

# 12494

Diag. Cht. Nos. 1208-2 and 1209-2.

Form 504

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT

Type of Survey Chart 258

Field No. Ph-6102 Office No. T-12494

### LOCALITY

State Massachusetts

General locality Cape Cod

Locality Nantucket Sound

1961-63

CHIEF OF PARTY

M. J. Tonkel, Baltimore Photo. Office

LIBRARY & ARCHIVES

DATE May 1964

USCOMM-DC 5087

# 12494

DESCRIPTIVE REPORT - DATA RECORD

T-12494

PROJECT NO. (II):  Ph-6102		
FIELD OFFICE (II):		CHIEF OF PARTY
PHOTOGRAMMETRIC OFFICE (III):  Baltimore, Maryland		OFFICER-IN-CHARGE  CDR Miller J. Tonkel
INSTRUCTIONS DATED (II) (III):  May 10, 1961		
METHOD OF COMPILATION (III):  Kelsh Plotter		
MANUSCRIPT SCALE (III):  1:20,000	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):  1:6,000	
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):	
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III):  N.A. 1927	VERTICAL DATUM (III): <b>MLW</b> MEAN SEA LEVEL EXCEPT AS FOLLOWS: <i>Elevations shown as (25) refer to mean high water</i> <i>Elevations shown as (5) refer to sounding datum</i> <i>i.e., mean low water or mean lower low water</i>	
REFERENCE STATION (III):		
LAT.:	LONG.:	<input type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV):  X =	STATE	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.		

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): Joseph K. Wilson		DATE: August 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): April 12, 1961 Infrared photography at high water, office interpretation		
PROJECTION AND GRIDS RULED BY (IV): J. D. C.		DATE 8/3/61
PROJECTION AND GRIDS CHECKED BY (IV): G. H. Everett		DATE 8/4/61
CONTROL PLOTTED BY (III): J. D. McEvoy		DATE 9/14/62
CONTROL CHECKED BY (III): D. M. Brant		DATE 9/14/62
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. Fuechsel		DATE Oct. 1961
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY J. D. McEvoy	DATE 11/15/62
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): C. A. Lipscomb		DATE 12/28/62
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. Glaser		DATE 1/24/63
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&GS "L" and "S" Camera (6" focal length)

PHOTOGRAPHS (III)

COLOR	NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
	61-S-6907 - 6912	4/20/61	8:50	1:15,000	0.0
	6942 - 6949	"	9:05	"	-0.1
	6951 & 6953	"	9:25	"	-0.1
	6954 - 6960	"	9:25	"	-0.1
	6973 - 6975	"	9:38	"	-0.1 * *
	7648 & 7649	5/3/61	7:10	"	-0.4
	61-L-1617 & 1618	4/12/61	11:25	1:30,000	3.0
	1619	"	11:27	"	2.5
	1622 - 1623	"	11:38	"	2.8
	1624 - 1629	"	11:40	"	2.3
	1636 - 1642	"	11:54	"	2.1
	1655 - 1659	"	12:18	"	1.7
	1660 - 1661	"	12:20	"	2.0
625	5581, 5582	APRIL 1962			

5584 thru 5588  
5601, 5606

TIDE (III)

REFERENCE STATION:	Boston	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
SUBORDINATE STATION:	Hyannis Port		9.5	11.0
SUBORDINATE STATION:	Dennis Port		3.1	3.7
			3.4	4.1

FINAL  
WASHINGTON OFFICE REVIEW BY (IV): R. GLASER

DATE: 11/26/63

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): \* 17

RECOVERED: 17

IDENTIFIED: 9

NUMBER OF BM(S) SEARCHED FOR (III): 3

RECOVERED: 3

IDENTIFIED 0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

\* Includes 3 stations established in 1961

\*\* TIDE CONTROLLED PHOTOGRAPHY

T- 258

COMPILATION RECORD	COMPLETION DATE	REMARKS
Advance Manuscript <i>Field Edit Applied</i>	2/1/63 11/7/63	<i>Superseded</i>

Summary to Accompany Descriptive Report

T-12494  
(Chart 258)

