

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

T-9080 T-9081

Field No. Ph-31D(48) Office No. 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

B-1870-1 (1)

9080 9081
9082

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

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): NA-1927

Vertical Datum (III): M H W

Mean sea level except as follows:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water or mean lower low water

Reference Station (III):

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.

Not applicable

Areas contoured by various personnel

(Show name within area)

(II) (III)

~~100%~~

~~by~~

~~Michael G. Misulia~~

~~on~~

~~The Stereoplanigraph~~

DATA RECORD

Page 3

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

delineation Planimetry Michael G. Misulia
Stereoscopic Instrument ~~Compilation~~ (III):

Date: 16 Sept. 1949

~~Contours~~

Date:

Compilation
Manuscript delineated 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 (III):

No elevations

Date:

Camera (kind or source) (III): USC&GS "0", 6" f, Wide-angle

PHOTOGRAPHS (III)

Number	Date	Time	Scale
48J-939 thru 48J-977	2 May 1948	14:44 to 15:26	1:24,000

Stage of Tide
0.9' below MHW **ENE**
 at Cape Poge
 0.1 below MHW
 at Wasque Point
 at MHW
 for Jobs Neck Pond

Tide (III)

Reference Station: Boston, Mass & Newport, R.I.
 Subordinate Station: Cape Poge, Chappaquiddick Island
 Subordinate Station: **Wasque Point**
 Off Jobs Neck Pond Martha's Vineyard

Washington Office Review by (IV): **Everett H. Roney**

Final Drafting by (IV): **H. Lucas, W. Taylor T-9080**
H. Lucas, W. Taylor T-9081

Drafting verified for reproduction by (IV): **T-9080 Kupiec**
T-9081 W.O. Hallum

Proof Edit by (IV):

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

Date: **6 April 1951**

Date: **Oct. 29, 1951**
Oct. 27, 1951

Date: **Oct. 30, 1951**
Oct. 30, 1951
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

(NEW BEDFORD)

70°30'

35'

40'



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

Project Ph-31(43)-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 a 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. *copy attached to this report*

- 3 -

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 WSP0, which operates twenty-four hours on 35,900 Kc. *sheet 940 (1949)*

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.

- 4 -

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

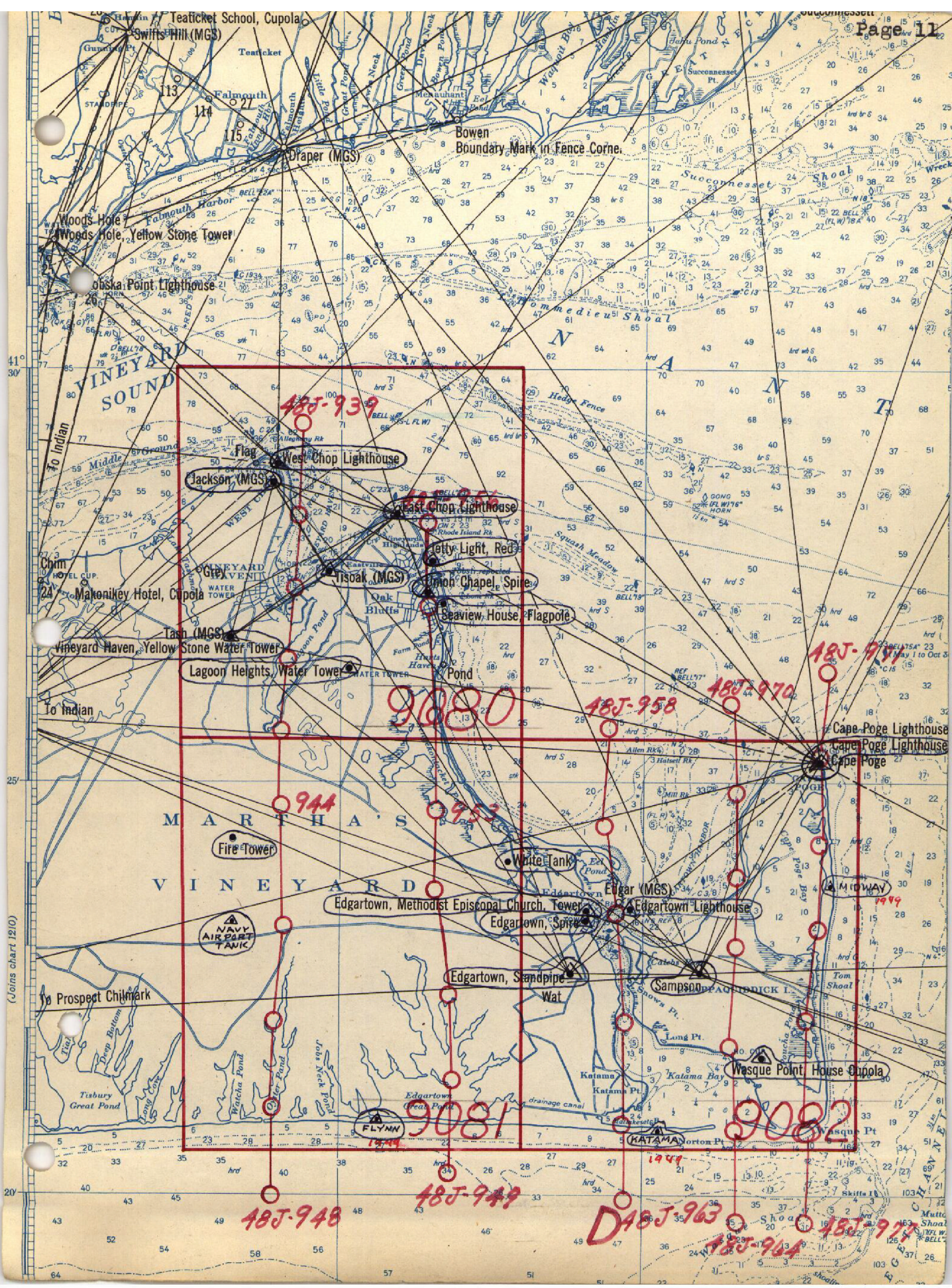
To be located by compiler: - one "fix" on off-shore boulder.

