

11126

N 95

Diag. Cht. No. 1203-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-104 Office No. T-11126

LOCALITY

State Maine

General locality Rockland

Locality West Rockport

19453-55

CHIEF OF PARTY

Paul Taylor, Chief of Field Party

E.H.Kirsch, Baltimore Photo. Office

LIBRARY & ARCHIVES

DATE May 12, 1958

B-1870-1 (1)

11126

DATA RECORD

T - 11126

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
29 May 1953 (Supplement I) Photogrammetry (IV)

Method of Compilation (III): **Air photographic (Kelsh plotter)**

Manuscript Scale (III): **1:10,000** Stereoscopic Plotting Instrument Scale (III): **1:10,000**

Scale Factor (III): **1.000**

Date received in Washington Office (IV): **Aug 31, 1955**
~~Oct 13 1953~~ Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): **20 Jan 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): **RAGGED MOUNTAIN, 1854**

Lat.: **44° 12' 44.715"**

Long.: **69° 09' 05.189"**

Adjusted
~~XXXXXXXXXX~~

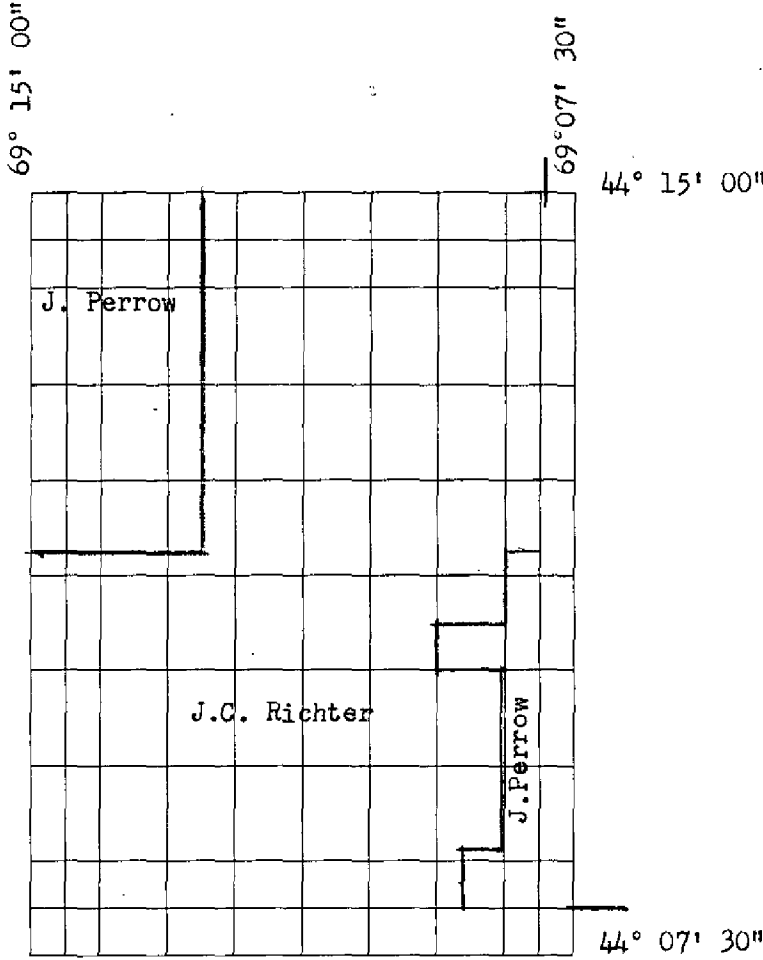
Plane Coordinates (IV): State: Zone:

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.



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

DATA RECORD

Field Inspection by (II): **James A. Clear, Jr.,** Date: **August, 1953**
Carto. Surv. Aid

Planetable contouring by (II): Date:

Completion Surveys by (II): **Geo. V. Varnadoe** Date: **Oct. 1955**

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

Projection and Grids ruled by (IV): **Austin Riley** Date: **8 Feb. 1954**

Projection and Grids checked by (IV): **H.D. Wolfe** Date: **15 Feb. 1954**

Control plotted by (III): **M. Keller** Date: **25 Feb. 1954**

Control checked by (III): **S. W. Trow** Date: **25 Feb. 1954**

Radial Plot or Stereoscopic
Control extension by (III): Date:

Stereoscopic Instrument compilation (III):
Planimetry **J.C. Richter** Date: **15 July 1955**
and
Contours **J. Perrow** Date: **15 July 1955**

Manuscript delineated by (III): **B. Wilson & E.L. Rolle** Date: **18 August 1955**
Q.

