

12497*

Diag. Cht. No. 1209-2.

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY DESCRIPTIVE REPORT	
Type of Survey <u>Chart 261</u>	
Field No. <u>Ph-6102</u>	Office No. <u>T-12497</u>
LOCALITY	
State <u>Massachusetts</u>	
General locality <u>Cape Cod</u>	
Locality <u>Martha's Vineyard</u>	
<u>1961</u>	
CHIEF OF PARTY	
<u>W.E.Randall, Baltimore Dist. Officer</u>	
LIBRARY & ARCHIVES	
DATE	<u>May 1964</u>

USCOMM-DC 5087

12497
26321

8417

* Refer to Special Addendum,
Page 26, of this report

DESCRIPTIVE REPORT - DATA RECORD

7 CHART 261 (T12497)

Project No. (II): PH-6102 Quadrangle Name (IV):

Field Office (II):

Chief of Party:

Photogrammetric Office (III): Baltimore, Maryland

Officer-in-Charge: William E. Randall

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

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV): 1:20,000

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 (2) 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

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

DESCRIPTIVE REPORT - DATA RECORD

3

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

Date: August 1961

Planetable contouring by (II):

Date:

Completion Surveys by (II): J. Wilson

Date: October 1961

Mean High Water Location (III) (State date and method of location): 4/9/61. Infra-red high water
photo graphy.

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

Date: 7/18/61

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

Date:

Control plotted by (III):

Date:

Control checked by (III):

Date:

Radial Plot or Stereoscopic
Control extension by (III):

Date:

Stereoscopic Instrument compilation (III):
Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): J. Y. Councill

Date: 9/19/61

Photogrammetric Office Review by (III): R. Glaser

Date: 9/21/61

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

(4)

Number		Date	Time	Scale	Stage of Tide
61-M-001 thru 004				1:60,000	
014	" 017			"	
039	" 044			"	
61-L-1523 thru 1526		4/9/61	1450	1:30,000	+0.4 (high water)
1541	" 1545	"	1622	"	-0.2 " "
1548	" 1555	"	1629	"	-0.2 " "
61-S-6667 thru 6697		4/15/61	1640	1:10,000	+0.4 (low water)
6698	" 6723	"	1700	1:15,000	+0.4 " "
7813	" 7824	5/5/61	1856	"	+0.15 " "

AERIAL PHOTOGRAPHY COORDINATED WITH TIDE STAFF
READING

Tide (III)
Observed

Reference Station: Oak Bluffs
Subordinate Station:
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	1.7'	2.0'

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

Date: JAN. 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): 98 miles

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered:

Identified:

Number of BMs searched for (II):

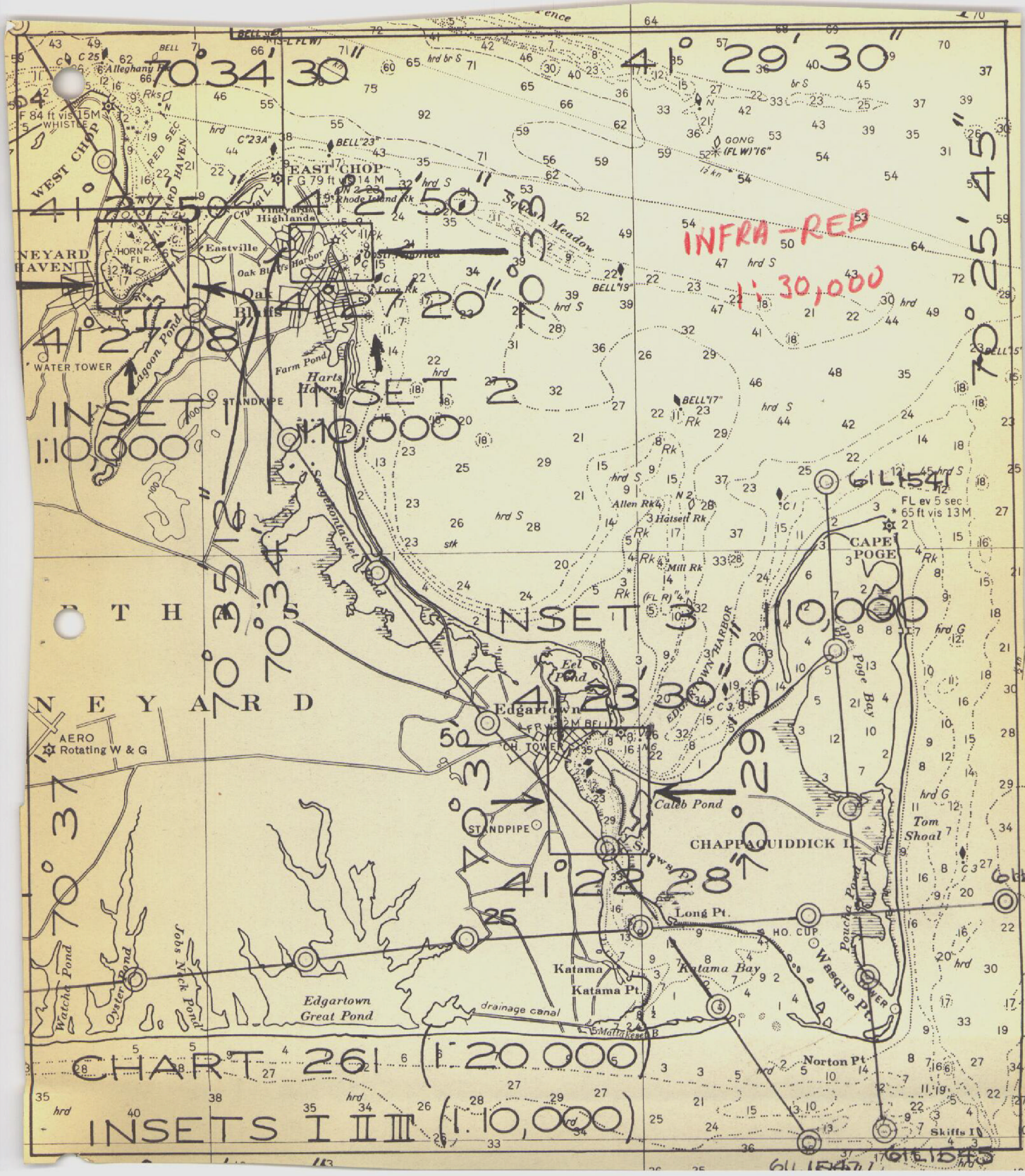
Recovered:

