

11196 11196a

RETURN TO D.E.

Diag. Cht. No. 1208-2.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline

T-11196 &

Field No. Ph-116

Office No. T-11196a

LOCALITY

State Massachusetts

General locality Cape Cod

Locality Pleasant Bay

1952-54

CHIEF OF PARTY

L.F. Woodcock, Chief of Field Party
W.F. Deane, Balto. Photo. Office

LIBRARY & ARCHIVES

DATE January 2, 1966

USCOMM-DC 5087

11196a
11196
11196

DATA RECORD

(1)

T -11196

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

Quadrangle Name (IV):

Field Office (II): **New Bedford, Mass.**Chief of Party: **L. F. Woodcock**Photogrammetric Office (III): **Baltimore, Maryland**Officer-in-Charge: **William F. Deane**

Instructions dated (II) (III): **30 April 1953**
Supp. 1-9 June 1953
Supp. 2-9 July 1953
Ltr. of 10 July 1953
Supp. 3-11 Aug 1953
Ltr. of 28 Aug 1953

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III):

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 (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): **STRONG, 1868**Lat.: **41° 43' 11.854" (365.7 m)** Long.: **69° 57' 29.675" (686.0 m)**

Adjusted

~~265.4000~~

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.

SHORELINE

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

DATA RECORD

3

Field Inspection by (II): B. F. Lampton, Jr.

Date: July 1954

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location):

1954 field inspection

Office interpretation of photographs taken 3/15/55 and 11/15/55.

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

Date: 2/24/54

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

Date: 2/24/54

Control plotted by (III): J. Schleupner

Date: 1/20/55

Control checked by (III): H. R. Rudolph

Date: 1/21/55

Radial Plot ~~not stereoscopic~~

Date: 2/18/55

~~Control extension~~ by (III): H. R. Rudolph

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): J. B. Phillips

Date: 5/9/55

Photogrammetric Office Review by (III): H. R. Rudolph

Date: 8/24/56

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

Date:

Camera (kind or source) (III): C&GS "W" camera, 6" lens
PMA 6" lens

(4)

Number	Date	Time	Scale	Stage of Tide
DPL-3K-12 thru 15	6/3/52	1016	1:10,000	(3.4 above MLW (outer coast (2.9 " " (inner "
DPL-5K-79 thru 83	7/25/52	1334	"	2.9 " "
55-W-2474 thru 2476	11/15/55	1150	"	3.4 " " (inner coast
55-W-2519 thru 2521	"	1220	"	3.9 " " (inner coast
55-W-2474	"	1150	"	7.4 " " (outer coast
55-W-2520 & 2521	"	1220	"	7.3 " " (outer coast

Tide (III)

Reference Station: Boston
Subordinate Station: Pleasant Bay
Subordinate Station: Chatham

Ratio of Ranges	Mean Range	Spring Range
	9.5	11.0
0.37	3.5	4.1
	6.7	7.8

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

Date: Aug., 1965

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 8.5
Shoreline (More than 200 meters to opposite shore) (III): 26 mi.
Shoreline (Less than 200 meters to opposite shore) (III): 4 mi.
Control Leveling - Miles (II): none
Number of Triangulation Stations searched for (II): 31 Recovered: 23 Identified: 17
Number of BMs searched for (II): none Recovered: Identified:
Number of Recoverable Photo Stations established (III):
Number of Temporary Photo Hydro Stations established (III):

