

12499 \*

Diag. Cht. Nos. 1209-2 & 1210-2.

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
<b>DESCRIPTIVE REPORT</b>	
Type of Survey <u>Chart 264</u>	
Field No. <u>Ph-6102</u>	Office No. <u>T-12499</u>
<b>LOCALITY</b>	
State <u>Massachusetts</u>	
General locality <u>Cape Cod</u>	
Locality <u>Martha's Vineyard</u>	
<u>1961</u>	
<b>CHIEF OF PARTY</b> J.K.WILSON, Chief of Field Party W.E.RANDALL, Balto. District Officer	
<b>LIBRARY &amp; ARCHIVES</b>	
DATE <u>May 1964</u>	

USCOM-DC 5087

\* Refer to Special Addendum,  
Page 29 of this report

66121  
12499

DESCRIPTIVE REPORT - DATA RECORD

T-12499  
V/ Chart 264

①

Project No. (II): Ph-6102

Quadrangle Name (IV):

Field Office (II): Hyannis, Massachusetts

Chief of Party: J. K. Wilson

Photogrammetric Office (III): Baltimore, Maryland

Officer-in-Charge: William E. Randall

Instructions dated (II) (III): May 10, 1961

Copy filed in Division of  
Photogrammetry (IV)

Method of Compilation (III): Graphic and Kelsh

Manuscript Scale (III): 1:40,000

Stereoscopic Plotting Instrument Scale (III): 1:20,000

Scale Factor (III): 1.000

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV): 1:40,000

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III):

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=

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

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Field Inspection by (II): J. K. Wilson (bluffs)

Date: August 1961

Planetable contouring by (II):

Date:

Completion Surveys by (II): J. K. Wilson

Date: October 1961

\* REFER TO PAGE 9 OF THIS REPORT

Mean High Water Location (III) (State date and method of location): April 9, 1961 - infrared high water photography.

Projection and Grids ruled by (IV): J. D. C.

Date: 7/14/61

Projection and Grids checked by (IV): S. Blankenbaker

Date:

Control plotted by (III):

Date:

Control checked by (III):

(J. C. Richter  
(J. Honick  
(J. Y. Council  
(R. M. Whitson  
(C. A. Lipscomb

Date: 2/6/62

Radial Plot or Stereoscopic Control extension by (III):

R. Glaser

Date: 3/1/62

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III):

Date:

Photogrammetric Office Review by (III):

Date:

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

(4)

Camera (kind or source) (III): C&GS S, L and M Cameras

AERIAL PHOTOGRAPHY WAS COORDINATED WITH TIDE STAFF READING PHOTOGRAPHS (III)

Number Date Time Scale Stage of Tide

Refer to project layout. \*\* SEE PAGE 9 OF THIS REPORT

Number	Date	Time	Scale	Stage of Tide
INFRARED				
61L 1504-13	APRIL 9-1961	15:33	1:30,000	MHW GAY +0.4 ft.
61L 1515-22	"	15:46	"	"
COLOR				
61S 6574-82	"	08:54	1:15,000	MLW GAY +0.8 ft.
6584-90	"	09:08	1:10,000	GAY +0.8 ft.
7667-75	MAY-3-1961	16:15	1:15,000	BITE +0.2 ft.
7676-87	"	16:42	"	BITE +0.3 ft.
7688-01	"	16:56	"	BITE +0.4 ft.
7779-98	MAY-5-1961	06:45	"	BITE +0.1 ft.
7799-12	"	06:52	"	BITE +0.15 ft.

Observed

Ratio of Ranges	Mean Range	Spring Range
	1.7	2.0

Reference Station:  
Subordinate Station: Oak Bluffs  
Subordinate Station:

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

Date: SEPT-1962

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III):  
Shoreline (More than 200 meters to opposite shore) (III):  
Shoreline (Less than 200 meters to opposite shore) (III):  
Control Leveling - Miles (II):  
Number of Triangulation Stations searched for (II):  
Number of BMs searched for (II):  
Number of Recoverable Photo Stations established (III):  
Number of Temporary Photo Hydro Stations established (III):

Recovered: Identified:  
Recovered: Identified:

Remarks:

61M -019 thru 021  
023 thru 025 APRIL 15, 1961  
026 " 027  
031 " 038

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COMPILATION RECORD	COMPLETION DATE	REMARKS
1. Compilation Incomplete	8/31/61	Information copy, Washington Office and field party - SUPERSEDED
2. Compilation Incomplete	10/6/61	Copy for field edit SUPERSEDED
3. Application of field edit incomplete	11/22/61	Copy for Chart Division - SUPERSEDED
4. Compilation Complete. Field edit complete.	3/1/62	Copy for Photogrammetry Division

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT  
CHART DRAWING 264  
TOPOGRAPHY

T-12499

The compilation of topography on chart drawing 264 is one of eleven similar chart drawing compilations ranging in scale from 1:5,000 to 1:80,000 in project PH-6102. The project, initiated to test the practicability of compiling nautical chart topography by photogrammetric methods for nautical charts, covers the south shore of Cape Cod, the Elizabeth Islands, Marthas Vineyard Island and Nantucket Island.

"Chart Histories" (Nautical Charts Division forms) listing the sources of topographic information and "Landmarks and Aids to Navigation" forms for each chart are included in the Descriptive Reports prepared for the 11 chart drawings of topography. The original chart histories and 567 forms (1 chart letter) will be furnished the Nautical Chart Division.

A summary of the major project work phases and general descriptions of methods used is included in the Project Completion Report.

FIELD EDIT AND FINAL REVIEW CORRECTIONS ON MARTHAS VINEYARD, APPLIED TO THE PHOTOGRAMMETRY DIVISION FILE COPY OF CHART 264 IN RED INK, WERE TRANSFERRED TO THE ORIGINAL DRAWING BY THE NAUTICAL CHART DIVISION.