Identified:

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:



INFRA-RED
1:30,000

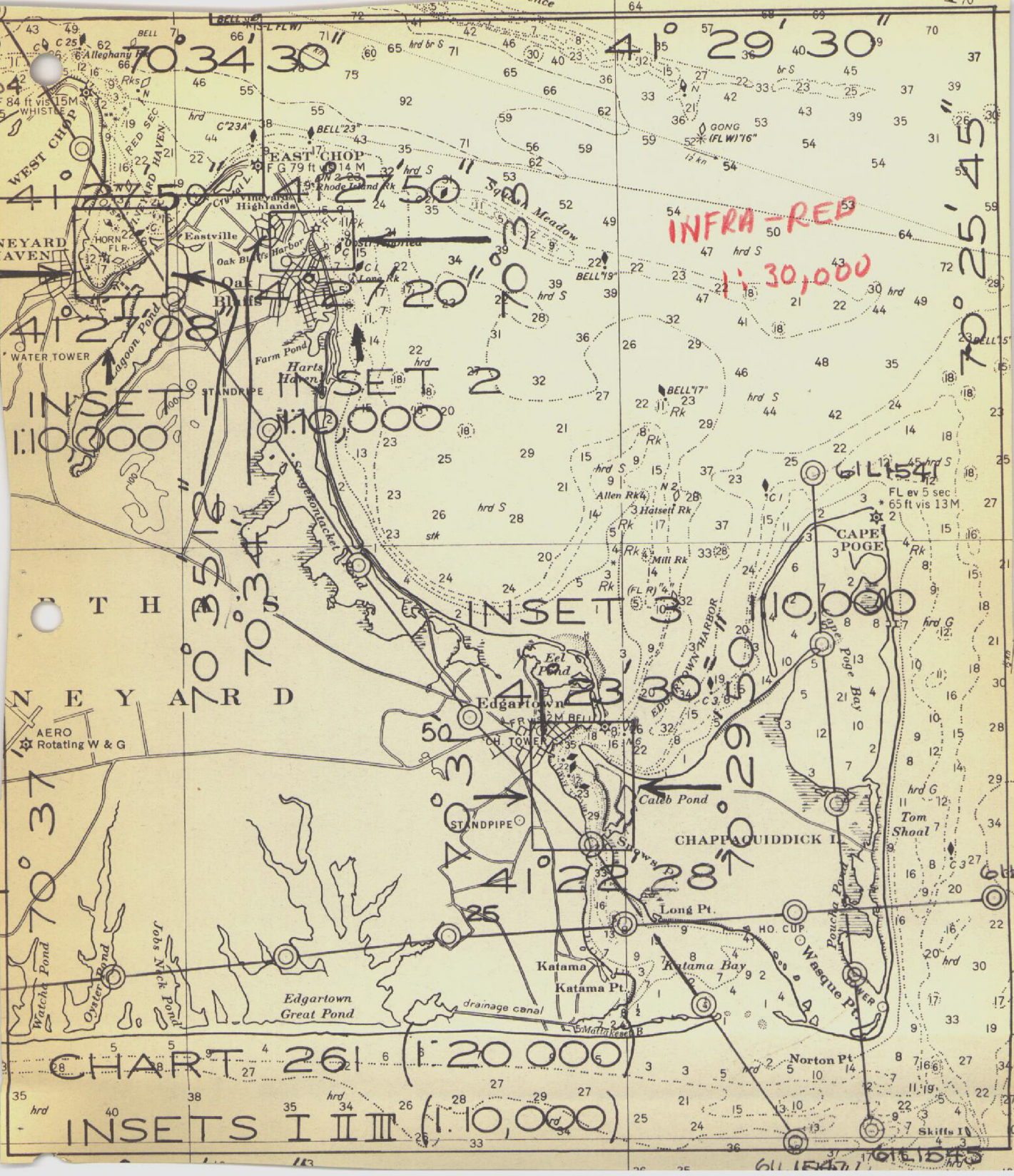
INSET I
1:10,000

