

**T-10641**

ORIGINAL  
VAULT

**T-10641**

**T-10641**

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
<b>DESCRIPTIVE REPORT</b>	
Type of Survey	<b>PLANIMETRIC</b>
Field No.	Office No. <b>T-10641</b>
LOCALITY	
State	<b>MASSACHUSETTS</b>
General locality	<b>MARTHA'S VINEYARD</b>
Locality	<b>VINEYARD HAVEN</b>
<u>1955-1961</u>	
CHIEF OF PARTY <sup>field</sup> <b>I. R. Rubottom</b> Chief of Party <b>Arthur L. Wardwell, Tampa Photo. Office</b>	
LIBRARY & ARCHIVES	
DATE	

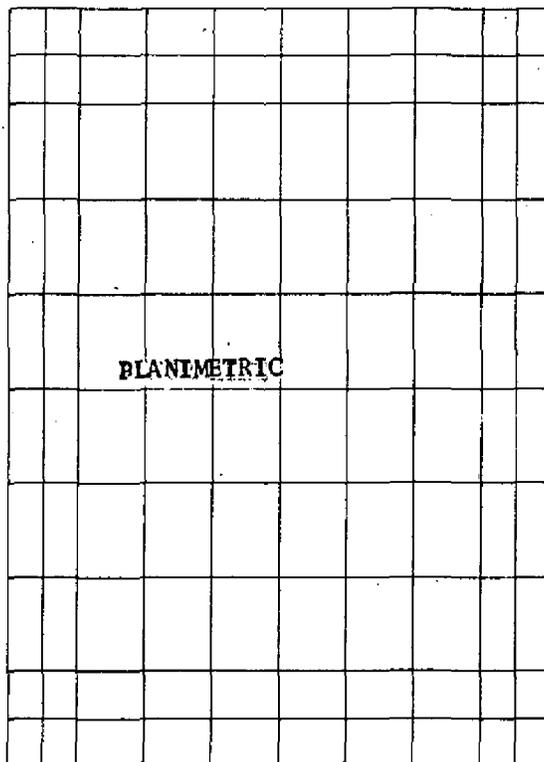
## DESCRIPTIVE REPORT - DATA RECORD

T-10641

①

SUBJECT NO. (II): PH-116		
FIELD OFFICE (III): East Providence, R.I.		CHIEF OF PARTY I.R. Rubottom
PHOTOGRAMMETRIC OFFICE (III): Tampa, Florida Baltimore, Md.		OFFICER-IN-CHARGE A.L. Wardwell W.E. Randall
INSTRUCTIONS DATED (II) (III): Field, Supp. II, 9 July 1953 Field, Supp. III, 11 Aug. 1953 Field Amendment, 30 Nov. 1955 Field Supp. IV, 17 April 1956 Office, 21 May 1957 Office, Supp., 8 May 1961		
METHOD OF COMPILATION (III): Kelsh - 1957 Graphic - 1961 (revision)		
MANUSCRIPT SCALE (III): 1:10,000	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:4,600	
DATE RECEIVED IN WASHINGTON OFFICE (IV): Dec. 30, 1957	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):	
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III): N.A. 1927	VERTICAL DATUM (III): <del>MEAN TIDE LEVEL</del> EXCEPT AS FOLLOWS: MHW. 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): Lambert		
LAT.:	LONG.:	<input type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): y = 161,531.78ft.      x = 184,839.99ft.	STATE Mass.	ZONE Island
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.		

DESCRIPTIVE REPORT - DATA RECORD



41° 25.5'

Areas contoured by various personnel 70° 23.5'  
 (Show name within area)  
 (II) (III)

DESCRIPTIVE REPORT - DATA RECORD

T-10641

FIELD INSPECTION BY (II):  J.R. Smith		DATE: April and June 1956
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  Entire shoreline revised in 1961 with 1961 color and infrared tide controlled photography.		
PROJECTION AND GRIDS RULED BY (IV):  W.O.		DATE
PROJECTION AND GRIDS CHECKED BY (IV):  W.O.		DATE
CONTROL PLOTTED BY (III):  W.O.		DATE
CONTROL CHECKED BY (III):  W.W. Dawsey		DATE Oct. 1957
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): No bridge or plot - Kelsh models controlled by identified control		DATE
STEREOSCOPIC INSTRUMENT COMPILATION (III):  W.W. Dawsey	PLANIMETRY	DATE Sept. - Oct., 1957
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): W.W. Dawsey J.C. Richter (revision)		DATE Oct. 1957 July 1961
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): M.M. Slavney R. Glaser (revision review)		DATE Oct. 1957 July 1961
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **Wild C&S**

