

11149

Diag. Cht. No. 1206.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-114 (53) Office No. T-11149

LOCALITY

State New Hampshire

General locality Hampton Harbor

Locality Seabrook Beach to North Beach

19452-53

CHIEF OF PARTY

E.H.Kirsch, Chief of Field Party

I.R.Rubottom, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE July 31, 1958

B-1670-1 (1)

11149

PRELIMINARY

COMPILATION REPORT T-11149 *

31. DELINEATION.

The shoreline, foreshore details and control have been shown. This was done because the hydrographic party is in urgent need of the manuscript to start its survey. The remainder of the delineation will be completed when the manuscript and data are returned from the field party. The complete compilation report will be written at that time.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection around Hampton Harbor Inlet on field photographs DQW-9K-198 and 199 does not agree with photographs taken 22 April 1953, the same date as appearing on field photographs for bridge and rock data. The shoreline was taken from new photographs where the mean high water was believed to be positively identified by use of the stereoscope.

Small changes in shoreline were made in a number of other places.

Portions of the rock jetties, at the inlet, appear to be under water at high tide. This should be checked in order for them to be shown correctly. The positions of the rock symbols shown offshore are of a necessity approximate and should be used (if at all) with caution. All of the centers of the photographs used to cut in these rocks fall in the water and there are no primary or secondary control points to the seaward to assure a complete fix.

37. LANDMARKS AND AIDS.

Landmarks will be submitted by the hydrographic party as per project instructions. Form 567 is being submitted herewith for nonfloating aids.

** Advance compilation using control identification and field notation from a prior mapping project so as to provide shoreline for hydrography too also final compilation report on page 8*

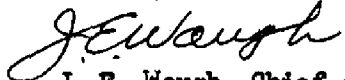
38. CONTROL FOR FUTURE SURVEYS.

One (1) recoverable topographic station has been submitted on Form 524 and listed under Item 49. *Hampton Beach Water Tank 1953*

Ten (10) photo-hydro stations with descriptions have also been listed under Item 49.


Robert R. Wagner
Carto Photo Aid

APPROVED AND FORWARDED


J. E. Waugh, Chief of Party

49. NOTES FOR THE HYDROGRAPHER.

TOPOGRAPHIC STATION.

HAMPTON BEACH WATER TANK, 1953.

PHOTO-HYDRO STATIONS.

- ~~* 4901 - Intersection of concrete bulkhead and groin~~
- Gus* 4902 - Southeast corner of concrete bulkhead
- son* 4903 - Cupola on hotel at Hampton Beach
- Zag* 4904 - Chimney center of small building
- Nic* 4905 - Westerly gable of fish house
- Ten* 4906 - Southwest corner of bridge tenders house
- Pic* 4907 - Northeast corner of fixed pier
- no name* 4908 - North end of highest and farthest inshore rock outcrop
- Wes* 4909 - Chimney at north gable of most westerly house
- no name* 4910 - Northeast corner of duck blind

~~* Station could not be found identified on field photographs and the brief description was inadequate for office identification.~~

** Station was not needed*

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Tampa Photogrammetric Office, Tampa, Fla. 15 June 1953

I recommend that the following objects which have ~~(not been)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by

Robert H. Warner, Carlo Photo Aid

J. B. Wanda

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and aids to navigation, if redetermined shall be reported on this form. The data should be considered for *nonfloating*

50

PRELIMINARY
PHOTOGRAMMETRIC OFFICE REVIEW

T- 11149

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 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.G. 14. Rocks, shoals, etc. J.G. 15. Bridges J.G. 16. Aids to navigation J.G. 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 XXX

CULTURAL FEATURES

27. Roads XX 28. Buildings XX 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 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

DATA RECORD

T - 11149

Project No. (II): **Ph-114 (53) β** 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 (II) (**): **13 March 1953**

Copy filed in Division of
Photogrammetry (IV)

Supplement No. 1 - **28th March 1953**

" No. 2 - **30 April 1953**

" No. 3 - **6 May 1953**

" No. 4 - **26 May 1953**

" No. 5 - **25 June 1953**

(III) - **20 February 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): **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): **ENTRANCE, 1928[✓]**

Lat.: **42°53'32"680 (1008.4m.)** Long.: **70°48'45"526 (1033.0m.)**

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.

