

11131

Diag. Cht. Nos. 1203-2 and 1204-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-104 Office No. T-11131

LOCALITY

State Maine

General locality St. George River

Locality Friendship

194 53-55

CHIEF OF PARTY

Paul Taylor, Chief of Field Party
E.H.Kirsch, Balto. Photo. Office

LIBRARY & ARCHIVES

DATE May 12, 1958

B-1870-1 (1)

11131

N&S

DATA RECORD

T - 11131

Project No. (II): **Ph-104** Quadrangle Name (IV):Field Office (II): **Rockland, Maine**Chief of Party: **Paul Taylor**Photogrammetric Office (III): **Baltimore, Maryland**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 1954Method of Compilation (III): **Air Photographic (Multiplex)**Manuscript Scale (III): **1:10,000****Multiplex**~~Stroboscopic~~ Plotting Instrument Scale (III): **1:7,000****Kelsh**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): **6 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): **HORN, 1934**Lat.: **43° 58' 39.332"**Long.: **69° 18' 01.610"**

Adjusted

~~Unadjusted~~

Plane Coordinates (IV):

State:

Zone:

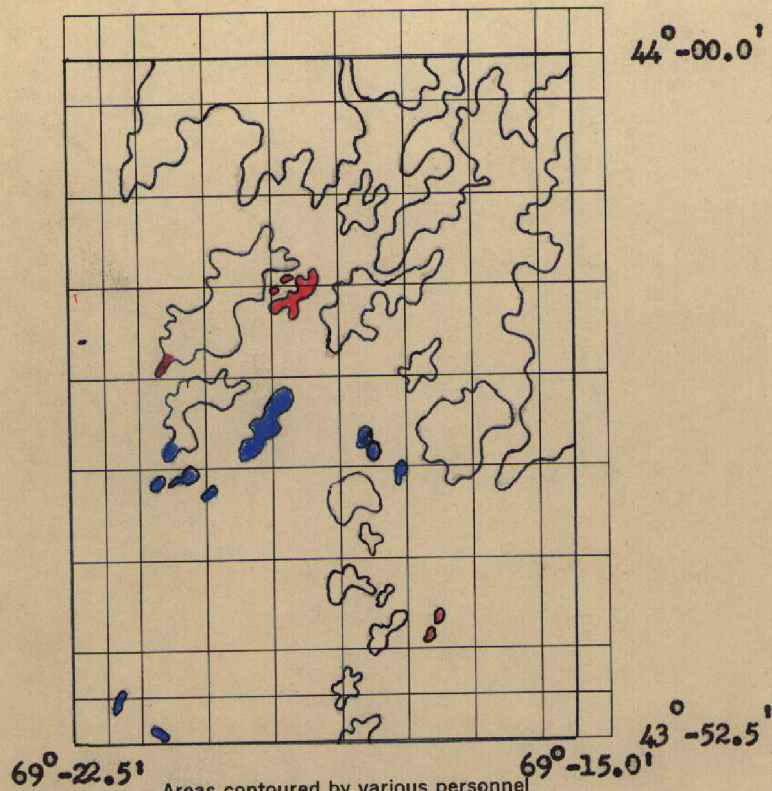
Y=

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.

11131



Areas contoured by various personnel
(Show name within area)
(II) (III)

Red:-Contouring by Martin C. Moody
Blue:- Contouring by John R. Smith
 Remainder: - Contoured by J. C. Richter

DATA RECORD

Field Inspection by (II): **Warren M. Gottschlich,
Carto. Surv. Aid**

Date: **October to
November, 1953**

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

Date: **August to
October, 1953**

Completion Surveys by (II): *Elgan T. Jenkins*

Date: *August 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. 30, 1953

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

Date: Oct. 8, 1953

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

Date: Jan. 7, 1954

Control checked by (III): J. Y. Councill

Date: June 1, 1954

~~Extension~~ or Stereoscopic

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

Date: Jan. 12, 1954

Planimetry J. C. Richter

Date: Apr. 12, 1954

Stereoscopic Instrument compilation (III):

Contours J. C. Richter

Date: Apr. 12, 1954

Manuscript delineated by (III): J. Y. Councill (North)

Date: July 23, 1954

Work Sheets J. Y. Councill (South)

June 30, 1954

Photogrammetric Office Review by (III): R. Glaser

Date: Aug. 9, 1954

Elevations on Manuscript

checked by (II) (III): R. Glaser

Date: Aug. 9, 1954

USGS Single lens 6" Focal length
 Camera (kind or source) (III): USC&GS Single lens 6" Focal length, Type "J"

PHOTOGRAPHS (III)			
Number	Date	Time	Scale
GS-PE-1-189 to 1-192	4/3/53	1118	1:10,000
1-175 to 1-179	"	1058	"
1-133 to 1-139	"	1020	"
1-11 to 1-17	"	0900	"
1-32 to 1-38	"	0923	"
1-171 to 1-174	"	1052	"
52-J-2547 to 2558			"
2603 to 2609			
2771 to 2775			
2698 to 2706			
2680 to 2697			
2660 to 2679			
2622 to 2640			
2568 to 2584			

Stage of Tide	
6.0	above MLW
5.6	" "
4.2	" "
1.5	" "
2.3	" "
5.2	" "
At or	about MLW
"	"
"	"
"	"
"	"
"	"
"	"
"	"

Tide (III)

From Predicted Tide Tables

Reference Station: Portland, Maine
 Subordinate Station: Port Clyde, St. George River Entrance
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	8.9	10.2
1.0	9.0	10.4

Washington Office Review by (IV):

*John M. Neal*Date: *March 1956*

Final Drafting by (IV):

*R.A. CARTER*Date: *1/17/58*
1/15/58

Drafting verified for reproduction by (IV):

