

11130 And 11134

11130 And 11134N

N&S

Diag. Cht. No. 1265-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

T-11130 and

Field No. Ph-104

Office No. T-11134

LOCALITY

State Maine

General locality Muscongus Bay

Locality Round Pond

1952-55

CHIEF OF PARTY

P. Taylor, Photogrammetric Party No. 1

E. H. Kirsch, Balto. Photo. Office

LIBRARY & ARCHIVES

DATE June 19, 1958

B-1870-1 (1)

DATA RECORD

T - 11130

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 1954

73 mkl 29 Dec. 1953

Method of Compilation (III): **Air Photographic (Kelsh)****Work sheet****Multiplex**~~Maximum~~ Scale (III): **1:10,000**~~Standard~~ Plotting Instrument Scale (III): **1:7,000****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): **6 Feb 1958**

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): **N.A. 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): **MUSCONGUS, 1859**Lat.: **43° 58' 42.398**Long.: **69° 26' 45.008**

Adjusted

~~XXXXXXXX~~

Plane Coordinates (IV):

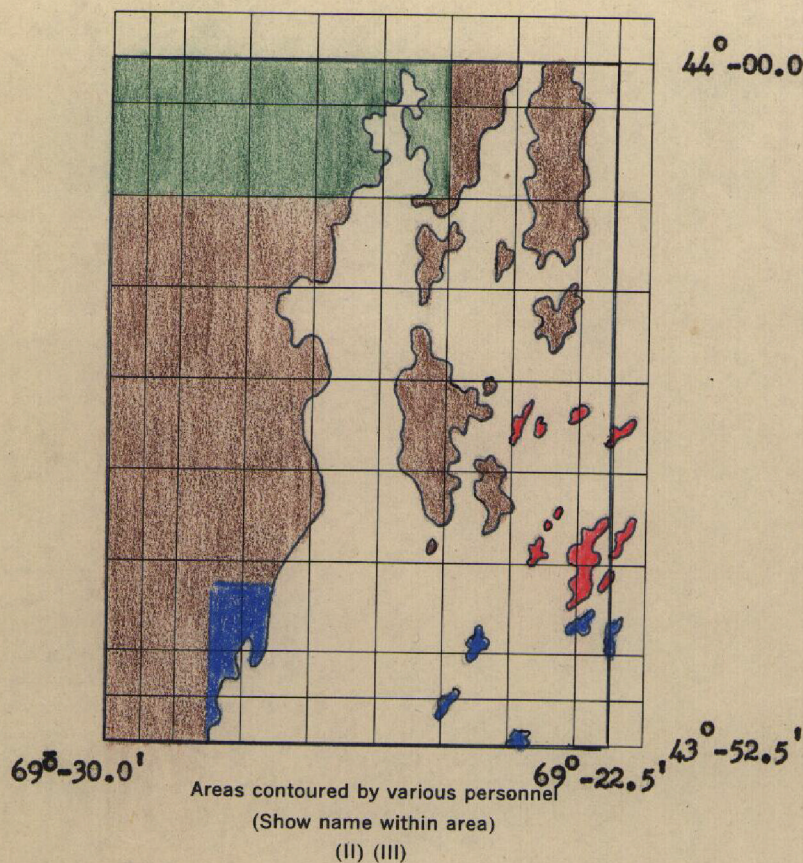
State: **Maine**Zone: **east and west**

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) Field
Blue - Contouring by John R. Smith)
Green - Contouring by Donald M. Brant) Office
Brown - Contouring by John C. Richter)

DATA RECORD

Field Inspection by (II): **Martin C. Moody, 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: **August to October, 1953**

Completion Surveys by (II):

Date:

George E. Varnadoc
Elgan T. Jenkins

July 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. 28, 1953**

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

Date: **Oct. 2, 1953**

Control plotted by (III): **John C. Richter**

Date: **July 12, 1954**

Control checked by (III): **James C. Cregan**

Date: **July 13, 1954**

~~Radio Plot~~ or Stereoscopic

Date: **Jan. 14, 1954**

Control extension by (III): **Edward H. Taylor**

Stereoscopic Instrument compilation (III):
 Planimetry (**D. M. Brant**)
 (**J. C. Richter**)
 Contours (**D. M. Brant**)
 (**J. C. Richter**)

Date: **May 10, 1954**
June 21, 1954

Date: **May 10, 1954**
June 21, 1954

~~Manuscript~~ delineated by (III): **Bernice Wilson (S/2)**
 Work sheets - **John C. Richter (N/2)**

Date: **July 14, 1954**

Photogrammetric Office Review by (III): **Raymond Glaser**

Date: **July 29, 1954**

Elevations on Manuscript

checked by (II) (III): **Raymond Glaser**

Date: **July 29, 1954**

USGS Single lens 6" focal length
 Camera (kind or source) (III): USGS Single lens 6" focal length Type J.

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
GS-PE 1-4 - 1-10	4/3/53	0858	1:17,000	1.5 above MLW
1-38 - 1-44	"	0935	"	2.7 " "
1-139 - 1-145	"	1023	"	4.0 " "
1-157 - 1-167	"	1040	"	4.8 " "
52-J-2680 - 2682	7/13/52	0825	1:10,000	0.0 " "
2706 - 2712	"	0836	"	" " "
2719 - 2725	"	0843	"	" " "
2726 - 2732	"	0848	"	" " "
2740 - 2756	"	0855	"	" " "
2771 - 2784	"	0904	"	" " "
3109 - 3116	7/14/52	0955	"	0.3 " "
3121 - 3125	"	1000	"	" " "

Tide (III)

Reference Station: Portland, Maine
 Subordinate Station: Muscongus Harbor, Muscongus Sound
 Subordinate Station:

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

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 24

Shoreline (More than 200 meters to opposite shore) (III): 40

Shoreline (Less than 200 meters to opposite shore) (III):

Control Leveling - Miles (II): 79

Number of Triangulation Stations searched for (II): 10

Number of BMs searched for (II): 7

Number of Recoverable Photo Stations established (III): 6

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

Recovered: 9 Identified: 7
 Recovered: 7 Identified: 3

~~TRIANGLE~~

Number of Triangulation Stations

Number of Traverse Stations

Established: 1 Identified: 1

Established: 8

DATA RECORD

T - 11134

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 1954****73 mkl 29 Dec. 1953**Method of Compilation (III): **Air Photographic (Kelsh)****Multiplex**Manuscript Scale (III): **1:10,000**~~STANDARD~~ Plotting Instrument Scale (III): **1:7,000**
Kelsh " " " " 1:10,000Scale 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): **N.A. 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): **YELLOWHEAD 2, 1934**Lat.: **43° 51' 26.994"**Long.: **69° 29' 38.464"**

