference Station (III): **MOSQUITO HEAD, 1934**Lat.: **43° 55' 59.105"**Long.: **69° 12' 49.912"**

Adjusted

~~Coordinates~~

Plane Coordinates (IV):

State:

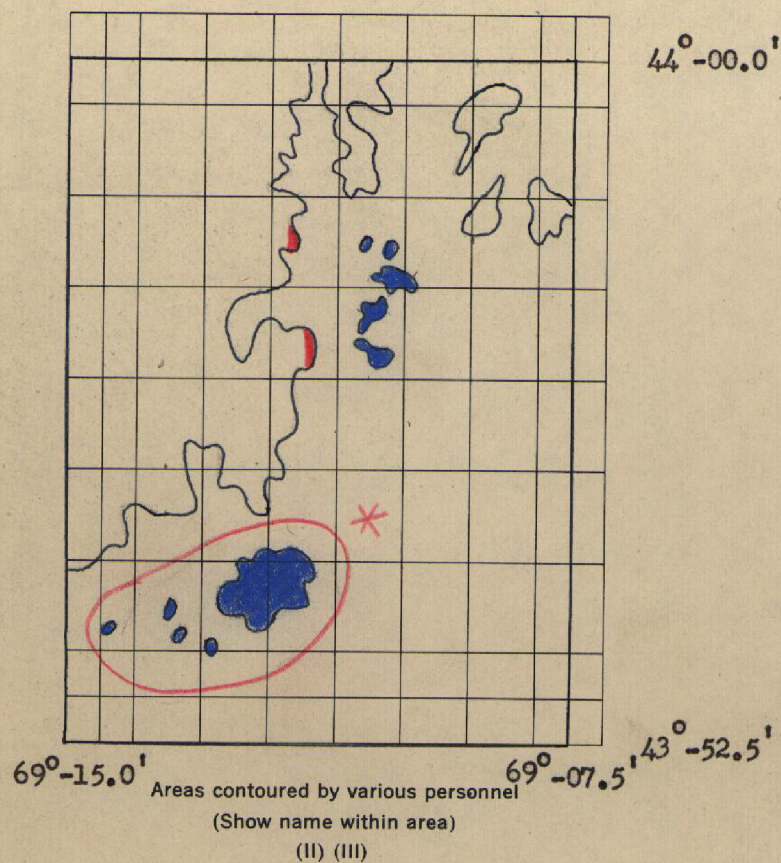
Zone:

Y=

X=

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

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



Red - Contouring by: Martin C. Moody } *planetable*  
Blue - Contouring by: John R. Smith }

\* No contours received for these islands from the field. Contoured by J. C. Richter by Kelsh plotter.

## DATA RECORD

Field inspection by (II): James A. Clear, Jr., Carto. Surv. Aid  
Warren M. Gottschlich, Carto. Surv. Aid

Date: Sept. to Oct.,  
1953

Planetable contouring by (II): **Martin C. Moody, Carto. Surv. Aid**  
**John R. Smith, Carto. Surv. Aid**

Date: July to August,  
1953

Completion Surveys by (II): *Geo. E. Varnadoe*

Date: Aug. 1955

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

See Paragraph No. 35 of this Report.

Projection and Grids ruled by (IV): **Austin Riley**

Date: Sept. 25, 1953

Projection and Grids checked by (IV): **H. D. Wolfe**

Date: Sept. 28, 1953

Control plotted by (III): **E. H. Taylor**

Date: Jan. 7, 1954

Control checked by (III): A. K. Heywood

Date: Feb. 26, 1954

### Radial Plot or Stereoscopic

Date: Jan. 14, 1954

Control extension by (III); E. H. Taylor

	Planimetry	( E. H. Taylor J. C. Richter
Stereoscopic Instrument compilation (III):	Contours	( E. H. Taylor J. C. Richter

Date: March 1954

Date: March 1954

Manuscript delineated by (III): A. K. Heywood (south)  
Work sheets - J. C. Richter (North)

Date: March 2, 1954  
March 1, 1954

Photogrammetric Office Review by (III): A. K. Heywood

Date: March 4, 1954

Elevations on Manuscript checked by (II) (III): **A. K. Heywood**

Date: March 4, 1954



USC&amp;GS Single lens, 6" focal length.

Camera (kind or source) (III):

USC&amp;GS " " " " " , Type "J"

## PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
GSPE 1-124 - 1-128	4/3/53	10:07	1:17,000	0.7 above MLW
GSPE 1-26 - 1-32	"	9:17	"	0.6 " "
GSPE 1-16 - 1-21	"	9:02	"	0.5 " "
GSPE 1-128 - 1-133	"	10:11	"	0.7 " "
GSPE 1-191 - 1-194	"	11:18 am	"	1.2 " "
52J 3089 - 3094	7/14/52	9:33	1:10,000	At or about MLW
3083 - 3088	"	9:28	"	" " "
2606 - 2619	7/12/52	9:30	"	" " "
2539 - 2548	"	9:12	"	" " "
2597 - 2603	"	9:28	"	" " "
2107 - 2126	6/16/52	12:02	"	" " "
2142 - 2146	"	12:22	"	" " "
2147 - 2151	"	12:27	"	" " "

