11139

Diag. Cht. Nos. 229, 1205, & Insert.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-11h Office No. T-11139

LOCALITY

State Maine - New Hampshire

General locality Dove

Locality Salmon Falls River to Dover

CHIEF OF PARTY
E.H.Kirsch, Chief of Field Party
I.R.Rubottom, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE September 15, 1958

B-1870-1 (1)

Project No. (II): Ph-111:(53) Quadrangle Name (IV):

Field Office (II): Newburyport, Mass

Chief of Party: E. H. Kirsch

Photogrammetric Office (III): Tampa, Fla.

Officer-in-Charge: Ira R. Rubottom

Instructions dated (II) (III): 13 March 1953
Supplement No. 1

Copy filed in Division of Photogrammetry (IV)

Supplement No. 1 28 March 1953

No. 2 30 April 1953
 No. 3 6 May 1953
 No. 4 26 May 1953

No. 5 25 June 1953

Method of Compilation (III): Graphic

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

Scale Factor (III): None

Date received in Washington Office (IV):

Applied to Chart No.

Date:

Date registered (IV): 4/10/5%

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N. A. 192

Vertical Datum (III): M. H. W.

Membes-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): DOVER, 1908

Lat.: 43° 11 • 15"811 (487.9 m.) Long.: 70° 51 • 31".742 (716.8 m.)

Adjusted

Plane Coordinates (IV):

State:

Zone:

Y≕

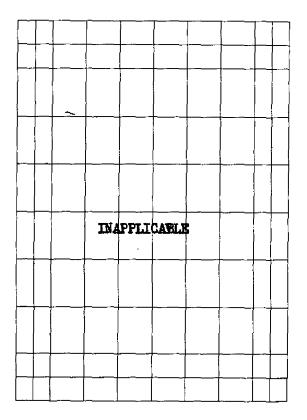
X=

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.

Form T- Page 1

M-2618-12(4)



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

DATA RECORD

Field Inspection by (II): None

Date:

Planetable contouring by (II):

Inapplicable

Date:

Completion Surveys by (II):

Inapplicable

Date:

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

Air Photo Compilation Date of photographs

Projection and Grids ruled by (IV):

S. Rose (W.O.)

Date: 15 Feb. 1953

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

Date: 16 Feb. 1953

Control plotted by (III): J. E. Johnson

Date: 9 Dec. 1953

Control checked by (III): R. J. Pate

Date: 9 Dec. 1953

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

M. M. Slavney

Date:

4 Jan. 1954

Planimetry

Inapplicable

Contours

Date:

Date:

Manuscript delineated by (III): R. R.

Stereoscopic Instrument compilation (III):

R. R. Wagner

Date: 30 Aug. 1954

Photogrammetric Office Review by (III): J. A. Giles

Date: 14 Sept. 1954

Elevations on Manuscript

checked by (II) (III):

Inapplicable

Date:

Form T-Page 3

M-2618-12(4)

FAIRCHILD K-17-6" Metrogen lens Camera "J"

Camera (kind or source) (III): DOW photographs (Mark Hurd Mapping Co. for Dept. of Agriculture)

Wild Camera W

PHOTOGRAPHS (III)

	PHOTOGRAPHS (III)		
Date	Time	Scale	Stage of Tide
. 2 Nov. 1951	No-time	1:10,000	• .
2 July 1952	1050	11	3.1
29 Apr. 1954	1537	#	-0.2
Ü			Ħ
Ħ		#	. ti
tt ,		*	Ħ
17.	1545	11	11
	2 Nov. 1951 2 July 1952 29 Apr. 1954	Date Time 2 Nov. 1951 No-time 2 July 1952 1050 29 Apr. 1954 1537 1538 1539 1544	Date Time Scale 2 Nov. 1951 No-time 1:10,000 2 July 1952 1050 " 29 Apr. 1954 1537 " 1538 " 1539 " 1544 "

Tide (III)

Computed	from	predicted	tide	tables
----------	------	-----------	------	--------

Reference Station:

PORTLAND

Subordinate Station: Subordinate Station: SALMON FALLS RIVER ENTRANCE

Ratio of Range Range Range 8.9 10.2 0.7 6.6 7.6

Washington Office Review by (IV): Level. Sture

Date: 23 Dec. 1954

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Date:

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 5

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

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

Control Leveling · Miles (II): Inapplicable

Number of Triangulation Stations searched for (II):

Recovered:

Identified: 7*

Number of BMs searched for (II): I

Inapplicable

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): none
Number of Temporary Photo Hydro Stations established (III): 13

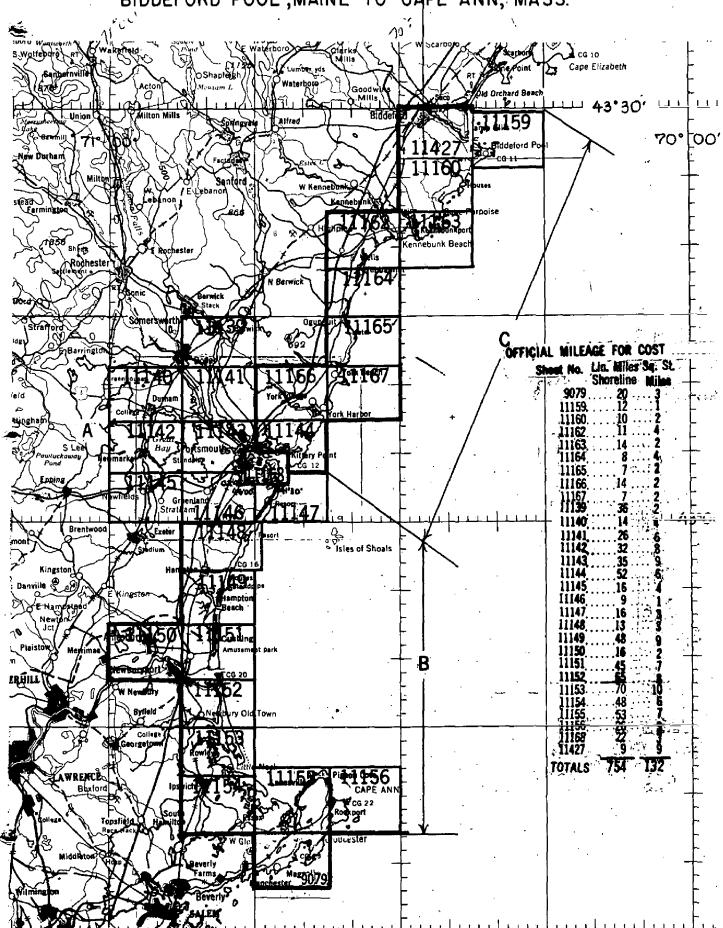
Remarks:

*Two (2) stations were identified in the office to carry the plot north. See Photogrammetric Plot Report

Form T-Page 4

M-2618-12(4)

SHORELINE MAPPING PROJECT PH-114 BIDDEFORD POOL, MAINE TO CAPE ANN, MASS.