Chart drawing 258 is one of ten new charts in Project 21038. It is in the northeastern part of the project and covers a portion of Nantucket Sound bordering Cape Cod from Osterville Point on the west to Swan Pond River on the east. This is part of a pilot project wherein personnel of the Division of Photogrammetry produce topography for nautical charts by compiling to chart scale directly on Mercator projections ruled in the Nautical Charts Division. Compilation was by Kelsh Plotter holding to horizontal points established by Stereoplanigraph bridge. Field operations preceding compilation consisted only of photo-identification of horizontal control; after compilation, the map was field edited. The area is covered by infra-red "L" photography of April 1961, color "S" photography of April 1961 and panchromatic "S" photography of April 1962. The chart drawing is on vinylite and covers 8 minutes, 36 seconds in latitude and 13 minutes, 24 seconds in longitude. Hydrographic data will be added by the Nautical Chart Division and after further processing the chart will be published at a scale of 1:20,000. The registered copies under T-12494 will consist of a cronaflex film positive and a cronar film negative of the completed chart drawing.

CHART 258

MAP T..... PROJECT NO. Ph-6102..... SCALE OF MAP 1:20,000..... SCALE FACTOR.....

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $x$ -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 FORWARD (BACK)
			°	'	''	''		FORWARD	(BACK)	
CENTERVILLE CHURCH, 1845	GP P. 143	NA 1927	41	38	44.356			684.2	247.3	
HYANNIS LIGHTHOUSE 1875	G-P P. 163	"	70	20	42.412			571.8	122.5	
HYANNIS 1835 Sub. Pt.		"	41	38	10.183			157.1	768.5	
Pt. GAMMON LIGHT-HOUSE 1934	GP P. 145	"	70	17	20.318			235.1	459.2	
GAMMON 1934 Sub. Pt.	GP Comp.	"	41	37	54.014			833.2	92.4	
WEST YARMOUTH CONG. CH. SPIRE, 1934	GP P. 145	"	70	18	26.795			310.1	384.3	
DENNIS SCHOOL CUPOLA, 1934	GP P. 146	"	41	36	34.40			530.7	394.9	
YARMOUTH HIGH SCHOOL CUPOLA, 1934	GP P. 146	"	70	16	00.32			3.7	1591.0	
BASS RIVER BAPTIST CH. SPIRE, 1934	GP P. 145	"	41	37	09.049			139.6	785.9	
GAMMON, 1934	GP P. 127	"	70	15	39.440			456.6	238.0	
HYANNIS 1835	GP P. 7	"	41	39	01.837			28.4	897.2	
			70	14	46.297			535.7	158.6	
			41	40	05.914			91.3	834.3	
			70	09	11.809			136.6	557.5	
			41	39	38.913			600.3	325.3	
			70	11	49.593			573.7	120.4	
			41	39	33.304			513.8	411.8	
			70	11	59.750			691.2	2.9	
			41	37	08.262			127.5	798.1	
			70	15	40.521			469.1	225.5	
			41	37	52.733			813.5	112.1	
			70	18	26.782			310.0	384.4	

MAP T. PROJECT NO. Ph-6102 SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $x$ -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
					FORWARD	(BACK)		FORWARD	(BACK)	
HYANNIS BAPTIST CHURCH SPIRE, 1887	GP p. 143	NA 1927	41 39	05.160				79.6	845.9	
HYANNIS FEDERATED CHURCH SPIRE 1934	GP p. 144	"	70 17	15.335				177.4	516.8	
HYANNIS HARBOR BREAKWATER LIGHT (HYANNIS BREAKWATER 1934)	"	"	41 39	14.080				217.2	708.3	
HYANNIS HARBOR GREAT ROCK BEACON (1934)	GP p. 144	"	70 16	55.934				647.2	47.0	
(SOUTHWEST ROCK DAY BEACON 1961)	Office memo	"	41 37	26.698				411.9	513.7	
(BISHOP & CLERKS DAY BEACON 1961)	"	"	70 17	34.166				395.5	299.1	
(ST. ANDREWS BY THE SEA CHURCH FLAGPOLE 1934)	GP p. 144	"	41 37	02.914				45.0	880.6	
CHACE, 1961	Office memo	"	70 17	10.486				121.4	573.6	
		"	41 36	26.433				407.8	517.8	
		"	70 19	12.726				147.4	547.3	
		"	41 34	26.909				415.1	510.4	
		"	70 15	02.147				24.9	670.2	
		"	41 37	50.875				784.8	140.8	
		"	70 18	27.737				321.0	373.5	
		"	41 36	34.261						
		"	70 16	00.368						
		"								
		"								
		"								
		"								
		"								
		"								
		"								
		"								
		"								