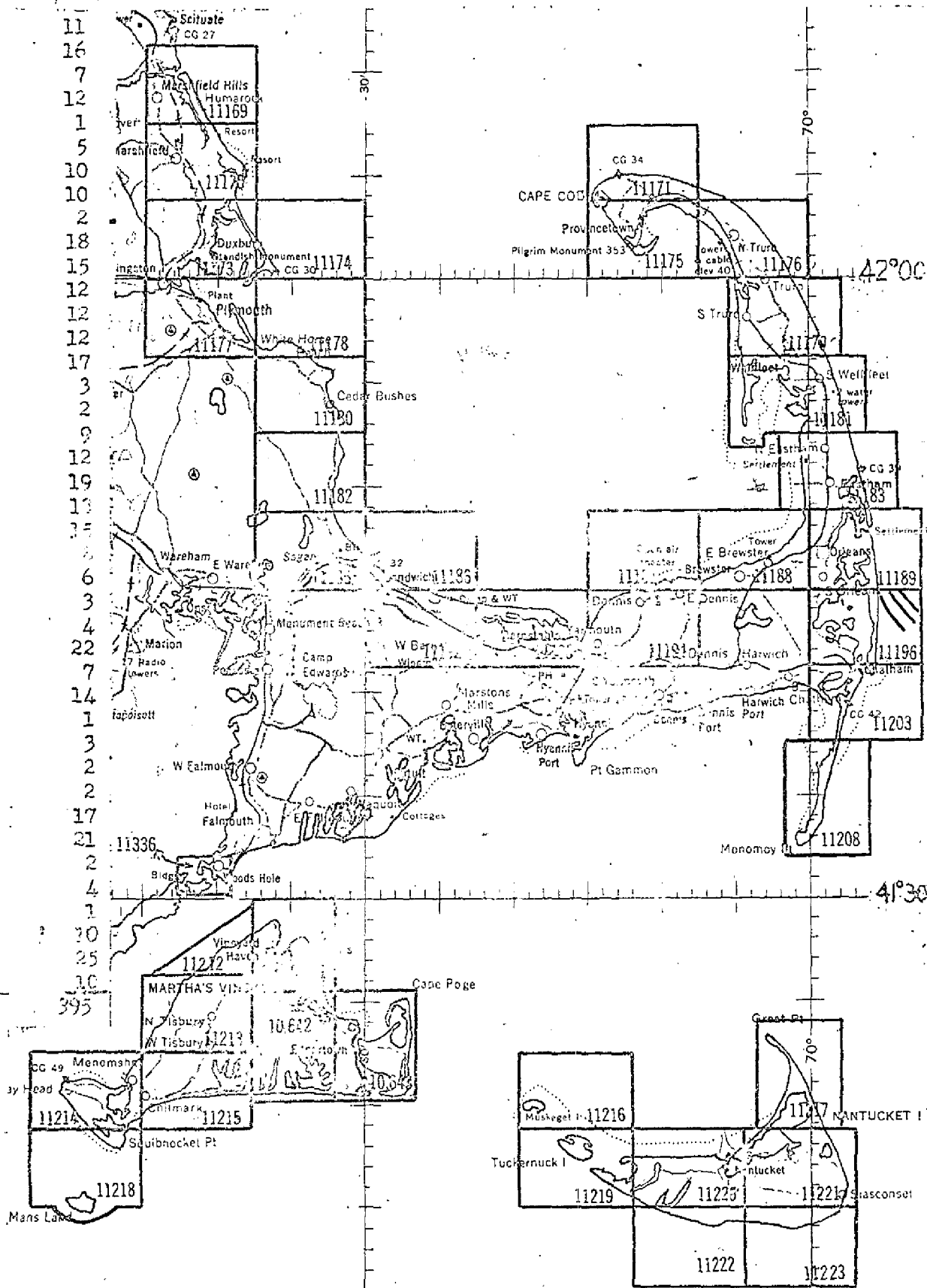
Remarks:

Control station MARCONI RADIO MAST, 1920 has been destroyed. The tower does not appear on the photographs taken in November 1955.

CAPE COD, MASS.

Sta. 1 Mileage for Cost Accounts
 Feet Lin. Mi. Area
 No. Shoreline Sq. Mi.