*W.O. Halluin*Date: *1/20/58*

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 15

Shoreline (More than 200 meters to opposite shore) (III): 57

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

Control Leveling - Miles (II): 28

Number of Triangulation Stations searched for (II): 13 Recovered: 9 Identified: 10

Number of BMs searched for (II): 6 Recovered: 5 Identified: 2

Number of Recoverable Photo Stations established (III): 24

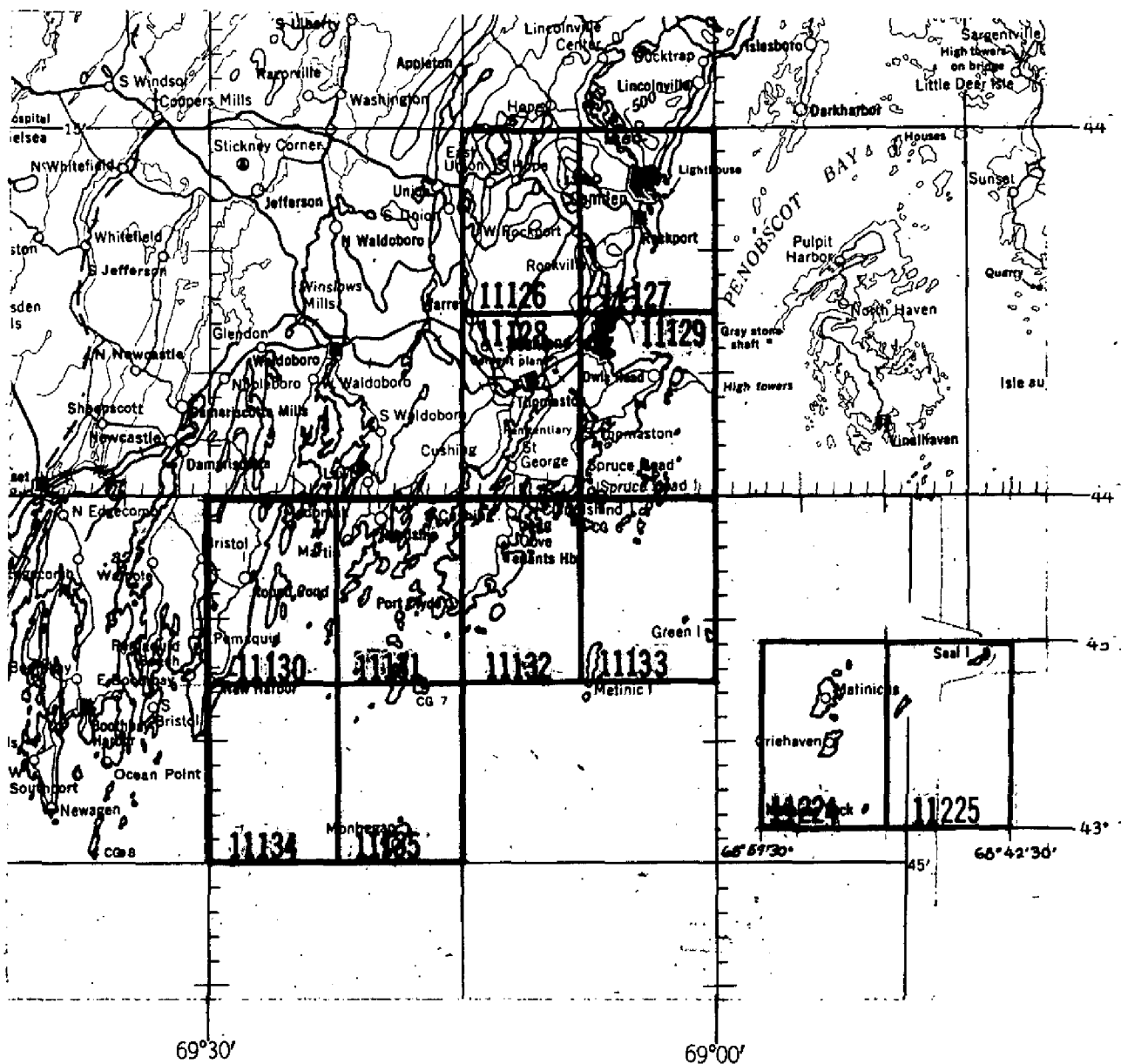
Number of Temporary Photo Hydro Stations established (III): None

Number of Triangulation Intersection Stations Established: 1

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
TOTALS	202	298

FIELD INSPECTION REPORT

Quadrangle T-11131

Project Ph-104

2. AREAL FIELD INSPECTION

The quadrangle is comprised of a part of sparsely settled hilly peninsulas and a group of islands known as the St. George Islands. The unincorporated villages of Port Clyde and Friendship are the only settlements within the area.

Port Clyde and Friendship are typical fishing towns of this section of Maine. The village of Port Clyde is the headquarters of many fishing boats. It has no transportation by rail but is connected by a highway to Thomaston. The Monhegan Island mail and passenger boat bases here. A large fish cannery is located there.

The St. George Islands are a group of islands and rocks extending about 6.5 miles southwestward from the entrance to the St. George River. The larger islands are in general wooded, and the smaller ones grassy and rocky. The islands, for the most part are uninhabited, except by the fishermen during the summer months. There are very few features on the islands that are distinguishable from the sea. Friendship Island and Benner Island are an exception, in that a few fishermen live there the year round.

State Highways 97 and 131 are the only state highways within the quadrangle. The remainder of the mainland is adequately served by secondary roads.

A field edit of the planimetric maps was made in accordance with project instructions. Notes have been made on the planimetric maps and referenced to the photographs. The field inspection is believed to be adequate.

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 recovered.

