9080 9081
9082

9080 9081
9082

Diag. Cht. No. 1209-2 & 1210-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey SHORELINE

Field No. Ph-31D(48) *Office No.* T-9080 T-9081 T-9082

LOCALITY

State MASSACHUSETTS

General locality NANTUCKET SOUND

Locality MARTHA'S VINEYARD

194 9

CHIEF OF PARTY Field Party
E.R.McCarthy, Washington,N.C. Chief of
L.J.Reed, Washington , D. C. Office

LIBRARY & ARCHIVES

DATE Nov- 20-1953

8-1870-1 (1)

DATA RECORD

T-9080, 81, 82

Project No. (II): Ph-31D(48) Quadrangle Name (IV):

Field Office (II): Washington, N. Carolina Chief of Party: E. R. McCarthy

Photogrammetric Office (III): Washington Office Officer-in-Charge: Louis J. Reed, Chief, Stereoscopic Mapping Sec.

Instructions dated (II) (III): 8 April 1948

Copy filed in Division of Photogrammetry (IV)
Office Files

Method of Compilation (III): Stereoplanigraph

Manuscript Scale (III): 1:10,000 Stereoscopic Plotting Instrument Scale (III): 1:10,000

Scale Factor (III): 3:2

Date received in Washington Office (IV): 4-27-50 Date reported to Nautical Chart Branch (IV): 5-2-50

Applied to Chart No. Date: Date registered (IV): 3 Nov 1953

T-9081 Date of [illegible] 1953

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): NA-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): 1

Lat.: Long.: Adjusted / Unadjusted

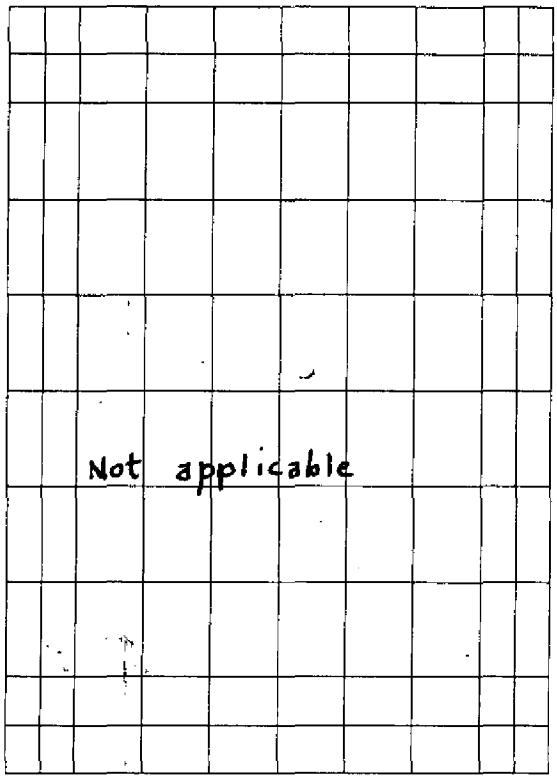
Plane Coordinates (IV): State: Zone:

Y= X=

Massachusetts State Grid, Island Zone

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)

~~100%~~

~~by~~

~~Michael G. Misulia~~

~~on~~

~~The Stereoplanigraph~~

DATA RECORD

Field Inspection by (II): Robert A. Horn Date: 16 June 1949

Planetable contouring by (II): None Date:

Completion Surveys by (II): None Date:

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

Shoreline taken from 1949 Field Inspection photo-identification, photography, dated May 1948. Parts positioned by planetable methods during field inspection.

Projection and Grids ruled by (IV): Ruling Machine Date: 16 Aug. 1948

Projection and Grids checked by (IV): Wheatley E. Ward Date: 16 Aug. 1948

Control plotted by (III): Michael G. Misulia Date: 30 Aug. 1949

Control checked by (III): John B. McDonald Date: 31 Aug. 1949

~~Radial Plot~~ or Stereoscopic Control extension by (III): Michael G. Misulia Date: 16 Sept. 1949

Stereoscopic Instrument ~~compilation~~ delineation Planimetry (III): Michael G. Misulia Date: 16 Sept. 1949

~~Contours~~ Date:

Manuscript ~~delineated~~ Compilation by (III): John b. McDonald Date: 10 April 1950

Photogrammetric Office Review by (III): Louis J. Reed Date: 14 April 1950

Elevations on Manuscript ~~checked by (II)~~ (III): No elevations Date:

Camera (kind or source) (III): USC&GS "O", 6" f, Wide-angle

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
48J-939 thru 48J-977	2 May 1948	14:44 to 15:26	1:24,000	0.9' below MHW at Cape Poge EHK 0.1 below MHW at Wasque Point at MHW for Jobs Neck Pond

Tide (III)

Ratio of Ranges	Mean Range	Spring Range
0.2	2.2	2.6
0.5	1.6	2.0
0.8	2.7	3.2

Reference Station: Boston, Mass & Newport, R.I.

Subordinate Station: Cape Poge, Chappaquiddick Island

Subordinate Station: Wasque Point " "
Off Jobs Neck Pond Marthas Vineyard

Washington Office Review by (IV): Everett H. Ramey Date: 6 April 1951

Final Drafting by (IV): H. Lucas, W. Taylor T-9080 Date: Oct. 29, 1951
H. Lucas, W. Taylor T-9081 Oct. 29, 1951

Drafting verified for reproduction by (IV): T-9080 Kupiec Date: Oct. 30, 1951
T-9081 W.O. Hallenin Oct. 30, 1951

Proof Edit by (IV): June 25, 1952

Land Area (Sq. Statute Miles) (III): See remarks below

A–Shoreline (More than 200 meters to opposite shore) (III): " " "

B–Shoreline (Less than 200 meters to opposite shore) (III): " " "

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): 25 Recovered: 19 Identified: 19