DATE 5 May 1953
CHECKED BY: I. I. Saperstein
DATE 7 May 1953

INAPPLICABLE

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

DATA RECORD

Field Inspection by (II): J. C. Lajoie
H. R. Spies
L. F. Beugnet
Date: March 1953
to
October 1953

Planetable contouring by (II): Inapplicable
Date:

Completion Surveys by (II):
Date:

Mean High Water Location (III) (State date and method of location): April 1953
Air photo compilation

Projection and Grids ruled by (IV): S. Rose (W.O.)
Date: 15 February 1953

Projection and Grids checked by (IV): H. D. Wolfe (W.O.)
Date: 17 February 1953

Control plotted by (III): R. J. Pate
Date: 12 May 1953

Control checked by (III): I. I. Saperstein
Date: 12 May 1953

Radial Plot ~~or Stereoscopic~~
Control ~~extension~~ by (III): M. M. Slavney
Date: 5 June 1953

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

Manuscript delineated by (III): R. R. Wagner
Date: 29 December 1953

Photogrammetric Office Review by (III): J. A. Giles
Date: 18 January 1954

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

Camera (kind or source) (III):

Robinson Aerial Surveys Inc. - DPP
 Mark Hurd Mapping Company - DQW
 Fairchild K-17 6" Metrogon Lens - Camera J

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
DQW-9K-162&163	2 July 1952	*	1:10,000	± 1.7
DQW-9K-196 to 199 incl.	"	*	"	
DPP-14K-87	20 Oct. 1952	11:11	"	8.3
DPP-14K-88	"	*	"	
DPP-9K-98	26 Aug. 1952	12:34	"	5.7
DPP-9K-99	"	*	"	
53-J-291	22 Apr. 1953	0915	"	4.2
53-J-292	"	0916	"	4.2
53-J-293	"	0917	"	4.2
53-J-294	"	0918	"	4.2

Tide (III)
 computed from predicted tide tables

Reference Station: PORTLAND
 Subordinate Station: HAMPTON HARBOR
 Subordinate Station:

MHW	Ratio of Ranges	Mean Range	Spring Range
	-	8.9	10.2
8.30	0.9	8.3	9.6

+ 0.25

Washington Office Review by (IV):

Date:

Final Drafting by (IV): P. C. LACH

Date:

Drafting verified for reproduction by (IV): *W. H. Hallum*

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 9

Shoreline (More than 200 meters to opposite shore) (III): 48

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

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 14

Recovered: 6

Identified: 4

Number of BMs searched for (II): 5

Recovered: 5

Identified: 1

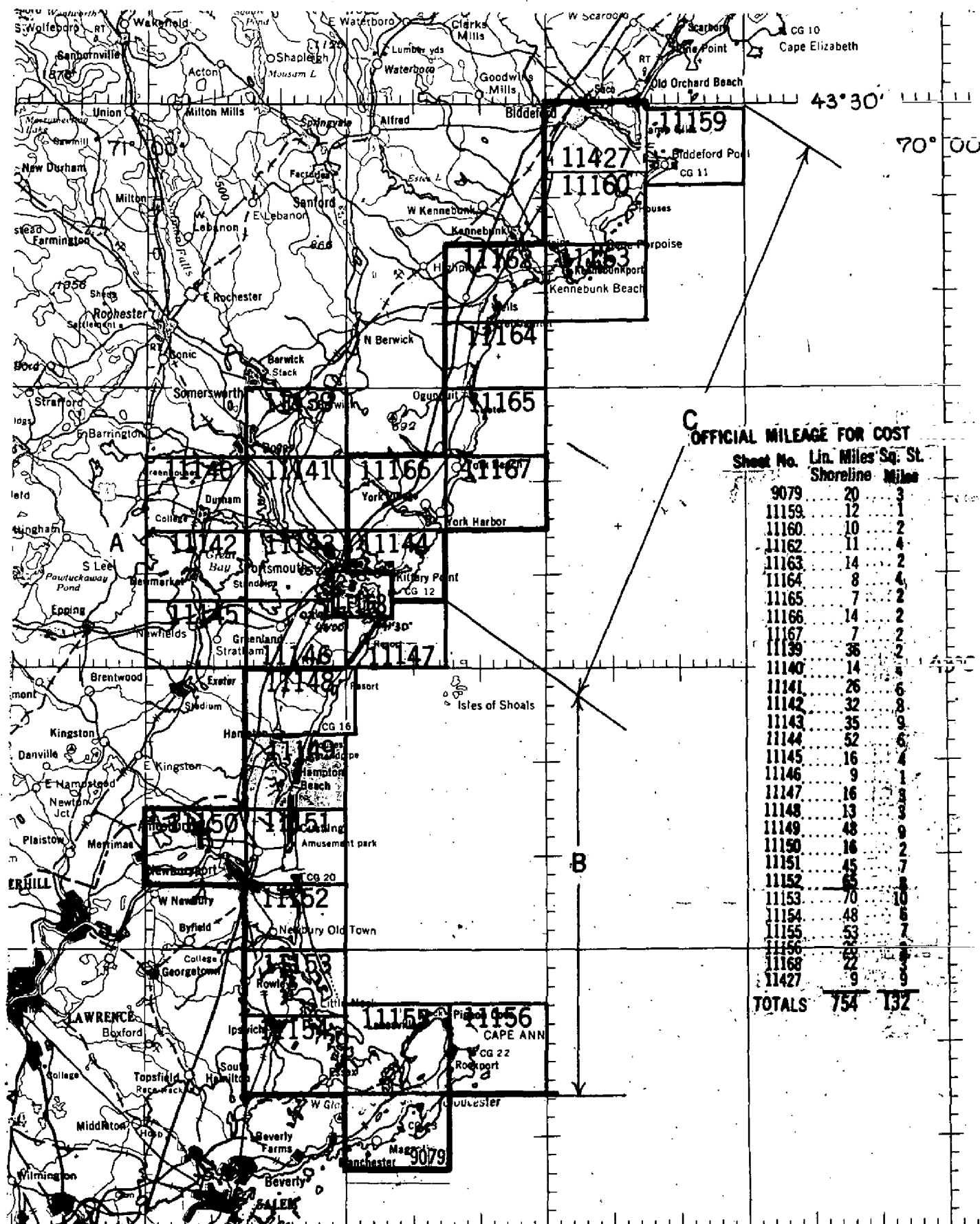
Number of Recoverable Photo Stations established (III): 1

Number of Temporary Photo Hydro Stations established (III): 26

Remarks:

*Time of photographs not available in this office.

BIDDEFORD POOL, MAINE TO CAPE ANN, MASS.



Summary to Accompany T-11149

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 ~~short~~ ^{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 FOR PH-114 (53) *(1953 fold envelope)*
HAS BEEN SUBMITTED SEPARATELY.

* *Is filed as a part of Report T11148.*

final COMPILATION REPORT T-11149

PHOTOGRAMMETRIC PLOT REPORT.

* This report has been submitted separately.

* *Is filed as a part of Report T11147*

31. DELINEATION.

Reference Item 31 of Preliminary Compilation Report.

The graphic method was used.

The photographs of the "DQW" and "DPP" series were of good scale, while the photographs of the "J" series were of very poor scale. Photographs 53-J-291 to 53-J-294 were of poor quality for photographic interpretation.

The turning points, along that part of the power transmission line shown, were determined by the compiler after a stereoscopic examination of the photographs. The direction of the line could not be determined east of TIDE MILL CREEK.

Wherever the field inspection did not agree with the 1953 photography, the field inspection has been disregarded since it was done using photographs taken in 1952. *this refers to 1953 field inspection*

32. CONTROL.

The control identification was good. The density and placement of the pass points was such that detail points were cut in with little difficulty.

33. SUPPLEMENTAL DATA.

None used.

34. CONTOURS AND DRAINAGE.

Contours are inapplicable.

No difficulties were encountered in delineation of drainage.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection was adequate.

The low-water line and limits of rock ledges were furnished by the field inspector. Any differences in shoreline between the map manuscript and the preliminary photogrammetric survey are shown in red ink. *see page 17 of review.*

36. OFFSHORE DETAILS.

No statement.

37. LANDMARKS AND AIDS.

Reference Item 37 of Preliminary Compilation Report.

38. CONTROL FOR FUTURE SURVEYS.

Reference Item 38 of Preliminary Compilation Report.

Seventeen (17) additional photo-hydro stations with short descriptions have been listed under Item 49. These stations were cut in radially in the field. Stations OWN, PAT, KEN and GAT were relocated in the compilation office. The old positions of these stations were circled in green ink on the back of the manuscript.

(pat? Bat)

39. JUNCTIONS.

Junction was made to the south with T-11151 and to the north with T-11148.