FINAL REVIEW AND FIELD EDIT CORRECTIONS APPLIED TO DRAWINGS 263, 348 AND 260, IN THE ELIZABETH ISLANDS AREA COMMON WITH CHART 264, WERE TRANSFERRED, DURING FINAL REVIEW, TO THE PHOTOGRAMMETRY DIVISION FILE COPY IN RED INK. A COPY OF 264 SHOWING THESE CORRECTIONS IN RED WILL BE FURNISHED THE NAUTICAL CHART DIVISION.

\* SECTIONS OF CHART DRAWING 264 WERE COMPILED FROM LARGER SCALE DRAWINGS. FIELD EDIT DATES ARE INCLUDED IN THE DESCRIPTIVE REPORT FOR EACH DRAWING AND IN THE CHART HISTORY FOR THE SUBJECT DRAWING. REFER TO FORMS 567 INCLUDED IN THE REPORTS FOR LATER VERIFICATION DATES OF LAND MARKS AND AIDS

CHART NO.	FIELD EDIT DATE
263	SEPT. 1962
348	MAY 1962
260	MAY 1962
261	OCT 1961

\*\* REFER TO THE DESCRIPTIVE REPORTS FOR DRAWING 263, 348; 260; 261 FOR PHOTOS USED IN COMPILATION & STAGE OF TIDE

COMPILATION REPORT

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CHART 264  
T-12499

FIELD REPORT: Refer to Field Edit Report, Eastern Half of Martha's Vineyard, which is part of the Descriptive Report for Chart 261. See also field report for project Ph-116 dated 1956 (part of Descriptive Report for survey T-11212).

The results of bluff inspection were furnished on copies of Charts 1209 and 1210.

PHOTOGRAMMETRIC PLOT REPORT: The plot report for the area of the Elizabeth Islands is part of the Descriptive Report for Chart 348.

The plot report for the area of Martha's Vineyard is part of the Descriptive Report for survey T-11215.

31. DELINEATION

In the area of Martha's Vineyard, the west half was compiled from photographic reductions of planimetric surveys which are part of project Ph-116. The east half of the island was compiled from a photographic reduction of Chart Drawing 261.

In the area of the Elizabeth Islands, reductions of Chart Drawings 260 and 263 were used. An area between Robinsons Hole and Tarpaulin Cove was compiled in the Kelsh and reduced to chart scale.

The delineation of landmark buildings is based on field edit recommendations.

32. CONTROL

Refer to the photogrammetric plot report and the notes for Strips 1, 2 and 3.

33. SUPPLEMENTAL DATA

The data used in the compilation are listed on the history form, copy of which is attached.

34. CONTOURS AND DRAINAGE

No comment.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline is based on office interpretation of the infrared photographs which were taken at high tide. The low water line and other details were office interpreted from the color photography.



Bluffs recommended by the field party were delineated.

Shallow and shoal areas were pencilled for use during application of hydrography.

36. OFFSHORE DETAILS

The foul lines around the west part of Marthas Vineyard were delineated by the field party.

37. LANDMARKS AND AIDS

Forms 567 were submitted for all charted landmarks and aids. Copies are part of this report.

The positions of identifiable buoys were taken from the color photography.

38. CONTROL FOR FUTURE SURVEYS

It is believed that sufficient details are compiled for future chart corrections.

Supplemental objects for use by the Coast Guard (selected in the field) are submitted on a separate cronaflex copy of the chart drawing.

39. JUNCTIONS

Junctions with Charts 260 and 348 to the north and 263 to the west have been made.

40. HORIZONTAL ACCURACY

No comment.

41. thru 46.

Inapplicable.

47. COMPARISON WITH CHARTS:

Comparison has been made with Charts 1209 (12/9/60) and 1210 (3/27/61).

48. GEOGRAPHIC NAMES

For the convenience of the Chart Division, Mr. Everett suggested that no geographic names be compiled.

Respectfully submitted

*Joseph W. Vonasek*  
Joseph W. Vonasek  
Carto. (Photo.)

Approved and forwarded

*William E. Randall*

William E. Randall  
CDR, C&GS  
Baltimore District Officer

FIELD EDIT REPORT  
Project Ph-6102  
Marthas Vineyard, Mass.  
Chart 264

GENERAL NOTES

The area was field edited during the period 11 October thru 25 October 1961. Corrections and additions have been inked on the photographs in black, and referenced on the discrepancy print in purple.

Special areas indicated on the discrepancy print were investigated at or near low water. Levels were run from Tidal Bench Mark 3 at Gay Head to establish the stage of tide. A tidal observer transmitted by Walkie-Talkie the tidal data to the field inspector. Tidal observations were observed on 12 and 13 October between 1500 and 1800, and again on 18 October between 0800 and 1030.

The area along the southwestern shore of Marthas Vineyard from Lake Tashmoo to Squibnocket has a rocky foul area along most of the shoreline. The field inspector, using the 1955 ratio photographs, was able to identify the rocks which bare at low water. The 1955 inspection was found to be incorrect in many places and several rocks had been misidentified. The stage of tide that the 1955 photos were flown was not known by the field inspector; however, it was evident from inspection that they had been flown at a very low tide. Rocks, which bare at high water, photographed white; while all other rocks photographed as black spots. Only those rocks which bare at low water have been circled on the photograph; however, many rocks, which do not bare at low water, could be seen on the photographs.

There are no rock bluffs around the shores of Marthas Vineyard. Some bluff changes are noted on the discrepancy print.

All landmarks for charts and fixed aids to navigation were thoroughly checked and are submitted on form 567 for charting. (Mailed to Washington with field edit data for chart 261). Landmarks for charts were found to be correct except for the following:

TOWER (At Gay Head) - This tower was destroyed in 1959, and is recommended on form 567 for deletion.

HOUSE CHIMNEY - A house with chimney was found at this location, but it is not suitable as a nautical landmark. It is not conspicuous from any direction.

The two fixed aids near Gay Head were verified and are recommended on form 567 for charting.