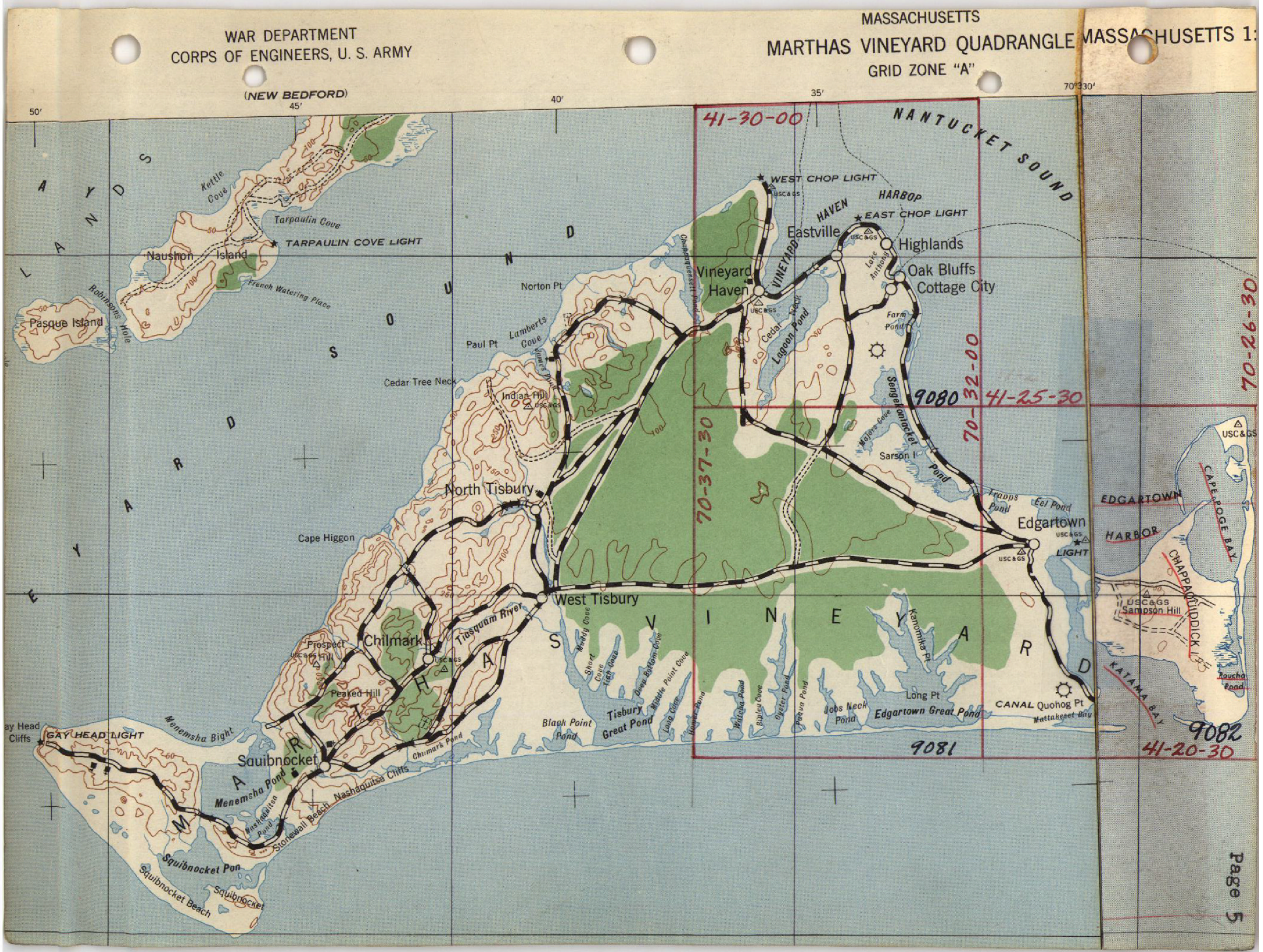
Number of BMs searched for (II): None Recovered: Identified:

Number of Recoverable Photo Stations established (III): 6

Number of Temporary Photo Hydro Stations established (III):

Remarks:

	Land Area	Shoreline
T-9080	9.25 Sq. mi.	22 miles
T-9081	21.50 " "	55 miles
T-9082	10.75 " "	50 miles
Totals:	41.5 Sq. Mi.	127 miles


WAR DEPARTMENT
CORPS OF ENGINEERS, U. S. ARMY
MASSACHUSETTS
MARTHAS VINEYARD QUADRANGLE MASSACHUSETTS 1:
GRID ZONE "A"
(NEW BEDFORD)
70°30'
35'
40'
45'
50'
41-30-00
70-26-30
70-32-00
41-25-30
70-37-30
41-20-30
9080
9081
9082
NANTUCKET SOUND
VINEYARD HAVEN HARBOR
WEST CHOP LIGHT
EAST CHOP LIGHT
TARPAULIN COVE LIGHT
GAY HEAD LIGHT
Eastville
Highlands
Oak Bluffs
Cottage City
Vineyard Haven
Edgartown
LIGHT
North Tisbury
West Tisbury
Chilmark
Squibnocket
Squibnocket Pond
Squibnocket Beach
Menemsha Pond
Menemsha Bight
Stonewall Beach
Nashaquitsa Cliffs
Peaked Hill
Prospect Hill
Tisquam River
Chilmark Pond
Tisbury Great Pond
Black Point Pond
Edgartown Great Pond
Jobs Neck Pond
Long Pt
CANAL
Quohog Pt
Cape Higgon
Cedar Tree Neck
Norton Pt
Paul Pt
Lamberts Cove
Indian Hill
Sarson I
Trapps Pond
Eel Pond
Farm Pond
Lagoon Pond
Cedar Neck
Sengekontacket Pond
Katama Bay
Chappaquiddick I.
Sampson Hill
Pasque Island
Naushon Island
Kettle Cove
Tarpaulin Cove
French Watering Place
Robinsons Hole
Gay Head Cliffs
Nashaquitsa Pond
Squibnocket Pond
Lambert Cove
Middle Point Cove
Long Cove
Hoppin Cove
Ripley Cove
Oyster Pond
Katama Pt
Mattakeset Bay
Poucha Pond
Lake Anthony
Cape Poge Bay
EDGARTOWN HARBOR
MARTHAS VINEYARD
USC&GS

SUMMARY TO ACCOMPANY T-9080, T-9081 and T-9082

Project Ph-31(48)-D comprises three shoreline maps T-9080, T-9081 and T-9082. It covers the shoreline and adjacent areas of the eastern part of Martha's Vineyard and all of Chappaquiddick Island.

These maps were compiled in the Washington Office by stereoplanigraph at a scale of 1:10,000. The field operations included field inspection of shoreline and adjacent areas and the establishment of some additional horizontal control.

At the time of compilation, it was planned that these maps would be published as planimetric maps and inland features were consequently compiled. This would have entailed additional field inspection and verification by a field edit or field completion party. These maps did not receive this additional field inspection and thus are reliable for shoreline areas only. However, compiled inland features should meet Bureau requirements for accuracy of position.

Map T-9080 covers $4\frac{1}{2}'$ in latitude by $5\frac{1}{2}'$ in longitude and maps T-9081 and T-9082 each cover $5'$ in latitude by $5\frac{1}{2}'$ in longitude. Items registered will include one descriptive report covering the three maps and one cloth-mounted lithographic print at a scale of 1:10,000 for each map.

FIELD INSPECTION REPORT

2. Area of Field Inspection:

The area surveyed is the eastern half of Martha's Vineyard Island, and the water areas immediately adjacent. There are three major settlements within the limits of these sheets, namely, Vineyard Haven, Oak Bluffs, and Edgartown. The principal occupation of the local residents is the operation and/or maintenance of the various recreational facilities for the accommodation of vacationists. The population reportedly increases from an approximate 5,000 during the winter months to approximately 40,000 during the peak summer months. Living costs are rather high during this period but are compensated for by the aesthetic and material values obtained.