PHOTOGRAPHITRIC PLOT REPORT.

21. AREA COVERED.

This photogrammetric plot was for Section A of Ph-11h(53), comprising maps T-11139 to T-111h? inclusive. * The maps cover the inland navigable waters in the area of Portsmouth, Neumarket and Dover, New Hampshire.

The sketch on Page '9 of this report shows the layout of maps, the identified control, photograph centers, index of control, adjoining map T-11148 of Section B, and I4 points common to the 1943 compilation and this plot.

22. METHOD.

Radial Plot:

Hap Hanuscripts: — The map projections are on acetate at 1:10,000 scale with the polyconic projection in black, the New Hampshire Grid and the Maine West Mercator Grid in blue and red. The map manuscripts are 3th5" in latitude and 7t30" in longitude.

The base grids were vinylite with the 5,000 feet interval at 1:10,000 scale. The New Hampshire State Grid was on all the manuscripts so control was transferred to the grids by matching grid values and adjusting the scale differences.

Photographs: — The photographs were single-lens taken in July 1952 at 1:20,000 scale by Mark Hurd Mapping Company for the Production and Marketing Administration of the Department of Agriculture and enlarged to approximately 1:10,000 scale.

Templets: -- Vinylite templets were made from the photographs using the distortion templet furnished by the Washington Office for photographs printed with the Saltzman projector.

Closure and adjustment to centrol: -- All the centrol that could be transferred from the 1943 field prints was identified on the 1952 photographs; and fourteen points were selected from the \$\times\$1:20,000 manuscripts, as suggested in Paragraph 5 of the Instructions, dated 20 February 1953; reference 73-aal. These points are indicated on the sketch by letters A to O and are discussed under Item 24.

, **Z**,

On the final radial plot, fixed templets were laid as follows:

DCW-10k-12, 13, 14, 15, 22, 23, 24 and 25; then DCW-9k-123, 124, 176, 179, 184, 186 and 189

We more trouble was encountered with control but discrepancies were noted in eleven (11) of the fourteen (14) points identified and scaled from the 1943 compilations. These discrepancies on fixed templets revealed that the points (A to 0 on sketch) could not be held to supplement the control. (See Item 24 for discussion). The plot was continued and bridged across progressively weaker areas.

The area along the junction of T-11142 and T-11143 required the most adjustment. The interruption of azimuths on the photographs centered in the water made the plot more difficult and probably this is the weakest part of the work.

The photogrammetric points were transferred from the plot to the various manuscripts by adjusting to similar coordinate values.

23. ADEQUACT OF CONTROL.

23.

All the control that could be transferred from the 1943 nine-lens photographs to the 1952 photograph was used excepting a few stations in the Portsmouth area where a plothora of control was identified. Two stations, TANK WINDMILL, 1908 (No. 9 on sketch) on T-11141, and MEMMARKET MAKEN CHAPEN CO. STACK, 1943 (No. 14 on sketch) on T-11142, could not be found on the 1952 photographs. The latter station was not needed because HEMMARKET INDUSTRIAL ASSOCIATION TANK, 1943 (No. 13 on sketch) was used, but TANK WINDMILL, 1908 would have helped. One station, TELLOW CUPOLA HORIZONTAL STRIPES, 1943 (No. 11 on sketch) on T-11141 was "not recovered" in 1943 but a cupola on a building in the area was identified and tried on the plot where it held.

Control station DOVER PACIFIC MILLS RED ERICK STACK, 1943 (No. 1 en sketch) on T-11139, fell on one photograph DQW-9k-179. This photograph was rigidly fixed plus a check station. After repeated trial laydowns bridging to other control it was decided that the "STACK" was at fault. It is noted that the 1943 identification card for this station was originally labeled "DOVER LARGEST SMOKE CHIMMEI" then changed with a new sketch made in the compilation office. Both stations are "No Check" intersection stations. No photogrammetric position was possible for DOVER PACIFIC MILLS RED ERICK STACK but the one cut from DQW-9k-179 fell 0.8 mm (8 meters) northeast of the plotted position. As an additional check an attempt was made to identify DOVER, PIRST PARISH CONGREGATIONAL CHURCH SPIRE, 1943 (No. 2 on sketch) but it fell on the edge of DQW-9k-179 and could not be positively transferred.

The adequacy of centrol for this plot is in doubt and is the subject of Item 26, ACCURACY AND RECOMMENDATIONS. (See paragraph 6, Instructions, dated 20 February 1953; reference 73-221).

It is noted that some control plotted on the Ph-llh(53) manuscripts was listed "Not recovered" in 1943 although they appear on the 1943 manuscripts. They are:

T-11141 - OYSTER RIVER FLAG STAFF, 1908

T-11142 - MARSH, 1908

T-11113 - POINT, 1908; TANK WINDMILL, 1908; BOILING ROCK, 1900; OLD WHARF WEST CORNER SPILE, 1900; and SOUTH CHY. HOUSE OFF KITTERY JUNCTION B.R. STATION, 1900

24. SUPPLEMENTAL DATA.

Fourteem (14) points, A to 0 on the sketch, common to the 1952 photographs and the 1943 compilations, were scaled off the 1943 manuscripts and plotted on the base grid for this plot. The 1943 office photographs were not available and only one pass point on the 1:20,000 manuscripts could be positively identified in the areas desired on the 1952 photographs; the other points are details on the 1943 manuscripts that could be identified on the 1952 photographs. Three of these points were held:

"J" on sketch is TELLOW CUPOLA HORIZOMTAL STRIFES, 1908, discussed in Item 22.

"B" and "M" on sketch, which fell on one photograph each and whose cuts held.

The points A to O are described and the position differences with the 1943 1:20,000 compilation are as follows:

POINT	MAP	DESCRIPTION	DISTANCE & DIRECTION OF THE PH-114(53) POSITION FROM THE 1943 POSITION
. A	T-11140	NE corner of large building	0.7 mm (7 meters) E
B	T-1114 0	WE corner of large building	OK
C	T-11142	Intersection of roads	1.3 mm (13 meters) S
D	T-111 45	Intersection of centerline of bridge and fender	1.8 mm (18 meters) E
E	T-111 46	Intersection of road and R.R.	0.6 mm (6 meters) Sw
	1-11146	Intersection of roads	0.7 mm (7 meters) ESE
G	T-11143	E gable of large building	0.8 mm (8 meters) E
H	T-11143	E gable of large building	2.2 mm (22 neters) Sw
J	T-11111	Cupels on building	OK (See Item 22)
K	T-11141	Intersection of road and R.R.	0.8 mm (8 meters) S
L	7-11141	N end of bridge fender	0.8 mm (8 meters) SE
H	T-11141	Intersection of roads	OK (one cut)
M	T-11144	Intersection of R.R. overpass	1.0 mm (10 meters) ESE
0	T-11144	Center of bridge	0.9 mm (9 meters) SE

The 1952 photogrammetric position of these points are on the Ph-114 manuscripts as pass points.