Tide (III)  
From predicted tables

Reference Station: Portland, Maine

Subordinate Station: Tenants Harbor

Subordinate Station: Matinicus Harbor

Ratio of Ranges	Mean Range	Spring Range
	8.9	10.2
10	9.3	10.6
10	9.1	10.4

Washington Office Review by (IV):

RA Carter F11132  $\frac{N}{2}$ Final Drafting by (IV): MC Webber F11132  $\frac{S}{2}$ 

Drafting verified for reproduction by (IV):

WMO. Hallin

Proof Edit by (IV):

Date:

March 1956

Date:

12/20/57

Date:

11/19/57

Date:

12/27/57

Date:

Land Area (Sq. Statute Miles) (III): 14

Shoreline (More than 200 meters to opposite shore) (III): 30

Shoreline (Less than 200 meters to opposite shore) (III): None

Control Leveling - Miles (II): 44

Number of Triangulation Stations searched for (II): 5

Recovered: 4

Identified: 3

Number of BMs searched for (II): 6

Recovered: 5

Identified: 2

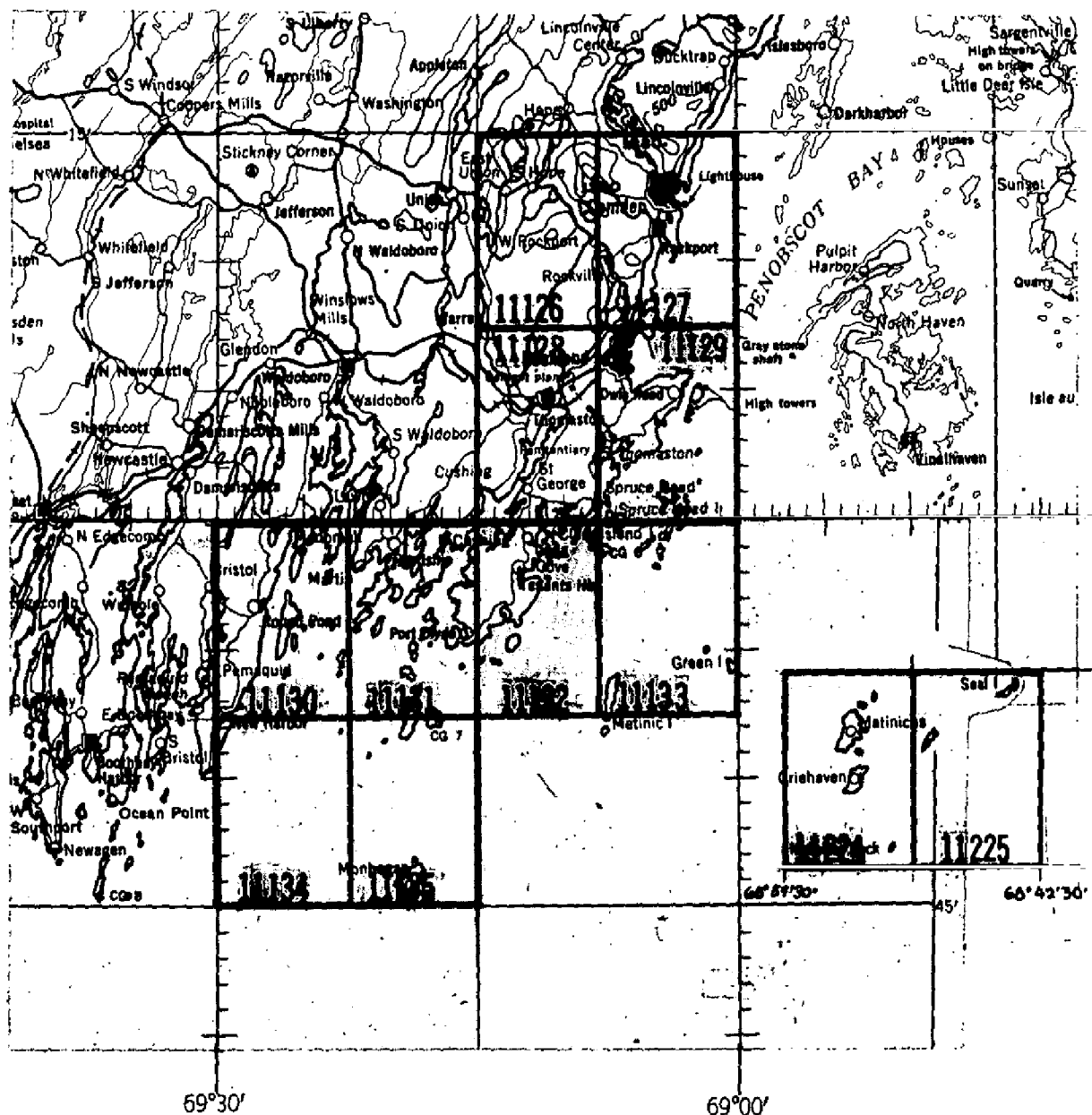
Number of Recoverable Photo Stations established (III): 4