Adjusted

~~STANDARD~~

Plane Coordinates (IV):

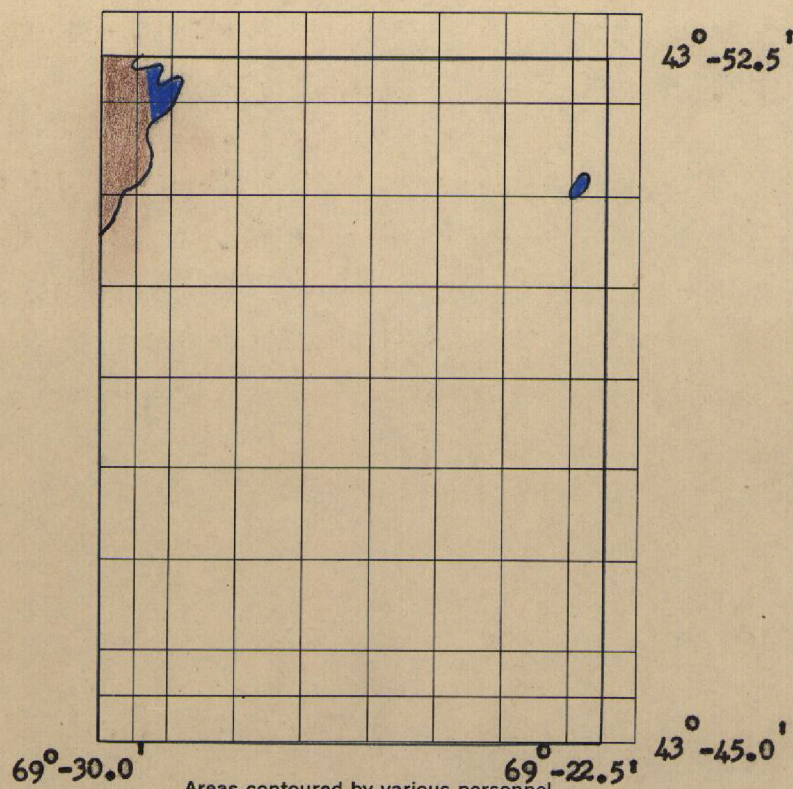
State: **Maine**Zone: **east and west**

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.



Areas contoured by various personnel

(Show name within area)

(II) (III)

Blue - Contouring by John R. Smith - Field
Brown - Contouring by John C. Richter - Office

DATA RECORD

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

Date: **Sept. to Oct., 1953**

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

Date: **August to October, 1953**

Completion Surveys by (II):

George E. Varnadoe
Elgan T. Jenkins

Date:

July 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: **29 Sept. 1953**

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

Date: **2 Oct. 1953**

Control plotted by (III): **James C. Cregan**

Date: **12 July 1954**

Control checked by (III): **John C. Richter**

Date: **13 July 1954**

~~Radar Plot~~ Stereoscopic

Control extension by (III): **Edward H. Taylor**

Date: **14 Jan. 1954**

Stereoscopic Instrument compilation (III):

Planimetry **John C. Richter**

Date: **21 June 1954**

Contours **John C. Richter**

Date: **21 June 1954**

Manuscript delineated by (III): **Catherine A. Lipscomb**

Date: **9 July 1954**

Photogrammetric Office Review by (III): **Raymond Glaser**

Date: **23 July 1954**

Elevations on Manuscript

checked by (II) (III): **Raymond Glaser**

Date: **23 July 1954**

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

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
GS-PE 1-151 - 1-153	4/3/53	1030	1:17,000	4.4 above MLW.
52-J-2678 - 2679	7/13/52	0823)		
2713 - 2718	"	0839)	1:10,000	0.1 above MLW
2733 - 2736	"	0845)		

Tide (III)

Reference Station: Portland, Maine
 Subordinate Station: New Harbor, Muscongus Bay
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
-	8.9	10.2
1.0	8.8	10.1

Washington Office Review by (IV):

Date: Feb 1956

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 1
 Shoreline (More than 200 meters to opposite shore) (III): 4
 Shoreline (Less than 200 meters to opposite shore) (III):
 Control Leveling - Miles (II):
 Number of Triangulation Stations searched for (II): 5
 Number of BMs searched for (II): None
 Number of Recoverable Photo Stations established (III):
 Number of Temporary Photo Hydro Stations established (III):