25. PHOTOGRAPHY.

The instructions for this project, dated 2/20/53, included T-11139, T-11140, T-11141 and T-11144 for compilation as part of Section A, but photographic coverage was marginal in T-11140, T-11141 and T-11144, and inadequate in T-11139.

The forward lap was approximately 60% and the side-lap varied from 20% to 45%.

The prints, enlargements on positype paper using the distortion plate in the printer, were of good contrast and definition. Some tilt was noticed but not enough to merit special attention.

26. ACCURACY AND RECOMMENDATIONS.

The accuracy of this photogrammetric plot is in doubt because the scarcity of control was aggravated by the interruption of azimuths when several photograph centers fell in the water. (See sketch on page 3). Also the differences in 1943 compilation positions and the 1953 photogrammetric plot positions for the points tabulated in Item 24 must be considered in evaluating the accuracy of this plot notwithstanding the lack of any reports on the 1943 work. However, by all criteria the plot seemed very good. Furthermore, the intersections when cutting in detail points and the photo-hydro signals were checked and all were considered to be very good.

It is therefore recommended that the accuracy of this photogrammetric plot be checked by locating stations or substitute stations in the vicinity of the red circles shown on the sketch; that the points be cut in on the map manuscripts and then the field positions be plotted. If the radial plot positions of these points meet the required accuracy it is believed that the remainder of the plot is satisfactory, if not, the new control may be used in a new radial plot.

It is noted that of the proposed check points, "Circles 1, 2, 3 and 5 are in the area of triangulation stations shown on the 19h3, and Ph-11h manuscript, elthough the control identification card of 19h3 on 1, 3 and 5 lists them "Not recovered".

Circle 1 - OYSTER RIVER FLAG STAFF, 1908

Circle 2 - TANK WINDMILL, 1908, identified on the 1943 photographs, could not be identified on the 1952 photographs, perhaps a substitute station from the footings of the old windmill, preferably about 400 meters east of the station.

Circle 3 - MARSH, 1908 Circle 5 - POINT, 1908

27. GENERAL.

A final check was made to insure proper transfer of all pass points, control and photograph centers to the material limits of all map manuscripts. "Dog-ears" for the photograph centers needed for compilation were added to complete the preparation of the map manuscripts.

Dates of completion of the radial plot are as follows:

T-11140 and T-11141 - - 11 March 1953 T-11143 - - 12 March 1953 T-11142 and T-11144 - - 13 March 1953 T-11145 and T-11146 - - 16 March 1953 T-11147 - - 18 March 1953

Respectfully submitted

Milton M. Slavney, Cartographer, Tampa Photogrammetric Office i. So.

APPROVED AND FORWARDED

J. E. Waugh, Chief of Party

Ja Markette four single

SUPPLEMENT TO PHOTOGRAMMETRIC PLOT REPORT.

The 1953 Photogrammetric Plot for T-11139, using the four singlelens contact prints 51-J-5979 through 51-J-5982 flown in 1951, was not considered tight enough for final hydrographic control because the photographic coverage was inadequate. A preliminary radial plot by the field party was extended by planetable survey E. C. F. P. Ab 53 to provide hydrographic control up the Salmon Falls River.

Attempts to reconcile the shoreline of the planetable sheet with the office compilation of T-11139 and planetable positions of some hydrographic signals with photogrammetric positions failed.

When notice of the impending visit of Mr. B. G. Jones, Technical Assistant to Chief, Photogrammetry Division, was received, it was decided to wait until this could be discussed with him.

A new photogrammetric plot with adequate photographic coverage for T-11139 of Section A, Ph-11h(53) was authorized in discussion with Mr. B. G. Jones and correspondence with Chief, Photogrammetry Division. See copy of letter which is included with this report.

The sketch on page 7 of this report shows the 1951 and the 1954 photographs, and the control used on the photogrammetric plot for T-11139.

The new photographs are single-lens taken on 29 April 1954 at approximately 1:20,000 scale with the Wild Camera. The prints are 2-diameter enlargements on acetate impregnated paper.

Vinylite templets were made from the prints. No provision was made for distortion correction.

Control and pass points used on the 1953 plot for T-11139 and T-11141 were transferred to the photographs used on this plot. Two triangulation stations, SOUTH BERWICK LARGE BLACK TANK, 1908, and SOUTH BERWICK ACADEMY LARGE STONE CUPOLA, 1908, were transferred from the 1943 field photographs to control the north end of the north-south flight.

The plot was run on the manuscripts by laying the two flights simultaneously. The north-south flight was started with photograph 5h-W-136h and ended with 5h-W-1369. The east-west flight was started with fixed photograph 5h-W-1372 and tied into the north-south flight with 5h-W-1373.

All the control was held. PACIFIC MILLS RED BRICK STACK, 1943, which fell on the edge of one Photograph on the 1953 plot and which was



DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY WASHINGTON 25

IN REPLY ADDRESS THE DIRECTOR
U, S. COAST AND GEODETIC SURVEY
AND NOT THE SIGNER OF THIS LETTER

REFER TO NO.

ND REFER TO NO.

10 March 1954

To: Officer-in-Charge
U. S. Coast and Geodetic Survey
Tampa Photogrammetric Office
P. O. Box 1689
Tampa, Florida

Subject: Additional photographs for map T-11139, Project Ph-114A

Reference: Your discussions with Mr. B. G. Jones at Tampa

We find no available photography in T-11139 in addition to that already furnished you. However, we are going to schedule a short single-lens flight in this area to strengthen your plot of the shoreline. These photographs should be available about 1 May 195h.

Manuscript T-11139 should be held at Tampa for use of the new photography unless the Morfolk Office has some urgent need for the shoreline that will not permit waiting until May. Please inform me if you have any questions about this.

/s/ O. S. Reading

C. S. Reading Chief, Div. of Photogrammetry





7 October 1953

To:

The Director

U. S. Coast and Geodetic Survey

Washington 25, D. C.

Subject:

Project Ph-Illi (Area A)

Reference: Letter dated 30 April 1953 - 711-asl

Enclosed is a letter transmitting the manuscripts and photographs covering Area A of Project Ph-114; and the Form 2226-12 and computations of the various check points required by the reference letter.