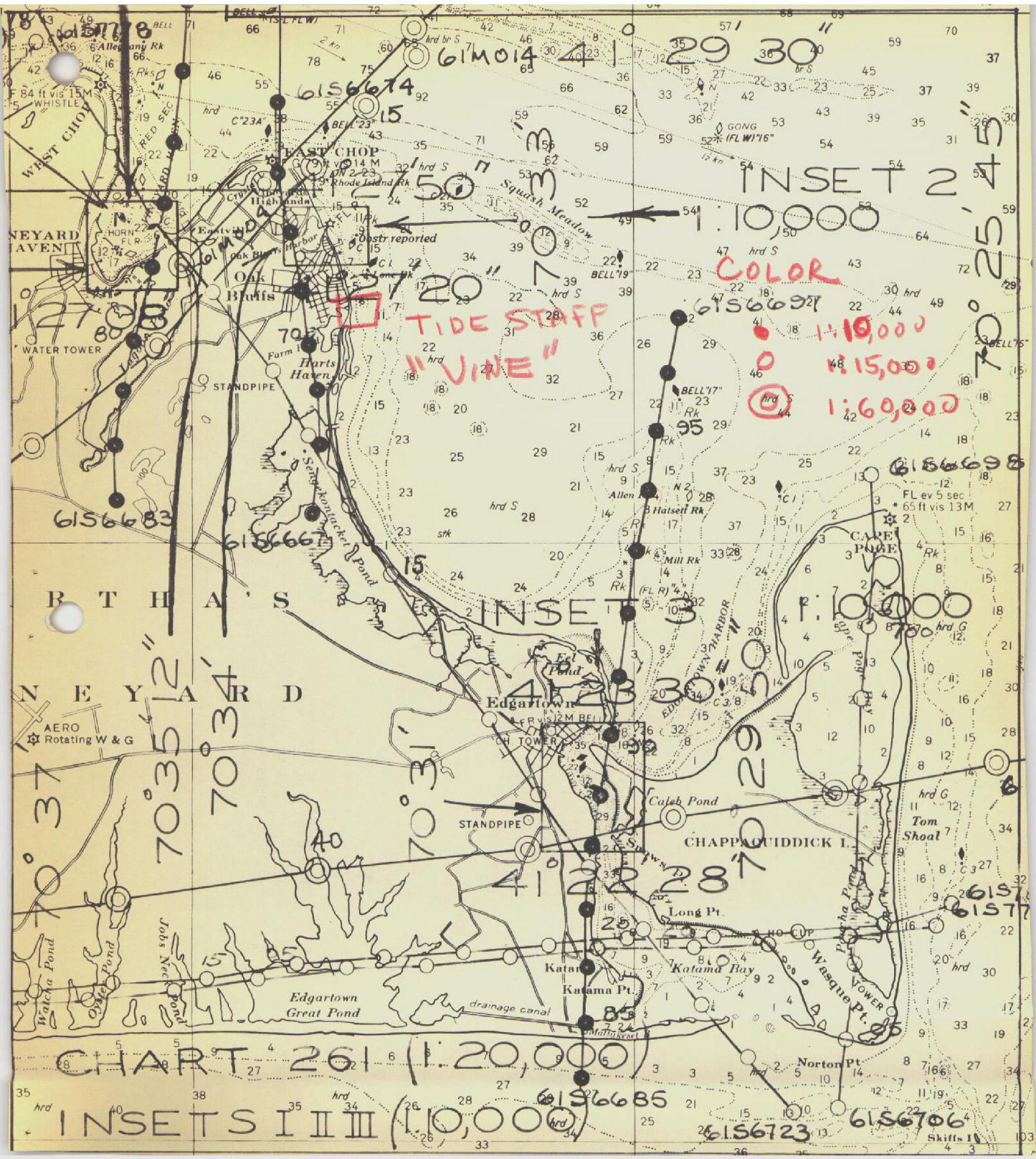
INSET II
1:10,000

INSET III
1:10,000

CHART 261 (1:20,000)

INSETS I III (1:10,000)





TIDE STAFF
"VINE"

