11165

Diag. Cht. No. 1205.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-11h *Office No.* T-11165

LOCALITY

State Maine

General locality Gulf of Maine

Locality Ogunquit to Cape Neddick River

1953

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)

11165

DATA RECORD

T - 11165

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

Field Office (II): Photo Party No. 1 & 2 Chief of Party: E. H. Kirsch

Photogrammetric Office (III): Tampa, Florida Officer-in-Charge: I. R. Rubottom

Instructions dated (II) (III): 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

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): 5-31-55 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 4/8/55 APR - 7 1955

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): BALD HEAD CLIFF 152, 1941

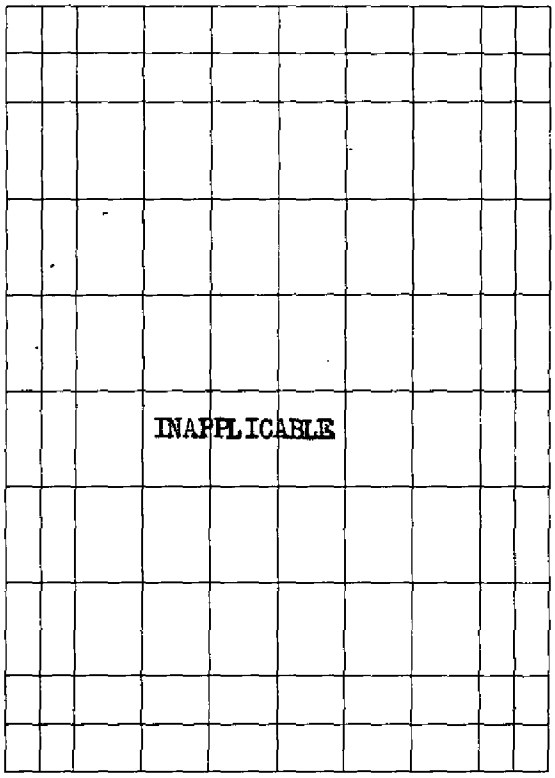
Lat.: 43° 13' 14.814" (457.2m.) Long.: 70° 34' 37.529" (847.0 m.) Adjusted ~~Unadjusted~~

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.



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: 14 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~~ Control ~~extension~~ by (III): M. M. Slavney — Date: 19 Oct. 1953

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

Manuscript delineated by (III): R. E. Smith — Date: Jan. 1955

Photogrammetric Office Review by (III): J. A. Giles — Date: 3 Feb. 1955

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

M-2618-12(4)

Camera (kind or source) (III): Fairchild K-17-6" Metrogon Lens, USC&GS

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
53-J-329 to	22 Apr. 1953	1101 to	1:10,000	2.9
53-J-333 incl	"	1105 incl	"	"
53-J-373 to	"	1044 to	"	"
53-J-376 incl	"	1046 incl	"	"
53-J-386 to	"	1052 to	"	"
53-J-387 incl	"	1053 incl	"	"
53-J-390	"	1055	"	"
53-J-152 to	14 Apr. 1953		"	Lowwater photography
53-J-161	"			

Tide (III)

From predicted tides

Reference Station: PORTLAND MAINE
Subordinate Station: CAPE PORPOISE
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
-	8.9	10.2
1.0	8.7	9.9

Washington Office Review by (IV): Lina T. Stevens Date: 17 June 1955

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): 7

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 6 Recovered: 6 Identified: 4

Number of BMs searched for (II): 0 Recovered: 0 Identified: 0

Number of Recoverable Photo Stations established (III): 0

Number of Temporary Photo Hydro Stations established (III): 21

Remarks:

Reference Item 38

Summary to Accompany
Shoreline Map T-11165

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 this surveying was accomplished in the summer of 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.

A CRONAR PRINT WILL BE REGISTERED FOR THE FILES.

* THE FIELD INSPECTION REPORT IS BEING SUBMITTED AS A SEPARATE REPORT.

* This report is filed as a part of T11148

COMPILATION REPORT T-11165

*The photogrammetric plot report is submitted as a separate report. * Filed as a part of Report T11144

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 single-lens ratio prints were of fair scale. The contact prints were of very poor scale.

The field inspection was adequate.

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 delineated according to the field inspector's notes and photographic interpretation. The low-water line was delineated from the contact photographs, which were taken at approximate low-water. The projector was used because of the poor scale.

36. OFFSHORE DETAILS.

No unusual problems were encountered.

37. LANDMARKS AND AIDS.

All landmarks are to be reported by the hydrographic party. There are no aids to navigation. One aeronautical aid is submitted with this report.

38. CONTROL FOR FUTURE SURVEYS.

No permanently marked topographic stations were established.

Twenty-one (21) 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 have not been shown on the original map manuscript.

