

11166

11572

Diag. Cht. No. 1205

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline

T-11166

Field No. Ph-1114Office No. T-11572

LOCALITY

State MaineGeneral locality York HarborLocality Lobster Cove to Ramshead Pt.1953

CHIEF OF PARTY

E.H.Kirsch, Chief of Field Party

I.R.Rubottom, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE August, 1958

B-1870-1 (1)

DATA RECORD

T - 11166

T - 11572

Project No. (II): Ph-114

Quadrangle Name (IV):

Field Office (II): Photo Party No. 1 and 2

Chief of Party: E. H. Kirsch

Photogrammetric Office (III): Tampa Florida

Officer-in-Charge: Ira R. Rubottom

Instructions dated (II) (III): 20 February 1953

Copy filed in Division of

Supplement No. 1 - 28 March 1953

Photogrammetry (IV)

" 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): 1:10,0000

Stereoscopic Plotting Instrument Scale (III): Inapplicable

Scale Factor (III): None

Date received in Washington Office (IV): 4-25-55

Date reported to Nautical Chart Branch (IV): MAY - 5 1955

Applied to Chart No.

Date:

Date registered (IV): 4/10/58

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): HEIGHTS, 1943

Lat.: 43°08'52.653" (1624.9 m.) Long.: 70°38'44.310" (1001.3m.)

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.

INAPPLICABLE

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

DATA RECORD

Field Inspection by (II): L. F. Beugnet

Date: July 1953

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II):

Date:

Mean High-Water Location (III) (State date and method of location): JULY 1953
Air Photo Compilation

Projection and Grids ruled by (IV): Austin Riley (W.O.)

Date: 13 Aug. 1953

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

Date: 17 Aug. 1953

Control plotted by (III): I. I. Saperstein

Date: 26 Aug. 1953

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

Date: 27 Aug. 1953

Radial Plot ~~or Stereoscopic~~ M. M. Slavney
~~Control-extension~~ by (III):

Date: 15 Oct. 1953

Stereoscopic Instrument compilation (III):
Planimetry
Contours

Inapplicable (see 35, Compilation Report)

Date:

Date:

Manuscript delineated by (III): W. W. Dawsey

Date: 14 March 1955

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

Date: 16 March 1955

Elevations on Manuscript
checked by (II) (III): Inapplicable

Date:

Camera (kind or source) (III): Fairchild K-17-6" Metrogon lens

Number	Date	Time	Scale	Stage of Tide
53-J-327	22 April 1953	0959	1:10,000	3.2
53-J-326	"	0958	"	"
53-J-325	"	0957	"	"
53-J-324	"	0956	"	"
53-J-379	"	1048	"	Low water
53-J-380	"	1049	"	photography

Tide (III)

From predicted tides

Reference Station: Portland, Maine
 Subordinate Station: GERRISH ISLAND WHARF
 Subordinate Station:

MHW

Ratio of Ranges	Mean Range	Spring Range
1.0	8.9	10.2
1.0	8.7	10.0

8.7

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): 2

Shoreline (More than 200 meters to opposite shore) (III): 14

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

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): 4

Recovered: 4

Identified: 3

Number of BMs searched for (II): 1

Recovered:

Identified:

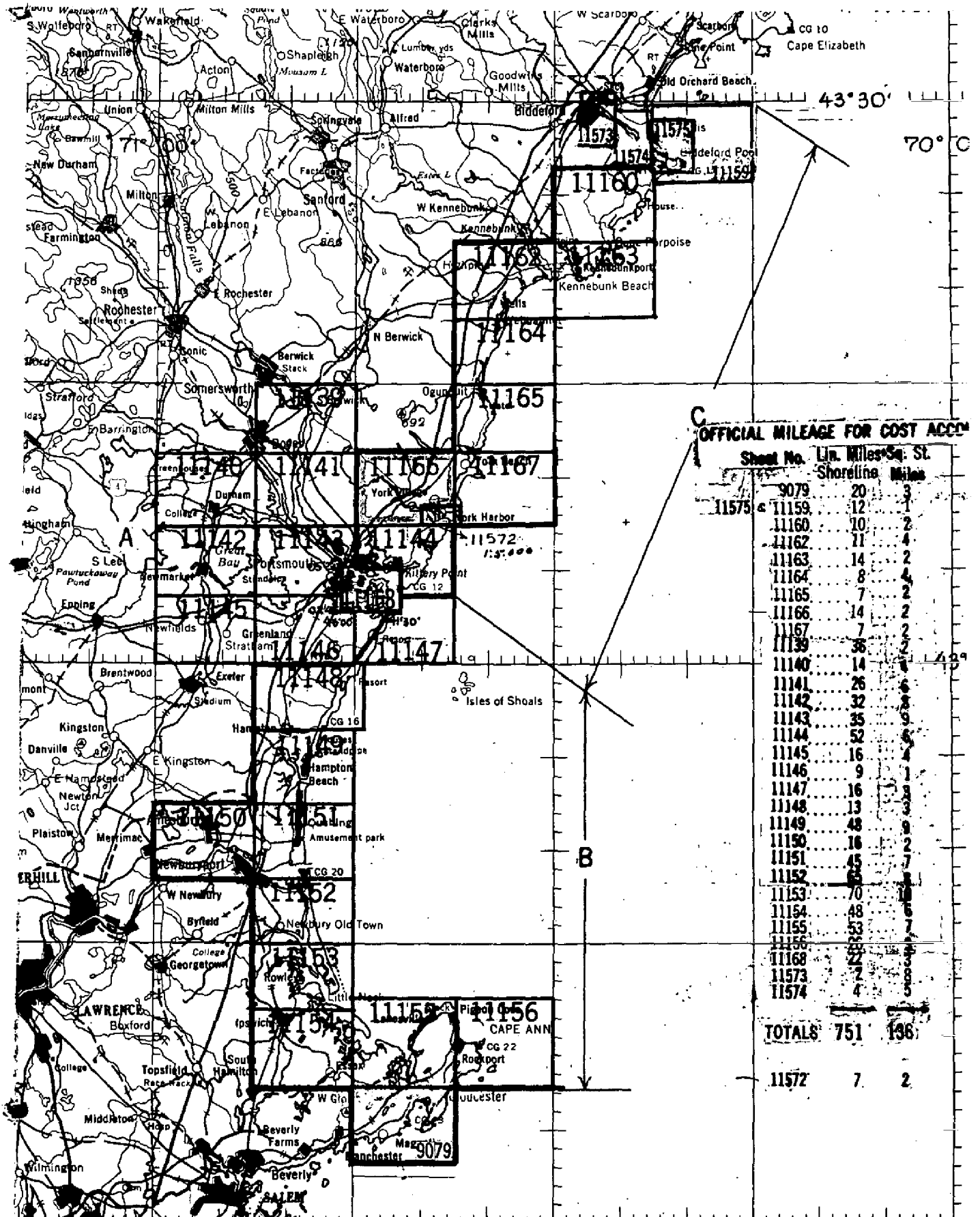
Number of Recoverable Photo Stations established (III): Reference Item 38

Number of Temporary Photo Hydro Stations established (III): Reference Item 38

Remarks:

SHORELINE MAPPING PROJECT PH-114

BIDDEFORD POOL, MAINE TO CAPE ANN, MASS.



Summary to Accompany T-11166

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 surveying in the T-11166 map area was accomplished in 1954 under supplemental instructions 29 January 1954 for project CS-355, which had operated in 1953 from Ipswich Bay, Mass., to Portsmouth Harbor, N.H., and in the upper Piscataqua River.

THE FIELD INSPECTION REPORT IS BEING SUBMITTED

AS A SEPARATE REPORT.

*Filed in Project Completion
Report in library.*

COMPILATION REPORT
T-11166

The photogrammetric plot report was submitted separately.

31. DELINEATION.

The graphic method was used. No difficulty was encountered in the interpretation of the photographs or in the delineation of the manuscript.

The scale of the photographs was fair.

32. CONTROL.

See photogrammetric plot report.

33. SUPPLEMENTAL DATA.

None used.

34. CONTOURS AND DRAINAGE.

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS.

The mean high-water line was traced from a film positive sub-
mitted by the Washington Office of Survey T-11572 done at a scale of
1:5,000 and reduced to 1:10,000, except the shoreline appearing above
latitude 43°08'30" known as LOBSTER COVE. This shoreline was de-
lineated according to the field inspector's notes and photographic
interpretation. The low-water line has been shown according to
notations on the field photographs.

*Heisch Plotter
summer 1954
as "insert" to
T-11166*

36. OFFSHORE DETAILS.

No difficulties were encountered in the delineation of offshore details.

37. LANDMARKS AND AIDS.

All landmarks to be reported by the hydrographic party.

Two (2) aids are shown which were reported on Form 567 during February 1954.

38. CONTROL FOR FUTURE SURVEYS

One (1) permanently marked topographic station was established and Form 524 submitted 24 June 1954.

Twenty-five photo-hydro stations were established by the photogrammetric field party prior to compilation. These were reported previously. A number of photo-hydro stations were cut in by the hydrographic party on a print of the map manuscript. These additional stations are not shown on the original map manuscript.

39. JUNCTIONS

Satisfactory junctions have been made with T-11167 to the east and T-11144 to the south.