There is no contemporary survey on the west. The Atlantic Ocean is on the east.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with U. S. Corps of Engineers Hampton N. H. quadrangle, scale 1:25,000, dated 1944. The two are in fair agreement except as follows:

The telephone line that runs across Hampton State Park on the map was not recovered by the field inspector.

Halftide Rock at the mouth of Browns River and Lower Gills Rock in Blackwater River were not recovered by the field inspector.

47. COMPARISON WITH NAUTICAL CHARTS.

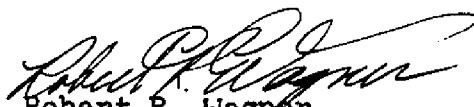
Comparison was made with USC&GS Nautical Chart No. 1206, scale 1:80,000, corrected to 14 July 1952. The two are in fair agreement. The shoreline around Hampton Harbor Inlet has undergone a change.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

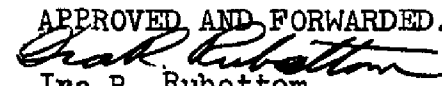
None.

ITEMS TO BE CARRIED FORWARD.

None.


Robert R. Wagner
Carto Photo Aid

APPROVED AND FORWARDED.


Ira R. Rubottom,
Chief of Party

48. GEOGRAPHIC NAME LIST

All names shown are Base Map Names. No additions or deletions were submitted by the field inspector.

The name MILE LONG BRIDGE was not shown on the manuscript since a new bridge appears to have been built.

HALFTIDE ROCK and LOWER GILLS ROCK were not shown since they were not recovered by the field inspector.

<u>ATLANTIC OCEAN</u>	<u>LAFAYETTE ROAD</u>
<u>BECKMANS ISLAND</u>	<u>LANDING BROOK</u>
<u>BECKMANS POINT</u>	<u>LANDING ROAD</u>
<u>BLACKWATER RIVER</u>	<u>LOCKE POINT</u>
<u>BLIND CREEK</u>	<u>MASSACHUSETTS</u>
<u>BOSTON AND MAINE RAILROAD</u>	<u>MEADOW POND</u>
<u>BRIMERS LANE</u>	<u>MILLS CREEK</u>
<u>BROWNS RIVER</u>	<u>MILLS POINT</u>
<u>CAUSEWAY ROAD</u>	<u>NEW HAMPSHIRE</u>
<u>COMMONS ISLAND</u>	<u>NORTH BEACH</u>
<u>DEPOT AVENUE</u>	<u>NUDDS CANAL</u>
<u>EASTMAN POINT</u>	<u>RIVERSIDE</u>
<u>EASTMAN SLOUGH</u>	<u>ROCKS ROAD</u>
<u>FARM BROOK</u>	<u>ROBBINS POINT</u>
<u>FARM DOCK</u>	<u>SEABROOK BEACH</u>
<u>GREAT BOARS HEAD</u>	<u>STATE 1A</u>
<u>HAMPTON BEACH</u>	<u>STATE 101E</u>
<u>HAMPTON DISPOSAL PLANT</u>	<u>TAYLOR RIVER</u>
<u>HAMPTON FALLS RIVER</u>	<u>THE PLANTATION</u>
<u>HAMPTON FALLS STATION</u>	<u>THE ROCKS</u>
<u>HAMPTON FLATS</u>	<u>THE SANDS</u>
<u>HAMPTON HARBOR</u>	<u>THE WILLOWS</u>
<u>HAMPTON HARBOR INLET</u>	<u>THOMAS ROCK</u>
<u>HAMPTON LANDING</u>	<u>TIDE MILL CREEK</u>
<u>HAMPTON LODGE — ?</u>	<u>TIDE MILL ROAD</u>
<u>HAMPTON RIVER</u>	<u>U S 1</u>
<u>HAMPTON STATE PARK</u>	<u>WALTON LANDING</u>
<u>HUNTS ISLAND</u>	<u>WALTON ROAD</u>
<u>HUNTS ISLAND CREEK</u>	<u>WINNICONIC ROAD</u>
<u>KENNEY BROOK</u>	
<u>KNOWLES ISLAND</u>	

Names approved
9-27-54
L. HECK

49. NOTES FOR THE HYDROGRAPHER.

The following are additional stations established by the east coast field party.