(9)

Compilation Report  
Chart 258

No field inspection report was submitted. The Photogrammetric Plot Report is bound with the Descriptive Report for Chart 348.

31. DELINEATION

The Kelsh Plotter was used for delineation using color prints in the vertical projector for small detail. 1962 ratio photographs were used for shoreline and alongshore detail.

All delineation was done on a work sheet and then drafted on the chart manuscript.

32. CONTROL

Horizontal points from the stereo-planigraph bridging were adequate.

33. SUPPLEMENTAL DATA

The data used in the compilation is tabulated on the history form which is attached.

34. CONTOURS AND DRAINAGE

Contours are applicable. Drainage is complete.

35. SHORELINE AND ALONGSHORE DETAIL

All details were from office interpretation, using infrared photographs for high water, color prints for low water information and 1962 ratio prints were used for revisions.

The infrared and color prints were tide controlled. Bluffs were delineated as recommended by the field party on annotated chart No. 1209.

36. OFFSHORE DETAILS

Color prints were used in the vertical projector for offshore details.

37. LANDMARKS AND AIDS

Landmarks and Aids were either plotted from triangulated positions or located photogrammetrically. Copies of Form 567 are attached.

38. CONTROL FOR FUTURE SURVEYS

Chart details are sufficient for future corrections or additions using aerial photographs.

39. JUNCTIONS

Junction has been made with Chart 259 - 1:20,000 scale.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. through 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

U.S.G.S. Quadrangle Hyannis, Mass., 1:24,000 - 1939, revised 1950  
U.S.G.S. Quadrangle Dennis, Mass., 1:24,000 - 1940, " 1949

47. COMPARISON WITH NAUTICAL CHARTS

C&GS, Chart 258, scale 1:20,000 - Nov. 1942, revised July 4, 1960.

48. GEOGRAPHIC NAMES

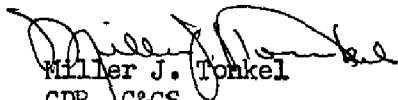
Geographic names have been omitted at the request of Mr. Everett of the Chart Division.

Respectfully submitted



Joseph D. McEvoy  
Carto. (Photo.)

Approved and forwarded



Miller J. Tonkel  
CDR, C&GS  
Baltimore District Officer

FIELD EDIT REPORT  
Project PH-21038  
Chart 258  
Cape Cod, Massachusetts

GENERAL NOTES

The area was field edited during the period 20 May 1963 through 10 June 1963. Rocks in the area of Gammon Point to Centerville Harbor were field edited during the period 3 Sept. 1963 through 13 Sept. 1963. Corrections and additions have been inked on the photographs in black and referenced on the discrepancy print in blue.

NAUTICAL LANDMARKS & FIXED AIDS

All nautical landmarks and fixed aids to navigation were visually checked and verified. The dates of verification were noted on the old form 567. Four heights ( ST. ANDREWS BY THE SEA FLAGPOLE 1934., Cupalo Yachtmans Hotel Lantern., Tank green wooden and Craigville beach flagpole) were Acquired and noted on the old form 567. A new form 567 and form 152 was submitted on Craigville beach flagpole and is identified on photograph 61S6943.

LANDMARK BUILDINGS

Two landmark buildings on the MHWL are recommended and noted on the discrepancy print and referenced to photograph 62S5588.

All public buildings were noted on the discrepancy print and cross referenced to photographs. Two schools are recommended as landmark buildings.

ROADS

All corrections, additions and classifications are noted on the discrepancy print and referenced to photographs.