11169	24	11
11170	12	16
11171	10	7
11172	26	12
11174	6	1
11175	18	5
11176	12	10
11177	14	10
11178	4	2
11179	15	18
11180	9	15
11181	31	12
11182	7	12
11183	23	12
11185	8	17
11186	6	3
11187	5	2
11188	13	9
11189	20	12
11192	5	19
11193	32	13
11194	7	15
11196	14	8
11200	24	6
11208	14	3
11212	12	4
11213	7	22
11214	22	7
11215	25	14
11216	5	1
11217	22	3
11218	9	2
11219	12	2
11220	24	17
11221	20	21
11222	6	2
11223	7	4
11336	7	1
10641	16	10
10642	12	25
10643	10	16
GINLS	607	395



(6)

Summary to Accompany Descriptive Report
T-11189 and T-11196

T-11189 and T-11196 are two of forty similar surveys comprising Project PH-116. Project coverage includes (1) Cape Cod Bay shoreline, (2) approximately one half of the east shore of Cape Cod, and (3) the islands of Cape Cod and Martha's Vineyard. The subject maps cover a part of the east shore of Cape Cod.

Two maps are registered for each survey. Refer to side heading 61 of the final review report.

2. AREAL FIELD INSPECTION

The mainland is of typical dune formation, with numerous inlets and marshes along the shore and ponds in the interior depressions. It is chiefly rural, with large areas of dense woods.

Nauset Beach is a typical barrier beach, with partially grass covered dunes backed by marsh or sand flats. There are a number of islands in Pleasant Bay, some of which are hilly and covered with brush and trees. Others are entirely marsh.

The field inspection is believed to be complete. Field notes have been applied to the following photographs: 53-J-492 through 53-J-494; 53-J-847; 53-J-849; DPL-3K-12; DPL-5K-80 through DPL-5K-83.

The quality of the photography is adequate.

3. HORIZONTAL CONTROL

All Coast and Geodetic Survey horizontal control was searched for and identified if recovered, with the exception of OLD HARBOR COAST GUARD STATION, SIGNAL MAST, 1934, which was not identified because of its proximity to COAST GUARD STATION NO 41 1920.

The following stations of the Mass. Geodetic Survey were recovered: 111F, 111J, 111K, 111L, 111Q, 111R (all 1937), 111S, 111T, 111U, 111V (all 1938). Selected stations were identified.

The following stations have been reported as lost on Form 526: ELDRIDGE 1909, SIPSONS IS 1868, CHATHAM CORNER 8 1887, CROW 1909, HOUSE ON RIDGE SOUTH CHIMNEY (D) 1920, CHATHAM 1835, THAYER 1920, and 111G MGS 1937.

4. VERTICAL CONTROL

There are no tidal bench marks in the sheet. No other vertical control required.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

Drainage consists chiefly of fresh water ponds and tidal streams in marsh, and is clearly visible on the photographs. No perennial streams above marsh level were noted during field work.

6. WOODLAND COVER

Inapplicable.

7. SHORELINE AND ALONGSHORE FEATURES

The mean high water line at Nauset Beach is subject to change and has been indicated on the photographs as it was at time of photography.

In many places it is impractical to assign a definite junction between fast shoreline and apparent shoreline at edge of marsh because of narrow tidal flats between the inshore limit of marsh and fast ground.

Low dunes have built up at the outer edge of the marsh on the Pleasant Bay side of Nauset Beach near the north edge of the sheet. Some of the sandy areas visible on the photographs are covered at MHW and the shoreline is difficult to interpret. It is believed that sufficient notes have been shown to permit correct delineation.

It was impractical to inspect the mean low water line at time of mean low water, and its location has been left for the hydrographic party.

There are no bluffs or cliffs of landmark value.

Wharves, piers, and other shoreline structures are covered by field inspection notes. The shore ends of a submarine power cable have been indicated.

8. OFFSHORE FEATURES

All offshore rocks above MHW observed by the field party have been indicated on the photographs. Although it is believed that this inspection is reasonably complete, it is possible that there are other rocks slightly above MHW that were not found. As all offshore field work was done at time of high water, no rocks between MHW and MLW have been noted.

No other offshore features were found.

9. LANDMARKS AND AIDS

All landmarks and aids to navigation have been reported on Form 567.

10. BOUNDARIES, MONUMENTS AND LINES

Inapplicable.

11. OTHER CONTROL

None was established.

12. OTHER INTERIOR FEATURES

The interior limit of complete field inspection has been indicated by a violet line. In the area of complete field inspection, the following method of indicating buildings has been used:

Class 1 buildings have been indicated by a red X upon the image of the building.