Photogrammetric Office Review by (III): **J. D. Mc Evoy** Date: **25 Aug. 1955**

Elevations on Manuscript
checked by (II) (III): **J.D. MC Evoy** Date: **25 Aug. 1955**

Camera (kind or source) (III):

		PHOTOGRAPHS (III)			
Number	Date	Time	Scale	Stage of Tide	
GS-PE-2-152 thru 158	4-4-53		1:17,000	no tidal waters	
2-170 thru 176	"		"	"	
2-181 " 188	"		"	"	
2-197 " 204	"		"	"	
3-19 " 26	"		"	"	
3-33 " 40	"		"	"	

Tide (III)

Reference Station:
Subordinate Station:
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV): *John M. Neal*
 Final Drafting by (IV): *Martha Webber*
 Drafting verified for reproduction by (IV): *Wm. O. Halluin*
 Proof Edit by (IV):

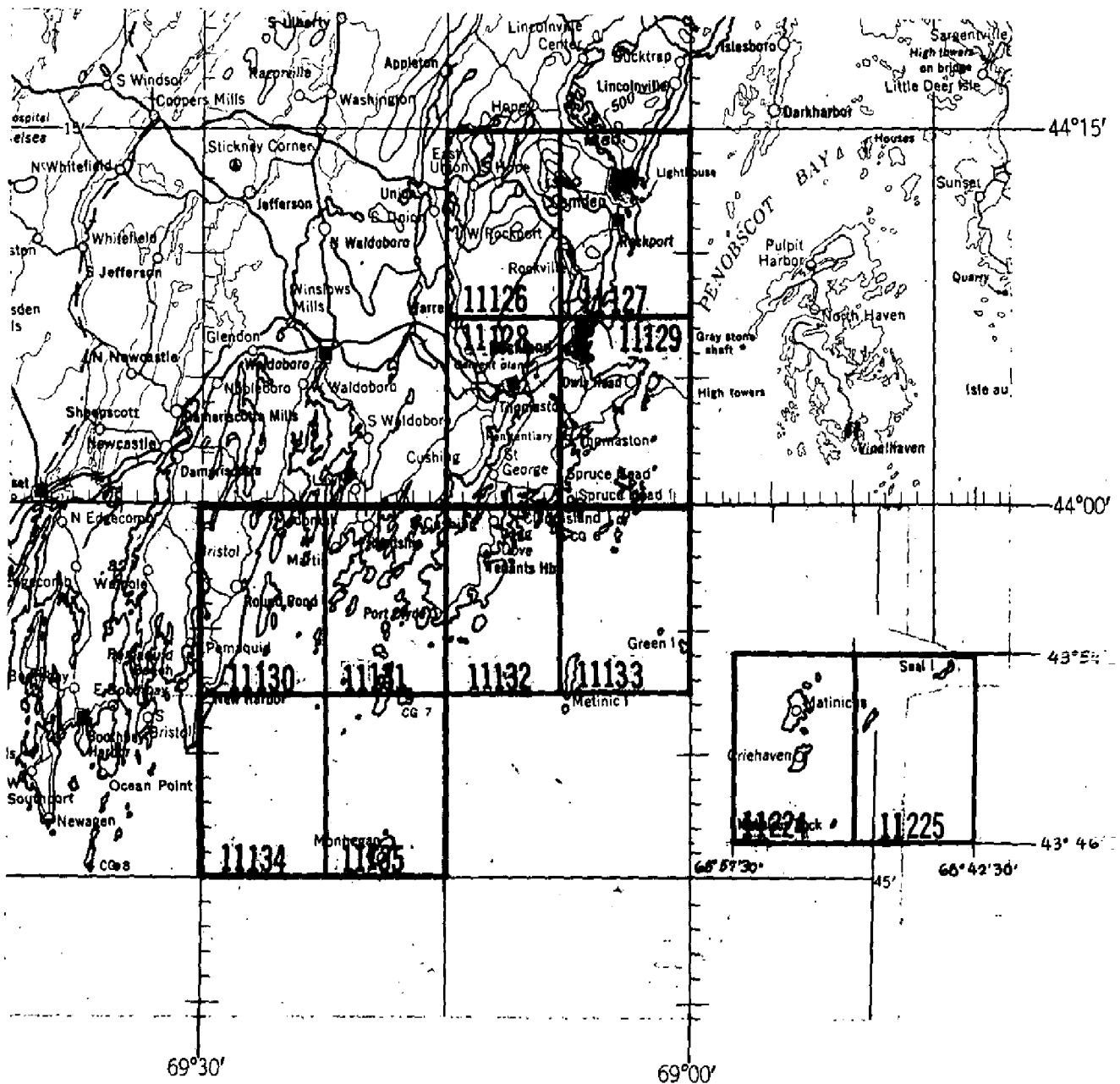
Date: *August 1951*
 Date: *6/14/57*
 Date: *11/21/57*
 Date:

Land Area (Sq. Statute Miles) (III): 51
 Shoreline (More than 200 meters to opposite shore) (III): None
 Shoreline (Less than 200 meters to opposite shore) (III): None
 Control Leveling - Miles (II): 90
 Number of Triangulation Stations searched for (II): 3 Recovered: 3 Identified: 2
 Number of BMs searched for (II): 18 Recovered: 12 Identified: 8
 Number of Recoverable Photo Stations established (III): None
 Number of Temporary Photo Hydro Stations established (III): None

MARKS:

Number of Triangulation Stations Established: 4 Identified: 2
 Number of Traverse Stations Established: 13 Identified: 13

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-11126
Project Ph-104

2. AREAL FIELD INSPECTION

The area, which comprises this quadrangle, is a sparsely settled mountainous section. West Rockport, East Union, and South Hope, which are unincorporated and located along State Highway 17, are the only villages within the quadrangle.