PIERS

All piers in question and additions to same are noted on the discrepancy print and referenced to photographs.

MARINE RAILWAYS & BOAT RAMPS

All marine railways and boat ramps are inked on the photographs and referenced on discrepancy prints.

WRECKAGE

Wrecks in question and additions or corrections to same were noted on the discrepancy print and referenced to photographs.

CRANBERRY BOGS

It was noted on the discrepancy print that this land feature was labeled water or marsh. This feature was field edited and all bogs that are in use were noted on the discrepancy print and referenced to photographs. These bogs are flooded with water in the winter and drained in late spring.

BREAKWATER

The breakwater offshore of Bass River was located by three point fix. It is identified on photograph 62S5588

SHORELINE

Very little or no change in the shoreline was noted during field edit of chart 258.

ROCKS

Corrections and additions to the rocks in the area of Hyannis Port to Squaw Island and Craigville Beach are on photographs 61S6911, 61S6912 and 61S6944.

In the area of Hyannis Port numerous small sunken rocks were found but no attempt was made to locate same. A few larger sunken rocks were located offshore.

The elevations of Gannet Rocks were obtained at MHW controlled from a tide staff at Hyannis Port.

All rocks bare and awash and a few offshore sunken rocks in the area of Great Rock Daybeacon and Gammon Point are located on photographs 61S6958, 61S6959 and 61S6974. Due to the great number of rocks awash and sunken no attempt was made to check the location and symbols between published chart and photographs, but all rocks bare and awash were identified and labeled on photographs.

Field edit notations are inked on the following photographs 62S5581, 62S5582, 62S5584, 62S5585, 62S5586, 62S5587, 62S5588, 62S5606, 62S5601, 61S6909, 61S6911, 61S6912, 61S6943, 61S6944, 61S6945, 61S6947, 61S6948, 61S6956, 61S6958, 61S6959 and 61S6974

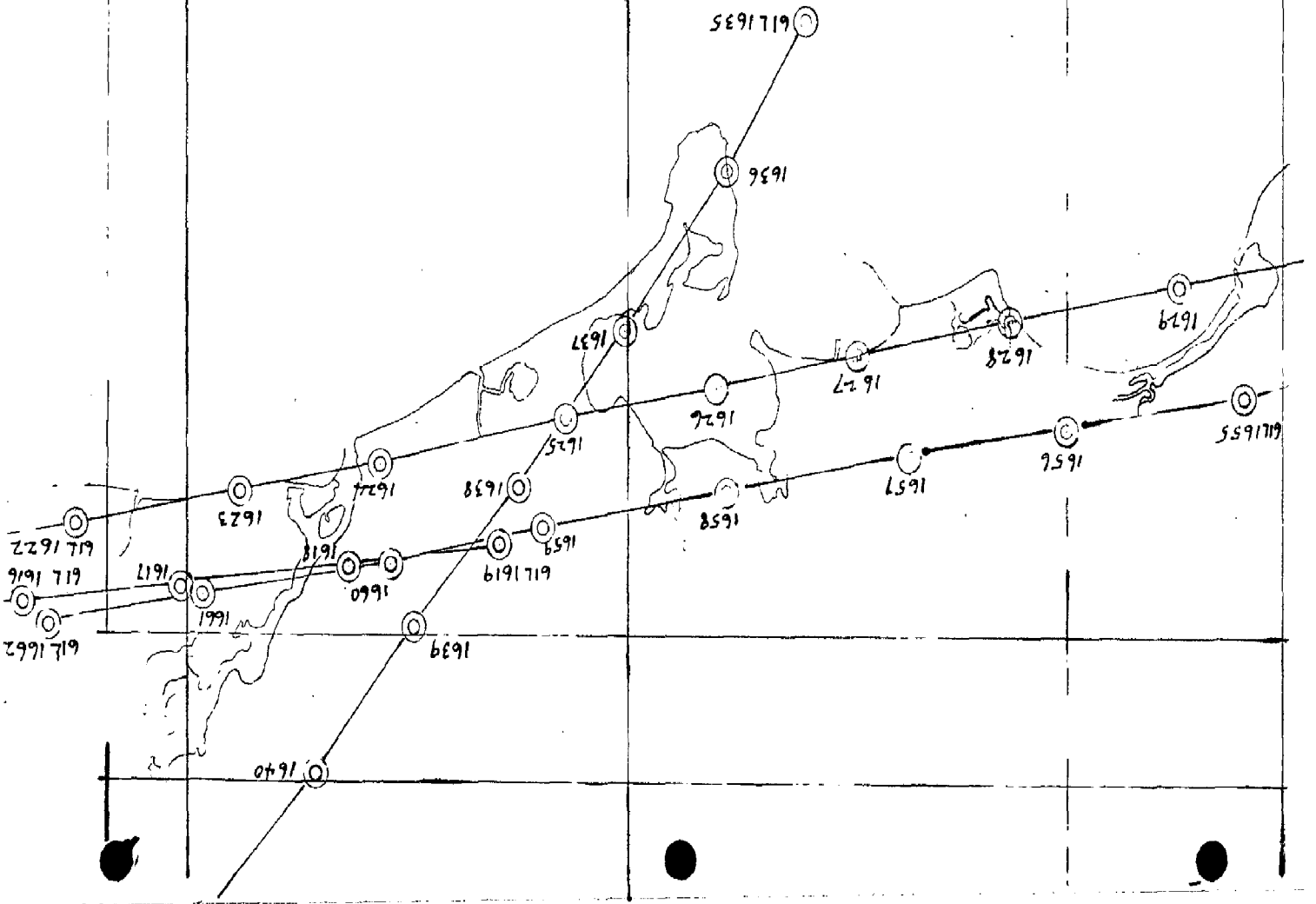
Submitted by:

Erwest W. Hartford  
Chief Sub Unit 6420

17 September 1963

Project Ph-6102  
Chart 25B

Intra red Photo Index  
O 1:15,000 scale  
⊙ 1:30,000 "



41°32'30"

Review Report  
T-12494  
(Chart 258)  
November 26, 1963

61. General Statement

See Summary accompanying Descriptive Report.

62. Comparison with Registered Topographic Surveys

The new chart drawing was not compared with registered topographic surveys during final review due to the existence of a published chart at the same scale as the new drawing.

63. Comparison with Maps of Other Agencies

U.S.G.S. Quad.	Hyannis, Mass.	1:24,000	1939, revised 1950
U.S.G.S. Quad.	Dennis, Mass.	1:24,000	1940, revised 1949

The new chart drawing indicated major shoreline changes at the mouth of Lewis Bay, affecting Dunbar Point and the northern shore of Great Island. In addition, a major cultural change has taken place along Ware Creek in the vicinity of its confluence with Bass River.

64. Comparison with Contemporary Hydrographic Surveys

No comparison was made due to the existence of a published chart at the same scale as the new chart drawing.

65. Comparison with Nautical Charts

No. 258	1:20,000	3rd Edition	December 17, 1962
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An island shown on Chart 258 at the mouth of Lewis Bay is shown on the new chart drawing as a low-water sand area. Infra-red photos covering this area verify that the island is covered at high-water.

Two large groups of rocks, one just west of the Hyannis Harbor break-water and the other surrounding the southern extremity of Great Island, have been carefully inspected by Field Edit and the revised patterns have been delineated on the new chart drawing.

Several rocks awash in Lewis Bay, among them Fiddle Head Rock, were not searched for or verified by the Field Edit Party. Photography in this area furnished no conclusive evidence of their existence. It is recommended that present chart detail in this area be retained in conjunction with details shown on the new chart drawing pending future field examination of these items.

65. Comparison with Nautical Charts (cont'd)

Two landmarks shown on Chart 258 have been recommended for deletion, and the new chart drawing provides positions for several new landmarks.

Many minor changes and corrections are indicated on a Comparison Print as an aid to the Chart Verifier.

66. Adequacy of Results and Future Surveys

The new chart drawing meets the National Accuracy Standards and Bureau requirements.

Future surveys should verify the existence of Fiddle Head Rock in Lewis Bay. Also, the existence of several rocks awash near the southeast shore of Lewis Bay should be investigated.

