

11178

Diag. Cht. No. 1208-2.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No. 6116	Office No. T-11178
LOCALITY	
State	MASSACHUSETTS
General locality	CAPE COD BAY
Locality	WARREN COVE & ROCKY POINT
1951 - 1953	
CHIEF OF PARTY	
E. H. Kirsch, Chief of Party	
E. H. Kirsch, Baltimore District Office	
LIBRARY & ARCHIVES	
DATE	January 2, 1966

COMM-DC 61300

11178

# DATA RECORD

①

T-11178

Project No. (II): **Ph-116**

Quadrangle Name (IV):

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

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

Photogrammetric Office (III): **Baltimore, Maryland**

Officer-in-Charge: **E. H. Kirsch**

Instructions dated (II) (III): **30 April 1953**

**9 June 1953**

**9 July 1953**

**11 August 1953**

**28 August 1953**

**12 February 1954 (office)**

Copy filed in Division of  
Photogrammetry (IV)

Method of Compilation (III): **Graphic**

Manuscript Scale (III): **1:10,000**

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): **1.000**

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): **MHW**

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): **MANOMET, 1835**

Lat.: **41° 55' 38.112" (1175.9m)** Long.: **70° 35' 28.212" (650.0m)**

Adjusted  
~~Unadjusted~~

Plane Coordinates (IV):

State: **Mass.**

Zone: **Mainland**

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.

(2)


SHORELINE

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

DESCRIPTIVE REPORT - DATA RECORD

(3)

Field Inspection by (II): **E. T. Ogilby**

Date: **August 1953**

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): **21 Aug. 1953 - Field Inspection**

Projection and Grids ruled by (IV): **A. Riley**

Date: **11/4/53**

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

Date: **11/4/53**

Control plotted by (III): **J. King**

Date: **3/10/54**

Control checked by (III): **A. Queen**

Date: **3/16/54**

Radial Plot or Stereoscopic

Control extension by (III): **L. A. Senasack**

Date: **3/29/54**

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): **J. Honick**  
**C. A. Lipscomb**

Date: **8/3/55**

Photogrammetric Office Review by (III): **R. Glaser**

Date: **8/24/55**

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

4

Camera (kind or source) (III): Production and Marketing Administration, single lens and U.S.C. & G. S. single lens Camera "J".

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
DPT-2K-185	10/22/51	1250	1:10,000	4.6
DPT-2K-187	10/22/51	1250	"	4.6
53-J-605 & 606	5/9/53	1400	"	-0.4
53-J-610	5/9/53	1406	"	-0.3
53-J-661	5/9/53	1429	"	0.1
53-J-662	5/9/53	1430	"	0.1
7K80 & 81	10/12/52	1220	"	2.0

Tide (III)

Reference Station: Boston  
Subordinate Station:  
Subordinate Station: Gurnet Pt.

Ratio of Ranges	Mean Range	Spring Range
	9.5	11.0
1.0	9.2	10.7

Washington Office Review by (IV): S.G. Blankenbaker

Date: May 1965

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): 3.5 mi.

Shoreline (Less than 200 meters to opposite shore) (III): 0.4 mi

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 4 Recovered: 2

Identified: 2

Number of BMs searched for (II): none Recovered:

Identified:

Number of Recoverable Photo Stations established (III): none

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

Remarks:

## SHORELINE MAPPING PROJECT PH-116

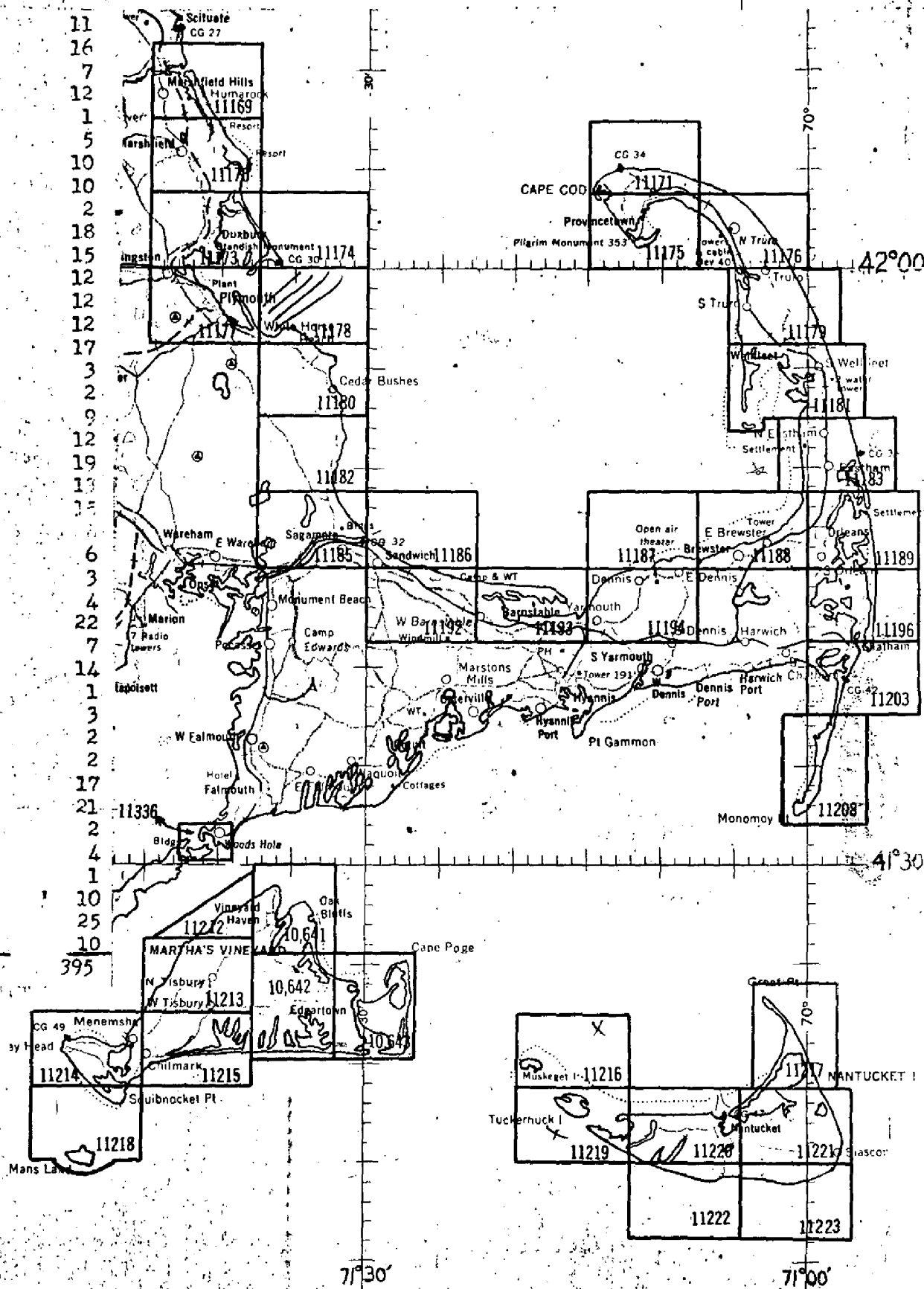
CAPE COD, MASS.

(5)

## Official Mileage for Cost Accounts

Sheet Lin.Mi. Area  
Shoreline Sq.Mi.

11169	24	11
11170	12	16
11171	10	7
11172	26	12
11173	6	1
11174	18	5
11175	12	10
11176	14	10
11177	4	2
11178	15	18
11179	9	15
11180	31	12
11181	7	12
11182	23	12
11183	8	17
11184	6	3
11185	5	2
11186	13	9
11187	20	12
11188	5	19
11189	32	13
11190	7	15
11191	14	6
11192	24	3
11193	14	3
11194	12	4
11195	7	22
11196	22	7
11197	25	14
11198	5	1
11199	22	3
11200	9	2
11201	12	2
11202	24	17
11203	20	21
11204	6	2
11205	7	4
11206	7	1
10641	18	10
10642	12	25
10643	40	10
TOTALS	607	395



Summary to Accompany Descriptive Report

T-11177 and T-11178.

T-11177 and T-11178 are 2 of the 40 maps comprising Project PH-116. Project coverage includes, Cape Cod Bay shoreline, the east shore of Cape Cod, Martha's Vineyard and Nantucket Islands. The subject maps cover the portion of Cape Cod Bay shoreline extending from Kingston Bay southeast to Rocky Point.

## 2. AREAL FIELD INSPECTION

The area bounded by this map is mainly a resort and summer home area. It engulfs Warren Cove and Rocky Point.