Number	Date	Time	Scale	Stage of Tide
55-W-5127	15 March 1955	10:57	1:25,000	0.2
55-W-5128	"	10:57	"	"
55-W-5121	"	10:53	"	"
55-W-5122	"	10:53	"	"
55-W-5123	"	10:54	"	"
55-W-5110	"	10:46	"	"
55-W-5111	"	10:46	"	"
55-W-5112	"	10:47	"	"

Tide (III)  
Predicted

Reference Station: **BOSTON**  
Subordinate Station: **East Chop**  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
-	9.5	11.0
0.18	1.7	2.0

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

Date: **06T, 1965**

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **11**

Shoreline (More than 200 meters to opposite shore) (III): **21 miles \***

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

Control Leveling - Miles (II): **None**

Number of Triangulation Stations searched for (II): **27** Recovered: **13** Identified: **7**

Number of BMs searched for (II): **7** Recovered: **6** Identified: **1**

Number of Recoverable Photo Stations established (III): **None**

Number of Temporary Photo Hydro Stations established (III): **None**

Remarks: One (1) Massachusetts Traverse station is included in triangulation stations searched for, recovered and identified.

All bench marks searched for are tidal bench marks.

REVISION PHOTOGRAPHS

COLOR:

Number	Date	Time	Scale	OBSERVED TIDE
61-S-6669 thru 6673	4-15-61	16:29	1:10,000	+0.4 (low water)
61-S-6676 thru 6681	4-15-61	1734	1:10,000	+0.4 " "
61-S-6708 thru 6710	4-15-61	1705	1:15,000	+0.4 " "

INFRARED

61-L-1552 thru 1554	4-9-61	1631	1:10,000	-0.2 (high water)
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\* Shoreline revised: 19 miles