There are many lakes and ponds throughout the area. Tourists occupy cottages along the lakes during the summer season. Elevations of the lakes change considerably during the summer months, as they drop from five to ten feet between spring and fall.

Stone fences are numerous throughout this section. They are constructed of loose stone, about two feet in height, and as a whole are not considered particularly important. A few of these have been labelled on the photographs for aid to the compiler, but it is believed that they should be omitted from the map.

There is little industry carried on within the quadrangle. Dairy and poultry farming are the chief occupations, with some logging.

The quadrangle is adequately served by a system of hard-surface and secondary roads, the more important being Maine State Highways 17 and 90.

The field inspection was done directly on the U. S. Geological Survey 1:10,000 scale photographs. It is believed to be complete with a sufficient number of notes made on the photographs to aid the compiler in the delineation of the quadrangle.

3. HORIZONTAL CONTROL

A base line along which 3 triangulation stations were established was run along a road northeast of triangulation station RAGGED MT. 1854. This base line is designated HOSMER-MIKE-NASH, which are the names of the three triangulation stations established.

A traverse originating at MIKE, 1953 was run in a westerly direction to the project (and quadrangle) limit, thence in a southerly direction to triangulation station SMITH, 1860 in Quadrangle T-11128 which adjoins this quadrangle to the south. The designation of this line is M-S.

Intersection triangulation station BALD, 1953 was established on Bald Mountain and located from the base line and traverse.

A short spur traverse originating at MS-42, in the extreme northwestern part of the quadrangle, was run for a distance of approximately one mile, in a southeasterly direction to establish an additional control point. Its designation is MSA.

A total of 33 control points were established in this quadrangle by the above methods.

A copy of the report for this traverse is a part of this report.

4. VERTICAL CONTROL

(a) A search was made for all bench marks within the area. The following fall within the quadrangle limits and were recovered, identified and reported on Form 685A:

<u>Name</u>	<u>Agency</u>	<u>Order</u>
S-48-S	U. S. Coast and Geodetic Survey	Second
U-51-N	"	"
W-51 "	"	"
X-51 "	"	"
Y-51 "	"	"
S-206 (M. Geod. S.)	"	"
S-MON. 207	Maine Geodetic Survey	Third
S-219	U. S. Geological Survey	"
S-P-48		

(b) Vertical control points for multiplex and Kelsh plotter contouring was established in accordance with project instructions. The level lines were run with a Zeiss Opton Level, Wild T-2, and by plane table. A network of spirit level lines was run along the principal roads and all trigonometric and plane table 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.

(c) The first and last level points are 26-1 and 26-353, inclusive.

5. CONTOURS AND DRAINAGE

See Item 34 of Compilation Report.

6. WOODLAND COVER

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

The cover consists of a mixture of oak, pine, fir, maple and birch. Oak and pine are predominant on the higher areas. Several sections have been logged-over and have been classified as "T". The swamps, for the most part, consist of alders, which attain a height of about twelve feet. The drainage is very definite and is perennial along the swampy sections.

In the southern portion of the quadrangle, there is a unique section of swampland called "The Bog". This is one of the largest swamps in the project. It is covered by considerable water, except in the extreme dry seasons. Adequate notes have been labelled on photograph GSPE 3-35.

7. SHORELINE AND ALONGSHORE FEATURES

This is an interior quadrangle with the only shoreline to be mapped being the water line of the lakes and ponds. As was mentioned in Paragraph 2, the lakes and ponds shoreline drops several feet during the summer months. Since the Geological Survey photography was taken in early April, it is believed that the shoreline can be compiled direct from the photographs. Adequate notes have been shown.

8. OFFSHORE FEATURES

Inapplicable.

9. LANDMARKS AND AIDS

There are no landmarks, Aeronautical Aids, or Aids to Navigation within the quadrangle.

10. BOUNDARIES, MONUMENTS AND LINES

This is the subject of a Special Report, which will be submitted at a later date by Mr. James A. Clear, Jr.

Eight points on the township lines were identified on the photographs and reported on Form M-2226-12.

11. OTHER CONTROL

There are no topographic stations within the quadrangle.

12. OTHER INTERIOR FEATURES

All roads and buildings were classified in accordance with current instructions.

An unusual condition exists in this region, in that the barns for the most part are connected to the houses. A short line has been drawn on the photographs showing the division between the No. 1 and No. 2 class buildings.