The main highway along the coast passes through the western part of the map.

The photographs were easily interpreted and though they were two years old there was not much change. The following photographs were used in field inspection: DPT-2K-188, DPT-7K-81.

## 3. HORIZONTAL CONTROL

All Coast and Geodetic Survey stations were searched for. The following was identified but is doubtful because the description of the station is not specific enough to be sure that this is the right house: ROCKY POINT HOUSE, CHIMNEY 1908.

The following was reported lost: PILGRIM HOTEL FLAGSTAFF 1908.

The following Massachusetts Geodetic Survey traverse station of third-order accuracy was identified: M3BA 1936.

## 4. VERTICAL CONTROL

Inapplicable.

## 5. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage is easily interpreted on the photographs.

## 6. WOODLAND COVER

Inapplicable.

## 7. SHORELINE AND ALONGSHORE FEATURES

The shoreline is in most part rocky with some sand beaches. The mean high water line and mean low water line have been delineated.

Alongshore features have been identified on the photographs where they are not easily interpreted.



8. OFFSHORE FEATURES

The only offshore features are rocks and they have been identified and heights furnished. There is little or no navigable water between the shore and the rocks. The foul areas marked as such with no rocks identified or heights furnished have no prominent rocks.

9. LANDMARKS AND AIDS

Two landmarks presently have been recommended for deletion. No new ones were selected.

There are no aids.

10. BOUNDARIES, MONUMENTS AND LINES

Inapplicable.

11. OTHER CONTROL

None was established.

12. OTHER INTERIOR FEATURES

Roads have been classified in accordance with pages 5 thru 7 of the U. S. Geological Survey Instructions, "Mapping of Roads and Railroads."

A prominent natural feature is Rocky Point. It is a high point of ground that runs to Cape Cod Bay. A bluff extends around the point and the shore is very rocky.

13. GEOGRAPHIC NAMES

No discrepancies in names were disclosed during field work.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Letter of Transmittal No. Ph-116-2, Forms 567, Landmarks and Aids to Navigation, to be forwarded to Washington Office at a later date.

Letter of Transmittal No. Ph-116-17, Data, Map T-11178, forwarded to Washington Office 18 September 1953.

Submitted  
17 September 1953

*E. H. Kirsch*

Approved & Forwarded  
18 September 1953

*Eugene T. Ogilby*  
Eugene T. Ogilby  
Cartographic Sur. Aid.

E. H. Kirsch  
Chief of Party



COMPILATION REPORT  
Project No. 6116  
Survey No. T-11178

The Photogrammetric Plot Report is part of the Descriptive Report for survey No. T-11173.

31. DELINEATION

Graphic methods were used to delineate this manuscript.

The vertical projector was used to apply swamp and marsh to manuscript from quadrangle Manomet, Mass. as swamp and marsh limits were not field inspected. Office interpretation of photographs showed changes in some areas.

Except for the statement on the field report (item 12) concerning bluffs, no bluff limits or elevations were indicated. Bluffs shown on the manuscript were stereoscopically interpreted.

32. CONTROL

Refer to Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

The U.S.G.S. Manomet quadrangle was used for geographic names.

Field inspection data for the revision of Manomet quadrangle was also used.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.

Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate. Foul areas were delineated from field inspected photos and office interpretation.

36. OFFSHORE DETAILS

The shoal areas at Browns Bank could not be adequately delineated from the photographs. Outer Tautog Rock was not visible on the photographs.

37. LANDMARKS AND AIDS

None.

Form 567 has been submitted for two landmarks recommended for deletion.

38. CONTROL FOR FUTURE SURVEYS

No photo-hydro stations have been located in the compilation office.

Refer to the hydrographic survey data for photo-hydro stations located by the hydrographic party.

39. JUNCTIONS

Junctions are in agreement with T-11177 to the west and T-11180 to the south. There is no junction to be made with T-11174 to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 - 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. Quadrangle, Manomet, Mass. scale 1:31,680, edition of 1937, revised, in 1941.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison made with U.S.C. & G. S. nautical chart 245. Scale 1:20,000 published April 1932, corrected to 2/26/55.

47. COMPARISON WITH NAUTICAL CHARTS (cont'd)

Items to be applied to Nautical Charts immediately:

None.

Items to be carried forward:

None.