Number of Temporary Photo Hydro Stations established (III): None

Remarks:

# TOPOGRAPHIC MAPPING PROJECT PH- 104

## ROCKLAND, MAINE and VICINITY



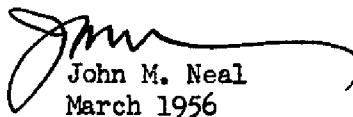
### OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	Sq. St. Miles	Lin. Miles Shoreline
11126	51	18
11127	27	25
11128	46	45
11129	14	30
11130	24	40
11131	15	57
11132	14	30
11133	3	17
11134	1	4
11135	3	12
11224	3	13
11225	1	7
<b>TOTALS</b>	<b>202</b>	<b>298</b>

Summary to Accompany  
Descriptive Report  
T-11132

Topographic Map T-11132 is one of 12 similar maps in Project 6104. This map includes Tenants Harbor, part of St. George River and several islands.

The shoreline and planimetry were compiled from T-8002, 8003 and 8004 (dated 1941-44) and corrected to 1955 by 1952-53 photographs, complete interior field inspection, partial shoreline inspection and a complete field edit of all land areas except the Islands of the Metinic I group. Other field operations preceding compilation included leveling for vertical control of stereo contour mapping and planetable contouring where photo coverage was inadequate for instrument contouring. The manuscript consists of 2 sheets, one  $3\frac{3}{4}$ ' in latitude by  $7\frac{1}{2}$ ' in longitude and the other  $4\frac{3}{4}$ ' in latitude by 8' in longitude (oversized to include the Metinic Island group on one sheet). The maps are to be published by the Geological Survey at a scale 1:24000 as a topographic quadrangle. The registered copies under T-11132 will include a one-half quadrangle cloth-mounted print designated T-11132-N and a cloth-mounted print of the oversized one-half quadrangle designated as T-11132-S, both at scale 1:10,000 and a cloth mounted color print of the ~~7-1/2~~ minute quadrangle.

  
John M. Neal  
March 1956

FIELD INSPECTION REPORT  
Quadrangle T-11132  
Project Ph-104

2. AREAL FIELD INSPECTION

The quadrangle is comprised of a part of a sparsely settled, hilly peninsula and several islands. The unincorporated town of Tenants Harbor is about centrally located and is the principal village within the quadrangle.

The majority of the inhabitants are fishermen. Some dairy farming is done on the mainland and a sheep herd is on Mosquito Island. The islands, for the most part, are uninhabited, except by the fishermen during the summer months.

There are numerous hard-surfaced roads within the area. Maine State Highway 131, the most important of these, traverses the entire length of the quadrangle.

The U. S. Coast Guard owns property at Whitehead Light and at the Boat Station on Whitehead Island. The telephone cable from the mainland to the island has been changed recently and it now connects the mainland at Spruce Head instead of across Rackliff Island as shown on Nautical Chart 313.

The field inspection was done on the ratio prints of the Geological Survey photographs and referenced on the planimetric maps. It was noted, that since no ground inspection had been made on the planimetric maps prior to their compilation, that numerous small details had been compiled that were of no significance, such as: wire fences, small stone fences, trails which had grown up with brush, and small out-buildings near the dwellings.

3. HORIZONTAL CONTROL

All U. S. Coast and Geodetic Survey stations were searched for and reported on Form 526. There were no stations of other agencies used.

One supplemental control station (Control Station "LO") was established and identified on a low-water photograph as per project instructions.

One triangulation station is reported as destroyed:

TURKEY CHURCH 2, 1934



#### 4. VERTICAL CONTROL

Vertical control points for Multiplex and Kelsh Plotter contouring was done in accordance with project instructions. A network of spirit level lines was run along the principal roads and all trigonometric lines were tied into the spirit level lines. All closures were within the allowable error set forth in the instructions.

The level points have been shown on the front of the contact photographs with a blue cross, on the back of the photographs with a blue circle with the elevation to the nearest one-tenth of a foot, and a short description.

The first and last fly-level points are 32-1 and 32-75.

There are no bench marks within the quadrangle of third-order or higher accuracy. The tidal bench marks at Tenants Harbor and Otis Cove were used and reported on Form 685-A.

#### 5. CONTOURS AND DRAINAGE

Most of the contouring in the quadrangle is to be done by the Kelsh Plotter or Multiplex, the exception being a few islands and two small sections along the mainland, which were done by planetable. The planetable contouring was done on planimetric maps. Special prints of the planimetric maps on loftrite were furnished this party for the contouring. The stereoscope was used regularly in both examining the areas prior to the daily field contouring and reshaping of the contours.

#### 6. WOODLAND COVER

The woodland cover has been classified in accordance with the Topographic Manual, Part II and it is believed that a sufficient amount of characteristic areas have been classified so that the compiler will be able to classify the remaining areas.