THE KEYS DAYBEACON was located by third-order triangulation. Control Station "A" and Control Station Friendship Island were located by the three-point fix method for control of the photogrammetric plot.

The following stations are reported on Form 526 as destroyed or lost:

BURTONS ISLAND, RED HOUSE CHIMNEY, 1866 ✓
 EAST COVE, WHITE HOUSE CHIMNEY, 1866 ✓
 SEAVEY'S J HOUSE CHIMNEY, 1863 ✓
 RIVERS HOUSE, NORTH CHIMNEY, 1860 ✓

BURTONS ISLAND, RED HOUSE CHIMNEY, 1866 is reported as destroyed on Form 526. It, however, was identified on the photograph as the base of the old chimney is intact and could be identified.

4. VERTICAL CONTROL

There are no bench marks of third-order accuracy or higher within the quadrangle. Two groups of tidal bench marks were recovered and reported on Form 685-A.

Supplemental elevations for stereoscopic mapping were established in accordance with project instructions. See Field Inspection Report of Quadrangle T-11126 for the methods used on the mainland. The level points on the islands were obtained by using the water surface corrected for stages of tide from a special predicted tide curve.

The first and last level points are 31-1 and 31-55.

5. CONTOURS AND DRAINAGE

The majority of the contouring of this quadrangle is to be done by either the Multiplex or the Kelsh Plotter. However, several small islands were contoured by planetable on loftrite prints of the planimetric maps. The portion of Allen Island, which falls within this quadrangle, was not contoured by planetable. That part which falls within T-11135 was contoured in its entirety by planetable. See Item 34 of the Compilation Report.

6. WOODLAND COVER

The woodland cover was classified in accordance with the Topographic Manual, Part II.

It was noted on the planimetric maps that practically no swamp had been shown. Alders are found growing in the low areas throughout this section and they have been classified as swamp.

7. SHORELINE AND ALONGSHORE FEATURES

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

(b) The low-water line was inspected visually at low-water. Special care was taken in and around the cove areas and in places where seaweed had photographed.

(d) The bluffs are depicted by the contours.

(e) All docks, wharves, piers, etc. have been indicated on the photographs where changes have occurred since the planimetric maps were compiled.

(f) Two submarine cables have been shown on the photographs. A telephone cable leads from Marshall Point Lighthouse to Burnt Island and Monhegan, and a power cable runs from the mainland at Friendship to Friendship Island.

8. OFFSHORE FEATURES

Measurements were made to the mean low-water line at several places to determine if the photographs were taken at or very near mean low-water. On the planimetric maps were numerous areas which had approximate positions of small islands, rocks, etc. These were visited at low-water and the low-water line delineated.

9. LANDMARKS AND AIDS

(a) There are no landmarks for nautical charts.

(b) There are no interior landmarks⁴ or aeronautical aids.

(d) Five fixed aids to navigation are recommended on Form 567 for charting. THE KEGS DAYBEACON was constructed in the summer of 1953 (See Paragraph 3 of this report). The remainder of the fixed aids have not been changed since the planimetric maps were compiled.

10. BOUNDARIES, MONUMENTS AND LINES

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

11. OTHER CONTROL

Ten previously established topographic stations were recovered and reported on Form 524. *see 49 of this report*

See Item 11 of Field Inspection Report, Quadrangle T-11127, for the photo-hydro control established.

12. OTHER INTERIOR FEATURES

T 5621 & 5622

The planimetric maps were inspected for any changes made since the area was compiled. This inspection was made on the photographs and referenced on the planimetric maps. Numerous small stone fences, wire fences, short trails, etc. have been deleted.

There are no bridges over navigable waters within the quadrangle.

13. GEOGRAPHIC NAMES

A special report on this subject will be submitted at a later date.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

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

6 November 1953

Submitted by:

Joseph K. Wilson
Joseph K. Wilson,
Cartographer

6 November 1953

Approved by:

Paul Taylor
Paul Taylor
Commander, USC&GS
Chief of Party

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 11131

PROJECT NO. Ph-104

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
TEAL, ADAM, HO. CENTER OF CHY, 1863	G-6793 p. 296	N.A. 1927	43	58	07.37	227.5	(1624.4)				
			69	15	17.16	382.4	(955.0)				
CUSHING CHURCH NO. 1, 1860	G-6793 p. 291	"	43	59	43.586	1345.2	(506.6)				
			69	16	58.935	1313.2	(23.7)				
DELANO, 1934	G.P. p. 138	"	44	00	13.634	420.8	(1431.0)				
			69	21	07.842	174.7	(1162.0)				
FRIENDSHIP WH. CH. SPIRE, 1934	G-6793 p. 290	"	43	59	08.350	257.7	(1594.1)				
			69	19	50.980	1136.1	(201.0)				
HERRING GUT CHURCH, 1859	G-6793 p. 296	"	43	55	43.53	1343.5	(508.3)				
			69	15	21.23	473.6	(864.8)				
MARSHAL POINT L. H. 1860	G-6793 p. 294	"	43	55	02.42	74.7	(1777.1)				
			69	15	42.40	946.0	(392.7)				
RACCOON, 1860	G-4733 p. 20	"	44	00	31.910	984.9	(867.0)				
			69	16	58.890	1311.9	(24.7)				
STONE J. HOUSE CHY, 1863	p. 300	"	43	58	17.33	534.9	(1317.0)				
			69	16	43.58	971.4	(366.0)				
HORN, 1934	G-4733 p. 20	"	43	58	39.332	1213.9	(637.9)				
			69	18	01.610	35.9	(1301.5)				
THE KEES DAYBEACON, 1953	Form 28B	"	43	53	35.129	1084.2	(767.6)				
			69	20	34.865	778.2	(561.0)				
OLD HORSE LEDGE DAYBEACON, 1953	"	"	43	54	25.13	775.6	(1076.2)				
			69	17	28.98	646.7	(692.2)				

SCALE FACTOR
1.000[illegible]

PHOTOGRAMMETRIC PLOT REPORT

21. AREA COVERED

T-11131 and T-11132

22. METHOD

Strips were bridged by multiplex at a scale of 1:7,000 using the U.S.G.S. photography. Horizontal pass points were established for use in setting the Kelsh models for compilation. Most of the 1:7,000 scale work sheets were reduced on film positive to a scale of 1:10,000. The Kelsh work sheets were prepared from these film positives. Pass points from several of the work sheets were transferred to the Kelsh work sheets by radial intersections.