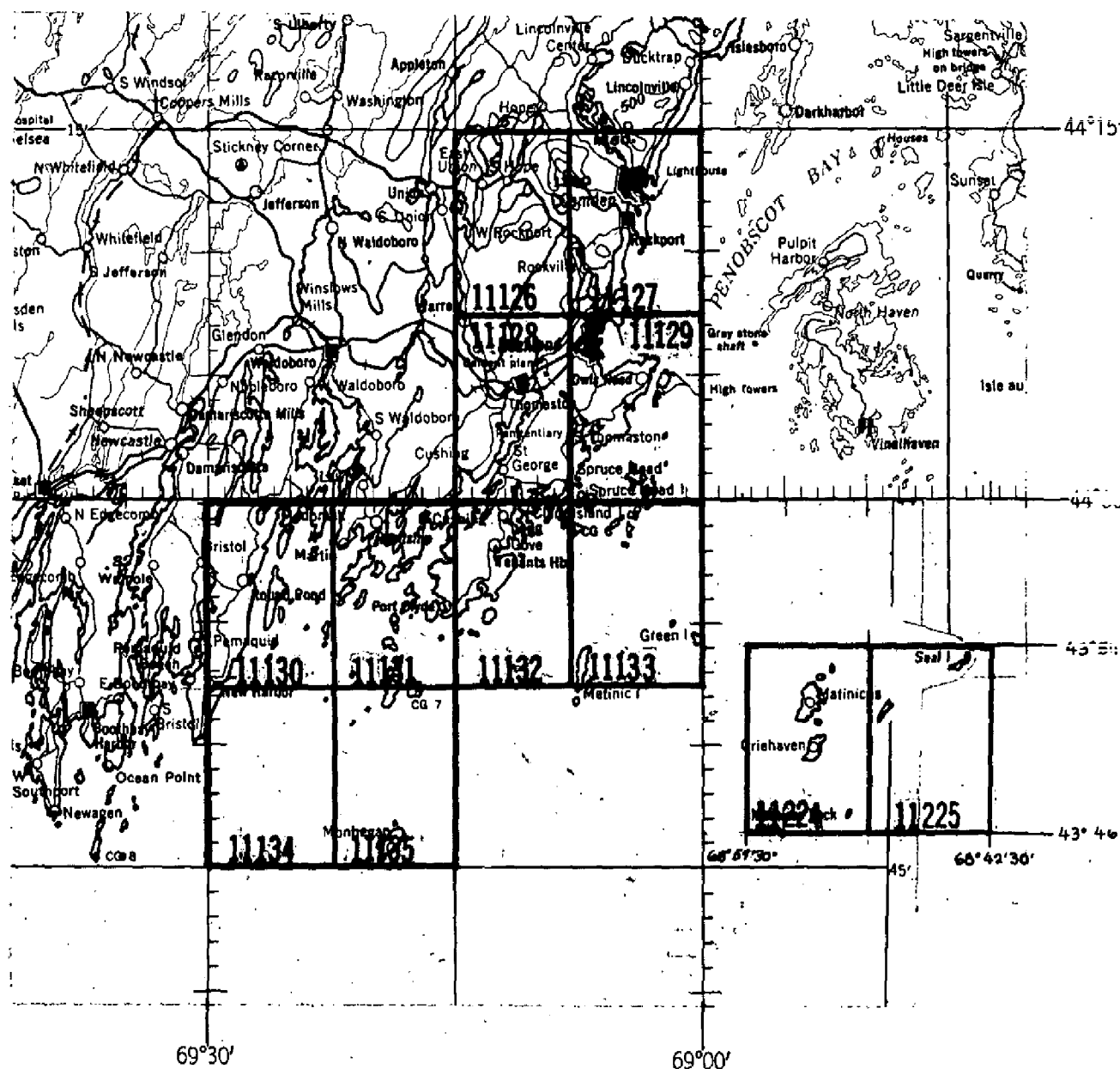
Recovered: 4
 Recovered:

Identified: 1
 Identified:

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

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT
T-11130 and T-11134

Topographic maps T-11130 and T-11134 are two of 12 similar maps in project 6104. These two maps include Muscongus Sound, part of Muscongus Bay and the villages of New Harbor and Round Pond. The shoreline and planimetry were compiled from T-5998, T-5999 and T-5991 (1941-44) and corrected to date of 1955 by 1952 and 1953 photographs, complete interior field inspection, partial shoreline inspection and complete field edit. Other field operations preceding compilation included leveling for vertical control of stereo contouring, planetable contouring where the photo coverage was inadequate for instrument contouring and the establishment of supplemental horizontal control. The manuscripts consist of 3 sheets, each $3\frac{3}{4}'$ in latitude by $7\frac{1}{2}'$ in longitude at scale 1:10,000. The maps are to be published by the Geological Survey at a scale of 1:24,000 as standard topographic quadrangles. The registered copies under T-11130 will include 2 one-half quadrangle cloth-mounted prints at scale 1:10,000 designated as T-11130-N and T-11130-S and a cloth-mounted color print at scale 1:24,000. Registered copies under T-11134 will be similar to those under T-11130 except only one sheet at 10,000 scale, designated T-11134-N, will be registered since the S/2 of this quadrangle includes no land area.


John M. Neal

FIELD INSPECTION REPORT
Quadrangles T-11130 and T-11134
Project Ph-104

2. AREAL FIELD INSPECTION

The land area of these quadrangles is comprised of a part of Pemaquid Peninsula and several islands of various sizes. Except for two small fishing villages, Round Pond in T-11130, and New Harbor in T-11134, the mainland is sparsely settled and heavily wooded. The terrain is hilly and irregular and is cut up by many streams and ponds.

Two of the islands in T-11130 - BREMEN LONG ISLAND and MUSCONGUS ISLAND - are settled by fishermen and are served by primitive roads.

A field edit of the planimetric sheets was made. All revisions except deletions were made on the photographs and references made on the planimetric sheets. It is believed that the field inspection is now adequate and complete.

3. HORIZONTAL CONTROL

One triangulation station "MARSH, 1953" was established on Marsh Island near the south central part of Quadrangle T-11130.

A traverse was run just west of the limits of the quadrangles for almost the entire length of the land area of the quadrangles, originating at triangulation station ARISS, 1860 and terminating at triangulation station PEMAQUID 2, 1934 for a total distance of approximately 10 miles. Its designation is A.P.

Thirteen control points were located and identified along this traverse line including two intersection stations and one monumented station.

A copy of the report for this traverse will be submitted at a later date.

A control point was located near the northwestern corner of Quadrangle T-11130 by intersection methods from JOHNSON, 1859 and MUSCONGUS, 1859. Its designation is Control Point M.J.

Control Point COW ISLAND was located by 3-point fix method. It is near the east central part of Quadrangle T-11130, on Cow Island.

One station is reported destroyed. It is WHITE HO. CHY. 1859.

4. VERTICAL CONTROL

On the mainland vertical control for Multiplex contouring is based on U.S.G.S. bench marks of third order accuracy and tidal bench marks of this bureau, with the exception of one elevation (30-98). This was established from tide water

The bench marks used are:

T-7 USGS
T-8 "
T-9 "
T-11 " } W of 11130

New Harbor, Muscongus Bay TEM 1 - 11130-S

Moxie Cove TEM 1 11130-S

Muscongus Harbor TEM 1 11130-N

Fort Point, Pemaquid Beach, Jones Bay TEM 3 W of 11134

Elevations were established by differential leveling, trigonometric leveling and plane table. Differential leveling was used along roads where practical. Trigonometric leveling was used in the rougher areas where points could be identified on the photographs and the plane table was used where necessary for identification of the control points. All closures were within the allowable error.

On the islands the control is all based on the tide water using a special predicted tide curve furnished by the home office. The elevations there were established by plane table (vertical angles). All of the lines were short and all closures were within the required accuracy.

The first and last level points are numbered 30-1 and 30-119.

5. CONTOURS AND DRAINAGE

A few of the small islands in T-11130 plus a section of the mainland in both quadrangles were contoured by plane table methods. All elevations on the islands and that part of the mainland in T-11130 are based on the tide water as discussed under Item 4. On that part contoured in T-11134 the elevations were tied into level lines.

Only the first two contours (10 and 20) were surveyed on the mainland in Quadrangle T-11130. This is as specified by the Photogrammetrist attached to the party.

The islands were contoured early in the season on the Loftrite prints of the planimetric sheets furnished.