A short comentary on each of the points located for test purposes follows:

TEST POINT NO. 1 - This point was located as a sub point for station "OYSTER RIVER FLAGSTAFF 1908". This station was reported destroyed in 1943 but an investigation showed that the base of the pole was still in position even though the staff had been cut down. Consequently, this remant of the station was used to locate a sub point which, when radially plotted, checked the computed position within 3 meters.

*

TEST POINT NO. 2 - This point was located, as requested by the Tampa Office, in the sidelep areas of Photos DW-9K-179 and 180. The traverse was run from station "TANK WINDMILL 1908". As the station, an intersected object, could not be occupied, and since no azimuth was visible from the ground, the traverse was based on a Polaris Observation taken between Points 1 and 2 of the traverse. The azimuth was then carried back to the first line, reverses by adding 180 degrees, and the traverse computed by Geographic Positions. The radial plot position of the sub point checked the computed position within 6 meters. The computation of this traverse has not been checked in the field and should be checked before the result is considered final. This was taken up with Capt. Reading on his visit here and it is with his permission that the traverse is submitted without having been checked. See not next frage

TEST POINT NO. 3 - - In order to locate Test Points 3, 4, and 5, single triangles were observed to establish marked stations, which were then used to establish positions for sub points. In this perticular area, a marked triangulation station (WATSON 1953) was established, and the sub point was located by laying out a base at the station and observing on the sub point from both ends of the base. The computed position of the sub point checked the radial position almost exactly.

TEST POINT NO. h - A marked topographic station, WEEK 1953, was established as a no check position from the two marked triangulation stations mentioned above, and the test point was computed as a sub point for this station. The computed position checked the radial plot position within 5 meters.

TEST POINT NO. 5 - This test point was established as a sub point for triangulation station "POINT 2 1953" which was located by single triangle. The sub point is also a pass point on the manuscript, and the computed position checked the plotted position with 4 meters.

The various stations numbered and required for identification on the diagram on Page 6 of Reference 3 of the reference letter, were identified with the exception of No. 14-which was found to have been destroyed.

Form 2226-12 for the following numbered stations were sent to Tampa for the compilation of sheet 1111/2 and should be secured from that office.

NO. 37 - STARK 145 1941

No. 39 - FROST POINT 114 1941

NO. 40 - ODIORNES POINT 143 1941

NO. LA - PULPIT ROCK 11/2 19/11

NO. 44 - RTE LEDGE 139 1941

A complete list of the recovery, identification and establishment of the stations in this area is enclosed with the field data.

Computations of Geographic Positions for the two permanently marked triangulation stations will be forwarded to the Division of Photogrammetry for submission to the Division of Geodesy.

With regard to sentence 2 of paragraph 3 of the reference letter, numerous sub points were selected during the field work in sheets 111147 and 111144, and should satisfy the stipulation for identified control in sheet 11168.

Respectfully submitted,

John C. Lajoye Cartographer, USCAGS

An error in the traverse computation for Test Point No. 2 moved the geographic position to within about two meters of the radial plpt position.

Takena Processanters:

DERICE

not held at that time, was held on this plot when the transfer was corrected.

It is noted that the triangulation symbol for Elliot Greenhouse Stack, 1943, on the 1943 1:20,000 compilation T-8527, is shown around a "prick-hole" that is 73 meters 341° in azimuth from a "prick-hole" that is the true position of the STACK. Examination revealed that the published quadrangle DOVER EAST N.H., ME. shows the station symbol with the same error. This station falls on T-11141 of this project.

The photographs are sharp and of excellent contrast. Some tilt was observed but none severe enough to justify computation.

Agreement between the 1953 photogrammetric plot and this one varied from 0.0 mm in the western portion to 1.2 mm (12 meters) at the eastern limits of the 1953 plot.

It is believed that this plot meets the accuracy requirements.

There follows a comparison of the radial plot positions and the field positions for the five check points called for in Item 26 of the Photogrammetric Plot Report for Section A of Ph-llh(53). Reference letter dated 10/7/53 to the Director from Mr. J. C. Lajoye (copy attached)

POINT	DISTANCE AND DIRECTION OF FIELD POSITION FROM PHOTOGRAMMETRIC POSITION
st Point No. 1	3 meters south 2 meters north

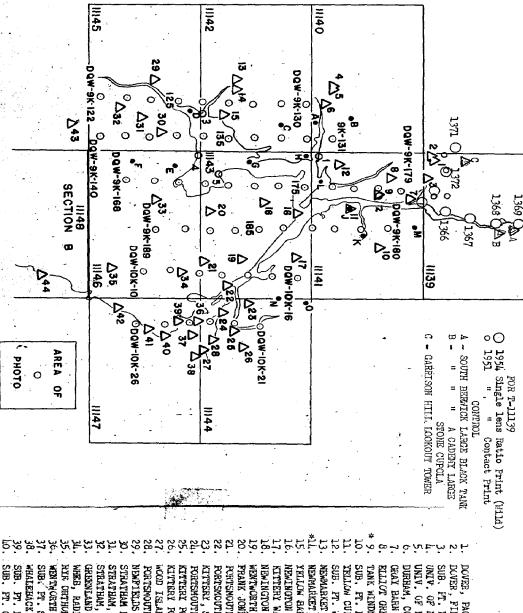
Test Point No.	1	3 meters south
Test Point No.	2	2 meters north
Test Point No.		0.0
Test Point No.	4	5 meters southeast
Test Point No.	5	4 meters west

Respectfully submitted,

Milton M. Slavney Cartographer Tampa Photogrammetric Office

APPROVED AND FORWARDED:

Ira R. Rubottom, Chief of Party



FOR PH-114(53) SECTION A PHOTOGRAMMETRIC PLOT SKETCH FOR REPORT ON

O HORIZONTAL CONTROL STATION
O CENTER OF SINGLE LENS PHOTOGRAPH

INDEX OF CONTROL

DOVER, PACIFIC MILLS RED BRICK STACK, 1943 NEWINGTON CHURCH, SQUARE SPIRE, 1850-1908
WENTWORTH ACRES, TANK, 1943
FHANK JONES STANDFIPE, 1908
FORTSMOUTH STANDFIPE, 1928
FORTSMOUTH NORTH CHURCH SPIRE, 1900 relion curbla, horizontal strifes, 1908 sub. pt. mant, 1908 TANK WINDMILL, 1908 SUB. PT. PROST, 1908 UNIV. OF N. H., DURHAM, TANK, 1943 UNIV. OF N.H., DURHAM,STACK, 1943 DOVER, FIRST PARISH CONG. CHURCH SPIKE, 1943 HAY BARN GUPOLA, 1908 JURHAM, COMMUNITY CHURCH SPIRE, 1850 EWINGTON R. R. STATION, NW CHIMNEY, 1908 LITTERY WATERWORKS STANDFIPE, 1943 EWMARKET, ELLOW BARN CUPOLA; 1908 LLIOT OREMNHOUSE STACK, 1943 NAKEM CHAPEN CO., STACK, 1943 INDUSTRIAL ASSN. TANK, 1943

ittery, second m. e. church cupola,

ITTERY ROTHT CONG. CHURCH SPIRE, 1900 ITTERY POINT BAPTIST CHURCH SPIRE, drismouth navy yard, standpife, 1915 1898

