

11145

Diag. Cht. Nos. 229 and 1206.

Form 504
U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT
Type of Survey <u>Shoreline</u>
Field No. <u>Ph-1114</u> Office No. <u>T-11145</u>
LOCALITY
State <u>New Hampshire</u>
General locality <u>Squamscott</u>
Locality <u>Great Bay to Oxbow</u>
<u>1945</u>
CHIEF OF PARTY E.H.Kirsch, Chief of Field Party I.R.Rubottom, Tampa Photo. Office
LIBRARY & ARCHIVES
DATE <u>September 15, 1958</u>

B-1870-1 (1)

11145

PRELIMINARY
DATA RECORD

T -11145

Project No. (II): **PH-114(53)** Quadrangle Name (IV):

Field Office (II): **Newburyport, Mass.**

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

Photogrammetric Office (III): **Tampa, Florida**

Officer-in-Charge: **J. E. Waugh**

Instructions dated (W) (III): **20 February 1953**

Copy filed in Division of
Photogrammetry (IV)

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): **APR 7 1953**
Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): **N. A. 1927**

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

~~Except as follows:~~
Elevations shown as (26) 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): **NEWFIELDS UNIVERSALIST CHURCH, TALL SLENDER SPIRE, 1908**

Lat.: **43° 02' 11".042 (340.7 m.)** Long.: **70° 56' 28".306 (640.8 m.)** Adjusted
~~unadjusted~~

Plane Coordinates (IV):

State:

Zone:

Y=

X=

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

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

DATA RECORD

Field Inspection by (II): **None**

Date:

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location):
Air Photo Compilation
(Office inspection only)

2 July 1952

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: **17 Feb. 1953**

Control plotted by (III): **R. E. Smith**

Date: **3 March 1953**

Control checked by (III): **R. R. Wagner**

Date: **3 March 1953**

Radial Plot ~~xx Stereoscopic~~ **M. M. Slavney**
~~xx Control checked by (III):~~

Date: **16 March 1953**

Stereoscopic Instrument compilation (III):
 Planimetry **Inapplicable**
 Contours

Date:

Date:

Manuscript delineated by (III): **I. I. Saperstein**

Date: **20 March 1953**

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

Date: **26 March 1953**

Elevations on Manuscript
 checked by (X) (III): **None**

Date:

Camera (kind or source) (III): **Single-lens**

DEPARTMENT OF AGRICULTURE
(Mark Hurd Mapping Company)

PHOTOGRAPHS (III)					
Number	Date	Time	Scale	Stage of Tide	
DOW-9K-122	2 July 1952	10:26	1:10,000	2.9 feet	3.18
" -123	"	10:27	"	"	
" -124	"	10:27	"	"	
" -125	"	10:28	"	"	
" -126	"	10:28	"	"	
" -127	"	10:29	"	"	2.1
" -135	"	10:37	"	"	
" -136	"	10:37	"	"	
" -137	"	10:38	"	"	
" -138	"	10:38	"	"	
" -139	"	10:39	"	"	2.9
" -140	"	10:39	"	"	

Tide (III)
Computed from predicted tide tables

Reference Station: **PORTLAND, MAINE**
Subordinate Station: **DOVER POINT, N.H.**
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
-	8.9	10.2
0.7	6.4	7.4

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

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

Shoreline ~~(More than 200 meters to opposite shore) (III):~~ 16

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

Control Leveling - Miles (II): -

Number of Triangulation Stations searched for (II): - Recovered: - Identified: -

Number of BMs searched for (II): - Recovered: - Identified: -

Number of Recoverable Photo Stations established (III): -

Number of Temporary Photo Hydro Stations established (III): 17

Remarks:

Summary to Accompany T-11145

Field instructions were issued for Ph-114 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 survey was accomplished under instructions for CS-355, 6 March 1953, 29 January 1954, and 16 February 1955 - Gloucester Harbor, Massachusetts to Biddeford and Saco River, Maine.

T-11145 is one of Part A of the project. This part was compiled without benefit of field inspection.* Subsequent to the hydrographic work, the shoreline was revised to conform to information received from the hydrographic party.

~~A cloth backed lithographic~~ ^{CRONAR} print of each map at manuscript scale and the descriptive report will be registered and permanently filed in the Bureau Archives.