The parcels of the mainland were contoured on a transparency of the planimetric sheet. The ratio print of the photograph (of the same scale) was fastened underneath this sheet for use on the plane table which gave the advantage of working on a true scale plus the obvious advantages of a photograph for ready reference. After elevations were established and the contours drawn in pencil in the field the elevations were inked in the office and the contours were reshaped with the stereoscope, working directly through the transparency. Inasmuch as an attempt was made to take advantage of the photographs and stereoscope while working on the loftrite prints through the medium of tracing paper, etc. it is believed that the advantages of the transparencies are obvious.

6. WOODLAND COVER

About ninety per cent of the land area in this quadrangle is woodland. This consists mostly of birch, spruce, pine and hackmatack which grow on high land. In the swamp areas, of which there is little in this quadrangle, alders grow thick and consistently.

Sufficient characteristic areas have been classified for delineation of these areas.

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 made.

(b) The low water line was inspected visually at low water. The low water around coves and flats is shown on the photographs in sufficient places to allow the compiler to delineate the low water line.

(d) The bluffs will be depicted by the contours.

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

(f) There are no submarine cables in this quadrangle.

8. OFFSHORE FEATURES

The mean low water was inspected visually at low water. No difficulty should arise for the compiler as the shoreline is mostly rocky bluffs.

No offshore features were noted that are not evident on the low water photography. Copies of the nautical charts of the area with inspection notes are being submitted for the project.

9. LANDMARKS AND AIDS

Landmarks and fixed aids to navigation have been reported on Form 567. All aids in the area were previously located and mapped and it was determined that they have not been moved or rebuilt since they were located.

10. BOUNDARIES, MONUMENTS AND LINES

This information is to be found in a special report, which was submitted by Mr. James A. Clear, Jr., dated 6 November 1953.

11. OTHER CONTROL

In accordance with the instructions for this project, no monumented topographic stations were established. However, eight monumented stations which were established in 1943 were recovered and reported on Form 524.

12. OTHER INTERIOR FEATURES

All roads, buildings and other features to be mapped have been classified on the photographs in accordance with the Topographic Manual. There are no bridges or cables over navigable waters.

13. GEOGRAPHIC NAMES

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

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

None except those discussed under Items 9, 10 and 13.

9 November 1953

Submitted by:

George E. Varnados

George E. Varnados,
Photogrammetric Engineer

9 November 1953

Approved by:

Paul Taylor

Paul Taylor
Commander, USC&GS
Chief of Party

TRAVERSE REPORT
ARISS 1860 TO PEMAQUID 2, 1934
PROJECT PH-104, MAINE

NOVEMBER, 1953

The designation of this traverse is A.P. Its purpose was to furnish horizontal control for photogrammetric mapping on Project Ph-104. It is approximately 10 miles in length and consists of 68 unmarked instrument stations, 6 monumented stations, in intervisible pairs, and two natural objects, which were located by intersection, making a total of 74 instrument stations.

The azimuths of the line were computed from the grid azimuth of the line ARISS 1860 - NORWOOD 1860 through 60 instrument stations to the azimuth line of PEMAQUID 2, 1934 - PEMAQUID 2, RM 2, 1934 with an azimuth closure of 76 seconds. Reference Mark No. 2 is 185.39 feet distant from the station and Reference Mark No. 1 is 109.50 feet distant. The angle between these reference marks was carefully measured (one second difference between two directions) and failed to agree with the 1934 measurement by 36 seconds.

A Polaris was observed from the last traverse station along the line (267.58 feet distant from PEMAQUID 2, 1934). The computed traverse azimuth closure to this Polaris was 85 seconds and it was to this Polaris azimuth that the traverse azimuth was adjusted. The azimuth was further adjusted to 2 additional Polaris observations about equally spaced along the line. The largest angle correction was 85 seconds.

Distances were measured, both forward and backward with a 200 foot standardized steel tape. Differences of elevation of tape supports were obtained along the forward measurement with a Zeiss Opton level, and along the backward (check) measurement with an Abney level (measuring the percent of grade). Measurements between all stations are in good agreement.

The distance check obtained between ARISS 1860 and PEMAQUID 2, 1934 is 1:26,795.

The differences of elevation of the tape supports were transferred from the Wye Level Volumes to the "Set back" column of the Traverse Measurements Volumes (Form 590). Temperature, slope, tape and catenary corrections are shown in red pencil in these volumes and the corrected ground distances shown below.

All corrections, computations and adjustments were made in the field. The forward measurement only was used in the computation.

On Form 738 the corrected measured ground distances are shown in parenthesis. The sea and grid factors were then applied and the grid distance shown underneath.

Preliminary computations were made to obtain distance of the closed loops on separate sheets of Form 738.

All records, computations and sketches are submitted to the Division of Geodesy and a list of Plane Coordinates of all stations and control points to the Division of Photogrammetry.

Paul Taylor
Commander, USC&GS
Chief of Photo. Party No. 1

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

MAP T 11130

PROJECT NO. Ph-104

SCALE OF MAP 1:10,000

SCALE FACTOR 1,000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ϕ -COORDINATE LONGITUDE OR λ -COORDINATE		DISTANCE FROM GRID IN FEET METERS OR PROJECTION LINE IN METERS		N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
			9	0	FORWARD	(BACK)	FORWARD	(BACK)	
BAR ISLAND CHY. ON HOUSE, 1934	G-6793 p. 289	N.A. 1927	43	54	23.313	719.5	(1132.3)		
			69	26	27.445	612.4	(726.5)		
BROWNS HEAD 2, 1934	GP p. 138	"	43	54	11.921	367.9	(1183.9)		
			69	27	36.217	808.3	(530.8)		
DAVIS, 1859	G-4733 p. 20	"	43	54	32.207	994.0	(857.8)		
			69	23	01.936	43.2	(1295.7)		
GULL, 1859	GP p. 138	"	43	52	40.028	1235.4	(616.4)		
			69	24	58.982	1316.8	(22.7)		
MUSCONGUS, 1859	GP p. 138	"	43	58	42.398	1308.6	(543.3)		
			69	26	45.008	1003.1	(334.2)		
FRANKLIN ISLAND L. H., 1859	G-6793 p. 290	"	43	53	31.612	975.7	(876.2)		
			69	22	31.223	696.9	(642.3)		
MARSH, 1953	Form 28B (Field)	"	43	55	03.327	102.7	(1749.1)		
			69	25	22.327	498.1	(840.6)		
OAK, 1953	Traverse ARISS to FEMAQUID	"	23,114.5			949.3	(574.7)		
			235,661.2			201.5	(1322.5)		
APPLE, 1953	"	"	24,595.5			1400.7	(123.3)		
			235,527.6			160.8	(1363.2)		
CHASE, 1953	"	"	37,400.9			731.8	(792.2)		
			232,178.5			664.0	(860.0)		
T-9(USGS), 1953	"	"	46,864.5			568.3	(955.7)		
			234,147.3			1264.1	(259.9)		
TINK, 1953	"	"	36,291.7			393.7	(1130.3)		
			232,450.1			746.8	(777.2)		