Several buildings of landmark value have been circled on the photographs in black. A number of supplemental objects suitable for use by the Coast Guard have been identified on the photographs, namely:

	61-L 1523
<i>S. Gable, 1 story grey House</i>	
Chimney, W side, 1 story, grey house	Photo 61 L 1521
Bell Tower, small open, W end, 1½ story grey house	" " 1521
Cupola, 1 story, grey house, white trim	" " 1520
Sw Gable, 1 story, grey house, white trim	" " 1517
Cupola, square, center 2 story grey house	" " 1513
Chimney, 2 story red house, white trim	" " 1516
N Gable, 1½ story white house, dark trim	" " 1516
Cupola, Coast Guard Building, red roof	" " 1512
W Gable, T shaped 1 story grey house, white trim	" " 1511
Chimney, Red brick, no house	" " 1510
W Gable, 2 story grey house, white trim	" " 1509
Chimney, on NE gable 2 story grey house	" " 1508
Chimney, white 2 story grey house, white roof	" " 1507
Chimney, Red, 1 story pyramidal shaped grey house	" " 1506
Center, 1 story pyramidal shaped grey house	" " 1506
Cupola, W end 1 story grey house, white trim	" " 1505
Chimney, White, west one of 6, on center 1 story pyramidal roofed white house	" " 1505
Chimney, white, SW end 2 story grey house	" " 1504

A special Geographic Names Report was mailed to Washington on 19 October 1961. This report covers the entire project.

Field Edit notations are inked on the following photographs:

CONTACT PRINTS

61-L-1504 thru 1513, 1516 thru 1518, 1520 and 1521

RATIO PRINTS

55-W-5081, 5083, 5086, 5089, 5092, 5116, 5119, 5120 and 5121

Submitted by:

*Joseph K. Wilson*  
Joseph K. Wilson  
Chief, Photo Party 720

20 October 1961

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Review Report  
Topography  
Chart Drawing 264

T-12499

61. General Statement

Martha's Vineyard <sup>and</sup> No Man Land Islands were compiled from photographic reductions of PH-116 planimetric maps revised from 1961 color and infra-red photography. Revision was limited to information required for charting. Cronar copies of the advance manuscripts were revised. Supplemental compilation reports were inserted in the Descriptive Reports for the maps.

An entirely new compilation of topography, based on a new bridge, was accomplished in the Elizabeth Islands area.

Larger scale drawings, compiled prior to the subject drawing as a part of Project 20,000-830, were completed first and then applied in common areas. Comparison with registered topographic surveys and/or existing large scale nautical charts and maps of other agencies (in the areas compiled at larger scales) are discussed in the Descriptive Reports for Chart Drawings 263; 348; 260; and 261.

62. Comparison with Registered Topographic Surveys

NO. 192	1:10,000	scale	1845	NO. 1856	1:5,000	scale	1888
203	"	"	1845-1817	1937	1:10,000	"	1896
362	"	"	1853	2388	1:20,000	"	1897-98
1844	2,500	"	1888	2389	"	"	1897-98
1845	1:10,000	"	1888	2390	"	"	1897-98
1846	"	"	1888	2391	"	"	1897-98
				5745	1:10,000	"	1948

All rocks visible on the photographs that could be shown at scale 1:40,000, were delineated. In some instances it is difficult to distinguish between "sunken" and "awash" rocks (rocks having their peaks near MLW) on the color photographs. For this reason discrepancies in symbolization probably exist.

Offshore rocks and interior details are delineated in more detail on the larger scale prior surveys. In some instances in foul areas the new compilation and prior surveys differ in the selection of rocks. Some "rocks awash" on prior surveys, not visible on the color photographs, are possibly sunken. A check by hydrographic launch would be necessary to resolve differences of this nature. This survey supersedes prior bureau surveys for charting purposes at scale 1:40,000.

63. Comparison with Maps of Other Agencies

U.S.G.S. Quad Squibnocket, Mass. 1:24,000 -- No significant differences were noted.

64. Comparison with Contemporary Hydrographic Surveys

Inapplicable

65. Comparison with Nautical Charts

249 15th Ed., revised 2/26/62 1:40,000 scale  
1210 6th Ed., revised 8/8/60 1:80,000 scale

*NO SIGNIFICANT DIFFERENCES WERE NOTED*

66. Adequacy of Results and Future Surveys

This drawing meets the National Accuracy Standards and Bureau requirements.

Reviewed by:

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

Approved by:

*Charles L. ...*  
Chief, Cartographic Branch

*J. E. Waugh 11/31/64*  
Chief, Photogrammetry Division

CHART 264  
DRAWING SHEET 1  
PROJECT PH 6102

HISTORY OF CARTOGRAPHIC WORK - NAUTICAL CHART BRANCH FILES

REMARKS (over)

LITH. Rec'd.  
LITH. Ver.  
PRINT DATE

TO REPRODUCTION  
NC NE NP RP T.O.  
DATE

NC REC CORR FUTURE  
DATE

APPLIED Part Full	SOURCE OF INFORMATION			Type of Information	LOCALITY	INFORMATION APPLIED			
	File No.	Date	Authority						
1	Descriptive Reports T-10641, T-10642 T-10643, T-11213 T-11214, T-11215	Oct. 1957 to Mar 1958	C&GS	Landmarks and aids	Martha's Vineyard	Positions of landmarks, fixed aids. The positions (verified by photogrammetric methods during compilation) were checked by the field editor Refer to item No 11 of this history.			
2	T-10641 (photo 61-L-1504)	Revised to 1961	C&GS	Topo	Along longitude 70° 37' 30"	Topography (planimetric detail)			
3	T-10642 (photo 61-L-1522)	Revised to 1961	C&GS	Topo	Along longitude 70° 37' 30"	Topography (planimetric detail)			
4	T-11212 (photos 61-L-1504-1506 61-S-1779-7784)	Revised to 1961	C&GS	Topo	Norton Point	Topography (planimetric detail)			
5	T-11213 (photos 61-L-1506-1509 61-M-019-021 61-S-7785-7790)	Revised to 1961	C&GS	Topo	Cape Higgon	Topography (planimetric detail)			
6	Annotated Charts 1209, 1210	Aug 1961	C&GS	Bluffs	Entire Chart	Bluff inspection data			
16									
Items	Compiled by	Started	Completed	Time (hrs.)	Items	Verified by	Started	Completed	Time (hrs.)
1	J.C. Richter	8/29/61	8/29/61	8	1	J.L. Vonasek	8/29/61	8/29/61	8
2-6	J.C. Richter	8/21/61	8/23/61	24	2-6	R. Glaser	9/22/61	9/29/61	24