Submitted:

Date 16 June 1949

/s/ Robert A. Horn
Cartographer

RM



MAP T. 9082 PROJECT NO. Ph-31D (48) SCALE OF MAP 10,000' SCALE FACTOR

STATION	Mass GP 1st SOURCE OF INFORMATION (INDEX) Page No.	DATUM	LATITUDE OR ν -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	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	6-8092 Library 6-8093 " 6-8094 "		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.							

1 FT. = 3048006 METER

COMPUTED BY:

DATE

CHECKED BY:

DATE

M. 2388-12

MAP T. 2081 PROJECT NO. Ph-31D(48) SCALE OF MAP 10,000 SCALE FACTOR

STATION	GP List SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -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
	Page No.						
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	6-8092 Library 8093 " 8094 "		1786.8 64.2 738.0 656.8	
* Footings, 1949 ERR (Fire Tower, 1939)	409	"	41 24 18.724 70 36 45.871			577.6 1273.4 1065.5 328.2	
* Footings, 1949 ERR (White Tank, 1928)	412	"	41 24 00.233 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. ERR							
Note: Stations described on No 512							

Page 13

1 FT. = 3048006 METER
COMPUTED BY

DATE

CHECKED BY

DATE

M-2388-12

MAP T. 9080

PROJECT NO. Ph-31D(48)

SCALE OF MAP 10,000

SCALE FACTOR

STATION	GP List SOURCE OF INFORMATION (INDEX) Page No.	DATUM	LATITUDE OR μ -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		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)	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., 406 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 existence and therefore station is shown on the manuscript as a topo station. Also see 524 card.								
								Pa 14

1 FT. = 3048006 METER

COMPUTED BY:

DATE

CHECKED BY:

DATE

M-2388-12

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
ENR 7. SHAWNEE 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. 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 shore-line survey (which was altered to planimetric in the office after

See item 68

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
Michael G. Misulia

Manuscript Compilation By:

John B. McDonald
John B. McDonald

Approved and Forwarded By:

25 Apr 50

Louis J. Reed
L. J. Reed

Chief, Stereo. Mapping Section

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 along-shore 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.  

40. _____

Reviewer

inspection photographs ✓✓✓ 39. Forms ✓✓
Louis Reed
 Supervisor, Review Section or Unit
Chief, Stereoscopic
Mapping Sect

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:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NON-FLIGHTING AIDS OR LANDMARKS FOR CHARTS

**TO BE CHARTED
TO BE EXPLORED**

STRIKE OUT ONE

Martha's Vineyard, Mass.

15 June

6781

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

The positions given have been checked after listing by James A. Clear, Jr.

E. R. McCarthy

Chief of Party.