The population is rather concentrated in the vicinity of the three towns previously mentioned. Fishing in the surrounding waters is a source of attraction for the recreationist, especially the yearly "Bass Derby".

The area may be reached by ferry from New Bedford or Woods Hole, Massachusetts. Commercial Airlines also operate scheduled flights to and from the island providing access by air. There are no direct railroad or highway connections to Martha's Vineyard; the ferry transports all vehicular traffic, and its schedule is also conveniently arranged with bus or railroad services on the mainland.

3. Horizontal Control:

All horizontal control stations were searched for and the majority recovered. Stations were identified in accordance with Project Instructions. Form 526 is submitted regarding the status of each station. Three new stations were established in critical locations to facilitate the radial plot; names of these stations are MIDWAY - 1949, FLYNN - 1949, and KATAMA - 1949. Forms 24a, 525, and 250 are submitted with information on these stations. 944/GT2° G-8094

4. Vertical Control:

Not applicable.

5. Contours and Drainage:

Not applicable

6. Woodland Cover:

A considerable portion of the area is wooded, some of which is maintained as a State Forest.

7. Shoreline and Alongshore Features:

On the south shore of this project considerable changes have occurred in the shoreline characteristic since photography. Where necessary the alterations have been indicated on the photographs by planetable methods. At other points the field man has delineated the MHWL by using field reference measurements. When the MHWL appears in the water on the photographs it should not be mis-construed as carelessness or an error on the part of the field man. The MHWL, in all cases, has been carefully determined and should be compiled as shown.

The ponds along the south shore, including Watcha Pond, Oyster Pond, and Jobs Neck Pond, are not open to tides. Edgartown Great Pond is open via a narrow drainage canal but any tidal affects is practically imperceptible. Oyster Pond, according to local reports, is opened yearly for a "Bass Derby". After that, if wave action does not close it off, it is sealed artificially by the owner.

The approximate Low Water Line of part of the shores in this area was indicated by the standard symbol. In some instances sand has shifted since photography and the low water line no longer follows the pattern discernible on the photographs. An attempt was made to clarify this situation with the necessary delineations.

All wharves and shoreline structures discernible on the photographs have been inspected and explained where necessary. Additional delineations were made as required.

8. Off-shore features:

Areas foul with boulders have been labeled appropriately. Four groups of piling have been located by the three point "fix" method; also a large boulder that is a considerable distance off-shore in Edgartown Harbor. See item 35

The shore end of a submarine cable leading from West Chop to Woods Hole is indicated. Also the position of the submarine cables between Edgartown and Chappaquiddick Island.
See item 67

9. Landmarks and Aids:

All landmarks and fixed aids to navigation within the limits of these sheets were investigated. Recommendations are that one new landmark be charted and two old landmarks be deleted. Details on these items are submitted on Form 567.

10. Boundaries, Monuments, Line:

The boundaries of the three airports have been shown as well as the limits of the Martha's Vineyard State Forest.

11. Other Control:

Not applicable.

12. Other Interior Features:

There are three airports within the confines of these sheets. The largest is the Martha's Vineyard Airport (former Navy field) and is the stop for commercial airlines. Two smaller fields are the Oak Bluffs Airport and the Edgartown Airport.

There are three items that could be considered aeronautical aids which are listed on a Form 567 submitted. They are as follows: - a revolving white light which operates every night at the Martha's Vineyard Airport; and a radio beacon, call letters MVY, operating twenty-four hours on 391 Kc, at the same field. The third item is a State Police radio station in Oak Bluffs, call letters WSPO, which operates twenty-four hours on 35,900 Kc.

The roads and trails were classified in accordance with Photogrammetry Instructions No. 10, dated 14 April 1947, and, the amendment to the above, dated 24 October 1947.

The clearances of all bridges have been checked and the results indicated on the photographs. A minor discrepancy is noted in the vertical clearance of the bascule bridge at Lagoon Pond as listed in the Bridge Book and field measurements. The bridge book lists the vertical clearance at high water as 15.3 ft. Field measurements reveal it to be 13.9 feet. This matter has been brought to the attention of the District Engineer.

13. Geographic Names:

In accordance with the Project Instructions, a systematic investigation of Geographic Names was not made. Names were checked at critical points and particular attention was given to the items noted on the Preliminary Name Sheets that were supplied to the field party. The necessary information on names is recorded on the Preliminary Name Sheets or the Photographs.

14. Special Reports and Supplemental Data:

Not applicable.

15. Notes to Compiler:

The following is a listing, by separate sheets, of the horizontal control identified to control the radial plot:

Sheet 9080

TISOAK - 1936	Sub. Station
VINEYARD HAVEN YELLOW STONE WATER TOWER	Pricked Direct
LAGOON HEIGHTS WATER TOWER - 1904	Pricked Direct
EAST CHOP LIGHTHOUSE - 1904	Pricked Direct
JETTY LIGHT RED - 1928	Pricked Direct
WEST CHOP LIGHTHOUSE - 1904	Pricked Direct
JACKSON - 1936	Pricked Direct
UNION CHAPEL SPIRE - 1904	Pricked Direct
SEAVIEW HOUSE FLAGPOLE - 1928	Pricked Direct

To be located during or after the radial plot: - Photo Points 1, 2, & 3 and three "fixes".

Sheet 9081

FIRE TOWER - 1939	Pricked Direct
WHITE TANK - 1928	Pricked Direct
NAVY AIRPORT TANK - 1943	Pricked Direct
FLYNN - 1949	Sub. Point

To be located by the compiler:- one three point "fix"