There is no contemporary survey to the north and no details for junction with T-11141 to the west.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

46. COMPARISON WITH EXISTING MAPS.

Comparison has been made with the topographic quadrangle YORK HARBOR, MAINE, scale 1:25,000, edition of 1944. The two were in good agreement.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison has been made with USC&GS Nautical Chart 228, scale 1:20,000 published 1936, bearing a print date of 28 July 1952. No appreciable changes were noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.


W. W. Dawsey,
Carto Photo Aid

APPROVED AND FORWARDED:


Ira R. Rubottom, Chief of Party

48. GEOGRAPHIC NAME LIST.BARRELLS MILL PONDBARTLET ROADBartlett RoadBRAGDON ISLANDBLACK ROCKSCOAST ROADFORT POINTHARRIS ISLANDLOBSTER COVEMAINEMILLBURY LEDGERAMSHEAD POINTROCKS NOSESEWELL BRIDGEST. CHRISTOPHER'S BY THE SEASTATE 103STAGE NECKTRINITY CHURCHU. S. 1AWESTERN POINTYORK HARBOR

(village)

YORK HARBOR ENTRANCEYORK RIVERYORK VILLAGE

Names approved
6-12-55
L. Heck

49. NOTES FOR THE HYDROGRAPHER.

The information required has been submitted previously.

50

PHOTOGRAMMETRIC OFFICE REVIEW

T- 11166

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

CONTROL STATIONS

~~Classification label~~ Unclassified

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 J.G.
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.B. 14. Rocks, shoals, etc. J.G. 15. Bridges J.G. 16. Aids to navigation XX 17. Landmarks XX 18. Other alongshore physical features J.B. 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 J.G. 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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ORIENTED METHODS FOR CHARTS

TO BE CHARTED } STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla. 25 February 1954

I recommend that the following objects which have (~~been~~^{been}) inspected from seaward to determine their value as landmarks be charted on ~~the~~^{the} charts indicated.

The positions given have been checked after listing by

PLYWOOD COMPANY, Limited, N. Y.

T-11111

15

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

M-2836.3

TIDE COMPUTATION

PROJECT NO. Ph. 114 (53) T. 11166

Time and date of exposure -----
 Date of field inspection (EDST) 1330 6/29/53
 Reference station Portland
 Subordinate station Gerrish Island Mt.
 Mean range 8.7
 Ratio of ranges 1.0
 H of H Water -0.2

	Time		Height feet	Height x Ratio of ranges	Time	
	h.	m.			h.	m.
High tide	12	35	8.9	8.7	12	30
Low tide	15	34	0.0	0.0	10	05
Duration of rise or fall	5	59		8.7	12	35

	h.	m.	Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW	feet	Photo. No.
Time H. T. or L. T.	12	35				4.5	
Required time	12	30				8.7	53-J. 380
Interval		05				4.5	
Time H. T. or L. T.							
Required time							
Interval							
Time H. T. or L. T.							
Required time							
Interval							
Time H. T. or L. T.							
Required time							
Interval							
Time H. T. or L. T.							
Required time							
Interval							

Computed by WWS
 Checked by R. M. [Signature]
 M-2617-12

TIDE COMPUTATION

PROJECT NO. Ph- 114 (53) T. 11166

Time and date of exposure

Reference station

Portland

Mean range

8.7

Date of field inspection

(EOST) 6/29/53
1330

Subordinate station

Geerish Island MF

Ratio of ranges

1.0

H of H water -0.2

	Time	
	h.	m.
High tide	12	35
Low tide	18	34
Duration of rise or fall	5	59

	Height feet	Height x Ratio of ranges
High tide	8.9	8.7
Low tide	0.0	0.0
Range of tide		8.7

	Time	
	h.	m.
High tide at Ref. Sta.	12	30
Time difference	10	05
Corrected time at Subordinate station	12	35

	Time	
	h.	m.
Low tide at Ref. Sta.	18	29
Time difference	10	05
Corrected time at Subordinate station	18	34

	h.	m.		feet	Photo. No.
Time H. T. or L. T.	12	35	Ht. H. T. or L. T.	8.7	
Required time	12	30	Tabular correction	0.0	
Interval		05	Stage of tide above MLW	8.7	53-J-380
Time H. T. or L. T.			Ht. H. T. or L. T.		
Required time			Tabular correction		
Interval			Stage of tide above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		
Required time			Tabular correction		
Interval			Stage of tide above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		
Required time			Tabular correction		
Interval			Stage of tide above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		
Required time			Tabular correction		
Interval			Stage of tide above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		
Required time			Tabular correction		
Interval			Stage of tide above MLW		