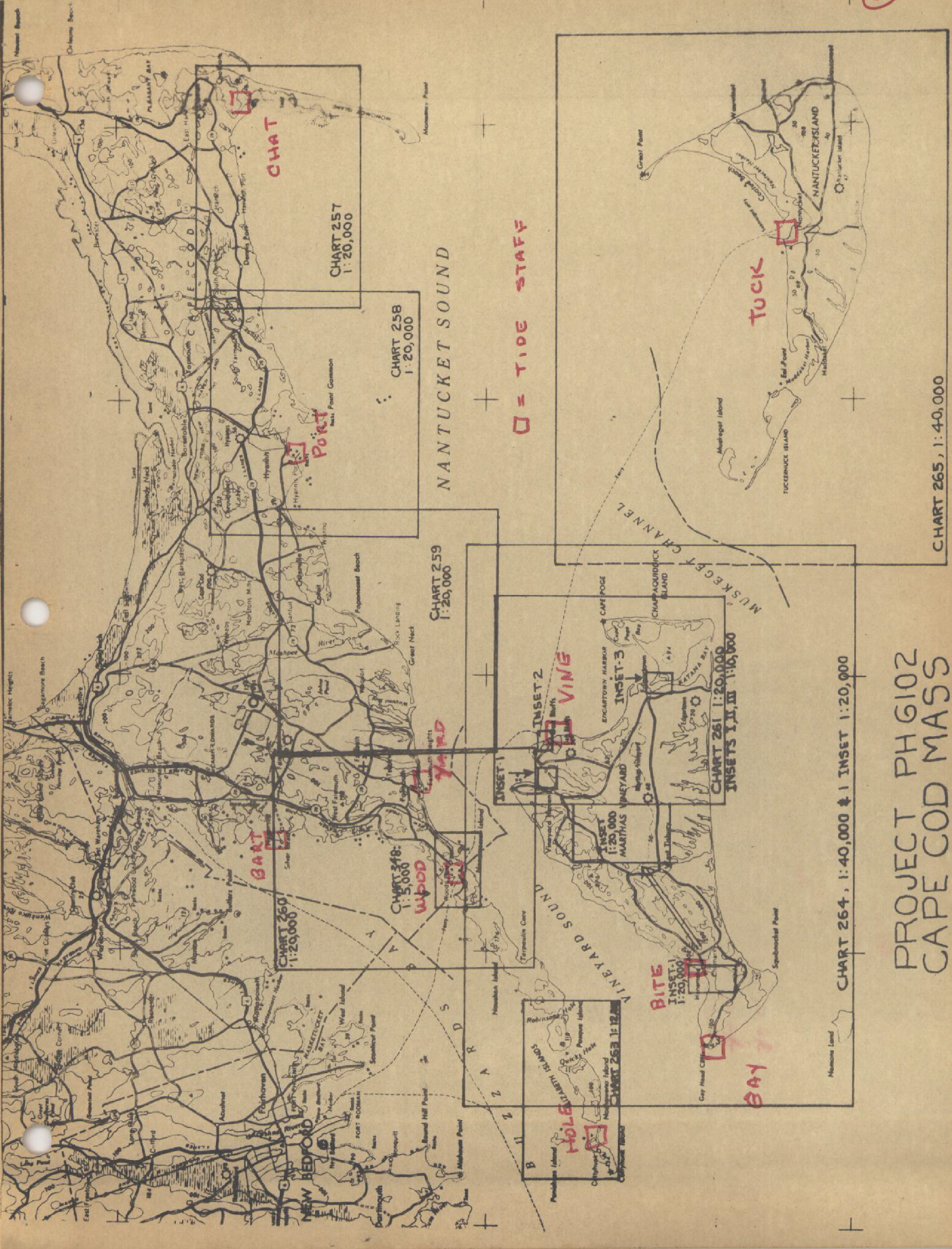
INSET 2
1:10,000

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

INSET 3

CHART 261 (1:20,000)

INSETS I II III (1:10,000)



PROJECT PHG102
 CAPE COD MASS

6

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT
CHART DRAWING 265 261 (T 12497)
TOPOGRAPHY

The compilation of topography on chart drawing 261 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.

CHART 261 (T12497)

REPRODUCTION LOG

Compilation Record	Completion Date	Remarks
1. Compilation Incomplete	8/31/61	Information copy, Washington office and field party. SUPERSEDED
2. Compilation Incomplete	9/15/61	Copy for field edit. SUPERSEDED
3. Compilation Complete	9/21/61	Copy for Chart Division. Copy for reduction for Chart 264. SUPERSEDED
4. Revised from Field Edit	11/16/61	Copy for Photogrammetry Division

COMPILATION REPORT

CHART 261 (T12497)

Field Report: See field report for project Ph-116 dated 1956 (part of Descriptive Report for survey T-11212). The results of bluff inspection were furnished on a copy of Chart 1209 (scale 1:80,000).