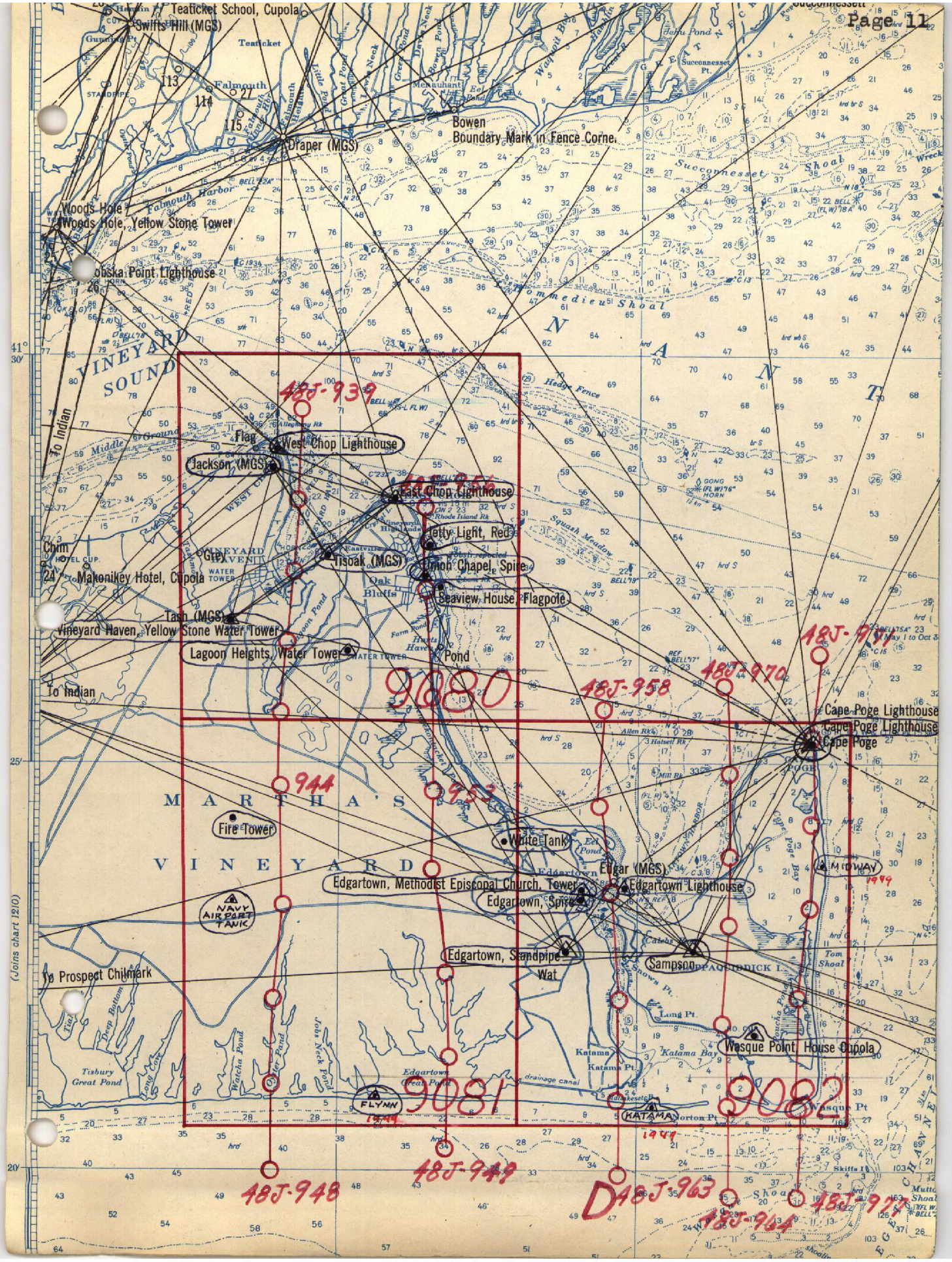
Sheet 9082

SAMPSON - 1845	Sub. Point
MIDWAY - 1949	Sub. Point
EDGARTOWN, M. E. CH. TOWER - 1928	Pricked Direct
EDGARTOWN STANDPIPE - 1932	Pricked Direct
EDGARTOWN SPIRE - 1845	Pricked Direct
WASQUE POINT, HOUSE CUPOLA - 1932	Pricked Direct
CAPE POGE LIGHTHOUSE - 1928	Pricked Direct
KATAMA - 1949	Pricked Direct

To be located by compiler: - one "fix" on off-shore boulder.

Submitted:
Date 16 June 1949

/s/ Robert A. Horn
Cartographer


Teaticket School, Cupola
Swifts Hill (MGS)
Teaticket
Falmouth
Draper (MGS)
Bowen
Boundary Mark in Fence Corne.
Woods Hole
Woods Hole, Yellow Stone Tower
Falmouth Harbor
Succonnesset Shoal
Nomeideu Shoal
NANTUCKET
VINEYARD SOUND
To Indian
Middle Ground
Flag
West Chop Lighthouse
Jackson (MGS)
East Chop Lighthouse
Tetty Light, Red
Tisoak (MGS)
Union Chapel, Spire
Seaview House, Flagpole
Oak Bluffs
Tash (MGS)
Vineyard Haven, Yellow Stone Water Tower
Lagoon Heights, Water Tower
Lagoon Pond
Farm Pond
Pond
Makonikey Hotel, Cupola
To Indian
Cape Poge Lighthouse
Cape Poge Lighthouse
Cape Poge
MARTHA'S VINEYARD
Fire Tower
White Tank
Edgar (MGS)
Edgartown Lighthouse
Edgartown, Methodist Episcopal Church, Tower
Edgartown, Spire
NAVY AIR PART TANK
Edgartown, Standpipe
Wat
Sampson
MIDWAY
To Prospect Chilmark
Wasque Point House Cupola
Katama
Katama Pt.
Katama Bay
Edgartown Great Pond
Tisbury Great Pond
Watcha Pond
Oyer Pond
Jobs Neck Pond
FLYNN
KATAMA
Norton Pt.
Wasque Pt
Long Pt.
Snows Pt.
drainage canal
(Joins chart 1210)
48J-939
48J-954
48J-944
48J-953
48J-970
48J-958
48J-977
48J-948
48J-949
48J-963
48J-962
48J-927
9080
9081
9082
1949

Photogrammetry

MAP T-9082 PROJECT NO. Ph-31D (48) SCALE OF MAP 10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
Sampson, 1845	Mass GP List Page No. 7	Na 1927	41 22 41.234 70 29 02.613			1272.1 578.9 60.7 1333.5	
* CAPE POGE LIGHTHOUSE, 1928	271	"	41 25 13.449 70 27 06.044			414.9 1436.1 140.4 1252.9	
EDGARTOWN, METHODIST EPISCOPAL CHURCH TOWER, 1928	411	"	41 23 25.396 70 30 56.687			783.5 1067.5 1317.1 76.9	
EDGARTOWN, STAND-PIPE, 1932	411	"	41 22 40.807 70 31 10.876			1258.9 592.1 252.7 1141.5	
WASQUE POINT, HOUSE CUPOLA, 1932	411	"	41 21 29.933 70 28 01.081			1231.9 619.1 25.1 1369.5	
EDGARTOWN, SPIRE, 1845	412	"	41 23 18.06 70 30 56.00			557.2 1293.8 1301.1 92.9	
MIDWAY, 1949	522	"	41 23 39.112 70 26 55.781	G-8092 Library G-8093 " G-8094 "		1206.6 644.4 1295.9 98.0	
KATAMA, 1949	522	"	41 20 50.944 70 29 15.759			1571.6 279.4 366.4 1028.5	
** WAT, 1932	271	"	41 22 41.186 70 31 10.958			1270.6 254.6	
Edgartown Light-house, 1875	411	"	Station considered destroyed since it was completely rebuilt in ~~1938; see recovery card, form 526.~~ However, it was rebuilt in the same location and has been shown on the manuscript as a topo station; see T & H card, form 524. Edgartown Lighthouse, 1949.				

* This station replaces CAPE POGE LIGHTHOUSE, 1845.

** This station was not shown on the manuscript since it is located within 38 ft of another station, EDGARTOWN, STANDPIPE, 1932.