13. GEOGRAPHIC NAMES

This is 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 3, 10 and 13 and a Notes for Coast Pilot are the only supplemental data.

5 October 1953
Submitted by:

James A. Clear, Jr.
James A. Clear, Jr.,
Carto. Surv. Aid

7 October 1953
Approved by:

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

Report for 112:

**TRAVERSE REPORT
NIKE 1953 TO SMITH 1860
PROJECT PH-104**

June-July, 1953

This traverse was run to furnish horizontal control for photogrammetric mapping on Project Ph-104. It is approximately 24 miles in length and consists of 112 unmarked instrument stations, 14 intervisible monumented stations, and 4 monumented stations of the Maine Geodetic Survey, making a total of 130 instrument stations.

The traverse was started from an adjusted position of the central station of a measured base between stations HOSMER, NIKE and NASH. The position of this central station (NIKE 1953) was computed from the position of RAGGED MT 1854.

The azimuths were computed from the grid azimuth of the line RAGGED MT 1854 - ROCKPORT SCHOOL HOUSE CLOCK TOWER 1911 through 82 instrument stations and tied into the azimuth of the line SMITH 1860 - THOMASTON SILVER WATER TANK 1934 with an azimuth closure of 19 seconds. The azimuths were further adjusted into 3 Polaris observations about equally spaced along the line. The largest angle correction was 1.3 seconds.

Distances were measured, both forward and backward, with a 200-foot standardized steel tape. The forward and backward distance of each section was checked in the field and if there was any question of a mistake in measurement that section was re-measured. The distance check obtained between NIKE 1953 and SMITH 1860 is 1:15,600.

Elevations of tape supports were obtained on the forward measurement by the Zeiss-Opton level, with checks on bench marks along the way. All level closures on bench marks were well within the accuracy required.

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

The differences of elevation of the tape supports were entered in the "Set Back" column of the "Traverse Measurements" volume (Form 590). Temperature, slope, tape and catenary corrections are all made in red in this volume and the corrected ground distances entered in parenthesis on Form 738. The sea and grid factors were then applied and the grid distance entered underneath.

Preliminary computations to obtain projected distances of the closed loops of the traverses are shown on Form 738 in blue.

All records, computations and sketches of the traverse are submitted to the Division of Geodesy and a list of Plane Coordinates (Form 709) of photogrammetric control points are submitted with other photogrammetric data to the Division of Photogrammetry.

Paul Taylor
Commander, USCGS
Chief of Photogrammetric Party #1

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

MAP T. 11126 PROJECT NO. Ph-104 SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	EAST COORDINATE EAST ZONE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
Control Pt. No 3 (MS Line)	G.P. List	N.A. 1927	147,366.82 328,060.48	2,366.8 (2633.2) 3,060.5 (1939.5)					
" " No. 4	"	"	151,664.04 328,410.59	1,664.0 (3,336.0) 3,410.6 (1,589.4)					
" " No. 5	"	"	155,476.15 326,887.94	476.2 (4523.8) 1887.9 (3112.1)					
" " No. 6	"	"	154,933.88 323,241.20	4933.9 (66.1) 3241.2 (1758.8)					
" " No. 7	"	"	155,068.23 316,974.98	68.2 (4931.8) 1975.0 (3025.0)					
" " No. 8	"	"	153,743.85 315,079.22	3743.9 (1256.1) 79.2 (4920.8)					
" " No. 9	"	"	153,205.77 311,984.60	3205.8 (1794.2) 1984.6 (3015.4)					
" " No. 10	"	"	151,638.50 309,002.91	1638.5 (3361.5) 4002.9 (997.1)					
" " No. 11	"	"	148,967.30 305,762.12	3967.3 (1032.7) 762.1 (4237.9)					
" " No. 12	"	"	146,883.79 303,301.39	1883.8 (3116.2) 3301.4 (1698.6)					
" " No. 13	"	"	145,031.33 302,207.62	31.3 (4968.7) 2207.6 (2792.4)					
" " No. 14	"	"	143,613.67 301,061.86	3613.7 (1386.3) 1061.9 (3938.1)					