ORTSMOUTH HARBOR L.H., 1878 COD ISLAND CUAST GUARD CUPOLA, 1917

STRATHAM HILL FIRE TOWER, 1941 STRATHAM, SQUARE CHURCH SPIRE, 1908 EMPTELDS INIVERSALIST CHURCH, TALL SLENDER SPIRE, 1908

HEENLAND ORTHODOX CHURCH TALL SPIRE, TALL CHURCH SPIRE, 1908

SUB: PT. STARK 145, 1941 ENTHORTH HOTEL, HIGHEST CUPOLA, OLD BUILDING, 1898 и опинора сники сриж, 1850

SUB. FT. PROST POINT 114, 1941 SUB. FT. COTGRNES POINT 143, 1941 HALEBACK L.H., 1878

PULFIT ROCK 112, 1911
OCEAN WAVE HOTEL CUPOLA, 1898.
SUB. PT. ROLLINS, 1911
SUB. PT. REE LEDGE, 1911

*Not identifiable on the 1952 photographs used in this radial

9

STATION SOURCE OF INFORMATION (INDEX) DOVER, PACIFIC MILIS G, P's Stack, red brick, Pge 79 DOVER, 1908 DOVER, 1908								
STATION SOURCE OF INFORMATION (INDEX) DOVER, PACIFIC MILIS G, P's Stack, red brick, Pge 79 large, 1908 "							N.A. 1927 - DATUM	
	DATUM	LATITUE	DE OR x	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS	DATUM	DISTANCE FROM GRID OR PROJECTION LINE IN METERS	FROM GRID OR PROJECTION LINE IN METERS
					FORWARD (BACK)		FORWARD (BACK)	FORW
<u> </u>	<u> </u>	143	Ħ	15.17			1393.9 (457.7)	
	1927	20	52	22.52			508.5 (846.2)	·
r r		43	7	15.811			487.9 (1363.7)	
. 60	11	20	51	31.742			716.8 (638.1)	,
DOVER, FIRST PARISH CONG. CHURCH, SPIRE,		εη	11	27.612			852.1 (999.5)	
1908 Pge 79	=	ol.	52	27.241	•		(1,661) (1,519)	
DOTELST. BARI S CATH. CHIRCH. LARGE.		<i>ल</i>	1	55.60			1715.8 (135.8)	
SQUARE SPIRE 1908 Pge 376		2	ex	39.00			880.5 (171.1)	
DOVER SY. JOHN S. S. R. E. CHINGE. SPIRE.		3	ជ	52.255			1676-3 (177-3)	
1966 Pge 79	•	25 01		21.172			hB4.8 (869.8)	,
TILE BOSINGO		: ६५	व	34.052			1050.8 (800.8)	
1943 Pgs 80		Q	2%	12.648			285.5 (1068.9)	
SOUTH BESIDES.		S	7	16.156		i	198.6 (1353.0)	
1908 Pge 115		<u>o</u>	97	33-22			750.2 (603.5)	
SCUTTE BESMICE,		EY	ex .	1,8.62	-		1500.h (351.2)	
STORE CUPOLA, 1908 Pge 16	•	70	1.6	17.76			400.8 (953.2)	1
							·	
							•	
			_				·	
		,						
						_		10

MAP T. 11110		PROJECT NO	CT NO.		SCALE OF MAP		SCALE FACTOR	HC.
STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE O	LATITUDE OR v.COORDINATE LONGITUDE OR x.COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN WETERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN MEYERS FORWARD (BACK)
DURHAM, UNIV. OF N.H., Stack, 1943	G.P18 Pge.78	N.A. 1927	13 08 70 56	12.657			390.6 (1461.0) 270.2 (1085.8)	
Durham, Com. Church Spire, 1850-1908	H, n Pge 77	#	43 of	58.330 22.824			1800.0 (51.5)	
DURHAM, UNIV. OF N.H. Water Tank,	n Pge 78	#	43 08 70 56	1			471.7 (1379.8) 259.7 (1096.3)	
			,					19
1 FT.=.3048006 METER C1 ASTROCT			92 P.	1053	p.m.	T CABOOPETE	wru og Boh	M-2388-12

STATION	MAP T. THUT		PROJEC	PROJECT NO.	4TU	SCALE OF MAP	בידום לחדים	SCALE FACTOR	۳.
ELLION USB. STACE, R. P. 13 10 22-IA2 1908 Re 6	STATION	SOURCE OF INFORMATION (INDEX)	1	LATITUDE OF LONGITUDE O	R y-COORDINATE	DISTANCE FROM GRID IÑ FEET. OR PROJECTION LINE IN METERS	DATUM	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN WETERS	DISTA PROJE ETERS
1908 Re 66 1927 1925 1959	OWER ELLIN		. li_						
Fige 79 1927 70 51 30-256 669-5 (665-7) 1908	ORFENHOUSE, STACK.	9			29.412			907.7 (943.9)	-
Fige 66	1943	rge 79			30.526			689.5 (665.7)	
Rec 66 70 1,7 21,370 550,6 (805.0) Rec 72 1,13 0.8 23,965 1339.2 (102.0) Rec 72 1,0 51, 59.256 1339.2 (106.8) Shiftes	700 L 1008	Œ			Jul. 392			1369.9 (481.7)	
1908	ooke frame	Pge 66			24.370			550.6 (805.0)	
HIGH SHIFTS 1	Leven 1008	#			23.965			739.5 (1112.0)	
Cupolla States 1	00/4 (4)000	Pge 72	#	,	59.256			1339.2 (16.8)	
BARN, CUPCIA, " 70 49 47.202 1066.6 (289.2) BARN, CUPCIA, " 70 50 23.50 50.20 BRIVER " 43 07 38.133 176.7 (674.8) SPAPP, 1908 Pre 51 10 51 56.279 1272.1 (64.10)	YELLOW CUPOLA THE		•				i 	1645.0 (206.6)	
BARN, CUFOLA, " h3 10 h8.73 150.8 (347.8) BE 76 " 70 50 23.50 59.7 (82h.4) BRIVER h3 07 38.133 1176.7 (67h.8) STAPP, 1.908 Fige 51 " 70 51 56.279 11272.1 (84h.10)	1908							1066.6 (289.2)	
# REP 76 " 70 50 23.50 59.7 (824.4) # RIVER " 43 07 38.133 ## STOPP, 1908 Pge 51	TRAY BARN, CUPOLA,	5			148.73	-		<u> </u>	
908 Re St. 11 07 38.133 1176.7 (671.6) 1177.1 (81.10) 1177.1 (81.1	1908	Pge 76			23.50			-	
1272.1 (84,10)	DESTER RIVER	#			38.133				
	FLAGSTAFF, 1906	rge M			56.279)	
								·	
	1								
	-								
				*					
									2
	1 FT = 3048006 METER				, p	¢		70	M - 2388 - 12

STATION					-		
	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR vCOORDINATE LONGITUDE OR xCOORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
INDUSTRIAL ASSN.,	G.P's Pge 79	N.A. 1927	43 04 49.013 70 56 12.748			1512.5 (339.0) 288.4 (1068.9)	
80	n Pge 52	#	43 04 37.01 70 55 00.00			0.0 (0.0)	
MARSH, 1908	" Pge 52	5	25.03			ন ল	
	<u> </u>	 					
		!					
		 					