There is little swamp within the quadrangle. A few areas, which consist of alders about ten feet high, have been shown as such. The alders have photographed a very light gray.

## 7. SHORELINE AND ALONGSHORE FEATURES

(a) A field edit was made of the high-water line throughout the quadrangle in accordance with project instructions. There were no changes noted.

(b) The low-water line was inspected in numerous areas at low-water. Sufficient areas have been labeled on the C.&G.S. low-water photographs so that the compiler should have no difficulty in the delineation of the low-water line.

(d) Bluffs will be depicted by the contours.

(e) The planimetric maps were examined for addition of docks, wharves, piers, etc. and where changes have occurred, they have been indicated on the photographs.

(f) One submarine telephone cable, leading from Whitehead Island to Sprucehead Island, is the only cable within the quadrangle. See Paragraph 2 of this report.

## 8. OFFSHORE FEATURES

There were no offshore features noted. The low-water line was inspected visually. However, measurements were made in several places from identifiable features to determine that the photographs were made at or very near mean low-water.

## 9. LANDMARKS AND AIDS

Four nautical landmarks are reported on Form 567. Two have been previously charted, one new landmark at Whitehead Island and a barn for deletion on Metinic Island. Deleted on 313 (54-466)

The fixed aids were inspected in accordance with project instructions and reported on Form 567. None of the fixed aids had been changed since the planimetric maps were compiled.

There are no interior landmarks or aeronautical aids.

## 10. BOUNDARIES, MONUMENTS AND LINES

See Special Boundary Report, which will be submitted at a later date.



11. OTHER CONTROL

Three previously established topographic stations are reported on Form 524. There were no new stations established.

Refer to Item 11 in the Field Inspection Report for Quadrangle T-11127 for establishment of photo-hydro control.

12. OTHER INTERIOR FEATURES

A field edit of all roads and buildings was made on the planimetric sheets. Additions and corrections are noted on the photographs and referenced on the planimetric maps.

There are no bridges over navigable waters or landing fields within the quadrangle.

13. GEOGRAPHIC NAMES

This will be the subject of a special report, which will be submitted at a later date.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

The special reports mentioned in items 10, 13 and Notes for Coast Pilot, are the only supplemental data.

26 October 1953  
Submitted by:

*Joseph K. Wilson*  
Joseph K. Wilson,  
Cartographer

27 October 1953  
Approved by:

*Paul Taylor*  
Paul Taylor  
Commander, USCGS  
Chief of Party

SCALE FACTOR 1.000

MAP T.  
11132

PROJECT NO. Ph-104

SCALE OF MAP  
1:10,000

SCALE FACTOR

[illegible]

1 FT. = .3048006 METER  
A.  
COMPUTED BY.

BY, A. H. Taylor

DATE 15 Dec. 1953

CHECKED BY: H. P. Eichert

DATE \_\_\_\_\_

18 Dec. 1953

M-2388-12



MAP T.	PROJECT NO.	SCALE OF MAP	SCALE FACTOR
MAP T. 11132	Ph-104	1:10,000	1,000

[illegible]H  
 3048006 MEIER

1 FT. = .3048006 METER  
COMPUTED BY: H. P. Eichert

DATE 16 Oct. 1953

CHECKED BY:..

D. M. Brant

DATE:

20 Oct. 1953

PHOTOGRAMMETRIC PLOT REPORT  
Project Ph-104  
Survey T-11132

Photogrammetric Plot Report:

This will be bound with Descriptive Report for T-11131.

31. DELINEATION

Loftrite sheets of planimetric surveys at a scale of 1:10,000 were furnished by the Washington office. These planimetric surveys from Project CS-272C were used as a base for the compilation. Vinylite work sheets for use in compilation were prepared with the Kelsh instrument, with the necessary control points. These were oriented and taped to their respective loftrite sections. Revision of the planimetry and addition of contours, according to instructions, could then be readily accomplished. Information, including contours, that was furnished by the field party on loftrite was also transferred to the vinylite work sheets.

Since the north-half of the survey is to be prepared by direct scribing at the Washington office, the final office compilation remained on the vinylite work sheets. For the south-half, a conventional manuscript was prepared.

Except for inspection of low-water, field inspection was adequate.

32. CONTROL

Refer to Photogrammetric Plot Report paragraph 23.

33. SUPPLEMENTAL DATA

Planimetric surveys T-8002 and T-8003 from Project CS-272 C were used as a base for compilation of this quadrangle.

34. CONTOURS AND DRAINAGE

The quality of the photographs taken by the Geological Survey was very good. The quality of the diapositives in both the Multiplex and Kelsh instruments was fair to good.

See paragraph 40, of this report for information relative to accuracy of contours.

35. SHORELINE AND ALONGSHORE DETAILS

All shoreline was examined during compilation. In the absence of field inspection of the shoreline, changes were kept to a minimum. For most of the shoreline from the previous planimetric survey, which appeared to be reasonably correct, no changes were made. All changes were noted on the Kelsh work sheets in blue ink.