CHART 264

DRAWING

SHEET 2

PROJECT PH-6102

HISTORY OF CARTOGRAPHIC WORK - NAUTICAL CHART BRANCH FILES

NC REC CORR FUTURE

DATE

TO REPRODUCTION

NC NE NP RP T.O. DATE

LITH. Rec'd.  
LITH. Ver.  
PRINT DATE

REMARKS (over)

No 925

APPLIED Part File	SOURCE OF INFORMATION		LOCALITY	Type of Information	INFORMATION APPLIED			
	File No.	Date						
7	F11214 (photos)	Revised CoGS to 1961	Gay Head	Topo	Topography (planimetric detail)			
	61-L-1510-1518							
	61-M-023-025							
	031-034							
	64-S-6574-6582							
	7667-7675							
	7683-7693							
	7791-7804							
8	T-11215 (photos)	Revised CoGS to 1961	Chilmark	Topo	Topography (planimetric detail)			
	61-L-1519-1521							
	61-M-035-038							
	61-S-7694-7701							
	7805-7812							
9	T-11218 (photos)	Revised CoGS to 1961	No Man's Land	Topo	Topography (planimetric detail)			
	61-L-1513							
	61-M-026, 027							
	61-S-6580-6590							
	7673-7682							
10	Chart Drawing Oct 1961	CoGS	East end, Martha's Vineyard	Topo	Topography (planimetric detail)			
	Z61							
Items	Compiled by	Started	Time (hrs.)	Completed	Verified by	Started	Completed	Time (hrs.)
7-9	J.C. Richter	8/24/61	72	9/6/61	R. Glaser	9/29/61	10/10/61	56
10	J. Honick, J. Council	10/3/61	47	10/11/61	R. Glaser	10/30/61	10/11/61	8

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CHART 264

DRAWING

SHEET 4

PROJECT PH-6102

HISTORY OF CARTOGRAPHIC WORK - NAUTICAL CHART BRANCH FILES

NC REC CORR FUTURE

TO REPRODUCTION

LITH. Rec'd.

NC NE NP RP T.O.

LITH. Ver.

DATE

DATE

PRINT DATE

REMARKS (over)

APPLIED	SOURCE OF INFORMATION			LOCALITY	Type of Information	INFORMATION APPLIED			
	File No.	Date	Authority						
Part Full	15 Photos	Jan 1962	CGS	Robinson's Hole to Tarpaulin Cove	Topo	Topography (planimetric detail) compiled in Kelsch ditto and vertical projector			
	61-5-6503, 6504								
	6537, 6538								
	61-L-1483 thru 1485								
	16 Chart Drawing	Jan 1962	CGS	Tarpaulin Cove to Wood's Hole	Topo	Topography (planimetric detail) See compilation report for Chart 260			
	260								
	17 Field Edit	Oct 1961	CGS	Robinson's Hole to Wood's Hole	Topo	Off shore details, blatts see Field Edit print No. 1, Chart 260			
	18 Field Edit								
	Chart Drawings:								
	263	SEPT, 1962	CGS	SEE PROJECT DIAGRAM	TOPO	FINAL REVIEW AND FIELD EDIT CORRECTIONS APPLIED TO THESE DRAWINGS, IN THE ELIZABETH ISLANDS AREA COMPAN WITH CHART 264, WERE TRANSFERRED DURING FINAL REVIEW TO THE PHOTOGRAMMETRY DIVISION FILE COPY IN RED INK. A COPY OF DRAWING 264 SHOWING THE CORRECTIONS IN RED WILL BE FURNISHED THE NAUTICAL CHART DIVISION			
	348	MAY 1962	CGS		TOPO				
	260	MAY 1962	CGS		TOP				
Items	Compiled by	Started	Completed	Time (hrs.)	Items	Verified by	Started	Completed	Time (hrs.)
	15 CA. Lipscomb	1/22/62	1/24/62	19	15-17	R. Glaser	2/26/62	3/1/62	22
	16, 17 CA. Lipscomb	1/29/62	2/6/62	56					19

Location Martha's Vineyard

Scale 1:40,000

Latitude 41° 22'

Major Projection Interval 5'

Minor Projection Interval 1'

Border 1.5 - 1.5 - 7.5

Material Vinylite (0.010)

Dimensions in Millimeters

Limits Lat. 41° 15' to Lat. 41° 31' ; Long. 70° 23' to Long. 70° 53'

Scale at Middle Latitude 41° 22' = 34,862 = 3.4862 cm

Remarks Scale at mid lat (41° 23') = 37990. At this scale chart can be perfectly joined to chart 265

Computed by J.E.

Checked by J.M.K.

Machine Setting in Centimeters	East to West West to East	Contin. Sums	Machine Setting in Centimeters (used/signature)	South to North	Contin. Sums
(N.L.) 70° 23'	11.050	0.000	N.L. 41° 15'	12.050	0.000
24'	11.536	34.862	16.670	-16	46.197
70° 25'	18.022	69.724	21.291	-17	46.204
26'	21.509	104.586	25.913	-18	46.221
27'	24.995	129.448	30.536	-19	46.232
28'	28.481	174.310	35.160	41° 20'	46.244
29'	31.967	209.172	39.786	-21	46.252
70° 30'	35.453	244.034	44.413	-22	46.262
31'	38.940	278.896	49.041	-23	46.280
32'	42.426	313.758	53.670	-24	46.292
33'	45.912	348.620	58.300	41° 25'	46.304
34'	49.398	383.482	62.932	-26	46.316
70° 35'	52.884	418.344	67.565	-27	46.328
36'	56.371	453.206	72.199	-28	46.340
37'	59.857	488.068	76.834	-29	46.352
38'	63.343	522.930	81.470	41° 30'	46.364
39'	66.829	557.792	86.108	31	46.376
70° 40'	70.315	592.654			
41'	73.802	627.516			
42'	77.288	662.378			
43'	80.774	697.240			
44'	84.260	732.102			
70° 45'	87.746	766.964			
46'	91.233	801.826			
47'	94.719	836.688			
48'	98.205	871.550			
49'	101.691	906.412			
70° 50'	105.177	941.274			
51'	108.664	976.136			
52'	112.150	1010.998			
53'	115.636	1045.860			