** Control identification and some field inspection data was taken from the prior (1943) topo mapping project. This was done so as to prepare for a hydro. survey that had not been programmed.*

PRELIMINARY

COMPILATION REPORT T-11145

PHOTOGRAMMETRIC PLOT REPORT.

* This report will be submitted at a later date.
* Filed with Report T11146

31. DELINEATION.

The graphic method was used.

The photographs were of fair scale. There was no field inspection and photographic coverage was insufficient along the Squamscott River from Latitude $43^{\circ} 00' 15''$ southward. A pass point and numerous detail points were shown with short ticks where two cuts only could be obtained.

32. CONTROL.

Sufficient pass points were located by the radial plot to control each photograph.

33. and 34.

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS.

The M. H. W. L. was determined by stereoscopic examination of the photographs and delineated accordingly.

The limits of alongshore areas outside of the M. H. W. L. which may be shallow, shoal, grass-in-water, marsh, grass-and-mud or mud and the like have been delineated approximately by a dashed line. It is requested that these areas be investigated and properly classified.

All piers apparent on the photographs have been delineated.

36. OFFSHORE DETAILS.

None noted.

37. LANDMARKS AND AIDS.

No landmarks or aids to navigation have been shown. These will be located by the hydrographer.

38. CONTROL FOR FUTURE SURVEYS.

The recoverable topographic stations (Form 524) located on USC&GS Map Manuscript T-8530 (), scale 1:20,000, were examined; however, none appeared to be usable as photo-hydro stations.

Seventeen (17) temporary photo-hydro stations are shown. These are listed under Item 49.

39. JUNCTIONS.

Satisfactory junctions were made with T-11142 to the north and T-11146 to the east. A satisfactory junction with T-8533 () scale 1:20,000, could not be made along the SQUAMSCOTT RIVER. This compilation does not agree with the T-8533 compilation by 1.7 mm. This discrepancy will be discussed in the Photogrammetric Plot Report.

There is no survey to the west.

40. HORIZONTAL AND VERTICAL ACCURACY.

Reference Item 31 and Photogrammetric Plot Report relative to horizontal accuracy.

41. OVERHEAD CABLE.

There appears to be an overhead cable across the Squamscott River at approximate Latitude $43^{\circ} 00' 45''$. The transmission towers on each side of the river are located on the manuscript.

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with USC&GS Quadrangle T-8530 (), scale 1:20,000. Any shoreline differences are due to differences in the radial plot and will be discussed in the Photogrammetric Plot Report.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with USC&GS Nautical Chart No. 229, scale 1:30,000, published November 1914 and corrected to 26 January 1953. No appreciable changes were noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Irving I. Saperstein
Irving I. Saperstein
Cartographic Photogrammetric Aid

APPROVED AND FORWARDED

J. E. Waugh
J. E. Waugh, Chief of Party

48. GEOGRAPHIC NAME LIST.

Only base map names have been shown. They were taken from
USC&GS Nautical Chart No. 229.

49. NOTES FOR THE HYDROGRAPHER.

A number of temporary photo-hydro stations were selected in the Tampa Photogrammetric Office for use by the hydrographer. The stations selected and pricked on the photographs consist principally of lone trees, bushes, gables of buildings, tanks, chimneys, transmission towers, piers and the like. An effort was made to select stations about one-quarter of a mile apart; however, it was impossible in certain areas to prick any object whatsoever which could be positively recovered in the field. In small coves and inlets, wherever possible, photo-hydro stations were pricked at closer intervals in order that a fix might be obtained readily.

The number and description of each temporary photo-hydro station follows:

	<u>NUMBER</u>	<u>DESCRIPTION</u>
TOW	074	Center of tower on bridge. (<i>B & M RR</i>)
	075	Lone tree, north of tree line, at waters edge.
	076	Large lone tree, in cleared area, about 3 m. south of shoreline.
	081	Lone bush, west of solid row of trees, on beach. <i>at edge of marsh</i>
	082	Center of offshore end of pier, just west of large tree, the most westerly of two piers.
CAT	093	Lone tree, the most easterly of some scattered trees.
ERD	094	Center of east end of building, south of stream mouth.
MAR	095	Lone tree, immediately west of marsh line.
PIE	096	SW corner of pier.
RID	097	Center of northern end of east bridge fender. <i>State 100, Squamscott R.</i>
BAG	098	Center of southern end of east bridge fender.