Respectfully submitted  
5 August 1955

*Catherine A. Lipscomb*

Catherine A. Lipscomb  
Carto. Photo. Aid

Approved and forwarded

*E. H. Kirsch*

E. H. Kirsch,  
Comdr. C&GS  
Baltimore District Officer

48. GEOGRAPHIC NAMES LIST

\* Beach Park *OK F/W*  
 Browns Bank

Cape Cod Bay

Eel River

Mass. 3 (Hwy)

Mass. 3A (Hwy)

\*\* Outer Tautog Rock

*Name is OK. Rock is not awash at low tide.   
 G/F/W*

Plymouth Bay  
 Priscilla Beach

Rocky Point

\*\*\* Rocky Point Rd. *OK (to S.E. of Rocky Pt.)   
 G/F/W.*

Warren Cove

Warren Ave. *OK (to W. of Rocky Pt.)   
 G/F/W.*

\* Name from Chart 245. Placement of name doubtful.

*Placement OK m 245   
 G/F/W*

\*\* From Chart 245. Rock not visible on photos. Name on manuscript in pencil.

*Name is OK. Rock is not awash at low tide.   
 G/F/W*

\*\*\* Name from field inspection. Name on quadrangle is Warren Avenue.

*Warren Ave. to W. of Rocky Pt., Rocky Pt. Rd. to S.E.   
 G/F/W*

*Names checked & approved   
 6-9-65*

*A. J. Wright*

(H)

24 Aug 1955

Form T-2

## PHOTOGRAMMETRIC OFFICE REVIEW

T. 11178

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

## CONTROL STATIONS

4a. Classification label ☒5. Horizontal control stations of third-order or higher accuracy ☒ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ☒ 7. Photo hydro stations ☒ 8. Bench marks ☒ 9. Plotting of sextant fixes ☒ 10. Photogrammetric plot report ☒ 11. Detail points ☒

## ALONGSHORE AREAS

(Nautical Chart Data)

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

## PHYSICAL FEATURES

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

## CULTURAL FEATURES

27. Roads ☒ 28. Buildings ☒ 29. Railroads ☒ 30. Other cultural features ☒

## BOUNDARIES

31. Boundary lines ☒ 32. Public land lines ☒

## MISCELLANEOUS

33. Geographic names ☒ 34. Junctions ☒ 35. Legibility of the manuscript ☒ 36. Discrepancy overlay ☒ 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒40. R. Glaser Reviewer Joseph Steinberg 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

(15)

Review Report

T-11178

May 1965

62. Comparison with Registered Topographic Surveys

T-3625	1916	1:20,000
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T-11178 supersedes the prior survey for charting purposes in the common area.

63. Comparison with Maps of Other Agencies

USGS quadrangle,	Manomet, Mass.	1:24,000	1941
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No significant differences were noted.

64. Comparison with Contemporary Hydrographic Surveys

H-8165	1954	1:10,000
H-8166	1954	1:20,000

T-11178 provided the shoreline for the hydrographic surveys in the common area. Except for the revision of some rock elevations no changes were made by the hydrographer in shoreline survey details. Those rock elevations that differed as the result of the hydrographic survey field checks were removed from the shoreline survey.

Some additional rocks were located by the hydrographer. More comprehensive mapping of foul areas could be accomplished with color and infrared tide controlled photography.

65. Comparison with Nautical Charts

No. 245	Scale 1:20,000	Revised 4/1/63
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No page indicating application of this map to the chart has been inserted in this Descriptive Report. No significant differences were noted except for charted rock information applied from hydrographic surveys H-8165 and H-8166.

66. Adequacy of Results and Future Surveys

This map meets the National Standards of Map Accuracy. Except as qualified under heading 64, T-11178 meets Bureau requirements.

Reviewed by:

*S. G. Blankenbaker*  
S. G. Blankenbaker



Approved by:

Charles Henry  
Chief, Photogrammetric Branch  
HCB.

Chief, Nautical Chart Division

L. F. Woodward  
Chief, Photogrammetry Division

**TQ/PH/CHARTERED  
TO BE DELETED**

**STRIKE OUT ONE**

# NONFLUENT/AMB/OR LANDMARKS FOR CHARTS

**Plymouth, Massachusetts**

23 October 1953

I recommend that the following objects which have ~~(4444/4444)~~ been inspected from seaward to determine their value as landmarks be ~~(4444/4444)~~ the charts indicated.

The positions given have been checked after listing by

[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.