GRA - Cupola
RED - Chimney, white house, yellow shutters
SOX No Name - South gable, red house, green shutters
CAP - East gable, low cream-colored, stucco house
ALE - East gable, white house, blue roof trim
GAB - West gable, apartment house, green trim
(EGG) OWN - Chimney, center brown house, green trim
MUD No Name - East gable, white stucco house, black roof
POT - No description.
BUN - West gable, dark brown bungalow
No Name - Southeast gable, Regis Hotel
REB - Center small gable, Hotel Allen
KEN - East gable, Kentville Hotel
HUD - East gable, St. Green Hotel
SID - Chimney, white house, red roof
SHA - Center of shack
GAT - South gable, red and white house.

B

TIDE COMPUTATION

PROJECT NO. Ph- 114B(53) T-11149

Time and date of exposure 1111 10/20/52 Reference station PORTLAND Mean range 8.3

Date of field inspection Subordinate station HAMPTON HARBOR Ratio of ranges 0.9

	Time		Height feet	Height x Ratio of ranges	Time h. m.
	h.	m.			
High tide	11	58	9.5	8.6	11 33
Low tide	5	49	0.5	0.4	+ 25
Duration of rise or fall	6 09		8.2		11 58

	Range of tide	Height feet	Height x Ratio of ranges	Time	
				h.	m.
High tide	Range of tide	9.5	8.6	11	33
Low tide		0.5	0.4	+ 25	
Corrected time at Subordinate station				11	58

	Corrected time at Subordinate station <th colspan="2">Time</th>	Time	
		h.	m.
Low tide at Ref. Sta.	Corrected time at Subordinate station	5	24
Time difference		+ 25	
Corrected time at Subordinate station		5	49

	h. m.		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	feet	feet	Photo. No.
	h.	m.				
Time H. T. or L. T. Required time Interval	11	58	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	8.6 .3 8.3	Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW	

M-2617-12

Computed by R. R. Wagner Checked by W. W. Dawsey

TIDE COMPUTATION

PROJECT NO. Ph. 114B(53) T-11149

Time and date of exposure 0917 4/22/53 Reference station PORTLAND Mean range 8.3
 Date of field inspection Subordinate station HAMPTON HARBOR Ratio of ranges 0.9

	Time		Height feet	Height x Ratio of ranges		Time	
	h.	m.				h.	m.
High tide	6	19	7.9	7.1	High tide at Ref. Sta.	5	54
Low tide	12	48	0.8	0.7	Time difference	+ 25	
Duration of rise or fall	6	29		6.4	Corrected time at Subordinate station	6	19
					Corrected time at Subordinate station	12	48

	h.	m.			feet		feet	Photo. No.
Time H. T. or L. T. Required time Interval	6	19	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		7.1 2.9 4.2	Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		9 17 2 58	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW			Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW			Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW			Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW			Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW			Feature bares Stage of tide above MLW Feature above MLW		

TIDE COMPUTATION

PROJECT NO. Ph. 114 (53) T-11149

Time and date of exposure 1234 8/26/52 Reference station PORTLAND Mean range 8.3
 Date of field inspection _____ Subordinate station HAMPTON HARBOR Ratio of ranges 0.9

	Time		Height feet	Height x Ratio of ranges	Time	
	h.	m.			h.	m.
High tide	14	30	8.8	7.9	14	30
Low tide	8	16	0.9	0.8	+	25
Duration of rise or fall	6	14	Range of tide		14	55
				7.1		

	Time	
	h.	m.
High tide at Ref. Sta.	14	30
Time difference	+	25
Corrected time at Subordinate station	14	55

	Time	
	h.	m.
Low tide at Ref. Sta.	8	16
Time difference	+	25
Corrected time at Subordinate station	8	41

	h.	m.		feet		feet	Photo. No.
Time H. T. or L. T.	14	55	Ht. H. T. or L. T.	7.9	Feature bares		DPP-9K-98
Required time	12	34	Tabular correction	2.2	Stage of tide above MLW		
Interval	2	21	Stage of tide above MLW	5.7	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		

TIDE COMPUTATION

PROJECT NO. Ph-1114 (53) T-111149

Time and date of exposure 7/2/52 Reference station PORTLAND Mean range 8.3
 Date of field inspection 4/22/53 Subordinate station HAMPTON HARBOR Ratio of ranges 0.9

	Time		Height feet	Height x Ratio of ranges	Range of tide
	h.	m.			
High tide	5	54	7.9	7.1	6.4
Low tide	12	23	0.8	0.7	
Duration of rise or fall	6	29			