Distances from shl. estimated prior to addition of fringing marsh.

49. NOTES FOR THE HYDROGRAPHER. (CONTINUED)

<u>NUMBER</u>	<u>DESCRIPTION</u>
SHO 099	Lone tree, about 10 ²⁰ m. inshore.
OWN 100	East gable of "L" shaped building, about 10 m. west of shoreline.
204	Center of offshore end of pier.
205	Center of transmission tower, on west side of river, about 90 m. inshore.
206	Center of transmission tower, on east side of river, about 35 m. inshore.
OAK 207	Large tree, the most westerly of two large trees, and north of three bushes in line.

N. of the Oxbow

S. of overhd Cable

TIDE COMPUTATION

PROJECT NO. Ph. 114 T-11145

Time and date of exposure 10:37 2 July 1952 Reference station

PORTLAND, MAINE

Mean range 6.4

Date of field inspection

Subordinate station

DOVER POINT, N.H.

Ratio of ranges 0.7

	Time	
	h.	m.
High tide	7	31
Low tide	13	34
Duration of rise or fall	6	03

	Height	Height x Ratio
	feet	of ranges
High tide	7.5	5.0
Low tide	1.3	0.9
Range of tide		4.1

	Time	
	h.	m.
High tide at Ref. Sta.	6	01
Time difference	7	30
Corrected time at Subordinate station	7	31

	Time	
	h.	m.
Low tide at Ref. Sta.	12	04
Time difference	1	30
Corrected time at Subordinate station	13	34

	h.	m.		feet		feet	Photo. No.
Time 4/1/54 L. T.	13	34	Ht. 4/1/54 L. T.	0.9	Feature bares		DQM-9K-136
Required time	10	37	Tabular correction	2.0	Stage of tide above MLW		
Interval	2	57	Stage of tide above MLW	2.9	Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		

M-2617-12

Computed by I. I. Saperstein Checked by R. E. Smith

PRELIMINARY

Form T-2

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T-11145

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

CONTROL STATIONS

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) J.G. 7. Photo hydro stations J.G. 8. Bench marks XX
9. Plotting of sextant fixes XX 10. Photogrammetric plot report J.G. 11. Detail points J.G.

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

33. Geographic names J.G. 34. Junctions J.G. 35. Legibility of the manuscript J.G. 36. Discrepancy overlay XX 37. Descriptive Report J.G. 38. Field inspection photographs XX 39. Forms J.G.
40. Jesse A. Giles William A. Rasure
Reviewer Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

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

Compiler

Supervisor

43. Remarks:

M-2623-12

DATA RECORD

T - 11145

Project No. (II): Ph-114 (53) Quadrangle Name (IV):

Field Office (II): Newburyport, Mass.

Chief of Party: E. H. Kirsch

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: Ira R. Rubottom

Instructions dated (III): 20 February 1953

Copy filed in Division of
Photogrammetry (IV)

13 March 1953

Supplement No. 1, 28 March 1953

Supplement No. 2, 30 April 1953

Supplement No. 3, 6 May 1953

Supplement No. 4, 26 May 1953

Supplement 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):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III):

N. A. 1927

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

~~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): Reference Page 1 of Preliminary Report

Lat.:

Long.:

Adjusted

Unadjusted

Plane Coordinates (IV):

State:

Zone:

Y=

X=

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

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

A grid of graph paper with the word "SHORELINE" printed in the center. The grid consists of 10 columns and 10 rows. The word "SHORELINE" is printed in a bold, sans-serif font, centered horizontally and vertically within the grid. The letters are black and have a slightly distressed or hand-drawn appearance. The grid lines are thin and black, forming a uniform pattern of squares across the entire page.