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

MAP T. 11126

PROJECT NO. Ph-104

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	EASTING OR X-COORDINATE 1300,087.99 East Zone	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	
					FORWARD	(BACK)	FORWARD	(BACK)	FORWARD	(BACK)
Control Pt. No. 15 (MS Line)	G.P. List	N.A. 1927	137,089.28	2089.3 (2910.7)						
" " No. 16	"	"	300,087.99	88.0 (4912.0)						
" " No. 17	"	"	134,380.48	4380.5 (619.5)						
" " No. 18	"	"	300,212.54	212.5 (4787.5)						
" " No. 19	"	"	131,670.25	1670.3 (3329.7)						
" " No. 20	"	"	299,870.63	4870.6 (129.4)						
" " No. 21	"	"	124,931.09	4931.1 (68.9)						
" " No. 22	"	"	302,168.62	2168.6 (2831.4)						
" " No. 23	"	"	122,787.36	2787.4 (2212.6)						
" " No. 24	"	"	303,233.65	3233.7 (1766.3)						
" " No. 25	"	"	120,128.21	128.2 (4871.8)						
" " No. 26	"	"	304,747.50	4747.5 (252.5)						
" " No. 27	"	"	113,089.18	3089.2 (1910.8)						
" " No. 28	"	"	306,889.51	1889.5 (3110.5)						
" " No. 29	"	"	110,059.38	59.4 (4940.6)						
" " No. 30	"	"	306,016.43	1016.4 (3983.6)						
" " No. 31	"	"	107,503.33	2503.3 (2496.7)						
" " No. 32	"	"	305,529.60	529.6 (4470.4)						
" " No. 33	"	"	126,891.10	1891.1 (3108.9)						
" " No. 34	"	"	333,666.21	3666.2 (1333.8)						
Mon. 207 (MGS) 1935	"	"	126,980.55	1980.6 (3019.4)						
Sub Sta. Mon. 207, 1935	"	"	333,788.73	3788.7 (1211.3)						
GRASSOW, 1953	"	"	155,347.77	347.8 (4652.2)						
			319,842.32	4842.3 (157.7)						

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

MAP T. 11126

PROJECT NO. Ph-104

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ν -COORDINATE LONGITUDE OR x -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
			FORWARD	(BACK)	FORWARD	(BACK)		FORWARD	(BACK)	
Sub Sta. GRASSOW, 1953	G.P. List	N.A. 1927	155,241.31	(4758.7)	241.3	(4758.7)				
			319,924.85	(75.1)	4924.9	(75.1)				
KALLOCK, 1953	"	"	119,026.52	(973.5)	4026.5	(973.5)				
			304,873.02	(127.0)	4873.0	(127.0)				
Sub Sta. KALLOCK, 1953	"	"	118,831.78	(1168.2)	3831.8	(1168.2)				
			304,946.09	(53.9)	4946.1	(53.9)				
MAPLE, 1953	"	"	146,040.56	(3959.4)	1040.6	(3959.4)				
			329,194.77	(805.2)	4194.8	(805.2)				
Sub Sta. MAPLE, 1953	"	"	145,550.32	(4449.7)	550.3	(4449.7)				
			329,515.98	(484.0)	4516.0	(484.0)				
MIKE, 1953	"	"	140,582.20	(4417.8)	582.2	(4417.8)				
			334,817.79	(182.2)	4817.8	(182.2)				
Sub Sta. MIKE, 1953	"	"	140,557.94	(4442.1)	557.9	(4442.1)				
			334,730.50	(269.5)	4730.5	(269.5)				
MILL, 1953	"	"	116,484.52	(3515.5)	1484.5	(3515.5)				
			305,991.22	(4008.8)	991.2	(4008.8)				
Sub Sta. MILL, 1953	"	"	116,388.26	(3611.7)	1388.3	(3611.7)				
			305,975.08	(4024.9)	975.1	(4024.9)				
PEARSE, 1953	"	"	149,663.23	(336.8)	4663.2	(336.8)				
			326,944.36	(3055.6)	1944.4	(3055.6)				
Sub Sta. PEARSE, 1953	"	"	149,635.01	(365.0)	4635.0	(365.0)				
			326,975.60	(3024.4)	1975.6	(3024.4)				
BALD, 1953	"	"	144,756.79	(243.2)	4756.8	(243.2)				
			332,896.52	(2103.5)	2896.5	(2103.5)				

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

MAP T. 11126

PROJECT NO. Ph-104

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	EASTING - COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS	N.A. 1927 - DATUM		DISTANCE FROM GRID OR PROJECTION LINE IN METERS
					FORWARD	(BACK)	
Sub Sta. BALD, 1953	G.P. List	N.A. 1927	144,778.66	4778.7 (221.3)			
					332,944.25	2944.3 (2055.7)	
HEALD, 1953	"	"	139,902.27	4902.3 (97.7)			
					299,882.41	4882.4 (117.6)	
Sub Sta. HEALD, 1953	"	"	139,829.89	4829.9 (170.1)			
					299,865.64	4865.6 (134.4)	
RAGGED MTN., 1854 dm	1	"	44° 12' 44.715"	1380.1 (471.8)			
					69° 09' 05.189"	115.2 (1216.8)	
Mon. 206 MGS 1934 EL.207.18 _d	10	Me (E)	127,421.06	2421.1 (2578.9)			
					333,377.35	3377.4 (1622.6)	
WILLIE, 1953	G.P.List p. 424	N.A. 1927	44° 07' 32.635"	1007.3 (844.6)			
					69° 14' 27.118"	602.9 (731.1)	