Incomplete low-water line inspection was furnished by the field party. By stereoscopic inspection of low-water photographs much of the low-water line was interpreted by this office.

36. OFFSHORE DETAILS

Refer to "Notes to Hydrographer".

37. LANDMARKS AND AIDS

There are two landmarks for charts within the bounds of this survey.

38. CONTROL FOR FUTURE SURVEYS

Refer to Project Instructions, dated 13 April 1953, paragraph No. 20 and Special Instructions, 73 mkl, dated 29 December 1953, paragraph No. 10.

A list of recoverable topographic stations, useful for hydrography, has been prepared and included in paragraph No. 49 of this report.

39. JUNCTIONS

Junction has been made to Survey T-11131 to the west and to the east with Survey T-11133.

The junction to the north with survey T-11128 is to be made at the Washington office.

To the south is water.

40. HORIZONTAL AND VERTICAL ACCURACY

As would be expected, two separate and different methods of compilation will not yield identical solutions. It was, therefore, not surprising to find that our multiplex solution varied somewhat from the previous planimetric survey. During verification and completion of the quadrangles, we considered it feasible to accept the previous delineation of features if there was only minor discrepancy in horizontal position. For example, roads, previously delineated were not changed if the discrepancy was as little as the width of the road as drafted. The location of buildings was also accepted if the difference was no more than five meters.

Difficulty was experienced in the multiplex bridge along the north junction of this quadrangle. This difficulty will be explained in detail in paragraph No. 23 of the Photogrammetric Plot Report bound with the Descriptive Report for T-11131. During the orientation of the models in this strip as pairs in the Kelsh it was felt that the loftrite survey



40. HORIZONTAL AND VERTICAL ACCURACY (cont'd)

offered a better scale solution than that obtained by the Multiplex. Consequently, the models in this strip were oriented to fit the planimetric survey. Identified control points were held and appeared consistent.

There were no vertical control points established in the field for indexing on the islands of <sup>5/2</sup> Mosquito, <sup>11/2</sup> Rackliff, Norton and Whitehead. These islands were covered by models 1-26 thru 1-28. From the time of the photographs and the predicted tables of tides, the water elevation was determined for indexing. From our experience in setting other models in the project, where index points were available and a comparison could be made between the predicted elevation of the water and what was determined from the level of the model, it appears that this difference could be as much as one-half a contour interval. —

41. - 45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with Geological Survey map, Tenants Harbor, scale 1:62,500, Edition of 1906, reprinted 1947.

47. COMPARISON WITH NAUTICAL CHARTS

Chart 313, scale 1:40,000 published Feb. 1949 (10 Edition) 1/28/52.

Items to be applied to nautical charts immediately:

None.

Items to be carried forward:

None

Approved and forwarded  
13 May 1954

*E. H. Kirsch*  
E. H. Kirsch  
Comdr. USC&GS  
Officer in Charge

Respectfully submitted  
12 May 1954

*A. K. Heywood*  
Albert K. Heywood,  
Carto. (Photo)



LIST Notes for Hydrographer

- ✓  $N/2$   
✓  $S/2$

Names approved  
5-3-55  
A. J. W.



# 49. Notes for Hydrographer

No copies available for this report  
as of March 1956. Have not  
been returned by Hydro Party.

*Jmm W.O. Review*

✓ Watts Cove  
✓ Watts Pt. (Northwest Pt.)  
✓ Wheeler Bay  
✓ Wheeler Big Rock  
✓ Whitehead I  
✓ St. George  
✓ Gunning Cove  
✓ South Thompson  
✓ Maine #131

Names approved  
2-3-55  
A.P.W.

1/2  
1/2

\* From Planimetric Surveys

\* Chart No. 313  
To be applied with hydrography

✓ Roaring Bull  
✓ Backhill I  
✓ Backhill Bay  
✓ Ham I  
✓ Otis Pt  
✓ Otis Cove  
✓ Norton I Ledges  
✓ Norton I  
✓ Northern I  
✓ Mosquito Island  
✓ Mosquito Head  
✓ Mosquito Harbor  
✓ Metinic Island Ledge  
✓ Metinic Island  
✓ Metinic Green I  
✓ Metinicville  
✓ Long Ledge  
✓ Long Cove (Cove)  
✓ Long Cove  
✓ Hook Island  
✓ Hooper Shoal  
✓ High I  
✓ Hen I  
✓ Hay Ledge  
✓ Harb Neck  
✓ Harb Ledge  
✓ Gunning Rocks  
✓ Gunning Cove

✓ Two Bush Channel  
✓ The Nubble  
✓ The Brothers  
✓ Ten Pound I  
✓ Tenants Harbor (Town)  
✓ Tenants Harbor  
✓ St. George River  
✓ Spectacles  
✓ Southern I  
✓ Sprucehead I  
✓ Slime I

✓ Alwell Pt.  
✓ Alwell I  
✓ Almore  
✓ Eagle I  
✓ Clark Ledge (Town)  
✓ Clark Point  
✓ Clark Ledge  
✓ Clark I  
✓ Clark Cove