1 FT. = 3048006 METER

COMPUTED BY: E. H. Taylor

DATE 12/15/53

CHECKED BY: H. P. Eichert

DATE 12/17/53

COMM-DC-57843

SCALE FACTOR 1.000

1 FT. = 3048006 METER
COMPUTED BY H. P. Eichert
DATE 2/16/54
CHECKED BY A. K. Heywood
DATE 17 Feb. 1954
COMM. DC-57843

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

MAP T. 11130

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 x -COORDINATE	DISTANCE FROM GRID IN FEET OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
CONTROL POINT MJ, 1953	Office Comp. from Field Data	N.A. 1927	60,989.24 249,293.70	301.5	(1222.5)				
CONTROL POINT COW ID, 1953	Field Data	"	PROTRACTOR	1308.7	(215.3)				
CONTROL POINT AP 1	Traverse from AP 2 to PEMAQUID	"	57,501.2 225,547.2	762.4	(761.6)				
CONTROL POINT AP 2	"	"	54,724.4 228,865.4	166.8	(1357.2)				
CONTROL POINT AP 3	"	"	50,519.3 232,242.8	1440.0	(84.0)				
CONTROL POINT AP 4	"	"	44,026.6 232,578.5	1178.2	(345.8)				
CONTROL POINT AP 5	"	"	40,208.3 232,998.0	158.3	(1365.7)				
CONTROL POINT AP 6	"	"	35,161.4 232,070.7	683.6	(840.4)				
CONTROL POINT AP 7	"	"	30,481.3 232,025.0	1227.3	(296.7)				
CONTROL POINT AP 8	"	"	23,042.8 235,696.8	785.9	(738.1)				
CONTROL POINT AP 9	"	"	19,174.6 236,251.0	63.5	(1460.5)				
Sub. Sta. MUSCONGUS, 1859	Office Comp.		54,248.05 251,039.93	913.8	(610.2)				
				49.2	(1474.8)				
				631.1	(892.9)				
				146.7	(1377.3)				
				617.2	(906.8)				
				927.4	(596.6)				
				212.4	(1311.6)				
				1272.4	(251.6)				
				381.3	(1142.7)				
				1294.8	(229.2)				
				316.7	(1207.3)				

1 FT. = .3048006 METER

COMPUTED BY: H. P. Eichert

DATE 2/18/54

CHECKED BY: A. K. Heywood

DATE 2/18/54

COMM-DC-5784

MAP T- 11130

PROJECT NO..... Ph-104

SCALE OF MAP..... 1:10,000

SCALE FACTOR 1,000

[illegible]

1 FT. = .3048006 METER

COMPUTED BY: H. P. Eichert

DATE 2/18/54

CHECKED BY: A. K. Heywood.

DATE 2/18/54

COMM-DC-57843

MAP T. 11134

PROJECT NO. Ph-104

SCALE OF MAP
1:10,000

SCALE FACTOR
1.000[illegible]

1 FY. = 3048006 METER

COMPUTED BY: E. H. Taylor

DATE 15 December 1953

CHECKED BY: H. P. Eichert

DATE:

18 Dec. 1953

COMM-DC-57843

SCALE FACTOR 1.000

1 FT. = .3048006 METER	DATE	5/13/54
COMPUTED BY: J. C. Richter	CHECKED BY: A. K. Heywood	DATE
		5/13/54

COMM. DC. 57843

PHOTOGRAMMETRIC PLOT REPORT
Project Ph-104

21. AREA COVERED

Survey Nos. T-11130 and T-11134.

22. METHOD

See Photogrammetric Plot Report for T-11131 and T-11132, bound with Descriptive Report for T-11131, item 22, paragraph one and two.

23. ADEQUACY OF CONTROL

Considering our use of previous planimetric surveys, control complied with project instructions and was adequate.

CONTROL POINT AP-3 (temporary station) could not be held in strip 1-3 thru 1-8 along with four other control points. The error which may be in identification was as much as 160 meters, the multiplex position plotting almost directly to the north. The point was therefore rejected.

One other point, FRANKLIN I. L. H., 1859 was not used as it was beyond the limits of the photography used in bridging.

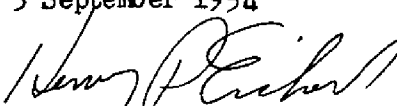
24. SUPPLEMENTAL DATA

T-5998 and T-5999, previous planimetric surveys of this bureau were used as aids where individual models with only one control point were set.

25. PHOTOGRAPHY

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

Respectfully submitted
3 September 1954


Henry F. Eichert
Super. Carto.



▲ HOR. CONTROL PT. IDENTIFIED AND HELD

△ HOR. CONTROL PT. IDENTIFIED BUT NOT HELD

- | | |
|------------------------|--------------------------------|
| 1 CONTROL PT. AP 1 | 14 T-9(USGS), 1953 |
| 2 " " AP 2 | 15 CONTROL PT M.J |
| 3 " " AP 3 | 16 MUSCONGUS, 1859 |
| 4 " " AP 4 | 17 DELANO, 1934 |
| 5 " " AP 5 | 18 FRIENDSHIP WH. CH. SP, 1934 |
| 6 " " AP 6 | 19 CONTROL PT COW I |
| 7 " " AP 7 | 20 ROUND POND CH. SP, 1859 |
| 8 " " AP 8 | 21 MARRSH, 1953 |
| 9 " " AP 9 | 22 DAVIS, 1859 |
| 10 " " AP 10 | 23 RAR I CHY ON HO., 1934 |
| 11 YELLOW HEAD Z, 1934 | 24 BROWNS HEAD Z, 1934 |
| 12 BELL TOWER, 1953 | 25 FRANKLIN I L.H., 1859 |
| 13 CHURCH SPIRE, 1953 | |

SKETCH OF CONTROL
PH-104
ROCKLAND, ME.