Reviewed by:

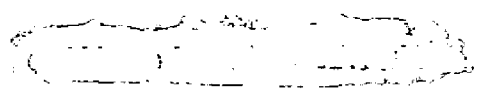
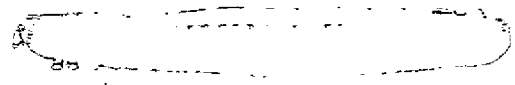
*P. G. Slauer*  
Carto. (Photo.)

Approved by:

*William J. ...*  
Baltimore District Officer

*Charles ...*  
Chief, Cartographic Branch  
h.e.k.

*J. E. Waugh 1/31/64*  
Chief, Photogrammetry Division



# HISTORY OF CARTOGRAPHIC WORK - NAUTICAL CHART BRANCH FILES

REMARKS (over)

No. 9

CHART No. 8

DRAWING PROJECT: \_\_\_\_\_  
 NC REC CORR FUTURE: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 TO REPRODUCTION: \_\_\_\_\_  
 LITH. Rec'd: \_\_\_\_\_  
 LITH. Ver.: \_\_\_\_\_  
 PRINT DATE: \_\_\_\_\_  
 NC NE NP RP T.O.: \_\_\_\_\_  
 DATE CHA: 258

APPLIED Part	SOURCE OF INFORMATION		LOCALITY	Type of Information	INFORMATION APPLIED
	File No.	Date Authority			
1	Photos (Infrared) 612-1617 thru 1619 " 1624 " 1629 " 1636 " 1642 " 1655 " 1661	April 1961 " " " "	Entire Chart	Topo	Planimetric detail compiled with Kelsb Plotter
2	Photos (Color) 615-6907 thru 6912 " 6942 " 6949 " 6957 " 6960 " 6973 " 6975 " 7649	April 1961 " " " "	Entire Chart	Topo	Low water line and off shore objects were located by using color prints in the vertical projector.
3	Contact Prints 625-5570 thru 5582 " 5584 " 5588 " 5602 " 5607	April 1962 C+G.S.	Entire Chart	Topo	Shoreline additions and revisions.
4	Radar Prints 635-5571 thru 5582 " 5584 " 5588 " 5605 " 5606	1950 U.S.G.S. 1949 U.S.G.S.	Osterville Pt. to Great Island Lewis Bay to Dennis Port	Topo	Road classification.
5	Annotated Chart 1209	Aug 1961 C+G.S.	Entire Chart	Bluffs	Bluff inspection data.
6	Forms 5E2		Entire Chart	Landmarks	Landmarks and Fixed Aids.

Items	Compiled by	Started	Completed	Time (hrs.)	Items	Verified by	Started	Completed	Time (hrs.)
1-6	J.D. McEvoy	9-14-62	11-15-62	292	1-6	R. Glasser	1-23-62	1-24-62	10
1-3	C.A. Hupscorn (Drafting)	11-1-62	12-28-62	704					



C & GS 925  
Rev. 2/62

CHART 258

DRAWING SHEET PROJECT

HISTORY OF CARTOGRAPHIC WORK NAUTICAL CHART DIVISION FILES

REMARKS (over) 0119

NC REC CORR FUTURE TO REPRODUCTION DATE

NC NE NP RP TO DATE

LITH Rec'd LITH Ver PRINT DATE

APPLIED Part Full	SOURCE OF INFORMATION			LOCALITY	Type of Information	INFORMATION APPLIED
	File No	Date	Authority			
7	Field Edit Photos 61-5-6909, 6911 6912, 6941, 6943 6944, 6945, 6947, 6948, 6956, 6958 6959, 6974	April 1961	CGG.S.	Entire chart	Topo	Piers, wrecks, roads, landmarks, aids to navigation, rocks, etc.
	Panoramic - 62-5-5581, 5582 5584 thru 5588 5601, 5606	April 1962	CGG.S.	Entire chart	Topo	same as above
8	Field Edit Discrepancy Print	June 1963	CGG.S.	Entire chart	Topo	same as above

17

Items	Compiled by	Started	Completed	Time (hrs)	Items	Verified by	Started	Completed	Time (hrs)
7-8	J. D. McEvoy	Oct 11 1963	Nov 7 1963	152	7-8	R. Glaser	11/20/63	11/25/63	29

Projection: Mercator

Location: Nantucket Sound - South Yarmouth, Hyannis and Centerville.