✓ Alwell Pt.  
✓ Alwell I  
✓ Almore  
✓ Eagle I  
✓ Clark Ledge (Town)  
✓ Clark Point  
✓ Clark Ledge  
✓ Clark I  
✓ Clark Cove



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TO BE CHARTED  
~~TO BE DELETED~~

**STRIKE OUT ONE**

# NON-FLOATING AIDS OR LANDMARKS FOR CHARTS

Baltimore, Maryland

8 March

七

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

The positions given have been checked after listing by

A. K. Heywood

E. H. Kirsch,

*Chief of Party.*

[illegible]



## PHOTOGRAMMETRIC OFFICE REVIEW

T. 11132N

1. Projection and grids \_\_\_\_\_ 2. Title \_\_\_\_\_ 3. Manuscript numbers \_\_\_\_\_ 4. Manuscript size \_\_\_\_\_

## CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy \_\_\_\_\_ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) \_\_\_\_\_ 7. Photo hydro stations \_\_\_\_\_ 8. Bench marks \_\_\_\_\_ 9. Plotting of sextant fixes \_\_\_\_\_ 10. Photogrammetric plot report \_\_\_\_\_ 11. Detail points \_\_\_\_\_

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline \_\_\_\_\_ 13. Low-water line \_\_\_\_\_ 14. Rocks, shoals, etc. \_\_\_\_\_ 15. Bridges \_\_\_\_\_ 16. Aids to navigation \_\_\_\_\_ 17. Landmarks \_\_\_\_\_ 18. Other alongshore physical features \_\_\_\_\_ 19. Other along-shore cultural features \_\_\_\_\_

## PHYSICAL FEATURES

20. Water features \_\_\_\_\_ 21. Natural ground cover \_\_\_\_\_ 22. Planetable contours \_\_\_\_\_ 23. Stereoscopic instrument contours \_\_\_\_\_ 24. Contours in general \_\_\_\_\_ 25. Spot elevations \_\_\_\_\_ 26. Other physical features \_\_\_\_\_

## CULTURAL FEATURES

27. Roads \_\_\_\_\_ 28. Buildings \_\_\_\_\_ 29. Railroads \_\_\_\_\_ 30. Other cultural features \_\_\_\_\_

## BOUNDARIES

31. Boundary lines \_\_\_\_\_ 32. Public land lines \_\_\_\_\_

## MISCELLANEOUS

33. Geographic names \_\_\_\_\_ 34. Junctions \_\_\_\_\_ 35. Legibility of the manuscript \_\_\_\_\_ 36. Discrepancy overlay \_\_\_\_\_ 37. Descriptive Report \_\_\_\_\_ 38. Field inspection photographs \_\_\_\_\_ 39. Forms \_\_\_\_\_ 40. \_\_\_\_\_  
 Reviewer \_\_\_\_\_ Supervisor, Review Section or Unit \_\_\_\_\_

41. Remarks (see attached sheet) *a manuscript was not prepared for the north half of this survey. Therefore all of the above items could not be checked.*

## FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

\_\_\_\_\_  
Compiler\_\_\_\_\_  
Supervisor

43. Remarks:



## PHOTOGRAMMETRIC OFFICE REVIEW

T-111315

1. Projection and grids     2. Title     3. Manuscript numbers     4. Manuscript size

## CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy     6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)     7. Photo hydro stations     8. Bench marks     9. Plotting of sextant fixes     10. Photogrammetric plot report     11. Detail points

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline     13. Low-water line     14. Rocks, shoals, etc.     15. Bridges     16. Aids to navigation     17. Landmarks     18. Other alongshore physical features     19. Other along-shore cultural features

## PHYSICAL FEATURES

20. Water features     21. Natural ground cover     22. Planetable contours     23. Stereoscopic instrument contours     24. Contours in general     25. Spot elevations     26. Other physical features

## CULTURAL FEATURES

27. Roads     28. Buildings     29. Railroads     30. Other cultural features

## BOUNDARIES

31. Boundary lines     32. Public land lines

## MISCELLANEOUS

33. Geographic names     34. Junctions     35. Legibility of the manuscript     36. Discrepancy overlay     37. Descriptive Report     38. Field inspection photographs     39. Forms     40.

Reviewer

Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

## FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler

Supervisor

43. Remarks:

## MOSQUITO ISLAND RECONTOURED

The field edit proved the contours of Mosquito Island to be in error. Vertical control was provided by the field edit party.


The same models (GS-1-192 through 194) were reset and the island was recontoured on the basis of the new control.

The maximum error in the model is about 20 feet and this was in the woods with trees 30-40 feet high and not near any clear area.

There are three causes for the errors in the original contouring:

1. Sea level datum exclusively was used to horizontalize the model. There could be errors of 7 feet due to tide and waves.
2. The trees are 30-40 feet high and there were no openings to help guide contouring for sizeable stretches.
3. The models were relatively difficult to orient because of the lack of detail in all corners.

25 August 1955  
Submitted by:

  
Bernard J. Colner,  
Carto. (Photo.)