COMPILATION REPORT
Project Ph-104
Surveys T-11130 & T-11134

31. DELINEATION

Since the entire survey is to be prepared by direct scribing at the Washington office, the final office compilation remained on the vinylite work sheets. See Compilation Report for Survey T-11132, item 31, para. 1.

Triangulation stations which were recovered by the field party were plotted on the manuscript and do not appear on the work sheets. Those stations not recovered, but not reported lost, were transferred from the loftrite to the work sheets by aligning the projection ticks on the work sheet with the projections on the loftrite and pricking direct.

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

32. CONTROL

Refer to Photogrammetric Plot Report paragraph 23.

Except for certain areas, as noted on the discrepancy overlay for check by field edit, the vertical control was adequate.

33. SUPPLEMENTAL DATA

Planimetric surveys T-5991, T-5998 and T-5999 from Project CS-272 C were used as a base for compilation of this manuscript.

County Highway Map, Lincoln County.

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. Most of the shoreline from the previous planimetric surveys, which appeared to be reasonably correct, was not changed. 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 was interpreted by this office.

36. OFFSHORE DETAILS

Refer to "Notes to Hydrographer".

37. LANDMARKS AND AIDS

There are two landmarks and three aids within the bounds of these surveys.

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.

All 1953 stations were located by Kelsh Plotter.

39. JUNCTIONS

Junction has been made with Survey T-11131 and T-11135 to the east.

No contemporary surveys are to the north and west.

To the south is water.

40. HORIZONTAL AND VERTICAL ACCURACY

Refer to first paragraph of item 40, Compilation Report for T-11132.

Model 1-142-1-143 was leveled and contoured in halves. Leveling on field elevations, the water surface read +.5 mm in the middle of the model. The contours in this model should be field checked.

Model 1-166 - 1-167 had to be leveled in halves due to 1.0 mm "hump" in the middle of the model. There were sufficient field elevations to prove the "hump". Since the edge of the model will join a future USGS survey, these contours should be field checked.

40. HORIZONTAL AND VERTICAL ACCURACY (cont'd)

No Forms 685A were received for TBM 1, New Harbor, Muscongus Bay. TBM 1, was identified on Photo. GS-PE-1-152.

41. BOUNDARIES

Boundaries were compiled from General Highway Map Lincoln County, Maine, scale 1/2" per mile with the aid of three recovered boundary monuments.

42 - 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with Geological Survey map Monhegan, Maine, scale 1:62,500, edition of 1906, reprinted 1950.

47. COMPARISON WITH NAUTICAL CHARTS

Chart 313, scale 1:40,000 published Feb. 1949, (10 edition) corrected Jan. 28, 1952.

Items to be applied to nautical charts immediately:
None.

Items to be carried forward:
None.

Respectfully submitted
July 21, 1954

John C. Richter

John C. Richter
Carto. Photo. Aid

Approved and forwarded

9/17/54

E. H. Kirsch

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

OFFICE COPY

PHOTOGRAMMETRIC OFFICE REVIEW

T-11130 & T-11134

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. P. Blaser Henry P. Blaser
Reviewer Supervisor, Review Section or Unit

41. Remarks (see attached sheet) * Work sheets only on T-11130

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

Joseph Steinberg
Supervisor

43. Remarks:

48. GEOGRAPHIC NAME LIST

- Bar Island
- (1) Bar Island Ledge
- Biscay Pond
- Black Island
- Black Island Ledge
- Boyd Pond
- Bremen
- Bremen Long Island
- Bremen Township
- Bristol Township
- Browns Cove
- Browns Head
- Browns Head Cove
- (2) Browns Head Ledge ✓
- Bull Point
- (1) Chamberlain
- Clam Island
- Coombs Ledge
- Cow Island
- (4) Cow Island Dry Ledges
- Cow Island Ledges
- (2) Cow Island Sunken Ledges ✓
- Crane Island
- Crotch Island
- Crow Island
- Devils Back
- (2) Devils Elbow ✓
- (2) Devils Limb ✓
- Flying Passage
- Franklin Island
- Friendship Township
- (2) Garden Island South Ledge ✓
- Greenland Cove
- (1) Haddock Island
- (2) Haddock Island Ledge ✓
- (2) Haddock Island Kelp Ledge ✓
- Halftide Ledge
- Hall Island
- Harbor Island
- (2) Harbor Island Rock ✓
- Hastings Pond
- Hockomock Channel
- Hockomock Point
- Hog Island
- (1) Hog Island Bar
- (1) Hog Island Ledge
- Hough Ledge
- Hungry Island

48. GEOGRAPHIC NAME LIST (cont'd)

- Indian Ledge Island ✓
(2) Inner Ledge ✓
- Jims Island
Jims Island Ledge
Jones Garden Island
- Keene Narrows
Keene Neck
Killick Stone Island
Knox County
- Lincoln County
Little Franklin Ledge
Little Pond
Long Cove
Long Cove Point
(1) Long Island Ledges
Loudville
Louds Island
Lower Narrows
- Maine 32 (highway)
Maine 130 (highway)
Marsh Harbor
Marsh Island
Medomak
(4) Middle Ledges
(4) Moxie Cove
Muscongus
Muscongus Bay
Muscongus Harbor
Muscongus Sound
- New Harbor (town)
- Oar Island
- Palmer Island
Pemaquid Neck
Pemaquid River
(3) Poland Ledges ✓ (2) Poland North Ledge ✓
(2) Polins East Ledge ✓ (2) Poland South Ledge ✓
Polins Ledges

48. GEOGRAPHIC NAME LIST (cont'd)

- R Ram Island
Ram Ledges
Ross Island
Ross Pond
Round Pond (bay)
Round Pond (town)
(2) Round Rock ✓

(2) Salt Pond Ledge ✓

Thief Island
Thrumcap Island

Webber Dry Ledge
(2) Webber North Ledge
Webber Pond
(1) Webber Sunken Ledge
Western Egg Rock
Wreck Island
(1) Wreck Island Ledges

- (1) From Nautical Chart 313.
(2) From Nautical Chart 313. Feature not on manuscript.
(3) From Geographic Names quad. Feature not on manuscript.
(4) From planimetric surveys T-5998 and T-5999.

Disputed:

→ U.S. Board decision as Hog I. Bar in 1949.
a.j.w.
Hog Island Bar, taken from the chart, appears on T-5998 as
Muscongus Bar.

Names approved
4-7-55
a.j.w.