NONFLOATING AIDS ~~ON LANDMARKS~~ FOR CHARTS

TO BE CHARTED  
TO BE REVISED  
TO BE DELETED  
STRIKE OUT TWO

Baltimore, Maryland February 9, 1962

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

The positions given have been checked after listing by Joseph M. Vonasek

REFER TO THE FORMS 567 INCLUDED IN THE DESCRIPTIVE REPORTS  
FOR DRAWINGS 363; 348; 260 FOR LATER VERIFICATION DATES

William E. Randall Chief of Party.

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
				LATITUDE*		LONGITUDE*								DATUM
				D. M. METERS	"	D. P. METERS	"							
West Chop Light (West Chop Lighthouse, 1904)	MASSACHUSETTS			41 28	50.466	70 36	01.107	N.A.	9/27/61	X X X	X X X	219, 260, 261, 264, 1209		
East Chop Light (East Chop Lighthouse, 1904)				41 28	1556.9	70 34	01.724	"	"	X X X	X X X	260, 261, 264, 1209		
Jetty Light, Red 1928				41 27	39.56	70 33	26.68	"	"	X X X	X X X	1209, 261, 264		
Oak Bluffs N. Breakwater Light				41 27	1220.4	70 33	619.2	61-I-1554	"	X X X	X X X	1209, 261, 264		
Vineyard Haven Breakwater Light				41 27	826	70 35	1130	"	"	X X X	X X X	1209, 261, 264		
Cape Poge Light (Cape Poge Lighthouse, 1961)				41 25	11.933	70 27	05.853	"	"	X X X	X X X	1209, 261, 264		
Edgartown Harbor Light (Edgartown Harbor Light, 1956)				41 23	26.697	70 30	12.909	"	"	X X X	X X X	1209, 261, 264		
Meneasha Creek Entrance Jetty Light (GAY HEAD LIGHTHOUSE 1875)				41 21	15.36	70 46	08.82	61-I-1511	10/12/61			1210, 264		
Gay Head Light				41 20	54.002	70 50	07.728	"	"			1210, 264		
Tarpaulin Cove Light (Tarpaulin Cove Lighthouse, 1904)				41 28	1666.0	70 45	179.7	"	"			249, 260, 264		
Nobska Point Light (Nobska Point Lighthouse, 1904)				41 30	07.348	70 45	28.882	"	8/15/51	X X X	X X X	264, 1210		
Great Ledge Daybeacon				41 30	226.7	70 45	670.2	"	"	X X X	X X X	249, 260, 264, 348, 1209, 1210		
HADLEY HARBOUR ENTRANCE DAY BEACON				41 30	56.423	70 39	20.291	61-S-6546	8/16/61	X X X	X X X	249, 260, 264, 348, 1210		
FORBES DAY BEACON				41 30	144.54	70 40	5.78	"	VER.			249, 260, 264, 348, 1210		
				41 30	137.4	70 40	13.4	"	4/27/62	X X X	X X X	"		
				41 30	54.88	70 41	56.84	"	"			"		
				41 30	169.3	70 42	131.8	"	"			"		
				41 30	88.90	70 42	05.69	"	"			"		
				41 30	1200	70 42	132	"	"			"		

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 6-36, Fig. 79. Positions of charted landmarks and non-floating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. 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

~~NONVOLANTING AIDS/OPS~~ LANDMARKS FOR CHARTS

STRIKE OUT TWO

Baltimore, Maryland February 9 1962

TO BE CHARTED  
~~TO BE REVISIONED~~  
~~TO BE DELETED~~

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

William E. Randall Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION SURVEY NO.	DATE OF LOCATION	KABON CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE*		LONGITUDE*		D.A.	N.A.						
				D.M.	SEC.	D.P.	SEC.								
Massachusetts	TOWER	(Vineyard Haven Yellow, Stone, Water Tower 1932) ht 30 (180) Ft		41 26	43.337	70 36	49.148	1927	Tri	9/27/61	X	X	X	1209, 261, 264	
	AERO	Rotating white and green		41 23	21.23	70 36	48.08	55-N-5097	Photo Plot	9/27/61	X	X	X	1209, 261	
	STANDPIPE	(Lagoon Heights Water Tower 1904) ht 76 (176) Ft		41 26	22.901	70 34	51.669		Tri	9/27/61	X	X	X	1209, 261, 264	
	CUPOLA	Oak Bluffs High School ht 63 (90) Ft		41 27	19.90	70 34	03.45	61-L-1552	Photo Plot	9/27/61	X	X	X	1209, 261, 264	
	DOME	Marthas Vineyard Tabernacle topped cupola w/ cross ht 90 (102) Ft	Dome	41 27	19.68	70 33	38.69	61-L-1553	"	"	"	X	X	X	1209, 261, 264
	CUPOLA	Marthas Vineyard Hotel Cupola, Wood ht 65 (74) Ft		41 27	08.30	70 33	15.98	61-L-1553	"	"	"	X	X	X	261, 264
	CH TOWER	(Edgartown Methodist Episcopal Church Tower 1928) White ht 93 (107)		41 23	25.396	70 30	56.687		Tri	9/27/61	X	X	X	1209, 261, 264	
	STANDPIPE	(Edgartown Standpipe 1932) ht 85 (148) Ft		41 22	40.807	70 31	10.876		"	9/27/61	X	X	X	1209, 261, 264	
	HO CUPOLA	(Wasque Pt House Cupola 1932) ht 46 (105) Ft		41 21	39.933	70 28	01.081		"	"	"	X	X	X	1209, 261, 264
	CH SPIRE	(CHILMARK, METHODIST EPISCOPAL CHURCH 1939) White, wood ht 70 (169) Ft		41 20	42.300	70 44	42.144		"	10/12/61	X	X	X	1210	
	LOOKOUT TOWER	Fire, Skeleton steel ht 70 (319) Ft		41 25	26.06	70 40	20.67	61-L-1507	Photo Plot	10/12/61	X	X	X	"	
	CH SPIRE	(GAY HEAD, BAPTIST CHURCH CUFOLA 1887) White, wood spire ht 48 (207) Ft		41 20	27.513	70 48	50.280		Tri	10/12/61	X	X	X	"	
	LORAN TOWER	Skeleton steel, USCC ht 632 (700) Ft		41 20	01.33	70 48	44.60	61-L-1516	Photo Plot	10/12/61	X	X	X	"	
	RADAR TOWER	Grey, skeleton steel ht 86 (380) Ft		41 21	18.87	70 44	09.68	61-L-1519	"	"	"	X	X	X	"