	Time	
	h.	m.
High tide at Ref. Sta.	5	54
Time difference		+ 25
Corrected time at Subordinate station	6	19

	Time	
	h.	m.
Low tide at Ref. Sta.	12	23
Time difference		+ 25
Corrected time at Subordinate station	12	48

	h.	m.		feet		feet	Photo. No.
Time H. T. or L. T.	12	48	Ht. H. T. or L. T.	0.7	Bridge	26.4	DQW-9K-198
Required time	10	45	Tabular correction	1.5	Feature bares	4.9	
Interval	2	03	Stage of tide above MLW	2.2	Stage of tide above MLW MHW	21.5	
Time H. T. or L. T.	12	48	Ht. H. T. or L. T.	0.7	Feature bares RK	1.0	DQW-9K-198
Required time	10	45	Tabular correction	1.5	Stage of tide above MLW	2.2	
Interval	2	03	Stage of tide above MLW	2.2	Feature above MLW	3.2	
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		6
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 R. R. WagnerChecked by R. E. Smith Jr.

5

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T. 11149

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 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

T-11149

After the map manuscript was completed the boat sheets were made available to this office and the low-water line was transferred in blue pencil. It was not possible to fill in the gaps of the low-water line left by the hydrographer as the line shown does not conform with any discernible tone or line on the photographs. The low-water line as furnished by the field inspector, shown in black ink and that by the hydrographer, shown in blue pencil, are being retained on the manuscript for possible use of the processing office.

William A. Rasure
William A. Rasure

REVIEW REPORT T-11149
Shoreline Map
27 September 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 were 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. ** These corrections have been applied to the Maps.*

62. Comparison with Registered Surveys:

T-835	1:10,000	1855	
T-1023	1:10,000	1866	Great Boars Head to Rye Harbor
T-4424	1:10,000	1928	Hampton Harbor

T-1149 supersedes the older surveys for charting purposes because of

shoreline changes due to erosion,
new jetties at Hampton Inlet,
urban developments,
the new highway bridge.

63. Comparison with Maps of Other Agencies:

USE Hampton, N.H. 1:24,000 1944 (from 1943 photos)

The shoreline is in general agreement but there is much change in the urban area at Hampton Inlet.

64. Comparison with Contemporary Hydrographic Surveys:

H-8097 1:10,000 1953 Hampton Harbor

* * This survey was not available. The MLWL and the rocks on the "Advance Print" (with stick-up attached) of T-11149 are in approximate positions. These features in their final positions are to be charted from H-8097 (ECFP-1353). ** * This comparison has now been made and there are no conflicts. 6-25-54 J.E.L.*

Photographs DQW-9K-196 & 197, from Great Boars Head northward along North Beach suggest that rocks and rock

ledges fringe the outer beach, but no field notes locate them. The hydrographic survey will cover this area.

65. Comparison with Nautical Charts:

1206 1:80,000 Oct. 1948, cor. Mar. 1954

T-11149 supersedes the chart for MHWL and culture in their common areas. H-8097 provides the MLWL, rocks, and ledges in their true positions and extent.

66. Accuracy:

The radial plot report was not available so that the strength of the plot is not known to the reviewer.

The field inspection notes were faithfully followed and the delineation is well executed so that the shore-line meets charting needs.

67. Bridges:

The clearance for the bascule high^{way} bridge at Hampton River entrance (built since 1946) is not given on chart 1206; and field inspection data differ from USE Bridge List data.

<u>Bridge List</u>		<u>Field Inspection</u> (10:45 EST (22 Apr. 1953))
Horiz. Cl.	40.0 ft.	Horiz. Cl. 50.0 ft.
Vert. El.	27.1 ft. (MLW)	Vert. El. 28.7 ft. (MLW)
Vert. Cl.	18.8 ft. (MHW)	Vert. Cl. 20.4 ft. (MHW)

Reviewed by:

Lena T. Stevens
Lena T. Stevens

Approved by:

R. C. Lander
Chief, Review Section

W. E. Swanson
Chief, Division of Photogrammetry

25 July 1958

W. E. Swanson
Chief, Div. Nautical Charts

W. E. Swanson
Chief, Division of
Coastal Surveys

SURVEY NO. F. 11149

Record of Application to Charts

3 Mar

M-2168-1

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.