Class 2 buildings have been indicated by a numeral 2 on the image of the building.

Where it was necessary to block-in a building with ink, the classification has been shown by a numeral and leader. The numeral and leader has been used in other instances where it was more convenient.

Buildings that are not to be mapped and features that are likely to be mistaken for buildings have been indicated by a green X.

Beyond the limits of field inspection, only public buildings have been noted. No landmark buildings were noted in the interior.

Roads have been classified in accordance with Section 5441 of the Topographic Manual. There is some traffic on Nauset Beach of four-wheel drive vehicles and cars equipped with special large tires. The major trails used by these vehicles have been indicated as landmark features in an area of sparse culture.

The Coast Guard telephone line on Nauset Beach has been indicated on the photographs and is a landmark feature.

All but a small portion of Chatham Airport lies within the sheet.

13. GEOGRAPHIC NAMES

No discrepancies in geographic names were noted during field work.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Letter of Transmittal No. Ph-116-31, Forms 567, to be forwarded to Washington Office at a later date.

Letter of Transmittal No. Ph-116-34, Data, Sheet T-11196, forwarded
to Washington Office AUG 10 1954

Submitted
9 August 1954

B. Frank Lampton, Jr.
B. Frank Lampton, Jr.
Cartographic Sur. Aid.

Approved & Forwarded
AUG 10 1954

Lorin F. Woodcock
Lorin F. Woodcock
Chief of Party

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 11196

PROJECT NO. Ph-116

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ϕ -COORDINATE LONGITUDE OR λ -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N. A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
111F, MGS, 1937	PWD Traverse p. 69	N.A. 1927	254,438.75 1,010,354.50	4438.75 354.50	(561.25) (4645.50)		1352.9 108.1	(171.1) (1416.0)	
Sub. Pt. 111F, MGS, 1937		"	254,537.49 1,011,155.82	4587.49 1155.82	(412.51) (3844.18)		1398.3 352.3	(125.7) (1171.7)	
111R, MGS, 1937	PWD Traverse p. 69	"	262,211.54 1,012,562.16	2211.54 2562.16	(2788.46) (2437.84)		674.1 780.9	(849.9) (743.1)	
Sub. Pt. 111R, MGS, 1937		"	P L O T T E D		G R A P H I C A L L Y				
111S, MGS, 1938	PWD Traverse p. 69	"	267,040.61 1,009,878.20	2040.61 4878.20	(2959.39) (121.80)		622.0 1486.9	(902.0) (37.1)	
Sub. Pt. 111S, MGS, 1938		"	P L O T T E D		G R A P H I C A L L Y				
111U, MGS, 1938	PWD Traverse p. 70	"	272,906.57 1,010,728.98	2906.57 728.98	(2093.43) (4271.02)		885.9 222.2	(638.1) (1301.8)	
Sub. Pt. 111U, MGS, 1938		"	272,919.00 1,010,791.76	2919.00 791.76	(2081.00) (4208.24)		889.7 241.3	(634.3) (1282.7)	
111K, MGS, 1937	PWD Traverse p. 69	"	255,511.34 1,021,257.81	511.34 1257.81	(4488.66) (3742.19)		155.9 383.4	(1368.1) (1140.6)	
111L, MGS, 1937	PWD Traverse p. 69	"	256,263.48 1,021,841.99	1263.48 1841.99	(3736.52) (3158.01)		385.1 561.4	(1138.9) (962.6)	
111Q, MGS, 1937	PWD p. 69	"	259,909.15 1,016,841.21	4909.15 1841.21	(90.85) (2158.79)		1496.3 561.2	(27.7) (962.8)	
111T, MGS, 1938	PWD p. 70	"	268,070.59 1,010,462.58	3070.59 462.58	(1929.41) (4537.42)		935.9 141.0	(588.1) (1383.0)	