Projection: Mercator

Datum: N. A., 1927

Scale: 1:20,000 at Middle Latitude 41°37'

Projection interval 2' black Color 1' red

Border 0.0 - 1.5 - 1.5 - 7.5

Material: Chart paper on Aluminum

All figures in millimeters

Limits Lat: 41°32'36" to 41°41'12". Long. 70°09'06" to 70°22'50"

1' Long. at Middle Latitude 41°37' 69.457 mm.

*Handwritten note:* Use white ink for border line plotting

East to West		South to North			
	<i>measured (true)</i>		<i>measured (true)</i>		
Headline or 70°09'06"	11,050	0,000	Headline or 41°32'36"	12,050	0,000
10'	17,3012	69,457	33'	15,7479	69,457
11'	24,2469	69,457	34'	24,9950	69,457
12'	31,1926	69,457	35'	34,2446	69,457
13'	38,1383	69,457	36'	43,4965	69,457
14'	45,0840	69,457	37'	52,7509	69,457
15'	52,0297	69,457	38'	62,0077	69,457
16'	58,9754	69,457	39'	71,2669	69,457
17'	65,9211	69,457	40'	80,5285	69,457
18'	72,8668	69,457	41'	89,7925	69,457
19'	79,8125	69,457	41°41'12"	91,6460	15,830
20'	86,7582	69,457			755,500
21'	93,7039	69,457			
22'	100,6496	69,457			
<i>(next line)</i> 22°50'	104,1224	54,725			
		950,784			

Headline dimensions 81.5" x 86.6"

Plotted into 3 sections.

Computed by L. M. S. July 7, 1941

Checked by L. A. M., July 7, 1941

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE

NONFLOATING AIDS ~~ON LANDMARKS~~ FOR CHARTS

TO BE CHARTED  
~~ON LANDMARKS~~  
STRIKE OUT TWO

Baltimore, Maryland  
January 31 19 63

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 Donald H. Grant

Miller J. Tonkel  
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	DATE VERIFIED
				LATITUDE*		LONGITUDE*		DATUM								
				° ' "	D. P. METERS	° ' "	D. P. METERS									
		Southwest Rock Daybeacon, 1961)		01 36	26.433	70 19	29.726	NA	1927	TRI	8/16/61	X	X	258	5/2/63	
		Hyannis Harbor Breakwater Light (Hyannis Breakwater, 1934)		42 37	26.698	70 17	30.9	"	"	"	8/15/61	X	X	258	5/2/63	
		Hyannis Harbor (Great Rock Beacon, 1934)		42 37	02.914	70 17	212.8	"	"	"	8/15/61	X	X	258	5/2/63	
		Barnstable Municipal Airport Aero Light		41 39	59.410	70 17	10.891	"	"	PHOTO	8/15/61	X	X	258	5/2/63	
		(Fishopp & Clerks Daybeacon, 1961)		41 34	26.909	70 15	02.147	"	"	TRI	8/15/61	X	X	258	5/2/63	
		Cass River West Jetty Light		41 38	37.795	70 11	52.691	"	"	PHOTO	8/15/61	X	X	258	5/2/63	