# SHORELINE MAPPING PROJECT PH-116

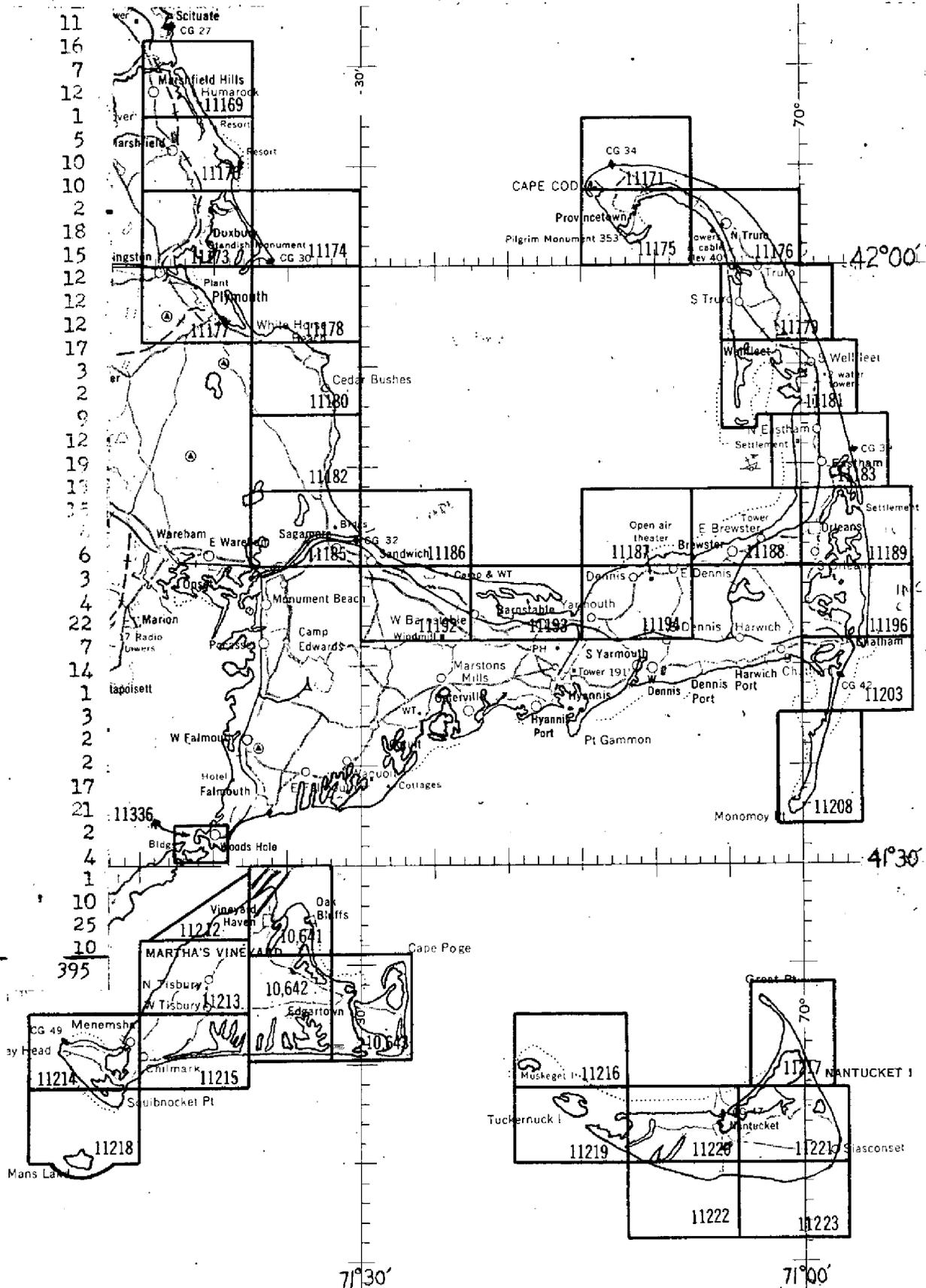
## CAPE COD, MASS.

(5)

### Official Milage for Cost Accounts

Station Lin. Mi. Area  
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	25
11196	14	7
11203	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	18	10
10642	12	25
10643	40	10
<b>TOTALS</b>	<b>607</b>	<b>395</b>



Summary to Accompany Descriptive Reports  
 T-11212 through T-11215  
 T-11218 and T-10641 through T-10643

The subject surveys are a part of Project PH-116. The project, comprised of forty shoreline surveys, scale 1:10,000, covers (1) Cape Cod Bay shoreline, (2) approximately one half of the east shore of Cape Cod, (3) No Mans Land Island, and (4) the islands of Nantucket and Martha's Vineyard. The subject maps cover Martha's Vineyard and No Mans Land Islands.

Several methods have been used in compiling these maps; and, in addition, ~~they have been revised several times~~ by both graphic and B-8 methods. This summary gives a general account of the compilation and revision procedures and makes recommendations concerning possible future use of the maps.

For the original basic compilations, supplemental control was established in part by stereoplanigraph bridge. Outside of the bridged area Kelsh models were set on identified triangulation stations. Map information on black-line impressions of T-8081, T-8082, and T-8083 was either revised or verified using a combination of control established by the bridge and Kelsh models. PH-116 designations for the revised maps are T-10641, T-10642, and T-10643. New projections were ruled for T-11212 through T-11215, and T-11218.

The maps were revised by graphic methods with 1961 infrared and color photography-in 1961 to provide topography for chart drawings 261, scale 1:20,000 and 264, scale 1:40,000, (Project 6102).

At the time PH-6102 was planned there were no requirements for support of hydrography. Requirements for hydro support in 1965 are discussed in subsequent sections of this Summary. As noted in the Descriptive Reports for the PH-116 maps, errors in the positions of some bridge points were found during compilation. Kelsh models, adjusted to identified control, were used to compile the areas improperly controlled by the bridge.

The revised shoreline maps were reduced and applied in the Photogrammetry Division to new chart bases for Charts 261

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and 264. Copies of the bases (Chart Compilation manuscripts) were registered as T-12497 and T-12499.