1 FT. = 3048006 METER
COMPUTED BY: B. F. Lampton

DATE 30 December 1954

CHECKED BY: J. W. Robinson

DATE 30 December 1954

COMM. DC-57843

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 11196

PROJECT NO. Ph-1116

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
111V, MGS, 1938	PWD Traverse p. 70	N.A. 1927	274,170.75 1,011,004.38	4170.75	(829.25)		1271.2	(252.8)	
STRONG, 1868	G-3656 p. 134	"	41 43 11.854 69 57 29.675	1004.38	(3995.62)		306.1	(1217.9)	
Sub. Pt. STRONG, 1868		"	41 43 69 57				365.7	(1485.4)	
OLD HARBOR COAST GUARD STATION	G-3692 p. 154	"	41 41 50.98				686.0	(701.0)	
SIGNAL MAST, 1934		"	69 55 45.54				368.3	(1482.8)	
GREY HOUSE CHIMNEY (B), 1920	G-3656 p. 136	"	41 42 30.023 69 57 26.021				695.4	(691.5)	
COAST GUARD STATION No. 41, 1920	G-3656 p. 137	"	41 41 50.475 69 55 46.343				1572.8	(278.3)	
NORTH BOATHOUSE WEST GABLE, 1920	"	"	41 41 43.518 69 56 05.268				1053.0	(334.4)	
MARCONI RADIO MAST, 1920	G-3656 p. 138	"	41 42 10.652 69 58 56.405				926.3	(924.9)	
CHATHAM, ACME LAUNDRY, WATER TANK, 1934	G-3692 p. 153	"	41 42 03.194 69 58 10.347				601.6	(785.6)	
CHATHAM STANDPIPE, 1931	"	"	41 41 37.625 69 58 31.673				1557.3	(293.9)	
CURTIS' BUNGALOW, CHIMNEY, 1920	G-3656 p. 138	"	41 41 33.282 69 57 15.241				1071.6	(315.8)	
PAINE'S HOUSE CHIMNEY, 1920	"	"	41 41 22.607 69 57 09.176				1342.6	(508.5)	
							121.8	(1265.6)	
							328.6	(1522.5)	
							1304.1	(83.1)	
							98.5	(1752.6)	
							239.2	(1148.1)	1
							1160.8	(690.3)	12
							732.4	(655.0)	1
							1026.8	(829.3)	
							352.4	(1035.1)	
							697.5	(1153.6)	
							212.2	(1175.4)	

1 FT. = 3048006 METER

COMPUTED BY: B. F. Lampton

DATE 30 December 1954

CHECKED BY: J. W. Robinson

DATE 30 December 1954

COMM. DC-57843

SCALE OF MAP.....1:10,000...

SCALE FACTOR

[illegible]

COMPILATION REPORT

T-11196

Photogrammetric Plot Report: See descriptive report for Survey T-11203.

31. DELINEATION

This manuscript has been delineated by graphic methods. No vegetation has been shown and only those buildings in the vicinity of the shoreline have been shown. All other features in the interior have been compiled.

32. CONTROL

Refer to the Photogrammetric Plot Report

The field party reported that the radio tower which was control station MARCONI RADIO MAST, 1920 would be dismantled, possibly in the summer of 1954. This has evidently been done as its image does not appear on the photographs taken during November 1955. This station should be considered lost.

33. SUPPLEMENTAL DATA

The USGS Chatham Quadrangle, Topographic Survey No. T-5736 and Nautical Charts Nos. 257 and 1208 were used for geographic names.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.

Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate at the time it was made. However, the photographs taken 15 March 1955 and 15 November show many changes in the shoreline. No mean low-water lines have been shown. Some shallow lines have been shown and the note "shallow" has been shown in other shallow areas that have no definite limits.

Practically all of the MHWL along both sides of Nauset Beach and some portions along the mainland and islands has been redelineated according to office interpretation of the photographs taken during 1955. Many of the piers that were field inspected no longer exist and several new ones appear on the 1955 photography.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Forms 567 have been submitted for two non-floating aids, one of which is also an aeronautical aid.

One Form 567 for three landmarks was previously submitted by the field inspection party. One of these landmarks, RADIO TOWER, does not appear on the 1955 photographs. It has been removed from latest edition of chart 1208.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

To the east - all water area.

Junction has been made with T-11203 to the south and T-11189 to the north and is in agreement.

There is no contemporary survey to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. through 45.