NOTE: Above stations described on No 512.

Page 19

1 FT. = .3048006 METER

COMPUTED BY: DATE CHECKED BY: DATE

M-2388-12

Photogrammetry

MAP T-9081 PROJECT NO. Ph-31D(48) SCALE OF MAP 10,000 SCALE FACTOR

STATION	Mass GP List SOURCE OF INFORMATION (INDEX) Page No.	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LIN IN METERS FORWARD (BACK)
NAVY AIRPORT TANK, 1943	517	NA 1927	41 23 17.958 70 36 48.617			554.0 1297.0 1129.6 264.4	
FLYNN, 1949	522	"	41 20 57.918 70 34 31.748	G-8092 Library 8093 " 8094 "		1786.8 64.2 738.0 656.8	
* Footings, 1949 EWR (Fire Tower, 1939)	409	"	41 24 18.724 70 36 45.871			577.6 1273.4 1065.5 328.2	
* Footings, 1949 EWR (White Tank, 1928)	412	"	41 24 01.233 70 32 09.816			38.0 1813.0 228.0 1165.8	

* Both tower and tank have been removed - see recovery cards 526s. However, in both cases the four concrete footings remain and the positions can be reconstructed rather readily; therefore the two stations are shown on the manuscript as topo stations. Form 524 submitted at time of the final review. EWR

Note: Stations described on No 512

Page 13

1 FT. = .3048006 METER

COMPUTED BY: DATE CHECKED BY: DATE

M-2388-12

Photogrammetry

MAP T-9080 PROJECT NO. Ph-31D(48) SCALE OF MAP 10,000 SCALE FACTOR

STATION	Mass GP List SOURCE OF INFORMATION (INDEX) Page No.	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	- FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
TISOAK (MGS), 1936	272	NA 1927	41 27 31.473 70 35 12.332			970.9 880.1 286.2 1106.3	
East Chop Light-house, 1904	272	"	41 28 12.548 70 34 04.724			387.1 1463.9 109.6 1282.7	
UNION CHAPEL, SPIRE, 1904	272	"	41 27 16.226 70 33 31.169			500.6 1350.4 723.4 669.2	
JACKSON (MGS), 1936	271	"	41 28 37.195 70 36 05.474			1147.5 703.5 127.0 1265.1	
WEST CHOP L.H., 1904	406	"	41 28 50.466 70 36 01.107			1556.9 2794.1 25.7 1366.4	
VINEYARD HAVEN, YELLOW STONE WATER TOWER, 1932	410	"	41 26 43.337 70 36 49.148			1336.9 514.1 1140.9 251.9	
JETTY LIGHT, RED, 1928	412	"	41 27 39.56 70 33 26.68			1220.4 630.6 619.2 773.3	
LAGOON HEIGHTS, WATER TOWER, 1904	412	"	41 26 22.901 70 34 51.669			706.5 1144.5 1199.5 193.5	
(Cupola, 1949 *Seaview House, Flagpole, 1928)	412	"	41 27 08.31 70 33 16.04			256.4 1594.6 372.3 1020.4	

* Flagpole destroyed--see recovery card. However, cupola on which pole was centered is still in existance and therefore station is shown on the manuscript as a topo station. Also see 524 card.

Page 14

1 FT. = .3048006 METER

COMPUTED BY: DATE CHECKED BY: DATE

M-2388-12

COMPILATION REPORT

20-30. Radial Plot Report:

No radial plot was required of the method used to compile this project and therefore no report is submitted.

31. Delineation:

Delineation was accomplished on the stereoplanigraph. Field inspection was adequate except that inland features were not inspected because the original instructions were written for shoreline survey. However, the inland areas that were not inspected were small and can be quickly covered during field edit. See preface (or summary) with this report.

32. Control:

Reference is made to side-headings 3 and 4 of this report, the field inspection section. All recovered stations were used to control the compilation. In addition, 3 stations which were reported as lost were used as position checks. All control is listed on the three control sheets (Form M-2388-12) included in this report and appropriate notes thereon indicate the three stations reported lost.

Spacing, density, and identification of control was adequate.

33. Supplemental Data:

Inapplicable.

34. Contours and drainage:

Inapplicable.

35. Shoreline and Alongshore Details:

See side-heading 7 of the field inspection section in this report. MHW and approximate MLW lines have been compiled on the manuscripts exactly as located by the field man on the inspection photographs. Shoreline field inspection was considered adequate except that a few rocks on and near the MHWL were overlooked.

36. Offshore Details:

The submarine cables have been compiled from the field photos to the manuscripts as indicated by the field inspectors report in side-heading 8 of this report. Also see item 67.

The rock and 3 of the groups of piling located by three point fixes in the field have been computed and scaled on the manuscripts. A fourth group of piling has been rejected since the horizon circle furnished by the fix does not close by nearly 10 degrees. See item 67

The three point fix objects were at such a great distance that graphic plotting of the positions for checking purposes was impracticable. It is suggested that this fact be called to the attention of the field inspector in the interest of shorter sights if and when possible.

37. Landmarks and Aids:

See four Form 567s included in this report. All seventeen landmarks and aids listed thereon are positioned on the manuscripts, eleven as triangulation stations, and six as topographic stations (RADIO TOWER - STATE POLICE - OAK BLUFFS, FIRE TOWER, WATER TOWER, REVOLVING WHITE LIGHT, RADIO BEACON-MVY, and VINEYARD HAVEN BREAKWATER LIGHT.

38. Control and Future Surveys:

Six 524 forms (T&H Cards) were submitted by the field inspector and a seventh was executed in the Washington Office during compilation. They are listed below:

1.	VINEYARD HAVEN BREAKWATER LIGHT	T-9080
2.	RADIO TOWER	T-9080
3.	EDGARTOWN LIGHTHOUSE	T-9082 ENR
4.	FLAGPOLE	T-9082 ENR
5.	RADIO BEACON-MVY	T-9081 ENR
6.	REVOLVING WHITE LIGHT	T-9081 ENR
7. ENR	~~SEAVIEW HOUSE~~ CUPOLA	T-9080

All the above stations are shown on the manuscripts as topographic stations~~, except number 3, EDGARTOWN LIGHTHOUSE. The lighthouse was replaced in 1938 by a new structure on nearly the same location and the new lighthouse is located on the map as a triangulation station.~~ ENR

In addition, two other topographic stations have been shown on the manuscript, FIRE TOWER and WATER TANK. No 524 cards exist for them since they are now classified as "destroyed" triangulation stations and therefore data regarding them exists in GP and descriptive lists. Since the four footings of each structure are still in place, the recoverable positions are considered to be of topographic station accuracy. See item 69

39. Junctions: In agreement.

40. Horizontal Accuracy: Standard.

41. Boundaries:

Reference side-heading 10 found in the field inspection section of this report. Boundaries exist in addition to those located by the field man, the sub-divisions of Duke County within which all three sheets are located. See item 68 Also, several boundary monuments exist within the limits of the three sheets, and they were not field identified. The field man is exonerated since his instructions were for a shoreline survey (which was altered to planimetric in the office after

field inspection). Nevertheless, these boundaries and monuments are not shown on the manuscripts as they should be according to the manual.