The attached sketch of control shows strips bridged, identified horizontal control points and photo centers. Because the area was well cut up with small islands, continuous bridges could not always be set and some models were set individually holding to available control points and/or planimetry from the previous survey.

A two-model strip 1-125 thru 1-127 was set holding one identified point and the planimetry from the previous survey.

Strip 1-26 thru 1-31 at the north limit of T-11132 could not be tied between our pass points and those furnished by the Washington office. Accuracy was no doubt hindered somewhat by the extensive water area. The finally accepted solution resulted in our tying to the points established in the bridge to the south (1-16 thru 1-20) and also holding to most of the previously established, non-monumented topographic stations which could be identified in the stereoscopic models.

23. ADEQUACY OF CONTROL

Considering our use of the previous planimetric survey, control complied with project instructions and was adequate. Three horizontal control points were not held during the bridging. They were STONE, J. HO. CHY., 1863; HERRING GUT CHURCH, 1859 and Sub. Pt. MOSQUITO HEAD, 1934. These were discussed in our letters to Chief, Division of Photogrammetry dated 14 Jan. 1954, (copy attached to this report) and 15 Feb. 1954 (attached to Descriptive Report for T-11132). Subsequent to our compilation an error was discovered in the computation for azimuth used in computing Sub. Pt. MOSQUITO HEAD, 1934. See letter to Comdr. E. H. Kirsch from R. L. McGlinchey (Field Editor) dated 15 June 1954. A new computed position was plotted at this office which verified the multiplex compilation.


24. SUPPLEMENTAL DATA

T-8002, T-8003 and T-8004, previous planimetric surveys of this bureau were used as aids in our multiplex bridging in a manner discussed in the preceding paragraphs.

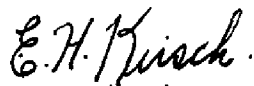
25. PHOTOGRAPHY

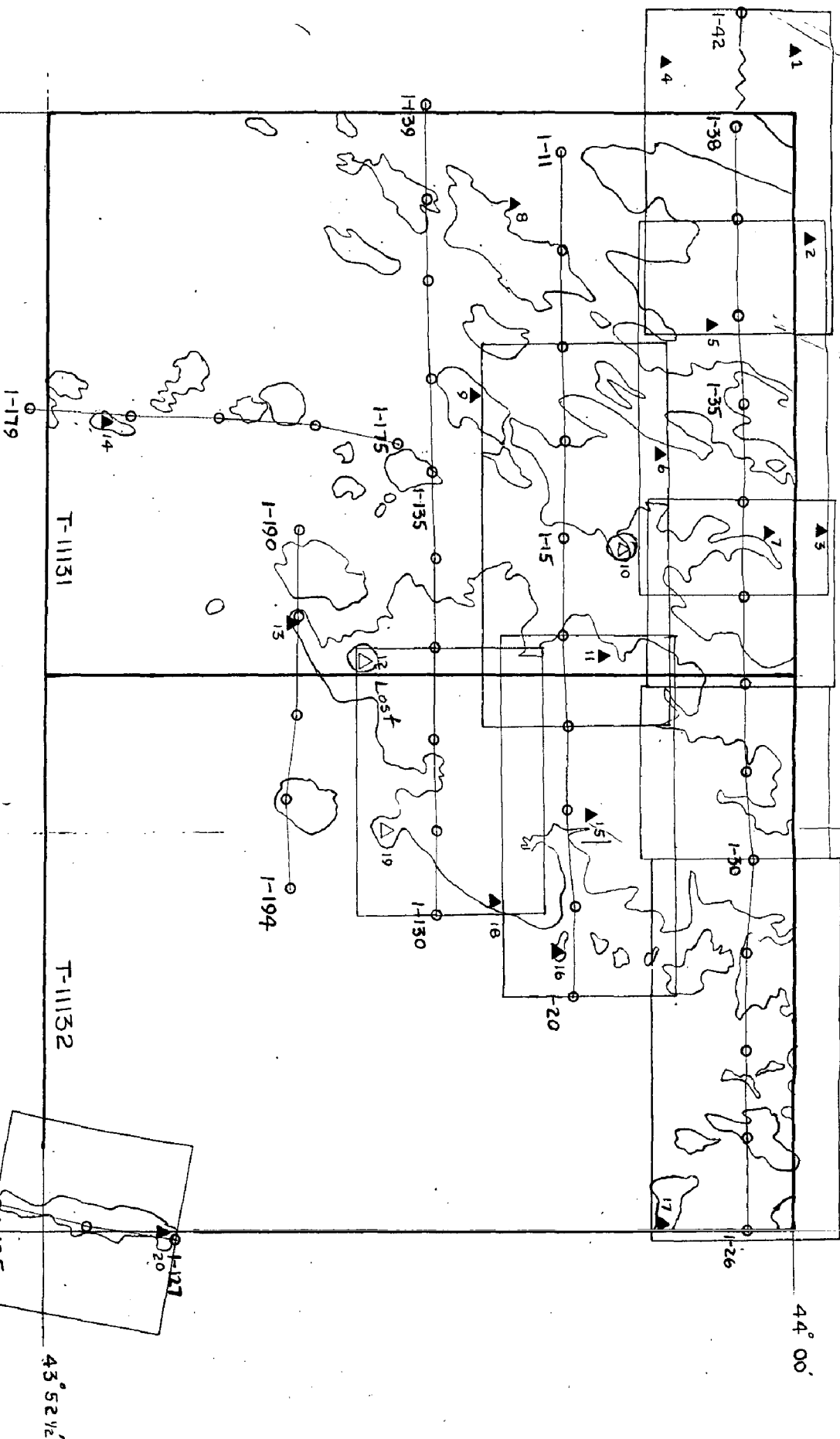
The quality of the photographs and diapositives used was good. Coverage and overlap were adequate.