Field Edit Report  
Quad. T- 11132

51. Methods. All roads were ridden out to check their classification, to investigate questioned areas, to check the classification of buildings and to visually check contour shapes and planimetry.

Trails were either walked out or their existence was checked by local information.

The islands were visited by a skiff with an outboard motor. Landings were made on these islands where necessary to check contours and, or planimetry.

Standard plane-table methods were used for testing the vertical accuracy. Elevations established on the islands were determined from tide curves which were constructed from the predicted tides. No elevations were determined during adverse weather conditions. The tide curves used are attached to Plane-table Sheet No. 3 T-11132S.

Field edit information is to be found on the following:  
2 Discrepancy prints, 1 Field edit sheet of North half, 3 Field Edit plane-table sheets Nos. No.1 T-11132NE, No. 2 T-11132NW, No. 3 T-11132S, Ratio prints of photographs Nos. GS-PE 1-18, 19, 26, 27, 29, 30 and 132. Low-water photo. No. J-2150.

A legend appears on each sheet as to the color of inks used.

52. Adequacy of the Compilation. The compilation will be adequate and complete after the application of the field inspection and field edit information.

53, Map Accuracy. No horizontal accuracy tests were made.

Vertical accuracy tests were made in the north and south halves of the quadrangle as specified by the reviewer. In the north half 47 points on contours were tested of which 2 were in error more than one half contour interval. The contours were corrected where necessary. In the south half 32 points were tested, 7 of which were in error more than one half contour interval. Approximately one half of the points tested in the south half were on Mosquito Head, an area that is densely wooded with evergreen trees. The contours were corrected. The other area tested was Mosquito Island. In accordance with the project instructions this island was contoured by plane-table in 1953, but according to the compilation report by the Baltimore Office this plane-table sheet was not received in that office.



It is recommended that (1) The plane-table contours be applied to Mosquito Island or (2) The island be re-contoured with the kesh Plotter utilizing the cross section of elevations established during field edit. *Island was re-contoured as recommended in (2)* *gmn*

54. Recommendations. It is recommended that all field inspection information be applied prior to field edit.

55. Examination of Proof Copy. No one was asked to examine a proof copy of the manuscript.

The geographic name of the two small islands at Lat. 43 58.6' Long. 69 11.1' is in error on the manuscript. This name appears on the manuscript as SPECACLES which evidently is a mis-spelling of SPECTACLES. The name Spectacles appears on G. S. Quadrangle "Tenants Harbor", Nautical Chart No. 313 and Planimetric Map No. T-8002, and was verified by several of the long time residents of the area. *✓ gmn*

*OK - L. Heck*  
The name SEAVEY ISLAND as applied to a small island just east of the Spectacles at Lat. 43 58.6' Long. 69 10.7' is in dispute. None of the other maps or charts that are available carries a name for this island except Planimetric Map T-8002. *Name on original survey by C. E. Varnadoe locally in 1940, 1953.*

No one contacted had ever heard the name Seavey as a name for this island. Most everyone declared that they had heard, at one time or another, three different names used for this island: SHEEPS KNOB, LONE TREE and TREE KNOB. However, all agreed that SHEEPS KNOB was the most widely and most often used. It is therefore, recommended.

It is noted that an island carrying the name SEAVEY exists a few miles southwest at Lat. 43 55.5' long. 69 18.2'.

Three of the people contacted who verified the names SPECTACLES and SHEEPS KNOB as the correct names for the respective islands are. Mr. Alvin K. Hawkins, P. O. address, St. George, Me. Occupation, Fisherman and Caretaker of Spectacles Islands. 50 Years local knowledge.. Mr. Hugo Lehtinen, P. O. address, St. George, Me. Occupation, Fisherman. 26 yrsrs local knowledge. . Mr. J. Coolbroth, P. O. address, Tenants Harbor, Me. Occupation, Fisherman, 6 years local knowledge.

Respectfully submitted

3 Aug. 1955

*George E. Varnadoe*

George E. Varnadoe  
Photo. Engr.



# TOPOGRAPHIC MAPPING

## Summary & Abstract of Vertical Accuracy Test

Project No. Ph 104 Quad. No. T-11132 N Quad. Name TENANTS HARBOR  
 Method of Testing Plane-Table  
 Tested by GEV Date July 1955 Evaluated by GEV  
 Contour interval 10 ft. 1.22 M.M. allowable shift at 1:10,000  
 map or manuscript scale.