							-
		-					
		 - 					
							21
FT. = . 3048005 METER COMPUTED BY L. L. Saperstein	rstein	DAT	DATE 26 Peb. 1953	CHECKED BY B.B. Sml th	Ltp	DATE 26 F	26 Feb. 1953

DATUM LAITUDE OR у. COORDINATE DISTANCE FROM GRID IN FEET, LONGITUDE OR X. COORDINATE DATUM N.A. 1927 - DATUM DISTANCE FROM GRID IN FEET, LONGITUDE OR X. COORDINATE DATUM CONTRIBUTE N.A. 1927 - DATUM DISTANCE FROM GRID IN FEET, LONGITUDE OR X. COORDINATE DATUM CORPUSION OR PROJECTION LINE IN WETERS COWRECTION (100 FROM NO. 1804CO) N.A. 193 OF 18.09 OP 16.1763.2							שלאר כו ולואן		10 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
University No. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	STATION	SOURCE OF INFORMATION (INDEX)		LATITUD	E OR W.C	OORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM	L	- E
No.	NEWINGTON R. R. STANTION NA CHIMNEY		V			2.28				
NATIONAL 188	1908		1927	ĺ	l	8:09		-	109.0 (947.5)	
Note Page	PORTSMOUTH	£				0.77			1566.7 (284.8)	
STRING, 1900 Pge 38		Pge 46	u u			7.03			•	
STTORE, 1900 Pge 36	FORTSMOUTH, NORTH	=				5.881			(E.14/1) (2.70LL	
1908 1908 1909	CHURCH SFIRE, 1900	Pge	=	20		9:967			677.9 (679.h)	
1900 1900		z				6.832			519.4 (1332.1)	
10 10 10 10 10 10 10 10	FOINT, 1908	Pge 50				3.227			978.0 (379.5)	
SPINE, Pge 50 n 70 50 00.493 11.1 (1345.6 13.000 13.	NEWINGTON, CHURCH,					3.283	1		164.3 (207.3)	
## John House Fige 78	SQUARE SPIRE,	Pge 50	=			0.493			11.1 (1345.8)	
ACHURES PER 70	PORTSMOUTH,	*	<u>-, -, -, -, -, -, -, -, -, -, -, -, -, -</u>	ĺ		186.6			308.1 (1543.4)	
### WORKS "	WENTWORTH ACHES	Pge	=	æ		8.913			1106.4 (250.8)	
# TOWER H. Letter " 13 04 48.00 14.81.2 (370.3) -18.8 1462.4 (389.1 380.1 14.02.4 (389.1 14.02.4 (389.1 14.02.4 (389.1 14.02.4 (389.1 14.02.4 (389.1 14.02.4 (389.1 14.02.4 (389.1 14.02.4 (389.2 (1117.7 14.00.4 14.00.4 (1089.9) -0.9 266.5 (1090.8 14.00.4 (1089.9) -0.9 266.5 (1090.8 14.00.4 (1080.8 (108	ELIOP, MAINE WORK			ĺ		6.86			211.7 (1639.8)	
H TOWER B., Letter " 43 oh 48.00 1481.2 (370.3) -18.8 1462.4 (389.1 TOWER B., Letter " 70 45 10.63 240;5 (1116.8) -0.9 239.6 (1117.7 TOWER B., " " 70 45 11.82 267.4 (1089.9) -0.9 266.5 (1090.8 TOWER B.)	STANDETE 1943	Pge	=	Q		0.64			918.7 (437.7)	
# TO 45 10.63 240;5 (1116.8) - 0.9 239.6 (1117.7 avouth er.) # Tourer errent and the state of th	NORTH TOWER	7.044.01		- {		8.00	1481.2 (370.3)	-18.8	1462.4 (389.1)	
# Tourer Br., u u u 70 u5 11.82 267.u (1089.9) -16.8 1369.5 (u82.0 2800TH Br., u u 70 u5 11.82 267.u (1089.9) -0.9 266.5 (1090.8	1928	70000	:	2		0.63	200:5 (1116.8)	- 0.9	239.6 (1117.7)	
266.5 (1090.8 267.1 (1089.9) - 0.9 266.5 (1090.8 constrer	SOUTH TOWER		<u></u>	ĺ		ار 99	1388,3 (463,2)	-18.8	1369.5 (482.0)	
=.3048008 METER	MOUIE DR.	5	5	B		1.82	267.4 (1089.9)	6.0 -	266.5 (1090.8)	
							1			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								;		22
1770: 1-0 70										1
The Man I was a second of the Contract of the	OMBILTED BY T SO	norotośn	[To A	1 05 2	A B Smith	mith		March 1053

MAP T. 11143 PROJECT NO. Ph-114		PROJE(ST NO.	ก- มน	SCALE OF MAP 1310,000	000	SCALE FACTOR)R
STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE	LATITUDE OR y-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
HIL WINDMILL, 1908	G.P's Page 43	N.A. 1927	2 2 2	50 06.072			1547.4 (204.1)	
BOILING ROCK, 1900	n Pge 56	#	7 02	05 55.29			1706.2 (145.3)	
OLD WHARP, WEST CORNER SPILE, 1900	* Pge 60	g					1083.2 (768.4) 366.4 (990.6)	
SOUTH CHIMMEY, HOUSE OFF KITTERE JUNCTION " R.R.STATION, 1900 Pg.	N " Pge 61	#	η OL 10 10	05 18.48 45 33.75			570.3 (1281.3) 763.4 (593.7)	
FRANK JONES STANDPIES, 1908	Letter	N.A.	ण ०८ १	03 59.512		m)2.7.7-	1818.8 (32.8)	
	:							
	-							
								29
1 FT.=. 3048006 METER COMPUTED BY, I . I . Saper steln	ærstein	70	DATE 26	26 Feb. 1953	CHECKED BY. B.B. Sm1th	at th	DATE 2 MAT	2 March 1953 R. 23802