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\* TABULATE SECONDS AND METERS







INFRA-RED PHOTOGRAPHY (HIGH WATER)

FLIGHT NO	PHOTO Nos	SCALE	STAGE OF TIDE
151A	61L-1681 THRU 1695	1:15,000	CHAT 0.0
301	61L-1609 " 1619	1:30,000	CHAT - 0.1
302	1621 " 1623	"	CHAT - 0.4 PORT + 0.1
303	1625 " 1641	"	CHAT - 0.6 PORT - 0.1
304	1652 " 1662	"	PORT - 0.3
305	1644 " 1650	"	PORT - 0.1 YARD - 0.2
306	1530 " 1539	"	YARD - 0.1
307	1496 " 1502	"	WOOD 0.0 BART - 0.2
308	1479 " 1491	"	HOLE BART - 0.2 WOOD 0.0
309	1515 " 1528	"	GAY + 0.4
310	1504 " 1513	"	GAY + 0.4 WOOD 0.0
311	1547 " 1555	"	VINE - 0.2
312	1541 " 1545	"	VINE - 0.2
313	1557 " 1567	"	TUCK - 0.1
314	1589 " 1597	"	TUCK 0.0
315	1599 " 1607	"	TUCK + 0.2
316	1578 " 1587	"	TUCK + 0.15
301	6664 " 6667	"	Chat - 1.0

COLOR PHOTOGRAPHY (LOW WATER)						
FLIGHT No.	PHOTO NOS.		SCALE	STAGE OF TIDE		
151	615-6534 THRU 6549		1:15,000	HOLE + 0.4	WOOD + 0.7	
152	6502	6521	"	HOLE + 0.4		
153	6522	6533	"	HOLE + 0.4		
154	6550	6560	"	HOLE + 0.4	BART + 0.5	
155	<del>6808</del>	6795	"	CHAT + 0.3		
156	6808	6824	"	CHAT + 0.5	PORT + 1.0	
156	7634	7652	"	CHAT + 0.1	PORT + 0.2	
157	6951	6964	"	PORT + 0.3		
158	6965	<del>6981</del>	"	PORT + 0.3		
159	6929	6949	"	PORT + 0.3	YARD + 0.2	
1510	6907	6928	"	PORT + 0.4	YARD + 0.2	
1511	6894	6906	"	YARD + 0.2		
1512	6561	6573	"	BART + 0.55		
1513	7778	7798	"	WOOD + 0.0	BITE + 0.1	
1514	7676	7687	"	BITE + 0.3		
1515	6574	6582	"	GAY + 0.8		
1515	7667	7675	"	BITE + 0.2		
1516	7688	7713	"	BITE + 0.4		
1516	7799	7824	"	BITE + 0.15		
1517	6698	6706	"	VINE + 0.4		
1518	6625	6633	"	TUCK - 0.1		
103	7826	7836	"	WOOD 0.0		
1519	6707	6723	"	VINE + 0.4		
101	6729	6748	1:10,000	CHAT + 0.1		
101	6762	6780	"	CHAT + 0.1		
102	6782	6794	"	CHAT + 0.2		
103	7658	7666	"	WOOD + 0.4		
104	6675	6683	"	VINE + 0.4		
105	6667	6674	"	VINE + 0.4		
106	6685	6697	"	VINE + 0.4		
107	6656	6663	"	TUCK - 0.1		
108	6634	6655	"	TUCK - 0.1		
109	6584	6590	"	GAY + 0.8		
201	6607	6624	1:20,000	TUCK - 0.1		
202	6856	6870	"	YARD + 0.4	WOOD + 0.7	



Special Addendum  
To Accompany Descriptive Reports  
T-12497 and T-12499  
October 1965

Shoreline maps, scale 1:10,000 compiled in 1957-1959, as a part of Project PH-116 are the basic sources of the subject maps (Martha's Vineyard and No Mans Land Islands area). These shoreline maps were revised in 1961 with 1961 tide-controlled infrared and color photography prior to application to T-12497 and T-12499.

Final review of the PH-116 source maps was not accomplished until 1965. Additional work accomplished in 1965 included the revision of copies of maps T-11214, T-11215, T-11218, T-10642 and T-10643 with 1964 photography for hydro support purposes.