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

MAP T 11126 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 DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
			FORWARD	(BACK)	FORWARD	(BACK)		FORWARD	(BACK)	
Control Pt. No. 1	Back of card	N.A. 1927	141,747.09	(991.5)	532.5	(991.5)				
" " No. 2	M-2226-12	"	332,617.05	(726.3)	797.7	(726.3)				
	"	"	143,587.97	(430.4)	1093.6	(430.4)				
	"	"	330,972.27	(1227.7)	296.3	(1227.7)				
HOSMER, 1953	G.P. p. 423	"	44° 12' 56.710"	(101.5)	1750.4	(101.5)				
	"	"	69° 07' 38.990"	(466.4)	865.5	(466.4)				
NASH, 1953	"	"	44° 13' 10.544"	(1526.4)	325.4	(1526.4)				
	"	"	69° 07' 54.269"	(127.2)	1204.7	(127.2)				
ROAD, 1953	"	"	44° 13' 47.795"	(376.7)	1475.2	(376.7)				
	"	"	69° 08' 58.084"	(42.5)	1289.1	(42.5)				
WEIGHT, 1953	"	"	44° 14' 59.647"	(10.9)	1841.0	(10.9)				
	"	"	69° 09' 16.292"	(969.7)	361.5	(969.7)				
MANK, 1953	"	"	44° 14' 38.685"	(657.9)	1194.0	(657.9)				
	"	"	69° 13' 55.540"	(99.0)	1232.4	(99.0)				

COMPILATION REPORT
T-11126

Photogrammetric Plot Report

Area was bridged by stereoplanigraph at the Washington Office.

31. DELINEATION

Topography was delineated on vinylite work sheets using the Kelsh plotter with pantograph attached. A conventional, inked manuscript at a scale of 1:10,000 was prepared in two halves by direct tracing of these work sheets. The photographs were used under the manuscripts for delineation of such details as buildings and drainage not clearly visible on the models and for checking purposes.

Interpretation of ground cover was for the most part left for the office. Inspection was sparse. Some errors in interpretation have undoubtedly been made. This should be rectified during the field edit.

32. CONTROL

Horizontal and vertical control points were adequate for the compilation. There were occasional vertical points in the models which could not be held. But there was a sufficient number of points in each model so that these few could be safely discarded. It appeared likely in most of the cases that the points had been misidentified on the photographs.

Many more vertical points than usual were identified especially along roads. This should result in increased accuracy of the contours where it is more critical.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Photographs and diapositives were good. Drainage shown is from office interpretation. This should be examined during field edit especially in areas of heavy ground cover.

35. thru 38.

Inapplicable.

39. JUNCTIONS

Ties have been submitted for junction to the east and south with surveys T-11127 and T-11128, respectively. These surveys are being compiled at the Washington Office. There are no contemporary surveys to the north and west.

40. thru 45.


Inapplicable.

46. COMPARISON WITH EXISTING MAPS


U.S.G.S. 15min. Quad. Rockland, Maine, scale 1:62,500, edition of March 1906, reprinted 1946.

47. Inapplicable.

Respectfully submitted,
23 August, 1955


Henry P. Eichert
Super. Carto.

Approved and Forwarded


E. H. Kirsch
Comdr. C. & G.S.
Balto. Photo. Office

PHOTOGRAMMETRIC OFFICE REVIEW

T. 11126

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. Joseph D. McEwen Henry P. Fisher
 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:

48. GEOGRAPHIC NAMES

- ✓ Alford Lake
- ✓ Bald Mt.
- (1) ✓ Benner Hill
- ✓ Camden Twp.
- ✓ Crawford Pond
- ✓ Dodge Mt.
- ✓ East Branch
- ✓ East Union
- ✓ East Warren
- ✓ Fish Pond
- ✓ Goulds Hospital
- ✓ Grass Pond - ?
- ✓ Gurney Hill
- ✓ Hobbs Pond
- ✓ Hope Twp. TOWN
- ✓ Hosmer Pond
- ✓ Keene Brook
- ✓ Lermond Pond
- ✓ Lily Pond
- ✓ Mansfield Pond
- ✓ Meadow Brook
- ✓ Meadow Mt.
- ✓ Mill Stream

- ✓ Mirror Lake
- ✓ Oyster River
- ✓ Pleasant Mt.
- ✓ Quiggle Brook
- ✓ Ragged Mt.
- ✓ Rockland Twp. CITY (Civil Sub division)
- ✓ Rockport Twp. TOWN
- (2) ✓ Rocky Pond (on chart 209, U.S.G.S, etc.)
- ✓ South Hope
- ✓ Spruce Mt.
- ✓ St. George River
- ✓ The Bog
- ✓ Thomaston Twp. TOWN
- ✓ Union Twp. " "
- ✓ Warren Twp. " "
- ✓ Wattons Mill
- ✓ West Branch
- ✓ West Rockport
- ~~Rockland~~
- ~~ROCKLAND TWP~~
- ✓ cotton Pond

(1) placement to be verified by Field Edit

(2) name " " " "

All Twp's changed to TOWNS by Reviewer (except Rockland which is a CITY per 1950 Census list)

Maine No. 17

" No. 90

" No. 131

Names checked
9-6-55 on basis
Project names
report prior to
Field Edit.