Prior to registration and to forwarding copies to the Marine Charts Division, the new maps (T-12497 and T-12499) were reviewed in the Washington Office. Considerable rock information was added at that time - directly to new map T-12499 by vertical projector.

Copies of the PH-116 shoreline maps were required for hydro support in 1965. Due to the incompleteness of rock information, applied during revision in 1961, the along-shore areas of maps T-11212 through T-11215, and T-11218 were again revised with the 1961 color photography using a B-8 instrument. Maps T-10641 through T-10643 were complete, requiring no further work.

The maps required for hydro support were: T-11214; T-11215; T-11218; T-10642; and T-10643. Additional work accomplished in 1965 included the revision of shoreline for the preceding maps - 1964 panchromatic photography by B-8 instrument. Revision surveys RS-770 (T-11214), RS-771 (T-11215), RS-772 (T-11218), RS-816 (T-10642), and T-10643A (T-10643) were produced.

Except for T-10643A the revisions surveys reflect only shoreline changes that occurred between 1961 and 1964. An error in datum in T-10643 was found during application of the 1964 photography. The substandard area was re-plotted (radial plot) with the 1964 photography. The revision survey, T-10643A, reflects both the corrected datum and shoreline changes that occurred between 1961 and 1964.

In compiling T-10643A only the features visible on the 1964 panchromatic photography were shown. During the subject final review it was noted that some features (three rocks, piers, wrecks, etc.) shown on T-10643 are not shown on T-10643A. The three rocks were carried forward to the revision survey during review; however, a field edit would be necessary to resolve all discrepancies in cultural features located along the shoreline - portions of some piers, as an example, may still exist as underwater hazards.

T-10643 will be registered since it is the source of topography for Charts 261 and 264.

The error in datum in map T-10643 and the difference in rock information between two registered sources covering

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the west side of Martha's Vineyard Island will be called to the attention of the Marine Charts Division.

During the 1965 revision of the shoreline maps covering the west side of Martha's Vineyard Island (1961 photography, by B-8 instrument) evidence of possible local errors in datum approaching the allowable error of 0.5 mm were noted. While the maps to be registered meet Bureau requirements (hydrography and charting), for accuracy, further revision may possibly result in substandard products.

*A. H. Blankenship*

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FIELD INSPECTION REPORT  
Project 27190  
Map T-9080

Please refer to the Field Inspection Report for Map T-11212  
for all data pertaining to this map.

*Leo F. Beugnet*  
Leo F. Beugnet  
Cartographic Survey Aid

Approved:  
*I. R. Rubottom*  
I. R. Rubottom  
Chief of Party



COMPILATION REPORT T-10641

PHOTOGRAMMETRIC PLOT REPORT

21 through 30

No bridge was run; sufficient control was identified to adequately control the models.

31. DELINEATION

The Keish plotter was used. Delineation was done on a black line impression of T-9080 (T-10641). Shoreline and interior changes and additions were made in red ink (rough draft only). The field inspection was adequate.

32. CONTROL

All control was held.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

The drainage was delineated as interpreted from the photographs and notes furnished by the field inspector.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was satisfactory for delineation of shoreline features. The low-water line was shown according to the field inspection.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

Forms 567 are submitted for Landmarks, Nonfloating Aids, and Landmarks for Aeronautical Charts.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

There is no contemporary survey to the north and east. A satisfactory junction was made with T-10642 to the south. Junctions with T-11213 and T-11212 to the west are satisfactory.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with two U. S. Geological Survey topographic quadrangles: EDGARTOWN, MASS. and VINBYARD HAVEN, MASS. Scales 1:31,680, surveyed in 1942, revised 1951. Only minor differences were noted.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with C&GS Chart No. 347, scale 1:10,000, corrected to August 25, 1955. Only minor differences were noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

*W. W. Dawsey*  
W. W. Dawsey  
Carto Photo Aid

APPROVED AND FORWARDED:

*Arthur L. Wardwell*  
Arthur L. Wardwell,  
Chief of Party

(14)

SUPPLEMENTAL COMPILATION REPORT ~~and~~  
T-10641

Ratio prints of the infrared photography were used to revise the high-water line by holding details common to both the manuscript and the photographs.