31. DELINEATION

The manuscript was compiled from photographic reductions of planimetric surveys which are part of project Ph-116.

Completion of landmark building delineation has been deferred pending field edit selection.

A discrepancy sheet has been prepared for use of the field editor.

32. CONTROL

Not applicable.

33. SUPPLEMENTAL DATA

A copy of the history form is attached. The data used in the compilation are listed.

34. CONTOURS AND DRAINAGE

No comment.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline is based on office interpretation of the infra-red 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 for this chart were delineated. In Katama Bay the indicated positions of the desired bluffs appeared to be displaced. The two highest bluffs were determined from the photographs.

36. OFFSHORE DETAILS

Skiffs Island, previously charted southeast of Wasque Point, has been completely eroded. It could not be seen on the photographs.

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

37. LANDMARKS AND AIDS

The landmarks and aids listed on Forms 567 (T-10641, T-10642, T-10643) were plotted with the coordinatograph. The geographic positions were converted to plotting values computed from the Mercator projection data used by the Chart Division for this chart.

All were verified on the photographs with the following exceptions:

CAPE POGE LIGHT has been moved from the position on T-10643. (See Notice to Mariners No. 39, 1960). The new position was obtained from the photographs by graphic methods. *New position determined by third order triangulation (field edit)*

TOWER at Wasque Point as shown on T-10643 could not be seen on the photographs and was not shown. The position on Form 567 seems to be in error by 100 meters in longitude.

In addition to the landmarks listed on Form 567, the following charted landmarks were shown:

WATER TOWER at Edgartown was plotted from the position of EDGARTOWN STANDPIPE, 1932 and was verified on the photographs.

RADIO MAST (at Eastville) was located using the color photographs.

The charting names of the landmarks are carried forward from the latest charts. In some instances they differ from the names on the Forms 567.

Several floating aids were located from the color photographs.

38. CONTROL FOR FUTURE SURVEYS

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

Supplemental objects for use by the Coast Guard have not yet been selected in the field (Project Instruction, paragraph 6.031).

39. JUNCTIONS

Delineation in the area of overlap with Chart 260 (1:20,000) to the northwest has been transferred from this chart (Chart 261).

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. - 46.

Inapplicable.

47. COMPARISON WITH CHARTS

Comparison has been made with Chart 346, ^{dated 12/18/44} (1:20,000) and Chart 347, dated 6/19/61 (1:10,000). Comments are made on the discrepancy sheet.

48. GEOGRAPHIC NAMES

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

Respectfully submitted
September 20, 1961

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

Approved and Forwarded

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

(11)

FIELD EDIT REPORT
Project Ph-6102
Eastern Half of Marthas
Vineyard, Mass.

GENERAL NOTES

The area was field edited during the period of 26 September thru 4 October 1961. Corrections and additions have been inked on the photographs in black and referenced on the discrepancy prints in purple.

Special areas indicated on the discrepancy prints were investigated at or near low-water. Levels were run from Tidal Bench Mark 3 at Oak Bluffs to establish the stage of the tide. A tide observer transmitted by Walkie-Talkie the tidal data to the field inspector. Tide observations were observed on 27 and 28 September, and again on 2 October 1961.

The area offshore from the southeastern end of Marthas Vineyard was investigated on two separate occasions at low tide. Skiffs Island has completely eroded, and is no longer in existence. The area labeled "Uncovers MLW" consists of tide rips and shoal waters which have about 5 feet of water at low tide. There is an area, see on contact photo 61-L-1547, which is more shallow than any other place; this spot is covered by about 3 feet of water at low tide. There are no areas above low-water.

One rock, off Cape Poge Light, was located by angle and distance. The rock, which was questioned on the discrepancy print, does not bare at low-water. *The rock exists - refer to discrepancy print*

The rocks, near West Chop Lighthouse, and questioned on the discrepancy print, were investigated thoroughly when the tide was plus 0.5 foot; none were found baring at low-water. Sextant fixes were taken to five rocks and are shown on Chart 347 which is included with the field edit data submitted. Your attention is invited to the fact that the positions of only one of the five above rocks agreed with the rock positions on the chart. Rocks shown further offshore at this point could not be found; however, they are believed to be in place, but covered by several feet of water at low tide. It is recommended that this area be thoroughly investigated during hydrography.

A new position for Cape Poge Lighthouse was determined by third order triangulation. A cahier of records for the location of this station is submitted with the field edit data. Please pass on to Geodesy the forms needed by their division.

All landmarks for charts and fixed aids to navigation were thoroughly checked and are being submitted on form 567 for charting. Landmarks for charts were found to be correct except for the following:

RADIO MAST (At Eastville) - This mast was destroyed during July 1961 and is recommended on form 567 for deletion.

CUPOLA AND DOME - These two new landmarks are located at Oak Bluffs, and are recommended on form 567 for charting on all charts.