L. Heck

FIELD EDIT REPORT
QUAD. T-11126

51. Methods. All roads were traversed by truck to check their classification; to investigate questioned areas; to check the classification and shape of buildings and to visually check all topographic features including contours and drainage.

Areas that were not accessible by truck were visited by walking, where any questions arose.

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

Standard planetable methods were used for testing the accuracy of the contours; to locate additional Town Line Monuments and new buildings.

All corrections, additions and deletions were made on the Field Edit Sheets or cross referenced thereon to other sheets or the photographs. All questions by the reviewer were answered on the Discrepancy Prints or cross referenced to other sheets. All vertical accuracy tests and corrections to contours were made on the Field Edit Planetable Sheets.

In addition to this report field edit information will be found on the following:

2 Discrepancy Prints; 2 Field Edit Sheets; 4 Field Edit Planetable Sheets; 3 Summary and Abstract of Vertical Accuracy Tests Sheets and the following Photographs:

GS-FE Ratio Prints: 2-153 thru 2-157, 2-171 thru 2-175, 2-182 thru 2-185, 2-187, 2-198 thru 2-203, 3-20, 3-23, 3-33 thru 3-36, 3-38 and 3-39.

Violet ink was used for all field edit except deletions where green ink was used.

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

53. Map Accuracy. No horizontal accuracy tests were made. Vertical accuracy tests were made in 7 different areas of the quadrangle. A total of 147 points were tested of which 99% were found to be less than one half the contour interval in error. A tabulated summary of the tests is made a part of this report.

54. Recommendations. None offered.

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

No discrepancies in Geographic Names were noted.

56. Town Lines. An offset in the Rockport-Warren Town line at Lat. $44^{\circ} 10.5$ Long. $69^{\circ} 10.5$ has been questioned by the reviewer. The owner of the property (including the orchard) adjoining the southwest corner of this offset is a selectman of the town of Rockport. He felt sure that he could recover this corner, which he said was marked by "stake and stones", as he visited the corner about 12 years ago, but due to changes in the woodland he was unable to do so. The owner of the property adjoining the northeast corner was not positive where either of the corners were. No information could be found at either of the Town Offices for these Towns.

Respectfully submitted,
24 October 1955

George E. Varnados

George E. Varnados
Photo. Engr.

TOPOGRAPHIC MAPPING

Summary & Abstract of Vertical Accuracy Test

Project No. Ph 104 ME Quad. No. T-11126 (SW 1/4) Quad. Name _____
 Method of Testing Plane-table profile
 Tested by E.T.J. Date Sept. 1955 Evaluated by E.T.J.
 Contour interval 20 ft. 1:22 M.M. allowable shift at 1-10,000
 map or manuscript scale.

- 60 Total number of points tested
- 100 % of points within $\frac{1}{2}$ contour interval or better
- 60 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

Test Elev.	Map Elev.	Error	Error after shift	Remarks	Test Elev.	Map Elev.	Error	Error after shift	Remarks
137	137	0	-		393	400	7	0	
120	120	0	-		416	420	4	2	
111	111	0	-	In low	366	366	0	-	
117	120	3	0		378	380	2	0	
136	140	4	2		389	389	0	-	
136	140	4	1		395	400	5	4	
137	137	0	-		404	404	0	-	
125	125	0	-	In low	417	420	3	0	
139	141	2	1		437	440	3	0	
116	120	4	0		457	460	3	0	
142	142	0	-		477	480	3	0	
130	135	5	3		494	500	6	4	
147	147	0	-		519	518	0	-	
146	146	0	-		522	522	0	-	
139	140	1	0		511	511	0	-	
119	120	1	0		513	513	0	-	
96	100	4	1		520	520	0	-	
130	130	0	-		519	520	1	0	
200	200	0	-		541	541	0	-	
205	205	0	-		538	538	0	-	
197	197	0	-		540	540	0	-	
341	340	1	0		519	520	1	0	
337	337	0	-		497	497	0	-	
337	340	3	2		479	480	1	0	
342	342	0	-		459	460	1	0	
337	340	3	0						
316	320	4	2						
309	310	1	0						
300	301	1	0						
301	301	0	-						
306	310	4	0						
312	320	8	2	Contour Changes					
329	340	11	0						
356	360	4	0						
378	380	2	0						

Test Area #1

Test Area #2

Test Area #2

TOPOGRAPHIC MAPPING

Summary & Abstract of Vertical Accuracy Test

Project No. Ph 104 Me. Quad. No. T-11126 (NE 1/4) Quad. Name
 Method of Testing Plane-table profile
 Tested by E.T.J. Date Sept, 1955 Evaluated by E.T.J.
 Contour interval 20 ft. 122 M.M. allowable shift at 1-10,000
 map or manuscript scale.