46. Comparison with Existing Maps: See items 62 and 63

a. Edgartown - 1:31,680 - 1944 Edition - USGS
b. Vineyard Haven - " - " " - "
c. Tisbury Great Pond - " - " " - "

47. Comparison with Nautical Charts: See item 65

a. Chart No. 347, Vineyard Haven, Martha's Vineyard, 1:10,000, August 1937, 11th Edition.

b. Chart No. 346, Edgartown Harbor, 1:20,000, June 1943, 8th Edition.

48. Geographic Name Lists:

See separate geographic name sheets, Form M-234s, included in this report.

49. Notes for the Hydrographer: Inapplicable.

50. Compilation Office Review:

See separate T-2 Forms, following:

Stereoscopic Instrument Delineation By:

Michael G. Misulia

Manuscript Compilation By:

John B. McDonald

Approved and Forwarded By:

25 Apr 50

L. J. Reed
Chief, Stereo. Mapping Section

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T-9080, 81, 82

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

CONTROL STATIONS

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 none 8. Bench marks none 9. Plotting of sextant fixes ✓✓✓ 10. Photogrammetric plot report none 11. Detail points none

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 alongshore cultural features ✓✓✓

PHYSICAL FEATURES

20. Water features ✓✓✓ 21. Natural ground cover ✓✓✓ 22. Planetable contours none 23. Stereoscopic instrument contours none 24. Contours in general none 25. Spot elevations none 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. _____ Reviewer

Louis Reed
Supervisor, Review Section or Unit
Chief, Stereoscopic Mapping Sect.

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

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED / ~~TO BE DELETED~~ } STRIKE OUT ONE

Martha's Vineyard, Mass. 15 June, 1949

I recommend that the following objects which have *(~~have not~~)* 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 James A. Clear, Jr.

E. R. McCarthy
Chief of Party.

STATE: MASSACHUSETTS

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
FG-79'-Vis 15 Mi.	EAST CHOP LIGHTHOUSE	x x x	41-28	387.1	70-34	109.6	NA 1927	Tri. 9080	1904	x			1209-346-347
F-84'-Vis 15 Mi.	WEST CHOP LIGHTHOUSE	x x x	41-28.9		70-36.0		"	"	1904	x			249-1209-347
FL-R	*OAK BLUFFS NORTH BREAKWATER LIGHT	x x x	41-27	1220.4	70-33	619.2	"	"	1928	x			1209-346-347
FL-R	VINEYARD HAVEN BREAKWATER (LIGHT)	x	41-27.5		70-35.7		"	Rad.Plot 9080 *	1949	x			1209-347-249
FL-ev 5 Sec.	CAPE POGE LIGHTHOUSE	x x x	41-25	414.9	70-27	140.4		Tri. 9082 *	1940				1209-346
FR-Vis. 12 mi.	EDGARTOWN LIGHTHOUSE	x x x	41-23.4		70-30.2			Rad.Plot 9082 *	1949				1209-346

* JETTY LIGHT, RED, 1928

*Positioned by Stereoplanigraph

Typed from Nautical Chart Branch typed copy.
Filed as part of Nautical Chart Letter 940 (1949)

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED / ~~TO BE DELETED~~ STRIKE OUT ONE

Martha's Vineyard, Mass. 15 June, 19 49

I recommend that the following objects which have *(have not)* 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 James A. Clear, Jr.

E. R. McCarthy
Chief of Party.

STATE MASSACHUSETTS

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
TANK (El)	*Wooden Water Tank Painted in red and white blocks	x x x	41-23.3		70-36.7		NA 1927	Tri. 9081	1943			x	1209
WATER TOWER	VINEYARD HAVEN YELLOW STONE WATER TOWER	x x x	41-26	1336.9	70-36	1140.9	"	Tri. 9080	1932	x			347-249 1209
WATER TOWER	LAGOON HEIGHTS WATER TOWER	x x x	41-26	706.5	70-34	1199.5	"	Tri. 9080	1904			x	1209
CH TOWER	EDGARTOWN METHODIST EPISCOPAL CHURCH TOWER	x x x	41-23	783.5	70-30	1317.1	"	Tri. 9082	1928	x		x	1209-346
STANDPIPE	EDGARTOWN STANDPIPE	x x x	41-22	1258.9	70-31	252.7	"	Tri. 9082	1932	x		x	1209-346
HO. CUP.	WASQUE POINT HOUSE CUPOLA	x x x	41-21	1231.9	70-28	25.1	"	Tri. 9082	1932	x		x	1209-346

* NAVY AIRPORT TANK, 1943

Typed from Nautical Chart Branch typed copy.

Filed as part of Nautical Chart Letter 940 (1949)

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED / TO BE DELETED } STRIKE OUT ONE

Martha's Vineyard, Mass. 15 June 1949

I recommend that the following objects which have *(have not)* 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 James A. Clear, Jr.

E. R. McCarthy
Chief of Party.

STATE MASSACHUSETTS

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LAT. D.M. METERS	POSITION LONGITUDE ° ′	LONG. D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
FIRE TOWER - Destroyed		x	41-24	577.6	70-36	1,065.5	NA 1927	Tri.	1939			x	1209
WATER TOWER - VINEYARD HAVEN - Destroyed		x	41-27.2		70-36.5		"	Unknown 9080					1209-347-249

Typed from Nautical Chart Branch typed copy.

Filed as part of Nautical Chart Letter 940(1949)

O.K.-

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

AERONAUTICAL AIL CHARTS

~~NONFIXED AIDS OR~~ LANDMARKS FOR ~~CHARTS~~

TO BE CHARTED / ~~TO BE DELETED~~ — STRIKE OUT ONE

Martha's Vineyard, Mass. 15 June 1949

I recommend that the following objects which have *(have not)* 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 James A. Clear, Jr.

E. R. McCarthy

Chief of Party.

STATE: MASSACHUSETTS

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
REVOLVING WHITE LIGHT			41-23.4		70-36.6		NA 1927	Rad.Plot 9081 *	1949		X		1209
RADIO BEACON - MVY - 391 Kc			41-23.4		70-36.5		NA 1927	Rad.Plot 9081 *	1949		X		1209
RADIO TOWER - STATE POLICE - OAK BLUFFS (Call "WSPO" -35,900 Kc) (Ht 123 ft.)			41-27.1		70.33.4		NA 1927	Rad.Plot 9080 *	1949	X			347
								* Positioned by Stereoplanigraph					
	Typed from Natical Chart Branch typed copy.												
	Filed as part of Nautical Chart Letter 990(1949).												