Respectfully submitted
4 August 1954


Henry P. Eichert
Super. Carto.

Approved and forwarded


E. H. Kirsch,
Comdr. USC&GS
Officer in Charge
Baltimore Photo. Office



SKETCH OF CONTROL
PH-104
ROCKLAND, ME.

69° 07 1/2'

43° 52 1/2'

LEGEND
▲ HOR. CONTROL PT. IDENTIFIED AND HELD
△ HOR. CONTROL PT. IDENTIFIED BUT NOT HELD

- 1 CONTROL PT. M₀, 1953
- 2 DELAND, 1934
- 3 RACON, 1860
- 4 MUCONOUS, 1859
- 5 FRIENDSHIP WH. CH. SP., 1934
- 6 HORN, 1934
- 7 CUSHING CH. NO. 1, 1860
- 8 CONTROL STA. FRIENDSHIP I., 1953
- 9 BURTON I. CH., 1866
- 10 STONE, J. HO. CH., 1863
- 11 TEAL, ADAM HO. CENTER OF CH., 1863
- 12 HERRING GUT CH., 1859
- 13 MARSHALL PT. L.H., 1860
- 14 CONTROL PT. NO. A, 1953
- 15 TENANTS HARBOR CH. E., 1934
- 16 TENANTS HARBOR L.H., 1859
- 17 WHITEHEAD L.H., 1859
- 18 CONTROL STA. L.O., 1953
- 19 MOSQUITO HEAD, 1934
- 20 METINIC, 1859

COMPILATION REPORT
Project Ph-104
Survey No. T-11131

31. DELINEATION

See Compilation Report for T-11132, item 31, paragraph one.

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

Except for inspection of low water, field inspection was adequate. The field party's practice of circling buildings with red ink on the field photographs was a hindrance during stereoscopic examination.

32. CONTROL

Refer to Photogrammetric Plot Report, item 23.

On McGee and Barter Islands, no horizontal control was available. The model was held to the shoreline from the previous survey.

33. SUPPLEMENTAL DATA

Planimetric surveys T-5621 and T-5622, Project CS-272 C were used as a base for compilation of this quadrangle.

34. CONTOURS AND DRAINAGE

The quality of the Geological Survey photographs was very good. The quality of the diapositives for both the Kelsh and multiplex instruments was fair to good.

35. SHORELINE AND ALONGSHORE DETAIL

All shoreline was examined during compilation, changes were kept to a minimum. Minor changes were made in about fifty percent of the MHWL. On the south-half all changes were noted in blue ink on the Kelsh work sheets.

Incomplete low water line inspection was furnished by the field party. About one-half was inspected by this office.

36. OFFSHORE DETAILS

Refer to "Notes to the Hydrographer"

37. LANDMARKS AND AIDS

There are five fixed aids to navigation within the limits of this survey.

37. LANDMARKS AND AIDS (cont'd)

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. Forms 524 have been submitted for ten topographic stations on 20 Aug. 1954.

39. JUNCTIONS

Junction has been made with Survey T-11132 to the east; to the west with Survey T-11130 and to the south with T-11135. There is no contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

Refer to the first paragraph of item No. 40 of Descriptive Report for T-11132.

In model GS-PE-1 - 14 and 1 - 15, two points 31-54 and 31-06 furnished by the field party did not level with other vertical control. Point 31-54 is believed to be misidentified and point 31-06 was off about + 60 feet. Vertical control was sufficiently dense that these points did not inhibit the leveling of the model on other control.

41. BOUNDARIES

Boundaries were taken from a copy of General Highway map of Knox County as submitted and verified by the field party.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with Geological Survey Map, Monohegan, scale 1:62,500, Edition of 1906, reprinted 1950.

47. COMPARISON WITH NAUTICAL CHARTS

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

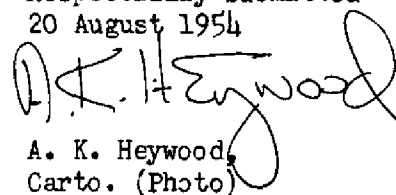
Items to be applied to nautical charts immediately:

None.


Items to be carried forward:

None.