SOURCE OF (INFORMATION (INDEX) G. P. B. B. P. B. P. B. P. B. B. D. P. B. B. D. D. D. D. D. B. D.					Trible Co. Co.	
CHURCH PEC LO	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM	N.A. 1927 - DATOM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
	N.A. 1927	13 05 08.571 70 1,1 55.752			264.5 (1587.0)	
PORTSMOUTH HARBOR L.H. (FT. POINT L.H.) 1878	=				1,78.9 (1372,6) 71,3.8 (613.7)	
ISLAND COAST " CUPOLA, 1917 Pge	10 E	69			1527.5 (324.1)	
KITTERY FOINT CONG. a CHURCH SPIEE, 1900 Pge la	s	गुठ टा			1656.8 (194.7)	
METHODIST EPIS. CHURCH CUFOLA, 1900 - Pre 68		ξς 1			257.0 (1594.6) 1296.7 (60.5)	
retter	B.A.	1,3 04 33.998	1049.1 (802.4)	- 18.8 m	1030.3 (821.2)	
,				H		
						2
1 FT. = 3048006 METER COMPUTED BY A. I. Saperstein		26 Feb. 1953	Satth	nd th	March 1953	M-2388-12

								- Control of the Cont	
NOITATA	SOURCE OF	i i	LATITU	DE OR	LATITUDE OR y.COORDINATE	DISTANCE FROM GRID IN FEET,	DATUM	N.A. 1927 - DATUM DISTANCE	
	INFORMATION (INDEX)		LONGIT	LONGITUDE OR x-COOR	*-COORDINATE	OR PROJECTION LINE IN METERS FORWARD (BACK)	CORRECTION	FNOM GHID OK PROJECTION LINE IN METERS FORWARD (BACK)	FORWARD (BACK)
STRATHAM HILL	G.P's	M.A.	<u>L</u> 3	05	21.832			673.7 (1177.8)	
FIRE TOWER, 1941	Pge 85	1927	Q.	53	26.053			589.8 (768.5)	
STRATHAM, SQUARE	E		143	10	39.789			1227.8 (623.7)	
chiaca Srub, 1909	Pge 445	P	ę	귟	10.164			(1.641) 1.606	
STRATHAM, TALL	a		3	ਰ	οh.979			153.6 (1697.9)	
CHURCH SPIRE, 1908	Pge 448	#	ė	<i>K</i>	05.853			132.5 (1226.2)	
MEMPIELDS UNIV.			E	05	210.11			340.7 (1510.8)	
CHURCH, TALL SIENDER SPIRE, 1908	Pge 4.9	#	B	36	28.306			640.8 (717.5)	
			ļ. -						
				•					
	}								
	·								
	£	3		<u> </u>				4	
	+								
						4			
		, 							
1 FT = 3048006 METER	oratoin		26 Feb. 1043	4 4	1.000.3	A A Sud+h	3m4+h	O Morch 10K2	M.2388.12

CHURCH, TALL SPINE, Pge. 49 1850 GREENIAND ORTHODOX "	SOURCE OF INFORMATION CINDEX)	LATITUDE OR p. COORDINATE LONGITUDE OR x. COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM FROM CORRECTION FO	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
1	N.A. 9 1927	13 00 39.755 70 1,6 24.550		24 24	1226.8 (624.7) 556.0 (802.8)	
-	p	h3 02 11.932			368.2 (1463.3) h3.5 (13th.8)	
Pge Pge	393 0	03		2	78.1 (1773.4) 215.4 (1142.5)	
	•					

MAP T. MAP		PROJECT NO	NC.			SCALE OF MAP.		SCALE FACTOR	JR.
STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDI	E OR y-C	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
OCEAN WAVE	G.Pis	N.A.	c ₃	8	49.479			1526.9 (324.7)	
HOTEL, CUPULA, 1696	Pge 39	1927	æ	111	09.282			210.2 (1148.6)	
MENTHORTH HOTEL,) E¶	03	35.161			1085.0 (766.5)	
OID HIDG.,1898	Pge 39	#		143	35.81.3			810.h (547.3)	
WHALKBACK L.H.,	#		th3 (03	n.213			963.2 (888,3)	
1678	Pge 392		20	7	48.515			1097.8 (259.9)	
PULFIT BOCK 142,			μ3 (01	59.168			1825.9 (25.7)	
1941	Fge 83	.	R	43 1	10.164			230.1 (1128.2)	
FROST FOINT 144,	= (2	73 (03 0	01.243			38.4 (1813.2)	
1941.	rge on	•	2	43	27.867			630.7 (727.2)	
ODIORNES POINT	#		h3 (05	33.453		·	1032.3 (819.2)	
143, 1941	Pge 8tt	=			57.773			1307.7 (50.4)	-
	:	=	143	63	25.359			782.5 (1069.0)	
STAKK LUS, LYUL	Letter	, ,	£	1,2	48.695	Application of		1101.9 (255.8)	
							•		
	•								
									10
	,								

Summary to Accompany T-11139

Field instructions for Ph-114 were issued on 13 March 1953 to provide shoreline and control for inshore hydrographic surveys and to provide standard shoreline manuscripts for chart compilation. The hydrographic phase of this surveying was accomplished in the summer of 1953 under instructions for project CS-355 (Plum Island Sound to Portsmouth Harbor) and CS-361 (Cape Porpoise Harbor).

* THE FIELD INSPECTION REPORT

WAS SUBMITTED SEPARATELY

* Filed as a part of Report T11148

COMPILATION REPORT T-11139

lee note Phonto

PHOTOGRAMMETRIC PLOT REPORT.

Submitted separately as a supplement to the photogrammetric plot report, Section "A", Ph-111.

** Filed as a part of this Report

31. DELINEATION.

The graphic method of compilation was used.

There was no field inspection for this survey.

The power transmission line has not been delineated north of COCHECO RIVER since it could not be identified. Reference Item 38.

32. CONTROL.

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA.

Reference Item 38 relative to planetable survey ECFP Ab 53.

34. CONTOURS AND DRAINAGE.

Contours are inapplicable.

No difficulty was encountered in the delineation of drainage.

35. SHORELINE AND ALONGSHORE DETAILS.

There was no shoreline inspection for this survey. A section of shoreline along SAIMON FALLS RIVER has been shown as approximate? due to shadows from trees along the shoreline.

The low-water lines and channel lines are from photographic interpretation.

Reference Item 38

36. OFFSHORE DETAILS.

No unusual problems were encountered.

37. LANDMARKS AND AIDS.

No statement.

38. CONTROL FOR FUTURE SURVEYS.

Thirteen (13) photo-hydro stations have been shown. They are listed under Item 49 with short descriptions of eleven (11). There are no descriptions available for two (2) stations.