39. JUNCTIONS.

Satisfactory junctions have been made with T-11167 to the south and T-11164 to the north.

There are no contemporaneous surveys to the east and west.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

46. COMPARISON WITH EXISTING MAPS.

Comparison has been made with topographic quadrangle YORK BEACH MAINE, scale 1:25,000, edition of 1944, reprinted 1949.

The two are in fair agreement. However, the area marked BALD HEAD CLIFF on the nautical chart is called BAID HEAD CLIFF on the topographic quadrangle. BALD HEAD CLIFF is believed to be correct.

47. COMPARISON WITH EXISTING MAPS.

Comparison has been made with USC&GS Nautical Chart No. 1205, scale 1:80,000, published June 1950 (8th edition) bearing a print date of 28 July 1952.

The two are in fair agreement.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Rexford E. Smith, Jr.
Carto Photo Aid

APPROVED AND FORWARDED

Ira R. Rubottom, Chief of Party

48. GEOGRAPHIC NAME LIST.

BALD HEAD
BALD HEAD CLIFF

CAPE NEDDICK (village)
CAPE NEDDICK RIVER
COAST ROAD

GULF OF MAINE

HIGH PASTURE

ISRAELS HEAD

LOCUST GROVE CEMETERY

MAINE

OGUNQUIT
* ~~OGUNQUIT~~ COUNTRY CLUB
CLIFF

PASSACONWAY POND
PERKINS COVE
PHILLIPS POND
PINE HILL
POND ROCKS

STAPLES POND
ST. PETERS CHURCH
SUMMIT POND

WALNUT HILL

YORK CLIFFS
YORK CLIFFS (COMMUNITY)

Josias River (into Perkins Cove)

Ogunquit River

Names approved
6-17-55. L. Heck

* Shown as OGUNQUIT COUNTRY CLUB on YORK BEACH, Quad.
W.E.R.

49. NOTES FOR THE HYDROGRAPHER.

The information required under this paragraph has already been submitted.

Form 567
April 1945

PHOTOGRAMMETRIC REVIEW BRANCH

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR AERONAUTICAL CHARTS

TO BE CHARTED
~~RECHARTED~~ } STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla. 8 March, 1955

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

The positions given have been checked after listing by Rexford B. Smith, Jr.

Ira H. Hibbottom *Chief of Party.*

STATE MAINE

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
AERO	AERO BEACON		43 13	18.916 583.7	70 36	40.088 904.7	N.A. 1927	Triang	1941				~~CHC. BOSTON~~ MAC 262

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloatin*

Form T-2

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 11165

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

4a. Classification label Unclassified

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 XX 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 J.G. 17. Landmarks XX 18. Other alongshore physical features J.G. 19. Other alongshore 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 — Reviewer; William A. Rasure — 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

TIDE CO[illegible]UTATION

PROJECT NO. Ph- 114(1)T. 11165

Time and date of exposure 1004 Apr 22, 1953 Reference station PORTLAND MAINE Mean range 8.7 ✓

Date of field inspection July 1953 Subordinate station CAPE PORPOISE Ratio of ranges 1.0 ✓
S.R. 9.9.

	Time h.	Time m.
High tide	5	54 ✓
Low tide	12	23 ✓
Duration of rise or fall	6	29 ✓

	Height feet	Height x Ratio of ranges
High tide	7.9 -0.2	7.7 ✓
Low tide	0.8	0.8 ✓
Range of tide		6.9 ✓

	Time h.	Time m.
High tide at Ref. Sta.	5	54 ✓
Time difference	0	00
Corrected time at Subordinate station	5	54 ✓

	Time h.	Time m.
Low tide at Ref. Sta.	12	22 ✓
Time difference	0	00
Corrected time at Subordinate station	12	23 ✓

	h. m.		feet		feet	Photo. No.
Time ~~H. T. or~~ L. T. Required time Interval	12 23 ✓ 10 04 2 19 ✓	Ht. ~~H. T. or~~ L. T. Tabular correction Stage of tide above MLW	0.8 ✓ 2.1 ✓ 2.9 ✓	Feature bares Stage of tide above MLW Feature above MLW		53-J-332
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.E. Smith Checked by [illegible]

TIDE COMPUTATION

PROJECT NO. Ph-114(C) T-11165

Time and date of exposure 1345 7-10-53 | Reference station PORTLAND, ME. | Mean range 8.9 (10.2)

Date of field inspection 7-10-53 | Subordinate station CAPE PORPOISE, ME 8.8 | Ratio of ranges 1.0

	Time h.	m.
High tide	10	28
Low tide	16	22
Duration of rise or fall	5	54

	Height feet	Height x Ratio of ranges
High tide	8.3	8.1
Low tide	0.7	0.7
Range of tide		7.4

	Time h.	m.
High tide at Ref. Sta.	10	28
Time difference	0	00
Corrected time at Subordinate station	10	28