47 Total number of points tested

95 % of points within  $\frac{1}{2}$  contour interval or better

45 Test points correct within  $\frac{1}{2}$  contour interval

1 Test points in error between  $\frac{1}{2}$  and full contour interval

1 Test points in error over full contour interval

Test Elev.	Map Elev.	Error	Error after shift	Remarks	Test Elev.	Map Elev.	Error	Error after shift	Remarks
71	70	1	0		62	60	2	0	
59	60	1	0		71	70	1	0	
47	50	3	0		18	20	2	2	
36	40	4	0		20	20	0		
27	30	3	0		20	20	0		
28	30	2	0		32	30	2	0	
33	40	7	7	Contour Corrected	40	40	0		
39	50	11	11	" "	50	50	0		
57	60	3	3	" "	45	50	5	0	
67	70	3	0		63	60	3	0	
67	70	3	0		73	70	3	0	
78	80	2	0		80	80	0		
90	90	0							
88	90	2	0						
81	80	1	0						
74	70	4	0						
60	60	0							
41	40	1	0						
32	30	2	0						
34	30	1	0						
40	40	0							
30	30	0							
40	40	0							
51	50	1	0						
40	40	0							
17	20	3							
70	70	0							
61	60	1	0						
54	50	4	0						
44	40	4	0						
32	30	2	0						
21	20	1	0						
30	30	0							
40	40	0							
54	50	4	0						



## TOPOGRAPHIC MAPPING

## Summary & Abstract of Vertical Accuracy Test

Project No. Ph-104 Quad. No. F 11122 S Quad. Name TENANTS HARBOR  
Method of Testing Plane-Table  
Tested by GEV Date July 1955 Evaluated by GEV  
Contour interval 10 ft. 1.22 M.M. allowable shift at 1:10,000  
map or manuscript scale.

32 Total number of points tested

78 % of points within  $\frac{1}{2}$  contour interval or better

25 Test points correct within  $\frac{1}{2}$  contour interval

## 2 Test points in error between $\frac{1}{2}$ and full contour interval

### 5 Test points in error over full contour interval

Test Elev.	Map Elev.	Error	Error after shift	Remarks	Test Elev.	Map Elev.	Error	Error after shift	Remarks
9	10	1	0						
19	20	1	1						
18	20	2	2						
29	30	1	1						
36	35	1	1						
30	30	0							
38	40	2	0						
48	50	2	0						
58	60	2	0						
72	70	2	0						
80	80	0							
90	90	0							
95	93	2	2	Contour Corrected					
84	80	4	0	"					
75	70	5	5	"					
68	53	15	15	"					
51	25	26	26	"					
36	15	21	21	"					
12	10	2	0						
22	20	2	2						
31	30	1	0						
35	40	5	0						
53	50	3	0						
68	60	8	5	Recontour					
75	78	3	3	See Report					
76	60	16	16	"					
70	50	20	20	"					
44	40	4	3	"					
35	30	5	0	"					
28	30	2	0	"					
26	20	6	6	"					
17	10	7	7	"					

This area was known to  
 be weak and is not a  
 true test of map accuracy  
 contours were re-mapped  
 see report by BJC  
 dated 8/25/55

Jmm

This area was known to  
be weak and is not a accuracy  
true test of map re-mapped  
contours were by BJC  
see report 8/25/25  
dated [signature]



Review Report  
Topographic Map  
T-11132  
March 1956

61. General Statement:

See Summary Report.

62. Comparison with Registered Topographic Surveys:

T-960	1:20,000	1864
1081	1:10,000	1868
1116	"	"
1117	"	1867-69
8002	"	1941-44
8003	"	" "
8004	1:9745	1941-43

A comparison with the 1941-44 series indicates no significant differences. All above surveys are superseded, in common areas, by T-11132 for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

NW/4 of USGS TENANTS HARBOR 1:62,500 15 minute quad, 20-ft.  
contour interval, 1906 (reprint 1947)

Some major differences are noted in contours and drainage in the flat area just N. of Martinsville.

64. Comparison with Contemporary Hydrographic Surveys:

H-6968	1:10,000	1944
6982	1:20,000	1944-45
6984	1:10,000	1944
7054	"	1945
8175 (Boat sheet)	"	1954-55
8176 " "	1:20,000	1954

All conflicts between above surveys and T-11132 have been resolved by this Reviewer. Hydrography will be applied to T-11132 from above surveys at a later date.

65. Comparison with Nautical Charts:

Chart 313	1:40,000	1949 (54 - 4/26)
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A new submerged cable has been built between Whitehead and Sprucehead Islands. The old cable is reported by the Field Editor as still in service. Cable between Rackliff and Whitehead Islands has been removed. It will be noted that several isolated rock ledges (within tidal range) have not been mapped by T-11132. Most of these will be applied to the topographic map from the Hydrographic surveys listed in 64 above.

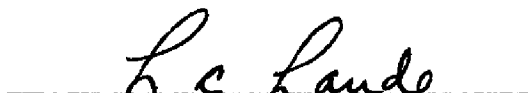
66. Adequacy of Results and Future Surveys:


This map complies with all instructions and with the National Map Accuracy Standards. It is of adequate accuracy for use as a base for future Hydrographic Surveys.


Reviewed by:


  
John M. Neal

APPROVED BY:

  
Chief, Review and Drafting Section  
Photogrammetry Division

  
Chief, Nautical Chart Branch  
Charts Division

  
Chief, Photogrammetry Division

  
Chief, Coastal Surveys Division



## NAUTICAL CHARTS BRANCH

SURVEY NO. 11132

### Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.