The approximate low-water line and the apparent edge of shallow areas were delineated by office interpretation on overlays from the 1:10,000 and 1:15,000 scale color photographs. These details were then transferred to the manuscript by use of the vertical projector. The low-water line was found to be very close and parallel to the high water line and was therefore omitted.

Piers, groins, bulkheads, piles and other alongshore details as well as buoys were also delineated from the color transparencies.

Respectfully submitted  
6 July 1961

*R. Glaser*

R. Glaser  
Carto. (Photo.)

Approved and forwarded

William E. Randall  
CDR, USN  
Baltimore District Officer

PHOTOGRAMMETRIC OFFICE REVIEW

50.

T. 10641

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

5. Classification label Unclassified

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads MMS 28. Buildings MMS 29. Railroads XX 30. Other cultural features MMS

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

33. Geographic names MMS 34. Junctions MMS 35. Legibility of the manuscript MMS 36. Discrepancy overlay XX 37. Descriptive Report MMS 38. Field inspection photographs MMS 39. Forms MMS

40. M. M. Slavney Reviewer  
William A. Rasure Supervisor, Review Section or Unit  
M. M. Slavney Wm. A. Rasure

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:

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REVIEW REPORT  
T-10641, T-10642, T-10643, T-10643A

62. Comparison with Registered Topographic Surveys

10641	No. 1802 - 1:10,000 - 1888
	No. 4427 - 1:10,000 - 1928
	No. 9080 - 1:20,000 - 1948
10642	No. 2299 - 1:20,000 - 1897
	No. 9081 - 1:20,000 - 1948
10643A	No. 1702 - 1:10,000 - 1866
	No. 2299 - 1:20,000 - 1897
	No. 9082 - 1:20,000 - 1948

The FH-116 surveys supersede the prior surveys for charting purposes in the common areas. Refer to side headings 65 and 66 of this report concerning T-10643 and T-12497.

63. Comparison with Maps of Other Agencies

USGS Quad., Edgartown, Mass. - 1:24,000 - 1951  
USGS Quad., Vineyard Haven, Mass. - 1:24,000 - 1951  
USGS Quad., Tisbury Great Pond, Mass. - 1:24,000 - 1951

No significant differences were noted.

64. Comparison with Contemporary Hydrographic Surveys

Inapplicable

65. Comparison with Nautical Charts

Chart 261 - 1:20,000, revised June 4, 1965

T-12497 (side heading 62) is the source of basis topography for this chart. Refer to side heading 66.

66. Adequacy of Results and Future Surveys

Maps T-10641 and T-10642 meet the National Standards of Map Accuracy and Bureau requirements. Areas of map T-10643 are substandard in datum. These three maps are the source of T-12497 and the basic topography chart 261 (side headings 62 and 65). T-10643A meets the required standards.

A general description of the various procedures used in compiling the subject maps and the related registered map T-12497 are discussed in the "Summary" for this survey. In

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2  
addition, the "Summary" makes recommendations concerning future use of the subject maps as bases for revision.

Reviewed by:

S. G. Blankenbaker  
S. G. Blankenbaker

Approved by:

Charles Jensen  
Chief, Photogrammetric Branch

L. F. Woodcock  
Chief, Photogrammetry Division    Chief, Marine Charts Division

48. GEOGRAPHIC NAME LIST

The Geographic Names were taken from the Nautical Chart, USGS  
Quadrangles and supplemented by names submitted by the field inspector:

BARNES ROAD  
BEACH ROAD  
BRUSH ISLAND

CEDAR NECK  
COAST GUARD RESERVATION  
COUNTY ROAD  
CRYSTAL LAKE

EAST CHOP  
EDGARTOWN ROAD  
EDGARTOWN OAK BLUFFS ROAD  
EASTVILLE

FARM POND  
FRANKLIN ST

GRAVEL ISLAND

HARTS HAVEN  
HAMLIN POND  
HUSSELTON HEAD

LAKE TASHMOO  
LAGOON HEIGHTS  
LAGOON POND  
LAGOON ROAD  
LOVERS ROCK

MAIN STREET  
MARTHA'S VINEYARD GOLF COURSE  
MARTHA'S VINEYARD TABERNACLE  
MASSACHUSETTS  
MINK MEADOWS  
MINK MEADOWS GOLF COURSE