Not applicable.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS Chatham, scale 1:31,680 - edition of 1943 revised in 1947, and with Topographic Survey No. T-5736 of this bureau.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart No. 1208, scale 1:80,000 - published in 1942 and corrected to 1 January 1954.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Approved and forwarded

William F. Deane
William F. Deane
CDR, CGS
Baltimore District Officer

Respectfully submitted
24 August 1956

Harry R. Rudolph
Harry R. Rudolph
Carto. (Photo.)

T-11196

49. NOTES FOR THE HYDROGRAPHER

Shallow lines have not been shown in many areas which have been labeled "shallow" as the limits are too indefinite.

No low-water lines have been shown.

Some of the western shoreline of Nauset Beach has been shown as "Unsurveyed MHWL".

PHOTOGRAMMETRIC OFFICE REVIEW

T. 11196

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

CONTROL STATIONS

4a. Classification label H.R.R.

5. Horizontal control stations of third-order or higher accuracy H.R.R. 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 H.R.R. 11. Detail points H.R.R.

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads H.R.R. 28. Buildings H.R.R. 29. Railroads H.R.R. 30. Other cultural features H.R.R.

BOUNDARIES

31. Boundary lines ~~_____~~ 32. Public land lines ~~_____~~

MISCELLANEOUS

33. Geographic names H.R.R. 34. Junctions H.R.R. 35. Legibility of the manuscript H.R.R. 36. ~~Discrepancy overlay~~ 37. Descriptive Report H.R.R. 38. Field inspection photographs H.R.R. 39. Forms H.R.R.
40. Harvey R. Rudolph Joseph Steinberg
Reviewer Supervisor, Review Section of 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:

REVIEW REPORT
T-11189 and T-11196
August 1965

61. General

Two maps will be registered for each survey (T-11189 and T-11189A; T-11196 and T-11196A). Maps T-11189A and T-11196A, "Incomplete Manuscripts", provided the shoreline for contemporary survey H-8348 (dated 1955-1956) in the common areas.

In some areas the two maps (incomplete and final copies) differ considerably in position and configuration of the shoreline. This is principally the result of (1) the use of the 1955 photography (T-11189, field inspected; T-11196, office interpreted) only during final compilation, and (2) the nature of the shoreline area - characterized by narrow fringes of marsh and grass-in-water immediately offshore from the MHW line. For T-11189, the field inspector marked the MHW line back of the apparent line and indicated, only by note, the existence of these features - classified as marsh. These features were not considered in some instances in delineating the shoreline on the incomplete manuscript - the photography was not satisfactory for interpreting the features. These areas are mapped for the most part as marsh on the final manuscripts. The grass-in-water symbol is probably more representative of some areas shown as marsh; these areas were not recompiled during final review, however, due to inadequate field inspection and unsatisfactory photography. In accordance with instructions dated November 22, 1957, a part of the ocean shoreline and the Town Bay shoreline were not compiled (T-11189).

62. Comparison with Registered Topographic Surveys

T-5735 - 1:10,000 - 1941

T-11189 supersedes the prior survey for charting purposes.

T-5736 - 1:10,000 - 1941

A number of rocks (located along the east shore of Little Pleasant Bay and the north shore of Pleasant Bay) shown on T-5736 are not accounted for by T-11196. With three exceptions these rocks were verified by contemporary hydrographic survey 8348 (side heading 64). The three unresolved differences follow: (1) Lat. $41^{\circ} 44.8'$ - Long. $70^{\circ} 58.2'$, an image, apparently a rock, visible on both the 1953 field inspection photography and the 1955 compilation photography was field inspected as an object not to be mapped. A rock is mapped

on T-5736 at this location; in addition, a rock is mapped on H-8348, a distance of 1.5 mm from the subject rock. No rock is visible on the photography at the location of rock shown on H-8348. The photo image of the apparent rock was delineated on T-11196 during final review; (2) Lat. $41^{\circ} 44.5'$ Long. $70^{\circ} 58.2'$, at these locations, rocks mapped on T-5736 are not visible on the photography.