Respectfully submitted
20 August 1954


A. K. Heywood,
Carto. (Photo)

Approved and Forwarded


E. H. Kirsch, Comdr. USC&GS
Officer in Charge
Baltimore Photo. Office

50-

PHOTOGRAMMETRIC OFFICE REVIEW

T- 11131

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. R. Blaser Henry D. Parker
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:

M-2623-12

48. GEOGRAPHIC NAMES

Ames Cove ✓
Back River ✓
Bird Point ✓
Bradford Point ✓
Bremen Township ✓
Burton Point ✓

Caldwell Island ✓
Cranberry Island ✓
Crotch Island ✓
Crotch Island Ledges ✓
Crystal Pond ✓
Cushing Township ✓

Davis Cove ✓
Deep Cove ✓
Delano Cove ✓
Forest Pond ✓
Friendship (town) ✓
Friendship Harbor ✓
Friendship Island ✓
Friendship Township ✓

Gay Cove ✓
Gay Island ✓
 ** Gay Cove Ledge ✓
Garrison Island ✓
Glenmere ✓
Gull Rock ✓

Hatchet Cove ✓
Hathorne Point ✓
 * Henderson Ledge ✓
Hornbarn Cove ✓
Howard Point ✓
Howard Pond ✓
Hungry Island ✓

Jameson Point ✓

Knox County ✓

Lincoln County ✓
Lobster Gut ✓

Maple Juice Cove ✓
Martin Point ✓
Meduncook River ✓
Minister Gut ✓
Morse Island ✓
Morse Ledge ✓
Muscongus Bay ✓
Martin ✓

48. GEOGRAPHIC NAMES (CONT'D)

Narrows. ✓
Neds Point ✓
 * Northeast Point Reef ✓
Nubbins ✓

Pleasant Point (town) ✓
Pleasant Point ✓
Pleasant Point Gut ✓

Ram Island ✓

St. George River ✓
St. George Township ✓
Sand Island ✓
South Cushing ✓
Stone Point ✓

Teel Cove ✓
Turkey Cove ✓
Turkey Point ✓
Wharton I. ✓
Wiley Cove ✓
Me. 220 (hwy.)

* Name from Chart 313

** Name from Chart 313; feature not delineated; name in pencil on manuscript.

Names approved
 4-29-55
 A.J.W.

48. GEOGRAPHIC NAMES LIST

- ✓Allen Island
- ✓Allen Ledge ✓
- ✓Bar Island
- ✓Barter Island
- ✓Benner Island
- ✓Beyer Ship Ledge
- ✓Black Island
- ✓Black Island Ledge
- ✓Black Rock
- ✓Blubber Island

- ✓Caldwell Island
- ✓Carey Rock
- ✓Cedar Island
- ✓Cranberry Island
- ✓Cushing Township

- ✓Davis Island
- (1) Davis Shoal ✓
- ✓Davis Strait

- ✓Eagle Island

- ✓Fish Cove
- ✓Franklin Island
- ✓Friendship Township

- ✓Gangway Ledge
- ✓Georges Harbor
- ✓Georges Islands
- (1) Gig Rock ✓
- (1) ✓Goose Rock
- (1) Goose Rock Ledge ✓
- (1) Griffin Ledge ✓
- ✓Gunning Rocks

- ✓Hall Island
- ✓Hart Island
- (3) ✓Hart Bar
- (4) ✓Hart Island Ledges
- ✓Hooper Island → changed to HUPPER by FILE
- ✓Hooper Point

- ✓Inner Shag Ledge

- (2) Jenks Ledge ✓

- (2) Kelp Ledges ✓
- ✓Knox County

48. GEOGRAPHIC NAMES LIST (CONT'D)

- ✓ Little Burnt Island
- ✓ Little Caldwell Islands
- ✓ Little Franklin Ledge
- (5) ~~✓ Little Island~~
- ✓ Long Ledge
- (1) Marshall Ledge ✓
- ✓ Marshall Point
- ✓ McGee Island
- (1) Murray Ledge ✓
- (2) Old Cilley Ledge ✓
- (4) ✓ Old Horse Ledge
- ✓ Old Hump Channel
- ✓ Old Hump Ledge
- ✓ Otter Island
- (1) Otter Island Ledge ✓
- ✓ Otter Island Passage
- ✓ Outer Shag Ledge
- ✓ Port Clyde
- ✓ Port Clyde Harbor
- ✓ Ram Island
- ✓ Raspberry Island
- ✓ Seavey Island
- ✓ Shag Ledges
- ✓ St. George Township
- ✓ Stone Island
- ✓ Teel Island
- (2) The Kegs ✓
- (2) The Sisters ✓
- ✓ Thompson Island
- (1) Thompson Rock ✓
- ✓ Toms Island
- ✓ Twobush Island

Names of hydrographic features marked with ✓ will be added with hydrography. Jmm 3/56

*Names approved
4-29-55
A.I.W.*

*(Those marked with a ✓ are OK, but need not be shown on map).
A.I.W.*

- (1) Name from Chart 313; feature could not be delineated; name shown on work sheets in pencil.
- (2) Feature could not be delineated; name shown in pencil.
- (3) Name appears only on T-5621; feature could not be delineated; name on work sheet in pencil.
- (4) Name from Chart 313.
- (5) "Little Island" as shown on geographic name sheet is in disagreement with "Joos Island" which appears on T-5621, a more recent survey.

→ Joos Island is correct as far as recent investigation is concerned. However, pending further inquiry, it is recommended that the name be omitted from the map. A.I.W.

49. NOTES FOR THE HYDROGRAPHER

The following is a list of recoverable topographic stations which may be used as control for hydrography. These are all carried forward from previous planimetric surveys, except as noted. Several of the non-monumented topographic points established in 1941 and 1943, but which could not be verified, have been deleted.

- ✓ TREE, 1943
- ✓ BEAR, 1943 *R 53*
- ✓ DEER, 1943 *R 53*
- ✓ SHIP, 1943
- ✓ RULL, 1943 *R 53*

- ✓ CUP, ON WHITE HO.
- ✓ RAIL, 1943 *R 53*
- ✓ S.E. GAB. HO., 1943
- ✓ ROCK CAIRN, 1943
- ✓ W. GAB. HO., 1943

- ✓ DATE, 1943 *R 53*
- ✓ WAKE, 1943 *R 53* *1131-S*
- ✓ E. GAB. HO., 1941 *1131-N*
- ✓ E. GAB. HO., 1941
- ✓ S. E. GAB. HO., 1941

- ✓ E. GAB. HO., 1941
- ✓ LONE STONE CHY, 1941
- ✓ S. GAB. BARN, 1941
- ✓ BRICK CHY, 1943
- ✓ S. GAB., 1941
- ✓ SOUTHERNMOST GAB 1941
- ✓ E. GAB. HO., 1941
- ✓ W. GAB. HO., 1941
- ✓ GREEN TANK, 1941
- ✓ TALK, 1941 *R 53*
- ✓ W. GAB. HO.