MONUMENT - This feature is not suitable as a landmark.

TRINITY CHURCH SPIRE - This spire is not suitable as a landmark.

SPIRE - The church spire at Edgartown is not prominent, and is not recommended as a landmark. The church tower, located nearby is an excellent landmark.

TOWER - This tower, located at Wasque Point, was torn down several years ago.

WATER TOWER - This feature is Edgartown Standpipe. It has been recommended on form 567 as a standpipe rather than a water tower. Previous charts also show this feature as a standpipe.

All fixed aids were verified and are recommended on form 567 for charting.

One wreck, at Edgartown, was found to be below low-water. It should be referred to hydrography.

The stakes, questioned at Vineyard Haven, are not recommended for charting. They consist of small non-permanent wooden stakes which serve to mark the channel, and are replaced several times each summer season. At the time of this inspection, only two were in place.

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

NE Gable, 2 story grey house	Photo 61-L-1543
Chimney, 1½ story house	" " 1528
Stack, yellow, brick	" " 1525

S Gable, 1 story, grey house (Chart 264)	" "	1523
Chimney, white, 1½ story, grey house	" "	1522
N Gable, 2½ story white house	" "	1554 (ratio)
Chimney, center of main house (2 story) with red roof	" "	" "
N Gable, 1 story unpainted house	" "	1553 "
Chimney, white, 2 story house	" "	1553 "
Chimney, white, 2 story house	" "	1553 "
Tank, water, black	" "	1553 "
N Chimney, 2 story, grey house	" "	1552 "
Chimney, 2 story, grey house	" "	1550 "
E Gable, 2 story house	" "	1549 "
Chimney, center, 2 story, grey house	" "	1549 "
E Gable, 2½ story, white house	" "	1549 "
Chimney, 1½ story, grey house	" "	1549 "

Bluff inspection was made in August 1961. It was necessary; however, to make a few corrections to bluffs during field edit. The bluffs in Katama Bay, which were delineated by the compiler, were found to be correct.

The names of features to be added to charted buildings and names of waterfront streets have been inked directly on the chart inset discrepancy prints. A special Geographic Names Report will be submitted for the entire project at a later date.

Field edit notations are inked on the following photographs:

CONTACT PRINTS

61-L-1522, 1523, 1525, 1527, 1528, 1541, 1543, 1544, 1547, 1554

RATIO PRINTS

61-L-1511, 1549, 1550, 1552, 1553, 1554, and 55 W 5123 dtd 15 Mar 55.
~~55 W 5102 and 5107~~

Submitted by:
 Joseph K. Wilson
 Chief, Photo Party 720
 October 9, 1961

1522
 1523
 1525

MISSING

REVIEW REPORT
TOPOGRAPHY
NAUTICAL CHART DRAWING 261 (T12497)

61. General Statement

PH-116 base maps (T-10641, T-10642 and T-10643) provided topography for the chart drawing after the maps were revised from 1961 color and infrared photography. Revision was limited to information required for charting. Supplemental compilation reports were inserted in the Descriptive Reports for the PH-116 surveys. No precompilation field work was accomplished prior to revision work and chart compilation. Copies of the chart drawing and harbor insets were field edited.

62. No comparison was made with registered topographic surveys.

63. Comparison with Maps of Other Agencies

U.S.G.S.	Quad.	Edgartown, Mass.	1:24,000	1951
"	"	Vineyard Haven, Mass.	"	"

Extensive natural shoreline changes have occurred since the time of the G.S. surveys. No significant differences in the surveys were noted.

64. Comparison with Hydrographic Surveys

Hydrographic surveys were compared with the chart drawing during application of hydrography in the Chart Division.

65. Comparison with Nautical Charts

346	1:20,000	revised 6/26/61
347	1:10,000	revised 6/19/61

With the exception of one area, existing discrepancies in alongshore rocks between the new compilation and the published charts were investigated and resolved during field edit. During field edit four sunken rocks were located by field methods in the area east of West Chop Lighthouse. An investigation of this area during hydrography was recommended by the field editor.

66. Adequacy of Results and Future Surveys

Chart drawing topography meets the National Horizontal Accuracy Standards and Bureau requirements.

Reviewed by:

S. G. Blankenbaker
S. G. Blankenbaker

Approved by:

L. C. Lande
Chief, Review Section
Photogrammetry Division

J. E. Waugh 5/26/64
Chief, Photogrammetry
Division

HISTORY OF CARTOGRAPHIC WORK - NAUTICAL CHART BRANCH FILES

CHART 261

REMARKS (over)

NC REC CORR FUTURE

LITH. Rec'd.

DATE

NC NE NP RP T.O.

LITH. Ver.