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):

2 July 1953
 Air Photo Compilation
 (Office Inspection only)

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: **17 Feb. 1953**Control plotted by (III): **R. E. Smith**Date: **3 March 1953**Control checked by (III): **R. R. Wagner**Date: **3 March 1953**

Radial Plot or Stereoscopic

Date: **16 March 1953**Control extension by (III): **M. M. Slavney**

Stereoscopic Instrument compilation (III): **Inapplicable**
 Planimetry
 Contours

Date:

Date:

Manuscript delineated by (III): **I. I. Saperstein**Date: **13 Jan. 1954**Photogrammetric Office Review by (III): **J. A. Giles**Date: **19 Jan. 1954**

Elevations on Manuscript

Date:

checked by (III): **Inapplicable**

Camera (kind or source) (III): Reference - Preliminary Compilation Report

PHOTOGRAPHS (III)
 Number Date Time Scale Stage of Tide

See Preliminary Compilation Report

Tide (III)

Reference - Preliminary Compilation Report

Reference Station:
 Subordinate Station:
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV): *Lena J. Stevens*

Date: 9 Dec. 1955

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 4

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

16

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

Control Leveling - Miles - (II):

Number of Triangulation Stations searched for (II): 1*

Recovered: 1

Identified: 1

Number of GMS searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): -

Number of Temporary Photo Hydro Stations established (III): 37**

Remarks:

* South of project

** 17 photo-hydro stations were identified in the office.
 (See preliminary compilation report.)

~~THE~~ FIELD INSPECTION REPORT
IS Filed with Report T11148
WAS SUBMITTED.

Final
COMPILATION REPORT T-11145

PHOTOGRAMMETRIC PLOT REPORT.

* Submitted as a separate report.

* *Filed as a part of Report T11146*

31. DELINEATION.

The graphic method was used.

The photographs were of fair scale.

There was no field inspection whatsoever and it is possible that some buildings may be omitted because they are hidden by trees. Only those features that could be seen on the photographs were shown on the manuscript.

Photographic coverage was insufficient along the SQUAMSCOTT RIVER from latitude $43^{\circ} 00' 40''$ southward. A pass point, photo-hydro stations and numerous details points are shown with green ink, because of two cut intersections only.

32. CONTROL.

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS.

Reference Item 35 of the preliminary compilation report.

A representative of the hydrographic party who visited this office disagreed with the shoreline as interpreted from the photographs by the compiler. The hydrographic party member placed the apparent shoreline farther offshore than did the compiler. All changes in shoreline, as determined by the hydrographer, are shown in red ink on the map manuscript.

The low-water line shown in blue pencil on the map manuscript was transferred from the boat sheet. In only one area could a junction be made between the boat sheet low-water line and the

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low-water line as interpreted from the photographs. In this area a change of photographic tone was used to determine the approximate low-water line.

36. OFFSHORE DETAILS.

None.

37. LANDMARKS AND AIDS.

None.

38. CONTROL FOR FUTURE SURVEYS.

No recoverable topographic stations were established.

Twenty (20) photo-hydro stations were identified on the photographs and cut in radially on the manuscript by the field party. They have been listed with short descriptions under Item 49. These stations were all recut in the compilation office and checked the field position exactly with the exception of station POP which differed by only 0.25 mm. Only two cuts were obtainable for this station. The office position is shown in black ink with a green circle around it and the field position in red.

*Heading 31
74*

(See Items 38 and 49 of the Preliminary Compilation Report for numbered photo-hydro stations identified in the office).

39. JUNCTIONS.

Satisfactory junctions were made with T-11142 to the north and T-11146 to the east.

There were no contemporaneous surveys to the south and west.

40. HORIZONTAL AND VERTICAL ACCURACY.

Reference Item 31 and Photogrammetric Plot Report relative to horizontal accuracy.

41. OVERHEAD CABLES.

An overhead cable is shown across the SQUAMSCOTT RIVER at latitude $43^{\circ} 00' 45''$. However, the field party neglected to give the vertical clearance of the cable.

See Hydro Sheet "ECSP 1653"^{H-8093} for another overhead cable across the SQUAMSCOTT RIVER at approximate latitude $43^{\circ} 02' 35''$. This sheet was not in this office and could not be shown on the manuscript.

Vertical clearances of the above two cables may be found in Notice to Mariners No. 42, October 17, 1953.

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with NEWMARKET, N. H. quadrangle, scale 1:25,000, edition of 1944. Both maps are in good agreement and any difference in placement of detail is due to differences in the radial plots. See Photogrammetric Plot Report.

47. COMPARISON WITH NAUTICAL CHARTS.

See Preliminary Compilation Report.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Irving I. Saperstein
I. I. Saperstein
Carto Photo Aid

APPROVED AND FORWARDED:

Ira R. Rubottom
Ira R. Rubottom, Chief of Party

48. GEOGRAPHIC NAME LIST.

Names were taken from the NEWMARKET, N.H. quadrangle.