Computed by

Checked by

M-2617-12

TIDE COMPUTATION

PROJECT NO. Ph-11453T-11166

Time and date of exposure

(205T)

Reference station

Portland

Mean range

8.7

Date of field inspection

1200-6/24/53

Subordinate station

Gerrish Island NF

Ratio of ranges

1.0

H of H Water -0.2

	Time		Height feet	Height x Ratio of ranges	Time		Time Corrected time at Subordinate station
	h.	m.			h.	m.	
High tide	8	49	7.4	7.2	8	44	Low tide at Ref. Sta. 14 36
Low tide	14	41	1.3	1.3	0	05	Time difference 0 05
Duration of rise or fall	5	52		5.9	8	49	Corrected time at Subordinate station 14 41

	h. m.		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	feet	Photo. No.
	h.	m.			
Time H. T. or L. T. Required time Interval	8	49	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	7.2 1.8 5.4	53-J-325
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		(15.4) -8.7 6.7
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		

M-2617-12

Computed by

WWS

Checked by

115

TIDE COMPUTATION

PROJECT NO. Ph-114(53)T-7-1166

Time and date of exposure APRIL 22 1953

Reference station Portland

Subordinate station Cervish Island WHE

Mean range 8.7

Date of field inspection (EDST) 1040 6/29/53

Subordinate station Cervish Island WHE

Ratio of ranges 1.0

	Time	
	h.	m.
High tide	12	35
Low tide	6	26
Duration of rise or fall	6	09

	Height		Height x Ratio of ranges
		feet	
High tide		8.9 ✓	8.9 ✓
Low tide		-1.0 ✓	-1.0 ✓
Range of tide			9.9 ✓

	Time	
	h.	m.
High tide at Ref. Sta.	12	30
Time difference	40	05
Corrected time at Subordinate station	12	35

	Time	
	h.	m.
Low tide at Ref. Sta.	6	21
Time difference	70	05
Corrected time at Subordinate station	6	26

Time H. T. or L. T.	h.	m.	Photo. No.
Required time	12	25	53-J-325
Interval	9	40	
Time H. T. or L. T.	2	55	
Required time			
Interval			
Time H. T. or L. T.			
Required time			
Interval			
Time H. T. or L. T.			
Required time			
Interval			
Time H. T. or L. T.			
Required time			
Interval			

Time H. T. or L. T.	h.	m.	Photo. No.
Required time	12	25	53-J-325
Interval	9	40	
Time H. T. or L. T.	2	55	
Required time			
Interval			
Time H. T. or L. T.			
Required time			
Interval			
Time H. T. or L. T.			
Required time			
Interval			
Time H. T. or L. T.			
Required time			
Interval			

Time H. T. or L. T.	h.	m.	Photo. No.
Required time	12	25	53-J-325
Interval	9	40	
Time H. T. or L. T.	2	55	
Required time			
Interval			
Time H. T. or L. T.			
Required time			
Interval			
Time H. T. or L. T.			
Required time			
Interval			
Time H. T. or L. T.			
Required time			
Interval			

Computed by WWD Checked by APD

Review Report T-11166 & T-11572
Shoreline Map
10 June 1955

61. General:

Manuscript T-11572 was prepared especially for use during hydrography. It contains just the shoreline and photo-hydro points including offshore details.

It covers a portion of the same area as manuscript T-11166 at a scale of 1:5000.

Manuscript T-11572 was reviewed and is in agreement with T-11166.

62. Comparison with Registered Surveys:

T-440	1:10,000	1853	York and Cape Neddick Harbors
T-440a	1:20,000	1911	York Harbor

T-11166 supercedes the older surveys for charting.

63. Comparison with Maps of other Agencies:

USE York Harbor, Maine 1:25,000 1944

Except for contours, T-11166 supersedes the quadrangle for charting purposes.

64. Comparison with Contemporary Hydrographic Surveys:

H-8160	1:10,000	1954	Gerrish Island to Cape Neddick
H-8162	1:5,000	1954	York Harbor

Only the blue-prints of the boat sheets were available for comparison. The shoreline on the boat sheets is that of T-11166. Two small changes were made to the shoreline on T-11166 during review: Barrells Mill Pond, and a wharf ruins by the dike at Stag Neck. Bridge clearances also have been revised.

65. Comparison with Nautical Charts:

228 1:20,000 Sept. 1936, corr. July 1952

The shoreline and planimetry on T-11166 supersedes the charted shoreline and planimetry for the area of T-11166.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

APPROVED BY:

R. C. Lande
Chief, Review Section
Photogrammetry Division

Lee Swanson
Chief, Photogrammetry Division
8 July 1958

Max K. Little
Chief, Nautical Chart Branch
Charts Division

[Signature]
Chief, Coastal Surveys Division