734
Please file
T 9082

COPY

DEPARTMENT OF COMMERCE
U. S. Coast and Geodetic Survey

P. O. Box 759 Edgartown, Mass.

28 June 1949

To: The Director
Attention: Div. of Photogrammetry
U.S. Coast and Geodetic Survey
Washington 25, D.C.

Subject: Submarine Cable

Enclosed is a Nautical Chart section showing the position of a submarine cable (telephone) between Nantucket and Martha's Vineyard.

The shore end on Nantucket is not within the limits of subproject Ph-31(48) E; however, since the cable was discovered, and is not charted, it was deemed advisable to forward this information. The shore end on Martha's Vineyard falls within the limits of subproject Ph-31(48) D. It was not, however, indicated in the field data submitted on this area and it is recommended that this information be forwarded to the compilation office working on subproject Ph-31 (48) D.

/s/ R. A. Horn
Cartographer (Photo)

ANCHORAGE AREA
Edgartown
Edgartown Great Pond
Katama
Katama Bay
Katama Pt
Norton Pt
Wasque Pt
Wasque Shoal
Shore-end submarine cable
Skiffs Is
Mutton Shoal
MUSKEGET CHANNEL
Shoaling to 18 ft reported
Submarine Cable (Telephone)
Bass Ledge
Muskeget Rk
CUP. TOWER MUSKEGET I.
Gravel Is
Tuckernuck Bank
TUCKERNUCK I.
North Pond
East Pond
Hawes Shoal
Tuckernuck Shoal
Shovelful Shoal
CHAPPAQUIDDICK I.
Caleb's Pond
Tom Shoal
Poucha Pond
Long Pt.
HO. CUP.
STANDPIPE
Eel Pond
EDGARTOWN HARBOR
POGE
Cape Pogue Bay
Muskeget Channel
Bel Pt
Madaket Hbr
Hither Cr.
Long Pond
OCUPOLA
(channel shifted)
MAGNETIC
Chart 1209
Shore-end Submarine Cable
70° 30'
70° 15'
41° 20'

GEOGRAPHIC NAMES

Survey No. T-9080

Page 1

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Barnes Road	•									1
Beach Road	•									2
Brush Island	•									3
Brush Pond	•									4
Cedar Neck	•									5
County Road										6
Crystal Lake	•									7
Dukes County										8
East Chop	•	(for both feature + town)								9
East Chop Beach Club	•									10
Eastville	•									11
Edgartown-Oak Bluffs Road	•									12
Edgartown Road	•									13
Farm Road										14
Franklin Street										15
Gravel Island	•									16
Hamlin Pond	•									17
Harts Haven	•									18
Husselton Head	•									19
Lagoon Heights	•									20
Lagoon Pond	•									21
Lagoon Road	•									22
Lake Tashmoo	•									23
Lovers Rock	•									24
Main Street	•									25
										26
										27

M 234

GEOGRAPHIC NAMES

Survey No. T-9080

27

Page 2

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Martha's Vineyard	•									1
Martha's Vineyard Golf Course	•									2
Mink Meadows	•									3
Mink Meadows Golf Club										4
Nantic Park										5
Nantucket Sound	•									6
Oak Eluffs	•									7
Oak Bluffs Airport										8
Oak Bluffs Harbor	•									9
Oak Bluffs Wharf	•									10
Oak Grove Cemetery										11
Oak Grove Cemetery										12
Ocean Park	•									13
Oklahoma	•									14
Robbins Rock	•									15
Sengekontacket Pond	•									16
Spring Street										17
Sunset Lake	•									18
~~Tashmoo Golf Course~~										19
Texaco Mail Port	•									20
[illegible]										21
Vineyard Haven	•									22
Vineyard Haven Harbor	•									23
Vineyard Haven Yacht Club	•									24
Vineyard Highlands										25
										26
										27

M 234

GEOGRAPHIC NAMES

Survey No. T-9080

28

Page 3

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Vineyard Sound										1
West Chop		(for both feature & town)								2
West Spring Street										3
Williams Street										4
Wing Road										5
Wood Island										6
										7
										8
										9
										10
				Names approved						11
						2-26-51				12
							a.j.W.			13
										14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

M 234

GEOGRAPHIC NAMES

Survey No. T-9081

2.4

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Amoz Road										1
Atlantic Ocean	•									2
Beetle Swamp										3
Bold Water Point	•									4
Bran Point	•									5
Beetle Swamp										6
Butler Neck	•									7
Butler Neck Point	•									8
Clevelandtown Road										9
County Road										10
Crackatuxet Cove	•									11
Dividend Point	•									12
Dodger Hole										13
Dukes County										14
Duarte Pond										15
~~Edgartown~~										16
Edgartown Great Pond	•									17
Edgartown-Oak Bluffs Road	•									18
Edgartown Road										19
Edgartown-West Tisbury Road										20
Felix Neck	•									21
Fishers Road										22
Fresh Pond	•									23
Great Plains										24
Haystack Point	•									25
										26
										27

M 234

GEOGRAPHIC NAMES

Survey No. T-9081

30

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Jacobs Pond	•									1
James Cove	•									2
Jerneganville	•									3
Jernegan Pond										4
Jobs Neck	•									5
Jobs Neck Cove	•									6
Jobs Neck Pond	•									7
[illegible] Pond										8
Jobs Neck Road	•									9
Kanomika Neck	•									10
King Point	•									11
Lily Pond	•									12
Little Pond										13
Lyles Bay	•									14
Majors Cove	•									15
Martha's Vineyard	•									16
Martha's Vineyard Airport		•								17
Martha's Vineyard State Forest	•									18
Mashacket Cove	•									19
Mashacket Neck	•									20
Meeting House Road										21
Nantucket Sound	•									22
Nashamores Neck	•									23
[illegible]										24
Ocean Heights	•									25
										26
										27

M 234

GEOGRAPHIC NAMES

Survey No. T-9081

31

Page 3

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Oyster Pond	•									1
Paqua Pond	•									2
Pocketapaces Neck	•									3
Pohogonot Road	•									4
Quampache Bottom										5
Ripley Cove	•									6
Sarson Island	•									7
Scrubby Neck	•									8
Scrubby Neck Road	•									9
Sengekontacket Pond	•									10
Slough Cove	•									11
South Beach	•									12
Swan Neck										13
Swan Neck Point	•									14
Trapps Pond		?	(does not belong here - LHA 4-4-51)							15
Turkeyland Cove	•									16
Vineyard Haven Road	•									17
Waldron Bottom										18
Watcha Pond	•									19
West Point	•									20
West Tisbury										21
West Tisbury Road										22
Wintucket Cove	•									23
				Names approved						24
				2-26-51						25
				a.j.w.						26
										27