BAY ROAD

BOSTON AND MAINE RAILROAD

DEPOT ROAD

GREAT BAY

JEWELL HILL BROOK

MIDDLE ROAD

MILL BROOK

NEWFIELDS

NEW HAMPSHIRE

OXBOW

Oxbow Cut (both slanting type)

PARTING BROOK

ROCKINGHAM CEMETERY

ROCKY HILL BROOK

SQUAMSCOTT RIVER

STATE ROAD 108

STRATHAM STATION

Names approved
12-9-55
L. Heck

49. NOTES FOR THE HYDROGRAPHER.

The following photo-hydro stations were identified in the field and are in addition to those photo-hydro stations identified in the office. (See Preliminary Compilation Report.)

<u>NAME</u>	<u>DESCRIPTION</u>
-	End of point of rocks
-	Apex house roof
ABE .	Southerly house gable (Stale 100)
DAW	Westerly house gable (Newfields)
ALB .	Railroad block signal (S. of Parting Brook)
HAG .	Center easterly end of ditch " "
JAP .	Center easterly end of ditch
LAD .	Center of pool at ditch end
ELM .	Center, tree
NAT .	Point of marsh (N. of Oxhd Cab)
CUL .	Center of culvert (S. of Oxhd Cab)
SIG .	Railroad signal (N. of Oxbow)
POP .	Center, small poplar (N. of Oxbow)
GAB .	West gable, building (N. of Oxhd Cab)
KED .	Point on north side creek bend
ICE	Bow of derelict M-8093 E. of Parting Brook
GAD .	Center of tree
FAR .	Silo Nly of row of trees -
S/L	Silo at end of barn W. of Mill Brook
EAR .	Northerly house gable
CAB	West gable
HOW f TAN (on H-8093)	Two trans. towers between Hwy. 108 bridge and R & H RR Bridge

PHOTOGRAMMETRIC OFFICE REVIEW

T-11145

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

CONTROL STATIONS

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) XX 7. Photo hydro stations J.G. 8. Bench marks XX 9. Plotting of sextant fixes XX 10. Photogrammetric plot report J.G. 11. Detail points J.G.

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

33. Geographic names J.G. 34. Junctions J.G. 35. Legibility of the manuscript J.G. 36. Discrepancy overlay XX 37. Descriptive Report J.G. 38. Field inspection photographs XX 39. Forms J.G.
40. Jesse A. Giles William A. Rasura
Reviewer Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

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

Compiler

Supervisor

43. Remarks:

M-2623-12

Review Report, T-11145
Shoreline Map
9 December 1955

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 were recorded on review correction overlays to be used by the drafting section for application of the recommended revisions on black line impressions on vinylite. These positives on vinylite, with corrections applied, serve as the final map manuscripts.

The red shoreline on T-11145 represents alterations to the preliminary compilation. They were made in the compilation section (prior to final review) from information received from the hydrographic party.

62. Comparison with Registered Surveys:

T-2904 1:10,000 1908 Great Bay
T-2905 1:10,000 1908 Exeter (Squamscott) River

Except for the low bluff symbol and the contours, T-11145 supersedes the older surveys for charting, because of natural and cultural changes.

63. Comparison with Maps of Other Agencies:

USE Newmarket, N.H., 1:25,000, 1944 (USC&GS compilation T-8530, 1944)

These maps are in general agreement, except that T-11145 has a fringing marsh along much of the shoreline. T-11145 supersedes the quadrangle for charting shoreline and planimetry.

64. Comparison with Contemporary Hydrographic Surveys:

H-8093 (ECFP 1653) 1:10,000, 1953. Squamscott River, Lamprey River,
Great Bay

The shoreline of T-11145 was used on the hydrographic survey, which located all foreshore features.

During review the grass-in-water symbol was added (by overlay) in the vicinity of the Boston and Maine Railroad bridge.

65. Comparison with Nautical Charts:

229 1:30,000 Nov. 1914, corr. Jan. 1953

T-11145 supersedes the chart for comparable features.

66. Accuracy:

Interior delineation meets the National Standards of Accuracy.
Shoreline is delineated as accurately as office interpretation permits.

Reviewed by:

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