(Those checked
are approved as
well as those
underlined. The checked ones
on manuscript and need not
appear on sheet.)
ajw

48. GEOGRAPHIC NAME LISTAtlantic Ocean ✓Back Cove ✓Bristol Township ✓Eastern Egg Rock ✓** Egg Rock N. Ledge** Egg Rock S. LedgeFriendship Township ✓Knox Co. ✓Lincoln Co. ✓Little Island ✓** ~~Moser Ledge (6/2 no photo coverage)~~New Harbor (Bay) ✓New Harbor (Town) ✓* New Harbor Dry Ledges** New Harbor Sunken LedgesPemaquid Neck ✓Pumpkin Cove** Pumpkin Cove Ledge** South LedgeSt. George TownshipYellow Head

* Names were taken from Nautical Chart No. 313.

** { Feature not on manuscript - name from Chart 313.

*{ These names deleted by Reviewer will be added
when Hydrography is applied**Names approved**4-7-55**a.d.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. In cases where the non-monumented topographic points established in 1943 could not positively be identified and also appeared incorrect, these points have been deleted.

BANK, 1943
S. GAB. HO., 1943
E. GAB. GRAY HO., 1943
GRASS, 1943
KILL, 1943

LAND, 1943
E. GAB. HO.
G. USE, 1935
BM USE, 1943 — *deleted*
D USE, 1935

x 40' FLAGPOLE *deleted*
E. GAB. HO.
E. GAB. BOATHOUSE
W. GAB. HO.
~~CUP. HO.~~ *deleted by field edit*

S.W. GAB. HO.
FISH, 1943
COAL, 1943
E. GAB. BOATHOUSE
E. GAB. BOATHOUSE

N. GAB. HO.
COAL, 1943
W. GAB. HO.
W. GAB. WHITE HO., 1943
W. GAB. HO.

*** WHITE 30' FLAGPOLE
N. GAB. COTTAGE TRIMMED IN WHITE
SLIP (STD. BR. DISC.)
CHY. ON GRAY SHINGLED HO.
N.E. GAB. TWO STORY GREY HO.

W. GAB. TWO STORY WHITE HO.
COOK (STD. BR. DISC.)
N. GAB. TWO STORY HO. GREEN ROOF
HOOF (STD. BRONZE DISC.)
FEAR (STD. BRONZE DISC.)

S. GAB. SHINGLED HO.
DUCK (STD. BRONZE DISC.)
W. GABLE YELLOW HO.

*** Non-monumented station which could neither be verified nor proven incorrect. Station is carried forward.

Notes in blue by Reviewer

49. NOTES FOR THE HYDROGRAPHER (Cont'd)

New stations established by Baltimore Photogrammetric office, in addition to the foregoing are:

S. GAB 1953✓

W. GAB., 1953

W. GAB., 1953✓

E. GAB., 1953✓

E. GAB., 1953✓

N. Gab., 1953✓

S. GAB 1953✓

~~MEN, 1953~~

W. GAB 1953✓

deleted (n.d.)

A set of ratio prints (scale 1:10,000) has been prepared for use in hydrographic surveys and submitted on 30 July 1954. The photographs contain certain detail points which are common to those on the manuscripts.

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

T-11130 N

Forms 524 are filed under T 5998 for
all stations dated 1943

The 1953 stations are not described (form 524)

T-11130 S

Forms 524 are filed T 5999 for all
stations dated prior to 1953

The 1953 stations are not described (form 524)

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. Several of the non-monumented topographic points established in 1943, but which could not be positively verified, and appeared incorrect, have been deleted.

VII U.S.E., 1935

VI U.S.E., 1935

IV USE, 1935

III USE, 1935

II USE, 1935

BOULDER USE, 1943

H.H. USE, 1935

A. USE, 1935

W.B. USE, 1943

B. USE, 1935

C. USE, 1935

D. USE, 1935

BRICK CHY ON GRAY COTTAGE 1943

* BLACK IRON SPINDLE NEW HARBOR 1943

A set of ratio prints (scale 1:10,000) has been prepared for use in hydrographic surveys and submitted on 30 July 1954. The 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.

* On T 11134 as New Harbor Daybeacon 1943

*Forms 524 are filed under T 5991
covering all the above listed stations*

* All details proven by the 1943-44 hydrography^{and} will be added to the manuscript with hydrography. Chart sections removed from this report.

Jmm
W.O. Review

TO BE CHARTED
79/89/PREVIER

publari, 'aowt47og

July 1954

The positions given have been checked after listing by
Henry P. Eichert

(Signed) A. H. Kuehn

E. H. Kirsch,
Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating*

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

NONELONG/INTG/AMIS/OR/ LANDMARKS FOR CHARTS

TO BE CHARTED
TQ/BF/DK/HYED/

STRIKE OUT ONE

Baltimore, Maryland

July 1954

I recommend that the following objects which have *(have not)* 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

Henry P. Eichert

James Earl Ray

E. H. Kirsch,
Chief of Party.

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating*

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY.

U. S. COAST AND GEODETIC SURVEY.

NONFLOATING AIDS OR HANDMARKS FOR CHARTS

TO BE CHARTED

STRIKE OUT ONE

Baltimore, Maryland

July 19 54

I recommend that the following objects which have *(have not)* 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

E. H. Kirsch, *Chief of Party.*

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating*

WOMEN/OWNING/AMBS/GR/ LANDMARKS FOR CHARTS

STRIKE OUT ONE

I recommend that the following objects which have *(have not)* 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

E. H. Kirsch,

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating*

Field Edit Report
Quads. T-11130 and T-11134

51. Methods. All roads were ridden out to check their classification, to investigate questioned areas, to inspect buildings and to visually check contours and planimetry. All trails that are recommended for mapping were either traversed while checking contours with a plane-table or discussed with local residents regarding their condition and use.

Standard plane-table profile methods were used to test the vertical accuracy of questioned areas and other areas, selected at random, which are shown as vertical accuracy test areas.

Field edit information has been shown on the discrepancy prints, three field edit ~~plane-table~~ sheets, three single weight sheets, one form 524, three summary and abstract sheets, fourteen photographs, ratio prints GS-FE 1-7, 1-8, 1-39 through 1-42, 1-44, 1-143, 1-144, 1-152, 1-157 through 1-159 and 1-166, two contact prints GS-FE 1-8 and 1-42 and two low-water prints J-2753 and J-3112.

A legend is shown on all sheets explaining the colors of inks used.

52. Adequacy of the Compilation. The compilation is good and will be complete after the application of the field edit data.