[illegible]

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONLOCALIZING AND/OR LANDMARKS FOR CHARTS

STRIKE OUT ONE

Martha's Vineyard, Mass.

15 June

6761

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.

[illegible]

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST AND GEODETIC SURVEY

AERONAUTICAL CHARTS

NON-CONCERNING-HIS-OR LANDMARKS FOR/CHARTS

STRIKE OUT ONE

TO BE CHARTED

Martha's Vineyard, Mass.

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.

[illegible]

734

Please file

T9082

C O P Y

23

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)

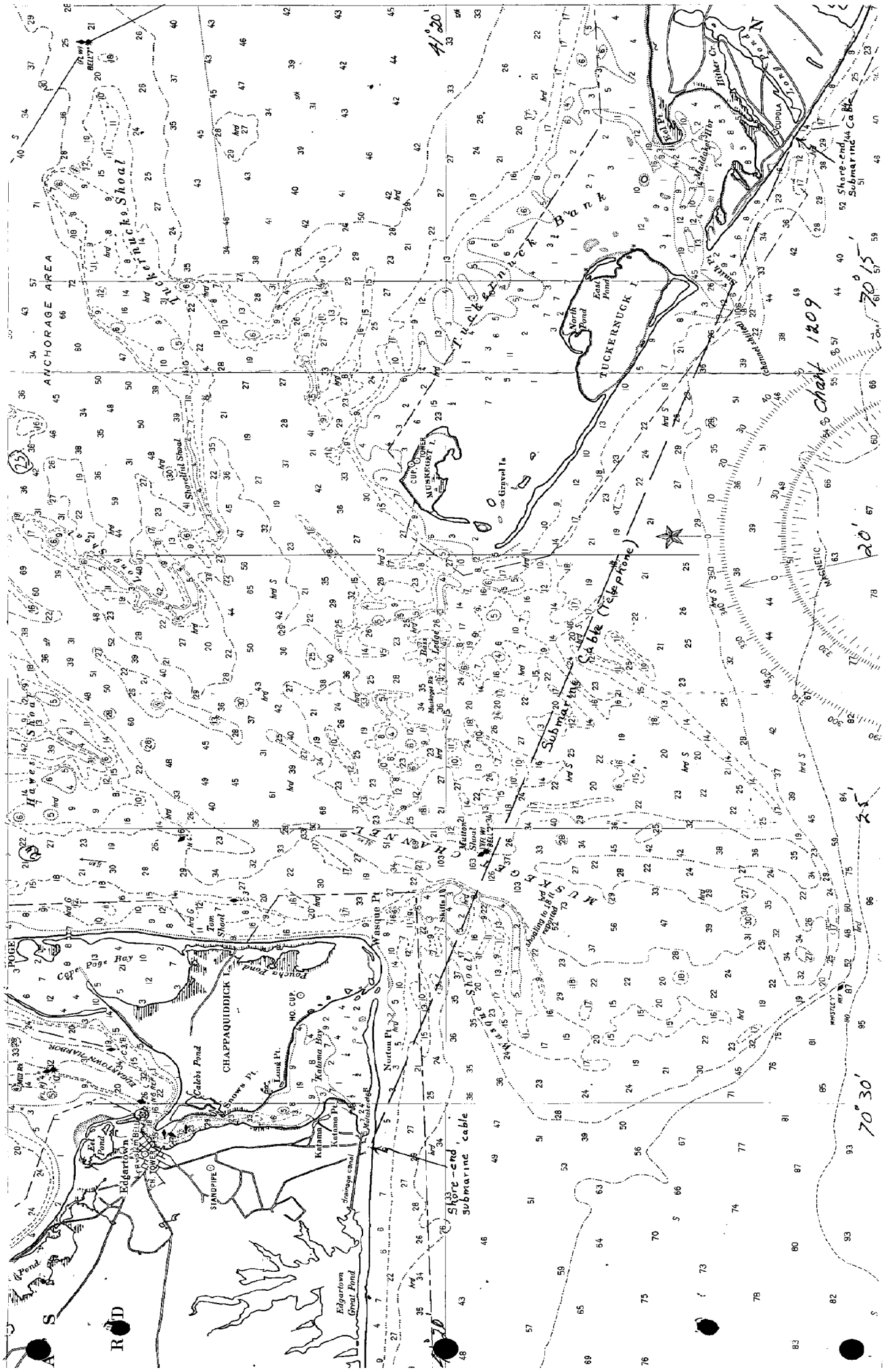


Chart 1809

20'