NANTUCKET SOUND

OAK BLUFFS  
OAK BLUFFS HARBOR  
OAK BLUFFS WHARF  
OAK GROVE CEMETERY  
OCEAN PARK  
OKLAHOMA

ROBBINS ROCK

SENGEKONTACKET POND  
SUNSET LAKE

TRADE WINDS FLYING SERVICE  
TRINITY CHURCH

VINEYARD HAVEN  
VINEYARD HAVEN HARBOR  
VINEYARD HAVEN ROAD  
VINEYARD HIGHLANDS  
VINEYARD SOUND

WAR VETERANS MEMORIAL PARK  
WEST CHOP  
WING ROAD  
WOOD ISLAND

*Names checked  
and approved  
5-15-65  
A. J. Wright*



NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  
~~TO BE DELETED~~

STRIKE OUT ONE

12 December 1957

Tampa Photogrammetric Office

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

The positions given have been checked after listing by W. W. Dawsey

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE *		LONGITUDE *		DATUM							
			° /	'	° /	'								
STATE	MASSACHUSETTS	Arthur L. Wardwell Chief of Party.												
LIGHT	Vineyard Haven Breakwater		41	27	26.77	70	35	48.76	N.A. 1927	1956	X	X	249, 347 1209	
LIGHT	Oak Bluffs N. Breakwater (Jetty Light, red, 1928)		41	27	39.56	70	33	26.68	"	1928	X	X	246, 347 1209	
LIGHT	East Chop (East Chop Lighthouse, 1904)		41	28	12.548	70	34	04.724	"	1904	X	X	346, 347 1209	
LIGHT	West Chop (West Chop Lighthouse, 1904)		41	28	357.1	70	36	01.107	"	1904	X	X	249, 347 1209, 1210	
CUPOLA	Oak Bluffs High School Ht 63 (90) Ft		41	27	19.90	70	34	03.45	Photo 61 L 1552	9/27/61	X	X	1209, 261 264	
DOME	Marthas Vineyard Tabernacle - Dome Topped Cupola w/cross Ht 90 (102) Ft		41	27	61.4 19.68	70	33	38.69 09.78	Photo 61 L 1553	9/27/61	X	X	1209, 261 264	

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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

PHOTOGRAMMETRIC REVIEW BRANCH

**NONFLOATING AIDS OR LANDMARKS FOR CHARTS**

**TO BE CHARTED**  
~~**TO BE DELETED**~~

STRIKE OUT ONE

Tampa Photogrammetric Office 12 December 1957  
1961

I recommend that the following objects which have ~~(been noted)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted form)~~ the charts indicated.  
The positions given have been checked after listing by

W. M. Dawsey

Arthur I. Wardwell Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE *		LONGITUDE *							
				° ' "	D. M. METERS	° ' "	D. P. METERS						
MASSACHUSETTS	STANDPIPE	Steel, Water ht = 76 (176) (Lagoon Heights Water Tower, 1904)		41 26	706.5	70 34	1199.5	N.A. Tri. T-10641	1904	X	X	X	347, 1209
		NOTE: This landmark is now charted as "Water Tower". STAMPPIPE is a better charting name.											
	CUPOLA	Martha's Vineyard Hotel (wood) ht = 65 (74)		41 27	256	70 33	373	Kelsh Plotter T-10641	1956	X			346, 347
	TOWER	Stone, water ht = 30 (149) (Vineyard Haven Yellow Stone Water Tower, 1932)		41 26	1336.9	70 36	1140.9	Tri. T-10641	1932	X	X		249, 347 1209, 1210
	CUPOLA	OAK BLUFFS HIGH SCHOOL HT 63(90) FT		41-27	1980 614	70-34	03.45 80	PHOTO PLOT 614- 1552	9/27/61	X	X	X	1209, 261 264
	DOME	MARTHA'S VINEYARD TABERNACLE - DOME TOPPED CUPOLA w/FRS ht 90(102) ft		41-27	1968 607	70-33	38.69 898	" 614 4553	9/27/61	X	X	X	1209, 261 264

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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