DATE

PRINT DATE

No. 972

APPLIED Part Full	SOURCE OF INFORMATION			Type of Information	LOCALITY	INFORMATION APPLIED			
	File No.	Date	Authority						
1	T-106441 (photos) 64-L-1522-1524 64-S-6619-6673 6676-6681 6708-6710	Revised to 1961	C&GS	Topo	Uncovered Haven	Topography (planimetric detail) Floating aids			
2	T-106442 (photos) 64-L-1523-1524 1551 64-S-6715, 7815 7816	Revised to 1961	C&GS	Topo	Edgartown Great Pond	Topography (planimetric detail)			
3	T-106443 (photos) 64-L-1525, 1526 1541-1544 1548-1550 64-S-6688-6690 6699-6701 6722, 7821	Revised to 1961	C&GS	Topo	Edgartown	Topography (planimetric detail) Floating aids			
4	Annotated Chart 1209	Aug 1961	C&GS	Bluffs	Entire Chart	Bluff inspection data			
Items	Compiled by	Started	Completed	Time (hrs.)	Items	Verified by	Started	Completed	Time (hrs.)
1-4	J.Y. Council	8/1/61	9/19/61	210	1-4	R. Glaser	9/2/61	9/21/61	36

16

Projection Data

Location: Martha's Vineyard

Projection: Mercator

Datum N. A. 1927

Scale 1:20,000 at Middle Latitude 41° 25'

Projection interval 2' black Color 1' blue *TRK*

Border 0.0 - 1.5 - 1.5 - 7.5

Material: ~~Metal mounted paper~~ *vinylite*

All figures in millimeters

Limits Lat: 41° 19'54" to 41°29'30". Long: 70°25'45" to 70°37'00".

1' Long. at Middle Latitude 41°25" 69.671

Use 600 bar

Use 800 bar

East to West		South to North	
Neatline or 70°25'45	0.000	Neatline or 41°19'54"	0.000
	26' 17.418		20'00" 9.242
	28' 139.342		21'00" 92.445
	30' 139.342		22'00" 92.469
	32' 139.342		23'00" 92.493
	34' 139.342		24'00" 92.516
	36' 139.342		25'00" 92.540
	37' <u>69.671</u>		26'00" 92.564
	<u>783.799</u>		27'00" 92.588
Neatline dimensions 30.9' x 35.0"			28'00" 92.612
Comp by L.M.Z. 11/1/50			29'00" 92.636
Checked by DHB 11/2/50			29'30" <u>46.330</u>
			<u>888.435</u>

ok [signature]

2-61

(19)

Projection Date on N.S. 1927 Datum

Chart No. 261 Fragments I, II, III

Chart No.

Location Vineyard Haven Oak Bluffs Hbr Edgartown Hbr

Scale 1:10,000 Latitude 41° 27' 30"

Major Projection Interval Minor Projection Interval

Border Material

Dimensions in Millimeters

Long. of Middle Latitude

gfe

Checked by JMA 2-9-61

I - Vineyard Haven

East to West West to East		South to North	
N.L. 70° 55' 12"	0.000	N.L. 41° 27' 03"	0.000
70° 36' 00"	111.404'	27' 30"	83.295'
36' 12"	27.851'	N.L. 41° 27' 45"	46.275'
Total =	139.255'	Total =	129.570'

I

II - Oak Bluffs Harbor

N.L. 70° 33'	0.000	N.L. 41° 27' 20"	0.000
70° 34'	139.255'	41° 27' 30"	30.850'
		N.L. 41° 27' 50"	61.700'
		Total =	92.550'

Edgartown Harbor

N.L. 70° 31'	0.000	N.L. 41° 27' 10"	0.000
70° 32'	139.255'	41° 27' 20"	30.850'
		N.L. 41° 27' 30"	46.275'
		Total =	77.125'

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

~~HYDROGRAPHIC CHARTS~~
~~NAVIGATION AIDS~~

~~NONFLUORINATING AIDS FOR~~ LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE REVISED~~
~~TO BE DELETED~~

STRIKE OUT TWO

Baltimore, Maryland
November 15, 1961

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

The positions given have been checked after listing by R. Glaser

William E. Randall
Chief of Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION			DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE * D. M. METERS	LONGITUDE * D. P. METERS	DATUM							
MASSACHUSETTS	TOWER	(Vineyard Haven Yellow, Stone, Water Tower 1932) ht 30 (180) Ft		41 26	70 36	N.A. 1927	Tri.	9/27/61	X	X	X	1209, 261, 264	
	AERO	Rotating white and green ht 55 (109) Ft		41 23	70 36	554-5047	Photo Plot	9/27/61	X	X	X	1209, 261, 264	
	STANDPIPE	(Lagoon Heights Water Tower 1904) ht 76 (176) Ft		41 26	70 34	"	Tri.	9/27/61	X	X	X	1209, 261, 264	
	CUPOLA	Oak Bluffs High School ht 63(90) Ft		41 27	70 34	61L-1552	Photo Plot	9/27/61	X	X	X	1209, 261, 264	
	DOME	Marthas Vineyard Tabernacle - Dome topped cupola w/cross ht 90 (102) Ft		41 27	70 33	61L-1553	"	"	X	X	X	1209, 261, 264	
	CUPOLA	Marthas Vineyard Hotel Cupola, Wood ht 65 (74) Ft		41 27	70 33	61L-1553	"	"	X	X	X	261, 264, 1209, 261, 264	
	CH TOWER	(Edgartown Methodist Episcopal Church Tower 1928) White ht 93 (107) (Edgartown Standpipe 1932)		41 23	70 31	"	Tri	9/27/61	X	X	X	1209, 261, 264	
	STANDPIPE	Ht 85 (148) Ft		41 22	70 31	"	"	9/27/61	X	X	X	1209, 261, 264	
	HO CUPOLA	(Masque Pt House Cupola 1932) ht 16 (105) Ft		41 21	70 28	"	"	"	X	X	X	1209, 261, 264	