25'

30'

35'

GEOGRAPHIC NAMES

Survey No. T-9080

Page 1

Name on Survey

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

GEOGRAPHIC NAMES

Survey No. T-9080

Page 2
Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A	B	C	D	E	F	G	H	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 Bluffs	.								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
Tashmo Golf Course	.								19
Texaco Mail Port	.								20
Tashmo	.								21
Vineyard Haven	.								22
Vineyard Haven Harbor	.								23
Vineyard Haven Yacht Club	.								24
Vineyard Highlands									25
									26
									27

GEOGRAPHIC NAMES

Survey No. T-9080

Page 3
Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A	B	C	D	E	F	G	H	K	
Vineyard Sound									1
West Chop									2
West Spring Street									3
Williams Street									4
Wing Road									5
Wood Island									6
									7
									8
									9
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
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									27
									M 234

Names approved

2-26-51

a. j. w.

GEOGRAPHIC NAMES

Survey No. T-9081

Page 1
Name on Survey

	A	B	C	D	E	F	G	H	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

GEOGRAPHIC NAMES

Survey No. T-9081

Page 2

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A	B	C	D	E	F	G	H	K	
Jacobs Pond	.								1
James Cove	.								2
Jerneganville	.								3
Jernegan Pond	.								4
Jobs Neck	.								5
Jobs Neck Cove	.								6
Jobs Neck Pond	.								7
Jobs Neck Pond	.								8
Jobs Neck Road	.								9
Kanomika Neck	.								10
King Point	.								11
Lily Pond	.								12
<u>Little Pond</u>	.								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
Nashamokes Neck	.								23
Nashamokes Neck	.								24
Ocean Heights	.								25
									26
									27

GEOGRAPHIC NAMES

Survey No. T-9081

Page 3
Name on Survey

	A	B	C	D	E	F	G	H	K	
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
<u>Oyster Pond</u>	.									1
<u>Paqua Pond</u>	.									2
<u>Pocketapaces Neck</u>	.									3
<u>Pohogonot Road</u>	.									4
<u>Quampache Bottom</u>										5
<u>Ripley Cove</u>	.									6
<u>Sarson Island</u>	.									7
<u>Scrubby Neck</u>	.									8
<u>Scrubby Neck Road</u>	.									9
<u>Sengekontacket Pond</u>	.									10
<u>Slough Cove</u>	.									11
<u>South Beach</u>	.									12
<u>Swan Neck</u>										13
<u>Swan Neck Point</u>	.									14
<u>Trapps Pond</u>										15
<u>Turkeyland Cove</u>	.									16
<u>Vineyard Haven Road</u>	.									17
<u>Waldron Bottom</u>										18
<u>Watcha Pond</u>	.									19
<u>West Point</u>	.									20
<u>West Tisbury</u>										21
<u>West Tisbury Road</u>										22
<u>Wintucket Cove</u>	.									23
										24
										25
										26
										27
										28

(does not belong here - L.A.J. 4-4-51)

Names approved
2-26-51
a.f.w.

GEOGRAPHIC NAMES

Survey No. T-9082

32

Page 1
Name on Survey

	A	B	C	D	E	F	G	H	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	f									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

GEOGRAPHIC NAMES

Survey No. T9082

Page 2
Name on Survey

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

added 4-4-51
1.4

GEOGRAPHIC NAMES

Survey No. T-9082 34

Page 3

Name on Survey

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

Names approved

2-26-51

A.J.W.

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 $45^{\circ}43'$ when it should have been $54^{\circ}43'$.

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 *B*
Div. of Photogrammetry

H. E. Menden
Chief, Nautical Chart Branch
Div. of Charts *GFL*

res O. J. Reading
Chief, Div. of Photogrammetry

Carl O. Heston
Chief, Div. of Coastal Surveys *SKT*

NAUTICAL CHARTS BRANCH

SURVEY NO. 9080

Record of Application to Charts

[illegible]

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

SURVEY NO. 9081

Record of Application to Charts

[illegible]

M-216A-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.

410

9082

Record of Application to Charts

[illegible]

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.

(LVL)
Examined 9080-1-2 for critical changes. ... made, Oct. 1209 H.F.S.

" 9080

Chart 347:
added piling (soft Oak
Bluffs & in Vineyard Haven
harbor) - to be completely
applied when 347 is
reconstructed. 7-9-51
N.E.

" 9081

" " " : No Corr'n, Ch 347, see above:
7-9-51
N.E.