- ✓ W. GAB. HO., 1941
- ✓ BOAT, 1941 *R 53*
- ✓ E. GAB. HO., 1941
- ✓ E. GAB. HO., 1941
- ✓ E. GAB. HO., 1941

- ✓ CITY, 1941 *R 53*
- ✓ CLAM, 1941 *R 53*
- ✓ N. GAB. SHED, 1941

*These lists of Topo-Hydro
stations are not
complete. See map
for stations*

49. NOTES FOR THE HYDROGRAPHER (CONT'D)

New stations established by the Baltimore office: *(No Forms 524 filed)*

- ✓ SPIRE, 1953
- ✓ LEDGE HIGH PT., 1953
- ✓ LONE TREE, 1953
- ✓ S. E. GAB., 1953
- ✓ S. E. GAB., 1953
- ✓ S. GAB., 1953
- ✓ W. GAB., 1953
- ✓ S. W. GAB., 1953
- ✓ COR. WALL, 1953
- ✓ S. COR. PIER, 1953
- ✓ S. E. GAB., 1953
- ✓ N. W. COR. PIER, 1953
- ✓ N. W. COR. PIER, 1953
- ✓ N. W. GAB., 1953
- ✓ S. E. GAB. ON PIER, 1953
- ✓ N. W. COR. PIER, 1953
- ✓ END RUINED PIER, 1953
- ✓ S. GAB., 1953
- ✓ W. COR. PIER, 1953
- ✓ S. E. GAB., 1953
- ✓ CHY., 1953
- ✓ N. COR. PIER, 1953
- ✓ CHY., 1953
- ✓ BOULDER, 1953
- ✓ S. GAB. RED BARN, 1953

A set of photographs (scale 1:10,000) has been prepared for use in hydrographic surveys and has been submitted. These photographs contain detail points which are common to those on the manuscript.

* Chart sections are attached on which are indicated offshore details to be proven, disproven or located in position.

* Chart section removed from this report
Details will be applied with hydrography

Field Edit Report
Quad. T-11131
Project Ph. 104

51. Methods. The quadrangle was inspected by riding over all roads to check their classification, to classify buildings, to examine questioned areas and to visually check all mapped features and contours. Trails recommended to be deleted or retained on the map, were checked either by walking over them or by utilizing local information as to their existence and condition.

All shoreline and offshore features were inspected from a skiff. All islands were inspected for planimetry. The contour accuracy, on some of the islands was tested by elevations computed from tide curves. Some top elevations of bare islands were tested by vertical angle and scaled distances, as suggested by the Reviewer. Elevations obtained by this method are labeled on the field edit plane-table sheet.

All additions, corrections and deletions have been made on the field edit sheet or cross referenced to the photographs. Violet ink was used for all corrections and additions and green ink for all deletions. A legend appears on all field edit and plane-table sheets.

Field edit information appears on the discrepancy prints, one field edit sheet, three field edit plane table sheets, fourteen GS- PE ratio prints numbered; 1-11 through 1-16, 1-33 through 1-35, 1-37, 1-133, 1-177, 1-178 and 1-191.

52. Adequacy Of Compilation. The map compilation is near adequate and will be complete with the application of the field edit data.

53. Map Accuracy. No horizontal accuracy tests were made of the quadrangle. Plane-table traverses, in several areas, between mapped features, closed well, indicating the mapped features have relatively good position.

A pre-determined area was tested for the accuracy of the contours. After the allowable horizontal shift was applied, the tabulated summary reads as being 100 percent accurate. However, while the combined accuracy, of all areas tested, will meet the National Specifications for contouring it will not be 100 percent correct. In some areas small top contours were either not seen or were overlooked and on some of the small islands, in the southern part of the quadrangle, no contours at all were shown although the island height was shown as being fifteen feet above M.H.W.

Item # 40 of the Compilation Report states that vertical control point 31-54 is believed to have been misidentified. This point was misidentified and the elevation should not be shown on the map. The report also states that vertical control point # 31-06 is believed to be in error plus 60 feet. The plus 60 feet must be a typographical error and was probably intended for plus 6.0 feet. Vertical control point # 31-06 was checked and found to have an elevation of 11.5 feet and the original work gave an elevation of 11.3 feet. With this thought in mind it was then believed that the model might have an error of 6.0 feet in it. Therefore, some contours nearby were checked for accuracy. The contours, checked in this area, were found to have 5.0 feet or less error.

54. Recommendations. No recommendations are offered.

55. Examination Of Proof Copy. No one was requested to examine a proof copy of this map.

43 The point shown on the map at the approximate latitude and longitude of 45-58-45 and 69-16-30 is evidently no longer known as Burton Point. All persons contacted declare the point was once known as Burton Point but for the last fifty years it has been known as Hathorne Point and state road signs verifies this information. Names of the following residents are given as references:

Mr. Charles H. Bailey, Pleasant Point, Knox County, Maine, resident of the area for 20 years.

Mrs. Shannon Cushman, Pleasant Point, Knox County, Maine, resident of the area for 30 years.

Mr. Edward K. Maloney, Pleasant Point, Knox County, Maine, resident of the area for 60 years.

Mr. Alvaro Olson, Pleasant Point, Knox County, Maine, resident of the area for 60 years.