	Time h.	m.
Low tide at Ref. Sta.	16	22
Time difference	0	00
Corrected time at Subordinate station	16	22

	h. m.		feet		feet	Photo. No.
Time H. T. ~~or L. T.~~	10 28	Ht. H. T. ~~or L. T.~~	8.1	Feature bares Rock	1.0	53-J-153 4
Required time	12 45	Tabular correction	2.2	Stage of tide above MLW	5.9	
Interval	2 17	Stage of tide above MLW	5.9	Feature above MLW	6.9	
Time H. T. ~~or L. T.~~	10 28	Ht. H. T. ~~or L. T.~~	8.1	Feature bares Ledge	14.6	53-J-328
Required time	9 00	Tabular correction	1.0	Stage of tide above MLW	7.1	
Interval	1 28	Stage of tide above MLW	7.1	Feature above MLW	21.7 (12.9)	
Time H. T. ~~or L. T.~~	10 28	Ht. H. T. ~~or L. T.~~	8.1	Feature bares Rocks	11.5	53-J-329
Required time	9 50	Tabular correction	0.2	Stage of tide above MLW	7.9	
Interval	38	Stage of tide above MLW	7.9	Feature above MLW	19.4 (10.5)	
Time H. T. or L. T.	7-20-53	Ht. H. T. or L. T.		Feature bares Rocks	-1.0	✓
Required time		Tabular correction		Stage of tide above MLW	7.9	
Interval		Stage of tide above MLW		Feature above MLW MHW	6.9	
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 [signature] Checked by R. A. Keeca

Project No PH 114(C) T-11165

Time & date of exposure ____ Ref. Sta. Portland ME Mean Range 8.7

Date of field inspection 7-17-53 (1130 EDST) Sub. Station Cape Porpoise ME Ratio of range 1.0

	Time h m
H. T.	15 16
L. T.	8 59
Duration of rise or fall	6 17

	Height Feet	Height x Ratio of range
H. T	8.3	8.1
L. T.	0.7	0.7
Range of tide		7.4

	Time h m
H. T. at Ref. Sta	15 16
Time Diff.	0 00
Corrected Time at Sub. Stat.	15 16

	Time h m
L. T. at Ref. Sta	8 59
Time diff.	0 00
Corrected Time at Sub. Stat.	8 59

	h. M.		Feet		feet	Photo No.
Time ~~H.T.~~ or L.T.	8.59	HL ~~H.T.~~ or L.T.	0.7	Feature bares	24.0	53-J-332
Reg. Time Interval	10 30	tabular corr.	1.0	Stage of Tide above MLW	1.7	
	1.31	Stage of tide above MLW	+.4	Feature above M.H.W.	25.7	
			1.7	Feature above M.H.W.	17.0	

10 30
8 59
1 31

.0

computed by R. E. Smith checked by J. J.

Review Report
Shoreline Map T-11165
17 June 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."

The 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 serve as the final map manuscripts.

62. Comparison with Registered Surveys:

T-440	1:10,000	1853	York and Cape Neddick Harbors
T-459	1:10,000	1854	Cape Neddick and Ogunquit

Except for contours and bluff symbol, T-11165 supersedes the older surveys for charting purposes.

63. Comparison with Maps of Other Agencies:

USE York Beach, Me., 1:25,000 1949

Except for contours, T-11165 supersedes the quadrangle for charting.

64. Comparison with Contemporary Hydrographic Surveys:

H-8161 1:10,000 1954 Cape Neddick to Perkins Cove

Only the blue-print (BP 52153) of the boat sheet was available. The shoreline is that of T-11165. It was not altered during review. The northern limit of H-8161 lies just north of Perkins Cove and so does not include the whole of T-11165. Hydrography between Perkins Cove and Porpoise Harbor is being done during the current season.

65. Comparison with Nautical Charts:

1205 1:80,000 June 1950, corr. Oct. 1954

The chart ~~also~~ indicates that Cape Neddick River is closed at low water by a ~~building~~ ledge. T-11165 delineates a channel as indicated on the same photograph.

Elevations for Pond Rocks differ with the chart.

The two charted landmarks, Cupola and Standpipe, appear on T-11165 as triangulation stations.

A charted rock on the sand beach at the entrance to Ogonquit River is not mapped, though the low-water photograph (53-J-160) suggests that there may be a line of rocks here. They will be located by the hydrographer.

66. Accuracy:

This map complies with project instructions and meets the National Standards of Accuracy.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

APPROVED BY:

L C Lands
Chief, Review Section
Photogrammetry Division

Max Hecklett
Chief, Nautical Chart Branch
Charts Division

Lee Swanson
Chief, Photogrammetry Division
18 Aug 1958

Chief, Coastal Surveys Division