63. Comparison with Maps of Other Agencies

USGS, Orleans quad. - 1:24,000 - 1962
USGS, Chatham quad. - 1:24,000 - 1961

No significant differences were noted.

64. Comparison with Contemporary Hydrographic Surveys

The shoreline transferred from the incomplete shoreline manuscripts is shown on the smooth sheet with no changes. Shoreline differences between the incomplete and final manuscripts affecting the hydrographic survey are discussed under side heading 61. Additional differences between the hydrographic survey and the final photogrammetric maps follow:

T-11189 - (1) Lat. $41^{\circ} 45.05'$ - Long. $69^{\circ} 58.25'$, rock visible on the photography; a nearby rock located by the hydrographic survey is not visible, (2) the marsh islet located at Lat. $41^{\circ} 45.8'$ - Long. $69^{\circ} 57.1'$ is not shown in its correct position on the hydrographic survey.

T-11196 - the field inspection rock mapped at Lat. $41^{\circ} 43.5'$ - Long. $70^{\circ} 57.65'$ is visible on the photography. The rock is not shown on H-8348.

65. Comparison with Nautical Charts

1208 - 1:80,000 - revised April 15, 1963
270 - 1:20,000 - revised October 27, 1962

Pages indicating application to nautical charts have not been inserted in the Descriptive Reports. No significant differences were noted.

66. Adequacy of Results and Future Surveys

These maps meet the National Standards of Map Accuracy. Ex-

for the qualifications concerning shoreline (side head-
1) the maps meet Bureau requirements.

Reviewed by:

S. G. Blankenbaker
S. G. Blankenbaker

oved by:

Charles Henry
ef, Photogrammetric Branch
L.C.

L. F. Woodcock
ef, Photogrammetry Division

Chief, Nautical Chart
Division

The positions given have been checked after listing by

<u>Isaiah Y. Fitzgerald</u>	<u>/s/ Lorin F. Woodcock</u>
Photo. Engr.	

MASSACHUSETTS

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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

APPROXIMATE

NONREPLICATING AIDS OR LANDMARKS FOR CHA/

**TO BE CHARTED
TO BE DELETED**

STRIKE OUT ONE

Baltimore, Mar/

I recommend that the following objects which have ~~(XXXXXXXXXX)~~ been inspected from seaward charted on ~~(XXXXXXXXXX)~~ the charts indicated.

The positions given have been checked after listing by

E. H. Trench

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.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS, OR, LANDMARKS FOR CHARTS

TO BE CHARTED } **STRIKE OUT ONE**

Baltimore, Maryland 23 March 1955

I recommend that the following objects which have ~~(143220, 14331)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(143220, 14331)~~ the charts indicated.

The positions given have been checked after listing by H.R. Rudolph

E. H. Birch

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

48. GEOGRAPHIC NAME LIST

Allen Point
Atlantic Ocean

Barcliff Road
Barnstable County
Bassing Harbor
Black Pond
Branch Street
Broad Creek

Cape Cod
Chatham Airport
Chatham Port
Crows Pond

Deep Pond

Eastward Ho Country Club
Emery Pond

Fox Hill
Frost Fish Creek

Great Hill

Harwich Road
Hog Island
Hog Island Creek

Little Pleasant Bay
Little Sipson Island
Lovers Lake

Mass 28 (Hwy)
Mass 39
Muddy Creek

Nauset Beach
Newty Pond
Nickerson Neck
North Chatham

Old Comers Road
Old Harbor Road
Orleans Road
Orleans Chatham Road

Peoples Cemetery
Pleasant Bay

T-11196

Quanset Pond
Quanset Road
Queen Anne Road

Round Cove
Ryder Cove
Ryders Pond
Ryders Road

Sampson Island
Sarahs Pond
Schoolhouse Pond
Shoal Pond
Shore Road
Sipson Island
Sisters of Divine Providence School
Stillwater Pond
Strong Island
Stony Hill Road
Tar Kiln Road
Tern Island
The Narrows
Twinings Pond

Uncle Israels Pond
Uncle Seths Pond
Union Cemetery

White Pond

Names checked
+ approved
7-23-65
A. J. Wright