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. 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.

NONFLOATING AIDS ~~ON~~ LANDMARKS FOR CHARTS

TO BE CHARTED
~~AS PERMANENT AID~~
TO BE DELETED

STRIKE OUT TWO

November 15 1961

Baltimore, Maryland

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

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	D.M. METERS	D.P. METERS							DATUM
(West Chop Lighthouse, 1904)	MA			41 28 50.406	70 36 01.107	1556.9	107	NA	1927				1209, 261	
(East Chop Lighthouse, 1904)	MA			41 28 12.508	70 34 04.724	387.1	724	"	"				264, 260	
(Jetty Light, Red 1928)	MA			41 27 39.56	70 33 26.68	1220.4	68	"	"				"	
Oak Bluffs N. Breakwater Light	MA			41 27 26.77	70 35 48.69	826	69	61-1554	1928				1209, 261, 264	
Vineyard Haven Breakwater Light	MA			41 25 11.933	70 27 05.853	368.13	92	"	9/27/61				"	
(Cape Poge Lighthouse, 1961)	MA			41 23 26.697	70 30 12.909	823.6	9	"	1961				"	
Edgartown Harbor Light	MA							"	9/27/61				"	
(Edgartown Harbor Light, 1956)	MA							"	9/27/61				"	

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. 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.

(21)

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	6808 " 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 " 6981	"	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

PH-6102

24

INFRA-RED PHOTOGRAPHY (HIGH WATER)

FLIGHT NO	PHOTO NOS	SCALE	STAGE OF TIDE
151A	GIL- 1681 THRU 1695	1:15,000	CHAT 0.0
301	GIL - 1609 " 1619	1:30,000	CHAT - 0.1
302	1621 " 1633	"	CHAT - 0.4
303	1635 " 1641	"	PORT + 0.1
304	1652 " 1662	"	CHAT - 0.6
305	1644 " 1650	"	PORT - 0.1
306	1530 " 1539	"	YARD - 0.2
307	1496 " 1502	"	YARD - 0.1
308	1479 " 1491	"	WOOD 0.0
309	1515 " 1528	"	HOLE } - 0.2
310	1504 " 1513	"	BART } - 0.2
311	1547 " 1555	"	GAY + 0.4
312	1541 " 1545	"	GAY + 0.4
313	1557 " 1567	"	WOOD 0.0
314	1589 " 1597	"	VINE - 0.2
315	1599 " 1607	"	VINE - 0.2
316	1578 " 1587	"	TUCK - 0.1
301	1664 " 1667	"	TUCK 0.0
301	1301	"	TUCK + 0.2
		"	TUCK + 0.15
		"	Chat - 1.0

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-12497

INSTRUCTIONS

- A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
1. Letter all information.
 2. In "Remarks" column cross out words that do not apply.
 3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
1209	10-8-64	J.T. Gallahan	Full Part Before After Verification Review Inspection Signed Via Drawing No. 31 added 20ks. $\phi 41^{\circ}22'$ $270^{\circ}34'$ top in area S. of Martha's Vineyard taken from Cht. 261 (later)
249	11-20-64	A. J. Lunday	Full Part Before After Verification Review Inspection Signed Via Drawing No.
264	3-19-65	J. T. Gallahan	Full Part Before After Verification Review Inspection Signed Via Drawing No. #3 added few piers & mounds to map with Cht. 261.
260	3-25-65	J.T. Gallahan	Full Part Before After Verification Review Inspection Signed Via Drawing No. #3 - appld thru Bp 63096 which same as T12496
1210			Full Part Before After Verification Review Inspection Signed Via Drawing No. 45 appld thru Drwg 264 #3 ✓ mR
249	3-16-73	J. Bailey	Full Part Before After Verification Review Inspection Signed Via Drawing No. 35 Applied thru Drwg. 261 # 8
114-SC	9-30-74	G.D. Heeley	Full Part Before After Verification Review Inspection Signed Via Drawing No. 11 CONSIDER ADEQUATELY APPLIED
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.

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