The pond, at the approximate latitude and longitude of 43-57 and 69-15-30, shown as "Howard Pond" is no longer known by that name. Residents of the area agree that the pond was once known by that name as quite a bit of the surrounding land was owned by a Mr. Howard. The name now in common usage is "Turkey Pond". Names of the following residents are given as references:

Mr. Myron Hupper, Port Clyde, Maine, resident of the area 46 years.

Mr. Marius Martinsen, Glenmere Road, Tenants Harbor, Maine, resident of the area for 41 years.

Mr. Lawry McClellan, Glenmere Road, Tentants Harbor, Maine, resident of the area for 74 years.

The name of the island just west of Port Clyde, shown as "Hooper Island", may be mis-spelled. There are quite a few residents of the area whose name is Hupper. Their ancestors were the first to settle on the island. Many persons were contacted concerning this name and with the exception of one, all agreed that the island is known as "Hupper Island". The person who did not agree declares that some of the settlers spelled their name Hooper and some Hupper. It is believed it would be more correct to show the name of this island as "Hupper". Names of the following residents are shown as references:

Mr. Daniel W. Carter, Port Clyde, Maine, resident of the area for 44 years.

Mr. Sam Jonason, Port Clyde, Maine, resident of the area for 10 years.

Mr. Allison Wilson, Port Clyde, Maine, resident of the area for 50 years.

Mr. Enid Monaghan, Port Clyde, Maine, resident of the area for 35 years.

Mrs. Levi Hupper, Port Clyde, Maine, resident of the area for 40 years.

Respectfully submitted,
8/4/55

Elgan T. Jenkins
Elgan T. Jenkins
Cartographer

2-28-56:

It is preferable to make
no ~~data~~ changes until we
can get action by B.G.N.

Hupper I and Howard
Pond referred to
B.G.N. in 1941 - no
action. Hathorne
Pt is now reported
as Burton Pt was
checked in 1940
as correct with

TOPOGRAPHIC MAPPING

Summary & Abstract of Vertical Accuracy Test

Project No. Ph-104 Me. Quad. No. T-11131 N. Quad. Name Misconigus Bay
Method of Testing Standard Planetable Profile
Tested by E.T.J. Date 7-20-55 Evaluated by R.L.S.
Contour interval 10 ft. 1.22 M.M. allowable shift at 1-10000
map or manuscript scale.

<u>28</u>	Total number of points tested
<u>100</u>	% of points within $\frac{1}{2}$ contour interval or better
<u>28</u>	Test points correct within $\frac{1}{2}$ contour interval
<u>0</u>	Test points in error between $\frac{1}{2}$ and full contour interval
<u>0</u>	Test points in error over full contour interval

[illegible]

Summary to Accompany
Descriptive Report
T-11131

Topographic map T-11131 is one of 12 similar maps in Project 6104. This map includes part of Muscongus Bay and the Villages of Friendship and Port Clyde. The shoreline and planimetry were compiled from T-5621 and T-5622 (dated 1941-43) and corrected to 1955 by means of 1952-53 photographs, complete interior field inspection, partial shoreline inspection and a complete field edit. Other field operations preceding compilation included leveling for vertical control of stereo contour mapping and planetable contouring of certain areas (see page 2). The manuscript is in 2 sheets, each 3-3/4' in lat. by 7.5' in long. The maps are to be published by the Geological Survey at a scale of 1:24,000 as a standard 7.5' topographic quadrangle. The registered copies under T-11132 will include 2 cloth-mounted prints designated T-11132-N and T-11132-S, each at scale 1:10,000, and a color print (cloth mounted) of the published quadrangle.

JMY March '56

Review Report
Topographic Map
T-11131
March 1956

61. General Statement:

See Summary Report.

62. Comparison with Registered Topographic Surveys:

T-960	1:20,000	1864
1001	1:10,000	1865
1002	"	1865
1058	"	1866-67
1076	"	1867-68
1117	"	1867-69
5621	"	1941-43
5622	"	1941-43

Comparison with above surveys indicates no significant differences with T-11131. T-11131 supersedes all above surveys in common areas for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

Comparison was made with the NE/4 of USGS MONHEGAN, ME., 1/62,500, 1906 (reprint 1950)

Some differences in top elevations of Cranberry and Otter Island and in the drainage thru the flat area N of Friendship ^{are} noted. Otherwise, no appreciable differences are apparent except in cultural details.

64. Comparison with Contemporary Hydrographic Surveys:

H-6354	1:10,000	1943-44
6964	1:10,000	1944
6965	"	"
6967	"	"
6968	"	"
6969	"	"
6984	"	"

All differences with T-11131 have been resolved.

65. Comparison with Nautical Charts:

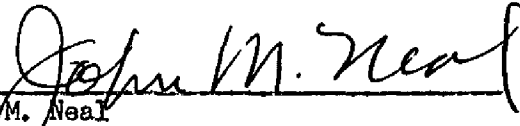
Chart 313	1:40,000	1949 (54-4/26)
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Cable area between Jameson Point and Friendship Island is incorrectly located on above chart. Otherwise, no critical differences are noted. Inland planimetry on the chart is obsolete by comparison with T-11131.


66. Adequacy of Results and Future Surveys:

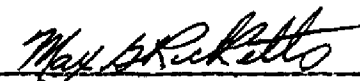
This map complies with all instructions and with the National Standards of Map Accuracy (see Field Edit Report). It is of adequate accuracy for use as a base for hydrographic surveys.

Reviewed by:


J. M. Neal

APPROVED:


Chief, Review and Drafting Section
Photogrammetry Division


Chief, Nautical Chart Branch
Charts Division


Chief, Photogrammetry Division
act


Chief, Coastal Surveys Division