53. Map Accuracy. Four areas which were selected at random were tested for vertical accuracy. One hundred and three points on various contours were checked of which only three contours were found to be more than one half contour interval in error. In other areas which were indicated by the compiler and reviewer as being weak approximately four hundred points on various contours were checked and in these areas more than 90% of the contours were less than one half contour interval in error.

No horizontal accuracy tests were made. Plane-table traverses between mapped features proved that the horizontal accuracy was relatively good.

54. Recommendations. No recommendations are offered.

55. Examination of Proof Copy. No one was requested to examine a proof copy of the map as no one contacted was believed to be qualified.

The name of the school on Louds Island "Muscongus Island Elementary School" should be deleted. Several people were contacted regarding this name and all agreed that the correct name of the island is Louds Island, and the village where the school is located is Loudville, an old family name from the family who first settled on the island. However, all said that in recent years they had heard the island referred to occasionally as "Muscongus Island" No one seemed to know how or why this name crept into infrequent usage.

Three of the persons contacted are ; Miss Minnie Tukey of Chamberlain, Maine who served as postmaster there for 47 years, (age not given). . Mr. Wm. W. Leeman of Round Pond, Maine age 82, who has fished in the area most of his lifetime.. Mr. Ira B. Armstrong of Chamberlain, Maine a resident of 57 years, now retired.

Respectfully submitted,
19 July 1955

George E. Varnadoe
George E. Varnadoe
Photo. Engr.

TOPOGRAPHIC MAPPING

Summary & Abstract of Vertical Accuracy Test

Project No. 104 Mo. Quad. No. T-11330 N. Quad. Name Miscongonus
Method of Testing Standard Plane Table Profile
Tested by E. T. J. Date July 6 & 7, 1955 Evaluated by E. T. J.
Contour interval 10 ft. 1.22 M.M. allowable shift at 1-10,000
map or manuscript scale.

44 - Total number of points tested

98 % of points within $\frac{1}{2}$ contour interval or better

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

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

0 Test points in error over full contour interval

Vertical Accuracy Test Area # 2

Vertical Accuracy Test Area # 3

[illegible]

TOPOGRAPHIC MAPPING

Project No. Ph 104 Mo. Quad. No. T-111305 Quad. Name Muscongs
Method of Testing Standard Plane Table Profile
Tested by E. T. J. Date 6-17-55 Evaluated by E. T. J.
Contour interval 10 ft. 1.22M.M. allowable shift at 1-10,000
map or manuscript scale.

<u>33</u>	Total number of points tested
<u>94</u>	% of points within $\frac{1}{2}$ contour interval or better
<u>31</u>	Test points correct within $\frac{1}{2}$ contour interval
<u>2</u>	Test points in error between $\frac{1}{2}$ and full contour interval
<u>0</u>	Test points in error over full contour interval

Test Elev.	Map Elev.	Error	Error after shift	Remarks
89	90	1.0	0.0	
82	80	2.0	0.0	
71	70	1.0	0.0	
62	60	2.0	1.0	
56	50	6.0	4.0	Cont. Corr.
42	40	2.0	0.0	
35	30	5.0	3.0	Cont. Corr.
31	28	3.0	3.0	In Low
31	30	1.0	1.0	Cont. Corr.
41	40	1.0	1.0	
53	50	3.0	0.0	Cont. Corr.
63	60	3.0	0.0	
73	70	3.0	2.0	
100	94	6.0	6.0	Cont. Added
83	80	3.0	0.0	
73	70	3.0	0.0	
63	60	3.0	0.0	
54	50	4.0	1.0	
42	40	2.0	2.0	
42	40	2.0	0.0	
30	30	0.0	--	
30	30	0.0	--	
41	40	1.0	0.0	
50	50	0.0	--	
60	60	0.0	--	
73	70	3.0	0.0	
78	75	3.0	2.0	
80	73	7.0	7.0	Cont. Added
73	70	3.0	0.0	
64	60	4.0	2.0	
56	50	6.0	4.0	
43	40	3.0	0.0	
32	30	2.0	0.0	

TOPOGRAPHIC MAPPING

Summary & Abstract of Vertical Accuracy Test

Project No. Ph-104 Quad. No. T-11134 Quad. Name MONHEGAN
Method of Testing Plane-table
Tested by GEV Date 7-8-55 Evaluated by GEV
Contour interval 10 ft. 1-22 M.M. allowable shift at 1:10,000
map or manuscript scale.

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

[illegible]

Review Report
T-11130 and T-11134
February 1956

62. Comparison with Registered Topographic Surveys:

T-1001	1:10,000	1865
1002	"	"
1028	"	1866
1032	"	"
1033	"	"
1058	"	1866-67
1076	"	1867-68
5991	"	1941
5998	"	1941-44
5999	"	1941-43
6925	"	1943

By comparison with the 1941-44 surveys T-11130 and T-11134 show only minor shoreline changes. The approximate low water line is very nearly completely mapped on these current surveys from low water photographs dated 1952. All the above surveys are superseded in common areas by T-11130 and T-11134 for use as source material for construction and/or maintenance of nautical charts.

63. Comparison with Maps of Other Agencies:

USGS MONHEGAN, ME. 1/62,500 (20-ft. contour interval) 1906
(reprint 1950)

There is fair general agreement. It is noted, however, that higher top elevations are shown by these surveys in comparison with the old quadrangle. T-11130 and T-11134 supersede the W half of the above map.

64. Comparison with Contemporary Hydrographic Surveys:

H-6853	1:10,000	1943
6854	1:10,000	1943-44
6861	1:20,000 and 40,000	1943-44
6964	1:10,000	1944
6965	1:10,000	"

All important differences with the above surveys have been resolved by the undersigned Reviewer. Hydrography will be applied at a later date.

65. Comparison with Nautical Charts:

Chart 313

1:40,000

1949 (54 - 4/26)

Interior details and the relief on the mainland and on the larger islands presently on this chart are completely obsolete by comparison with T-11130 and 34; otherwise, no differences are noted that are critical to navigation.

66. Adequacy of Results and Future Surveys:

These maps comply with all instructions and are adequate for use as a base for future hydrographic surveys. They comply with the National Standards of Accuracy as evidenced by the Field Edit Report.

Reviewed by:

John M. Neal
J. M. Neal

APPROVED BY:

L. C. Lande
Chief, Review and Drafting Section
Photogrammetry Division

Max G. R. Little
Chief, Nautical Chart Branch
Charts Division

at J. M. Neal
Chief, Photogrammetry Division

J. B. Grinnell
Chief, Coastal Surveys Division