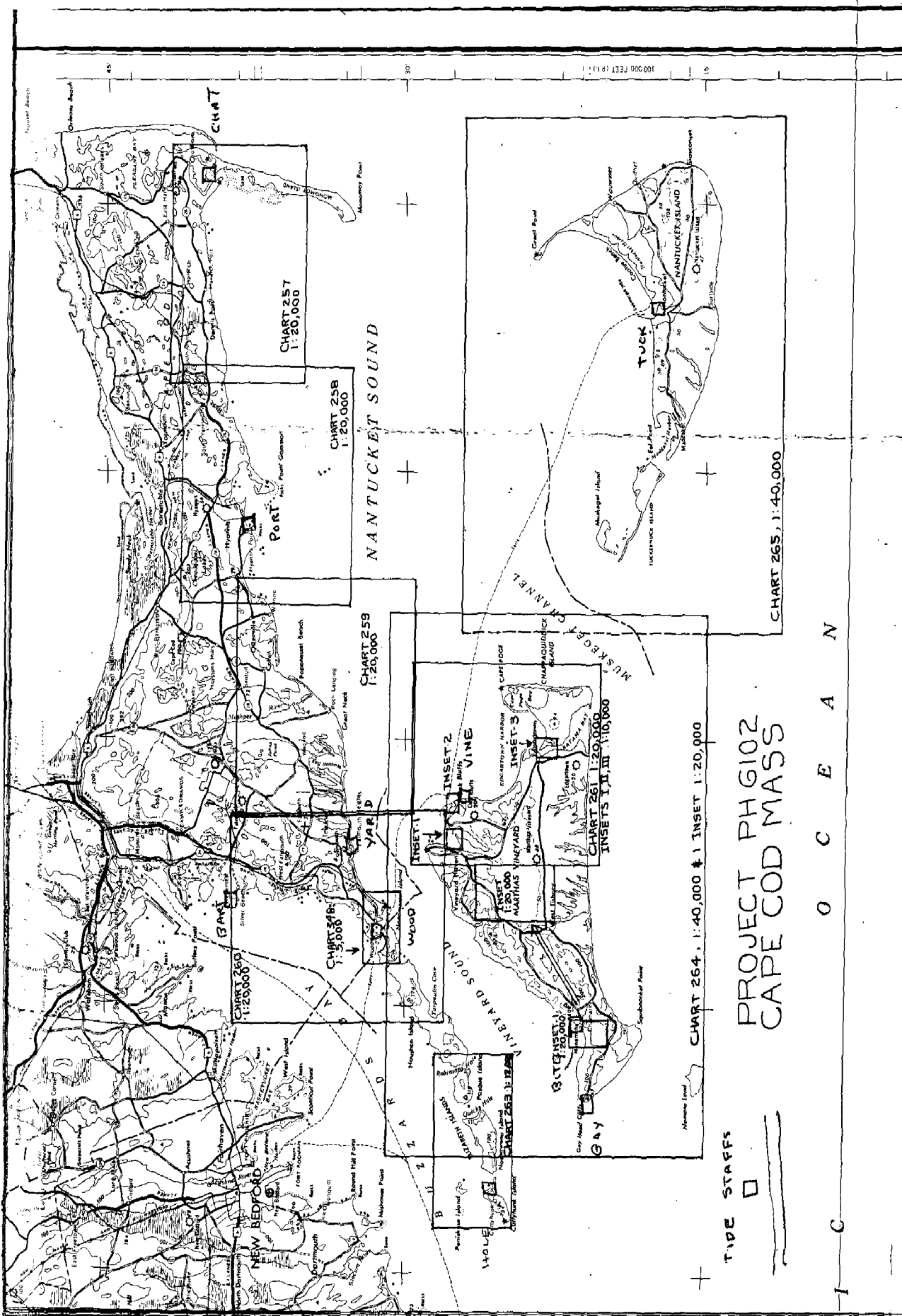
Work accomplished as a part of the final review of PH-116 maps included (1) B-8 instrument revision (1961 color photography) of areas foul with rocks (No Mans Land Island and the western portion of Martha's Vineyard Island), and (2) the recompilation of maps T-10643 (east side of Martha's Vineyard Island). T-10643 does not meet the required standards for horizontal accuracy. A new map, T-10643A was compiled in 1965.

A combined summary for maps T-11212 through T-11215, T-11218 and T-10641 through T-10643 and the final review reports (1) account for the work accomplished during final review (1965), (2) describe the various procedures used in compilation and revision, (3) and, make a recommendation concerning future use of the maps.

The Nautical Chart Division was informed, in 1965, of the work accomplished during the final review of the subject shoreline maps.