- 68 Total number of points tested
- 98 % of points within $\frac{1}{2}$ contour interval or better
- 67 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

Test Area #3

Test Area #5

Test Area #4

Test Area #6

Test Elev.	Map Elev.	Error	Error after shift	Remarks	Test Elev.	Map Elev.	Error	Error after shift	Remarks
405	400	5	0		453	453	0	-	
425	420	5	0		407	415	8	4	
446	440	6	0		351	360	9	2	
469	460	9	0		334	340	6	2	
484	480	4	0		317	320	3	0	
504	500	4	0		300	300	0	-	
538	530	8	8		277	280	3	0	
543	535	8	4	Contour Changed	256	260	4	0	
538	541	3	0	Contour Changed	244	244	0	-	
535	535	0	-		260	261	1	1	
563	555	8	7	Contour Added	253	260	7	5	
563	560	3	0		259	260	1	0	
564	558	6	4						
584	583	1	0		231	240	9	5	
547	547	0	-		248	248	-	0	
564	549	16	16	Contour added	262	260	2	0	
534	530	4	0		277	280	3	0	
399	399	0	-		300	300	0	-	
402	402	0	-		315	320	5	0	
396	396	0	-		342	340	2	0	
391	391	0	-		357	360	3	0	
Test Area 4					375	380	5	1	
					392	400	7	2	
575	575	0	-		414	420	6	0	
561	560	1	0		432	440	8	5	
541	540	1	0		455	460	5	0	
538	540	2	0		477	480	3	0	
554	560	6	2		499	500	1	0	
565	565	0	-		515	520	5	1	
579	580	1	0		533	540	7	0	
595	600	5	0		555	560	5	0	
612	620	8	0		578	580	2	0	
635	640	5	0		597	600	3	0	
656	660	4	0		612	620	8	1	
668	668	0	-		641	639	2	0	
					656	660	4	4	Good expression 2875-12

Review Report
Topographic Map
T-11126
September 1956

61. General Statement:

See summary report.

62. Comparison with Registered Topographic Surveys:

T-8010 1:10,000 1941-43

T-11126-S is common to above survey only East of Long. 69°09'. T-8010 is superseded by T-11126 -S within this area.

63. Comparison with Maps of Other Agencies:

Comparison was made with the NW/4 of USGS ROCKLAND 1:62,500 1906 (reprint 1946)

T-11126 is in fair agreement with the old quad with respect to drainage and contours - except in the southeastern part around "The Bog". Normal elevations of water surfaces of lakes and ponds are in close agreement.

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

Chart 209 1:20,000 1953 (55-10/31)

Inland marginal area of above chart is common to T-11126. No significant differences noted, except in the name MT. Battux carried on T-11126 as Benner Hill.

66. Adequacy of Results and Future Surveys:

This map complies with all instructions and with the National Map Accuracy Standards.

Reviewed by:

E. N. Mahi
for John M. Neal

APPROVED:

L. C. Rande
Chief, Review and Drafting Sec.
Photogrammetry Division

Max Ricketts
Chief, Nautical Chart Branch
Charts Division

J. D. Dill
Chief, Photogrammetry Division

[Signature]
Chief, Coastal Surveys Division

Summary to Accompany
Descriptive Report
T-11126

Topographic Map T-11126 is one of 12 similar maps in Project 6104. This map includes the villages of W. Rockport and South Hope, numerous lakes and ponds and Ragged Mountain, a prominent mountain peak in this section of the Maine Coast.

Planimetry was compiled from 1953 (USGS) photographs by stereo instrument methods. The map was corrected to 1955 by a complete field edit. A complete field inspection of the 1953 photographs was made prior to compilation. Other field work preceding compilation included the establishment of supplementary horizontal and vertical control. Contours were completely mapped by Kelsh Plotter.

The manuscript is in 2 sheets each $3-3/4'$ in latitude and $7\frac{1}{2}'$ in longitude. The map is to be published by the Geological Survey as a standard $7\frac{1}{2}$ minute topographic quadrangle at 1:24,000 scale. Items to be registered under T-11126 are:

Cloth-mounted prints of each half quad at 1:10,000 scale (designated, T-11126-N and T-11126-S) a cloth-mounted color print of the published quadrangle and this report.

NAUTICAL CHARTS BRANCH

SURVEY NO. F-11126

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
7/23/59	209	Helmer	Before After Verification and Review Exam. No Corrections ^{JMU}
5-16-62	310	Chas R. W. Johnson	Before After Verification and Review
6-4-63	1203	M. Rogers	Before After Verification and Review thru chart 310 reconstruction.
7-30-69	209	D. Chapman	Before After Verification and Review Fully Applied
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.