Reference Photogrammetric Plot Report which was submitted as a supplement to Section "A", Ph-llh.

All of the topography is new and not the same as that furnished the hydrographic party.

The hydrographic stations established by planetable survey Ab53 made by the East Coast Field Party could not be fitted to the manuscript. Only those stations that could be positively identified on the photographs have been shown.

The low-water line and channel line are on the manuscript as an aid to the processing office for plotting soundings, since no control is available.

39. JUNCTIONS.

There is no contemporary survey to the east, north and west.

A junction was not made to the south with T-11141 at longitude 70° 49' 30°. It is requested that the W. O. rectify the discrepancy which now exists.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

41. BOUNDARY.

The State boundary between MAINE and NEW HAMPSHIRE was taken from topographic manuscript T-8527, CS 303-C south, Dover East (1944) scale 1:20,000. There was no Boundary Report for this project.

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with USC&QS Survey T-8527, CS-303C south, Dover East (1944), scale 1:20,000. The two are in fair agreement.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with USC&GS Nautical Chart No. 229, published Nov. 1914 and corrected 26 Jan. 1953. The map listed under Item 46 is not the source of planimetry for the nautical chart. The two are in fair agreement.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

R. R. Wagner Carto Photo Aid

APPROVED AND FORWARDED.

Ira R. Rubottom, Chief of Party

48. GEOGRAPHIC NAME LIST.

The geographic names were taken from the manuscript listed under Item 46.

COCHECO RIVER

DOVER

DOVER CITY FARM

EMERSON BROOK

FRESH CREEK

Garrin Brook

GREAT WORKS

CREAT WORK; POND

GREAT WORKS RIVER

GULF_ROAD

HAMILTON BROOK

Lower Narrows

MAINE

NEW HAMPSHIRE

PORTLAND ROAD

QUAMPHEGAN BROOK

ROLLINS NECK ROAD

SALMON FALLS RIVER

SLIGO BROOK

SLIGO HILL

SLIGO ROAD

STATE HIGHWAY 4

upper Harrows

VAUGHAN HILL

Names approved 1-3-55.

49. NOTES FOR THE HYDROGRAPHER.

The following photo-hydro stations will be of use to the hydrog-rapher.

ODD Brich Stack power plant

ROW Tower

TAX Tower

RAN South cedar

PLY East gable white house

BISO Point of Marsh (H-8094)

FAG East end of marsh

NED while signed N row of trees (H-8094)

UMP Red signal in pine tree

ARM Yellow signal

FID Red signal north end of bridge

LAW Red chimney brown house

FAN Stack brick

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T-11139

1. Projection and grids J.G. 2. Title J.G. 3. Manus	script numbers J.G. 4. Manuscript size J.G.
•	
CONTROL ST	ATIONS
5. Horizontal control stations of third-order or higher accuracy	M.M.S. 6. Recoverable horizontal stations of less
than third-order accuracy (topographic stations)	
9. Plotting of sextant fixes10. Photogrammetric plo	ot report <u>J.G.</u> 11. Detail points <u>J.G.</u>
ALONGSHORE	E AREAS
(Nautical Cha	rt Data)
12. Shoreline J.G. 13. Low-water line J.G. 14. Rock	ks, shoals, etc. J.G. 15. Bridges J.G. 16. Aids
to navigation XX 17. Landmarks XX 18. Other al	ongshore physical features $\frac{J_*G_*}{I_*G_*}$ 19. Other along –
shore cultural features	
PHYSICAL FEA	ATURES
20. Water features	• 22. Planetable contours XX 23. Stereoscopic
	•
instrument contours XX 24. Contours in general X	25. Spot elevations AA 26. Other physical
features	
CULTURAL FEA	ATURES
27. Roads J.G. 28. Buildings J.G. 29. Railroads J	•G• 30. Other cultural features J.G.
POHNDAD	NEO.
BOUNDAR	
31. Boundary lines J.G. 22. Public land lines XX	
`	
MISCELLANI	EOUS
33. Geographic names J.G. 34. Junctions J.G. 35.	Legibility of the manuscript J.G. 36. Discrepancy
	inspection photographs J.G. 39. Forms J.G.
- user iles	William a. Rasure
40. Jesse A. Giles Reviewer	William A. Rasure Supervisor, Review Section or Unit
	osportidat, norter oddion of diffe
41. Remarks (see attached sheet)	
FIELD COMPLETION ADDITIONS AND CO	RRECTIONS TO THE MANUSCRIPT
42. Additions and corrections furnished by the field completion	on 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

Review Report T-11139 Shoreline Map 23 Dec. 1954

61. General:

Stick-up was applied to the map manuscripts in this project as a part of the compilation process, i.e., prior to review. The map manuscripts at this phase are labeled, "Advance Print".

These map manuscripts were not altered during review. Any additions, alterations, or deletions recommended by the reviewer are recorded on review correction overlays to be used by the drafting section for application of the called-for revisions on black line impressions on vinylite. These positives on vinylite, with corrections applied, serve as the final map manuscripts.

62. Comparison with Registered Surveys:

T-2958 1:10,000 1909 (with contours)

Except for contours, T-11139 superseded the older survey for charting purposes in their comparable area.

63. Comparison with Maps of Other Agencies:

USE Dover East, N. H., Me., 1:25,000, 1950

T-11139 supersedes the quadrangle for shoreline and planimetry for charting purposes.

64. Comparison with Contemporary Hydrographic Surveys:

H-8094 (ECFP 1753) 1:10,000 1953 Upper Piscataqua River and tributaries

* The shoreline on T-11139 is not the same as on H-8094 because a new plot was laid for T-11139 with additional control. (Refer to Supplement to Photogrammetric Plot Report attached to the Photogrammetric Plot Report for Section A.) * Filed as a part of Report Effect.

65. Comparison with Nautical Charts:

THE RESERVE OF THE PARTY OF THE

229 1:30,000 ed. Nov. 1914, corr. May, 1948

This chart is based on survey T-2958, 1909. It is, therefore, obsolete in much of its planimetric detail. Shoreline is still in general agreement.

T-11139 supersedes the chart for shoreline and planimetry.

66. Accuracy:

The supplementary plot for T-11139 was strongly held, as the position of shoreline and the nature of planimetry is as accurate as photo-interpretation permits. Bridge and cable data do not appear on this map, but is covered in Chart Letter No. 58, 1954. The LWL is determined by the hydrographic survey.

Reviewed by:

Leva T. Stevens

Lena T. Stevens

APPROVED:

Chief, Review Section Div. of Photogrammetry

Chief, Div. of Photogrammetry

13 aug. 1958. 🥳

Chief, Nautical Chart Branch

Div. of Charts

Chief, Div. of Coastal Surveys