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

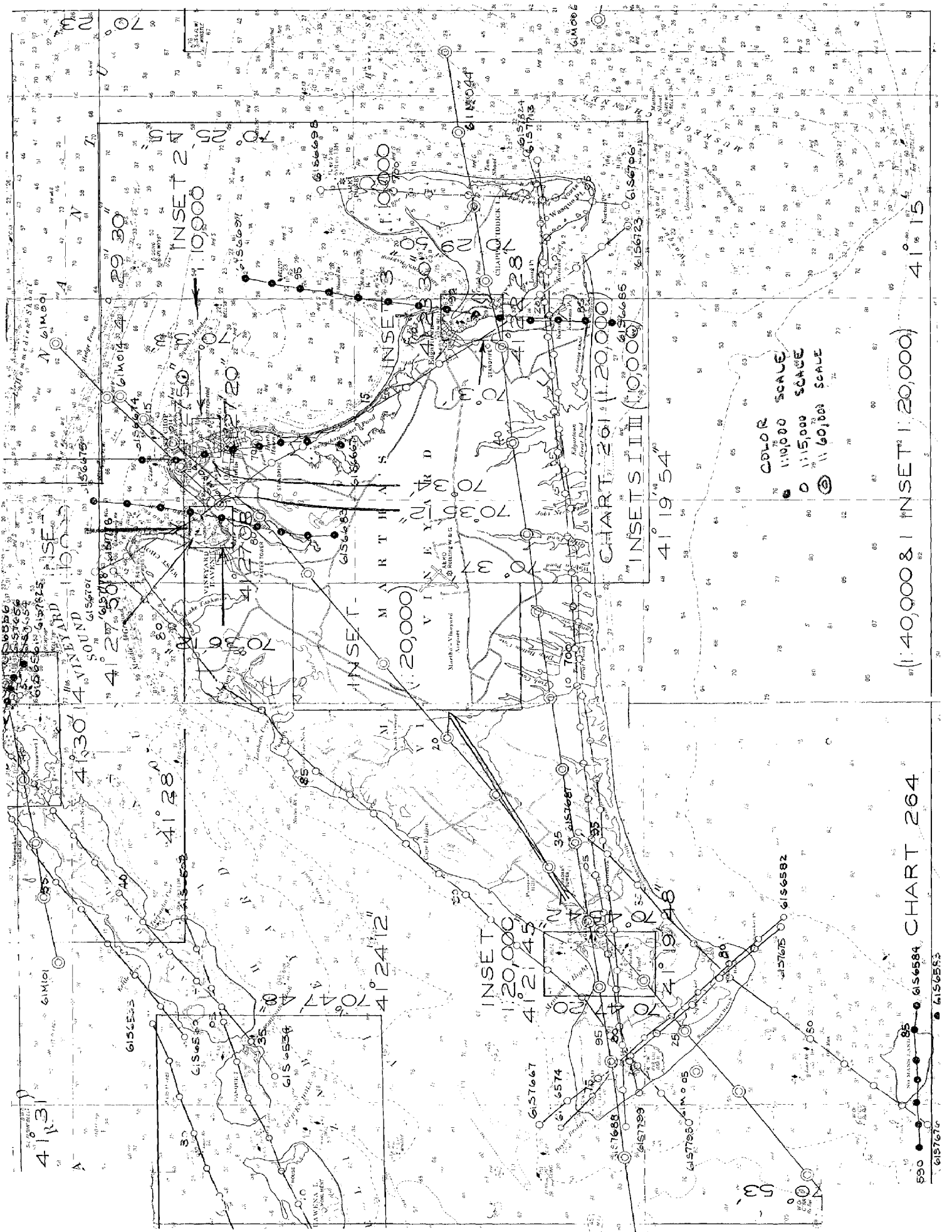
Oct. 1965



PROJECT PH G102  
CAPE COD MASS

TIDE STAFFS  
□

I C O C E A N



COLOR SCALE  
 1:10,000 SCALE  
 1:15,000 SCALE  
 1:60,000 SCALE

CHART 264  
 INSETS I & II (1:20,000)

CHART 264

615655

615655

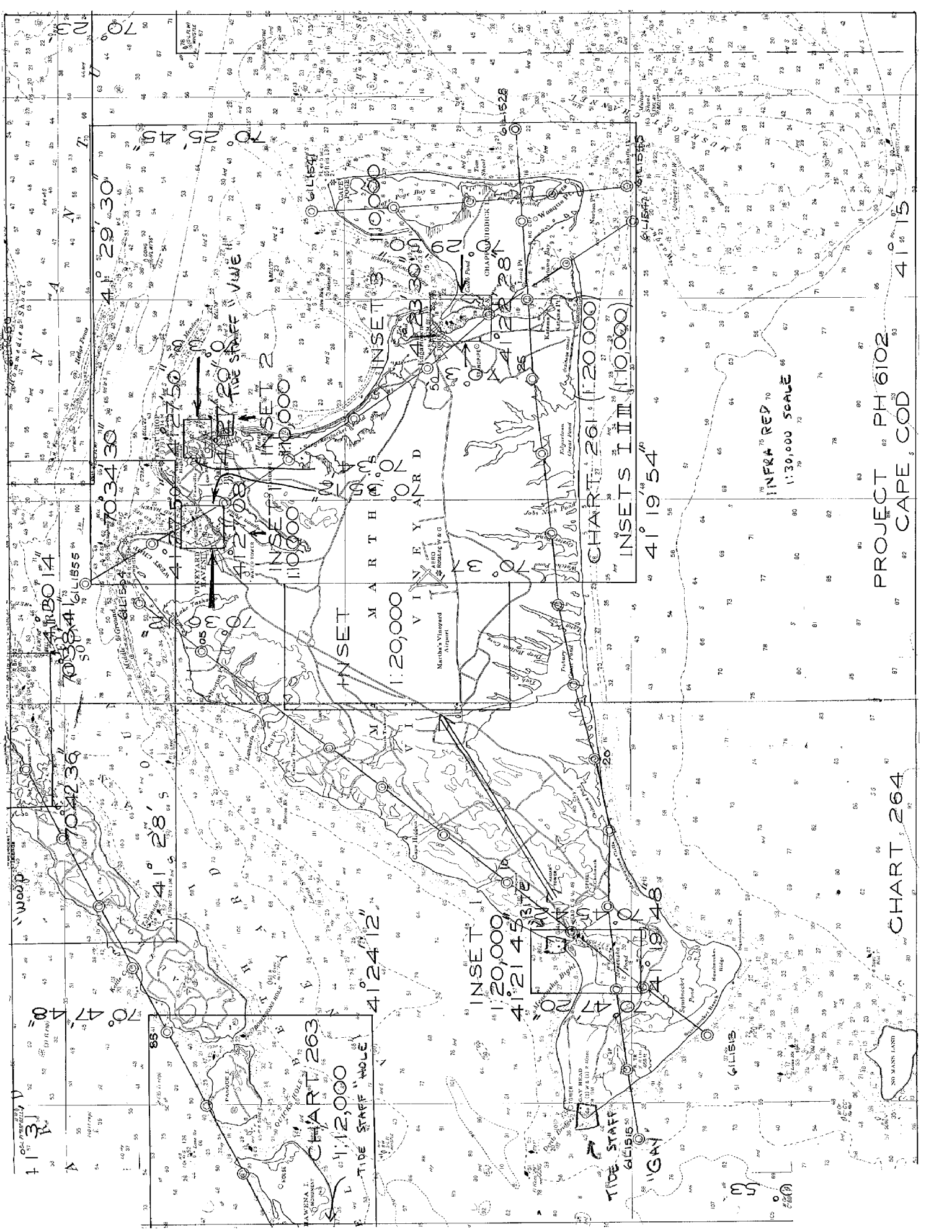


CHART 263  
1:12,000  
TIDE STAFF "HOLE"

CHART 264  
INFRARED  
1:30,000 SCALE

INSET I  
1:20,000  
41° 28' 50" N  
70° 47' 40" W

INSET II  
1:20,000  
41° 27' 50" N  
70° 45' 45" W

INSET III  
1:20,000  
41° 23' 30" N  
70° 43' 28" W

INSET IV  
1:20,000  
41° 19' 54" N  
70° 41' 15" W

CHART 264  
INFRARED  
1:30,000 SCALE

PROJECT PH 6102  
CAPE COD

CHART 264