M 234

GEOGRAPHIC NAMES

Survey No. T-9082

32

Page 1

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Airport Road										1
Atlantic Ocean	•									2
Beetle Swamp										3
Bluefish Point	•									4
Caleb Pond	•									5
Cape Poge	•									6
Cape Poge Bay	•									7
Cape Poge Elbow	/									8
Cape Poge Gut	•									9
Chappaquiddick Island	•									10
Chappaquiddick Point	•									11
Chappaquiddick Road	•									12
Clevelandtown	•									13
Clevelandtown Road										14
Cook Street	•									15
Crackatuxet Cove	•									16
Dukes County										17
Edgartown	•									18
Edgartown Airport										19
Edgartown Beach	•									20
Edgartown Golf Course	•									21.
Edgartown Harbor	•									22
Edgartown Lighthouse										23
Edgartown Oak Bluffs Road	•									24
Eel Pond	•									25
										26
										27

M 234

GEOGRAPHIC NAMES

Survey No. T9082 B3

Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
John Oliver Point	•									1
Katama	•									2
Katama Bay	•									3
Katama Point	•									4
Katama Ranch										5
Katama Road	•									6
Litchfield Road										7
Little Beach	•									8
Little Neck	•									9
Long Point	•									10
Main Street	•									11
Martha's Vineyard	•									12
Mattakeset Bay	•									13
Mattakeset Herring Brook	•									14
Meeting House Road										15
Mill Hill										16
Muskeget Channel	•									17
Nantucket Sound	•									18
North Neck	•									19
Norton Point	•									20
Pease Pond	•									21
Poucha Pond	•									22
Quohog Point	•									23
Sampson Hill	•									24
~~School Road~~										25
School Road										26
Little Beach										27
		added 4-4-51								

M 234

GEOGRAPHIC NAMES

Survey No. T-9082 34

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Sengekontacket Pond										1
Spear Pen Pond										2
Simon Point ~~Simons Point~~										3
Snows Point										4
South Beach										5
South Summer Street										6
Toms Neck										7
Trapps Pond										8
Vineyard Haven Road										9
Washaqua Hill										10
Wasque Point										11
Wasque Road										12
West Tisbury Road										13
Whistler Point										14
										15
										16
				Names approved						17
						2-26-51				18
							A.J.W.			19
										20
										21
										22
										23
										24
										25
										26
										27

M 234

REVIEW REPORT

Shoreline Maps T-9080, T-9081, and T-9082

6 April 1951

62. Comparison with Registered Topographic Surveys:

T-202	1:10,000	1846-'56-'71-'86
T-203	1:10,000	1845-'46-71
T-204	1:10,000	1846
T-1702	1:10,000	1886-'87-'89
T-1802	1:10,000	1888
T-1845	1:10,000	1888
T-2299	1:20,000	1897
T-2390	1:20,000	1892-'98
T-2391	1:20,000	1897-'98
T-4427	1:10,000	1928

Numerous changes have occurred in shoreline and cultural features since the dates of these surveys (see item 65). The surveys of this project supersede these prior surveys for nautical charting purposes for the area of this project.

63. Comparison with Maps of Other Agencies:

Tisbury Great Pond, Mass.(USGS)	1:31680	1944
Vineyard Haven, Mass. (USGS)	"	1944
Edgartown, Mass.(USGS)	"	1944

Shoreline has changed considerably since these surveys but it was noted that interior features have changed little since these surveys with the exception of the construction of Martha's Vineyard Airport. These maps were used to interpret marsh and swamp areas not adequately covered by field inspection.

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

346	1:20,000	1943 (8th Edition)
347	1:10,000	1937 (11th Edition)
1209	1:80,000	1943 (8th Edition)

Some shoreline areas have changed greatly since the compilation of these charts. Norton Point has built up eastward over one mile changing the entrance to Katama Bay accordingly. Wasque Point and the area adjacent to Eel Pond have also changed substantially. Chart 347 shows

numerous rocks awash in the area of Vineyard Haven Harbor which were not noted by the field inspection for this survey (see item 35). Interior cultural features are not adequately depicted by these charts (see item 63).

66. Adequacy of Results and Future Surveys:

This map meets the National Standards of Map Accuracy and complies with Bureau requirements for a shoreline survey with exceptions noted under items 35 and 67.

67. Offshore Features:

The position of a submarine cable between Martha's Vineyard and Nantucket was shown by the field inspection on a section of Nautical Chart 1209. Since the accuracy of this method is questionable, the shore end of the cable is shown on T-9082 as approximate.

The piling rejected for plotting by the compiler (see item 36) was added to T-9080 during this review. The general area for the piling was selected from the station identification card and the erroneous angle was isolated by checking directions from this area. The other angles were then used for more accurate plotting which gave an unchecked position. Apparently the angle in error was recorded as 45°43' when it should have been 54°43'.

68. Boundaries:

Reference item 41. Boundaries referred to are not required for a shoreline survey. However, those located by the field inspector (see item 10) are shown on the map manuscripts.

69. Control:

Reference item 38. Forms 524 were submitted for "Fire Tower" and "Water Tank" at the time of this review and stations were named "Footings" in each case.

Reviewed by:

Everett H. Ramey

Everett H. Ramey

S. V. Griffith
Chief, Review Section
Div. of Photogrammetry

Chief, Nautical Chart Branch
Div. of Charts

O. J. Reading
Chief, Div. of Photogrammetry

Earl D. Hendrix
Chief, Div. of Coastal Surveys

36

NAUTICAL CHARTS BRANCH

SURVEY NO. 9080

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
	1209		Before After Verification and Review No correction
7-9-51	347	L.V.E.	Before After Verification and Review partial
6-6-56	249	JMA	~~Before~~ After Verification and Review partial
3-16-73	249	J. Bailey	~~Before~~ After Verification and Review Exam. No corr. Superseded by RS-817 and T-12497
10-10-73	1209	Q Chapman	~~Before~~ After Verification and Review Exam no corr. superseded by 10641 & RS 817
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.

39

NAUTICAL CHARTS BRANCH

SURVEY NO. 9081

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
	1209		Before After Verification and Review No correction
7-9-51	347	L.V.E.	Before After Verification and Review no correction
6-1-56	249	JMA	~~Before~~ After Verification and Review completely
3-16-73	249	J. Bailey	~~Before~~ After Verification and Review Exam. No correction.
7-2073	1209	O. Chapman	~~Before~~ After Verification and Review Exam. NO Corr superceded by 11064 & RS 816
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2168-1

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Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

40

NAUTICAL CHARTS BRANCH

SURVEY NO. 9082

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
10-11-73	1209	O. Chapman	Before After Verification and Review No correction
			Superseded by 10643, 10643A - ~~RS 817~~
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.

Examined 9080-1-2 for critical changes. [illegible] made, Cl. 1209 H.F.S.

" 9080 " " " : Chart 347: added piling (S of Oak Bluffs & in Vineyard Haven harbor) — to be completely applied when 347 is reconstructed. 7-9-51 HE

" 9081 " " " : No Corr'n, Ch 347, see above: 7-9-51 HE