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

**NONNAVIGATIONAL AIDS/ON LANDMARKS FOR CHARTS**

TO BE CHARTED  
TO BE REVISIONED  
TO BE DELETED

STRIKE OUT TWO

Baltimore, Maryland January 31, 1963

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

The positions given have been checked after listing by C. A. Janscomb

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION SURVEY No.	DATE OF LOCATION	HARBOR CHART	OFFSHORE CHART	CHARTS AFFECTED	DATE
				LATITUDE		LONGITUDE							
				D. M. METERS	"	D. M. METERS	"						
MASSACHUSETTS	TANK	South Yarmouth Water Tank		41 39	22.171	70 12	26.882	MA	PHOTO	8/10/61		258	5/23/63
		Steel Ht=180 (195) ft		41 38	44.356	70 20	114.5	"	PHOTO	8/2/61		258	5/21/63
		(Canterville Church, 1845) Ht = 108 (140) ft		41 39	30.793	70 21	9.681	"	PHOTO	8/2/61		258	5/21/63
		Steel Green Water Tank at Canterville) Ht = 178 (240) ft		41 38	7.520	70 14	6.654	"	"	8/7/61		258	5/22/63
		LOG, Shelton Steel, Red & White Ht = 206 (217) ft		41 39	14.78	70 15	23.8	"	"	8/7/61		258	5/22/63
		Variable Water Co. Steel, Red & White Double Elliptical Ht = 172 (200) ft		41 39	12.706	70 16	59.0	"	"	8/8/61		258	5/21/63
		Cape Cod Hospital, Red Brick Ht = 85 (110) ft		41 36	106.13	70 16	7.4	"	TRI	1/24/61		258	5/21/63
		Point Garrison Lighthouse, 1934) Aban. Lighthouse, Ht = 35 (55) ft		41 37	58.734	70 17	59.189	"	PHOTO	8/8/61		258	5/21/63
		Observation, Concrete Green dome shaped roof, Ht = 10 (52) ft		41 37	181.2	70 18	27.737	"	PHOTO	8/8/61		258	5/21/63
		(St. Andrews by the Sea Church Flagpole, 1934) Ht. 38.5 (120)		41 37	1569.5	70 18	642.0	"	PHOTO	8/11/61		258	5/21/63
		Observation tower, 300, Grey		41 37	37.211	70 18	54.689	"	PHOTO	8/9/61		258	5/21/63
		Ship Ls Ht = 35 (75) ft		41 39	434.4	70 16	1294.3	"	PHOTO	8/9/61		258	5/21/63
		(Mythic Incorporated Church Spire 1934) Ht = 98 (130) ft		41 39	05.160	70 17	15.335	"	"	1887		"	"
		(Mythic Incorporated Church Spire 1867) Ht = 80 (115) ft		41 39	159.2	70 17	354.6	"	"	"		"	"
		Sanctuary (undep. Airport Area) Light Ht = 55 (105) ft		41 39	100.2	70 17	10.093	"	PHOTO	7/19/61		258	5/21/63
		Gravelle Beach Flagpole Ht = 46 (59) ft 53 (55) ft		41 38	11.280	70 20	37.503	"	"	8/11/61		258	6/10/63

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

Not identified

USCOMM-DC 25412-101

**NAVY/NOAA/USPHS/USCG/USMC LANDMARKS FOR CHARTS**

TO BE CHARTED  
~~UNDETERMINED~~  
~~TO BE DELETED~~

STRIKE OUT TWO

Baltimore, Maryland

January 31, 1963

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

The positions given have been checked after listing by Donald L. Grant

Helloy J. Donkel

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	DATE
				LATITUDE*	LONGITUDE*	DATUM	H							
				° ' "	° ' "	"	"							
	CUPOLA	(MacQueen Hotel Lighthouse) Ht. = ( ) 44 (50) Ft.		41 38	70 16		U.S.A. 1927	Photo*		X			258	6/10/63
	FLAGPOLE	(Old Alarm) (center of window) walk top gray ringed 3-story blaze. Ht. = 65 (75) Ft.											259, 258 and 1209	6/10/63
	TANK	Green wooden (privately owned) Ht. = ( ) Ft. 43 (50) Ft.		41 36	70 22		"	"		X		252, 1209	6/10/63	

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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

TO BE CHARTED

~~TO BE CHARTED~~  
~~TO BE CHARTED~~

STRIKE OUT TWO

~~NONFLUORESCING AIDS OR~~ LANDMARKS FOR CHARTS

Nantucket Sound MASS. June 10, 1963

I recommend that the following objects which have ~~(been inspected)~~ 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 Herman L. Gens

Ernest W. Hartford Chief of Party.

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 #							
			°	'	°	'						
Flagpole	Craigville Beach Signal HL 53 (SEA) FT.		41	38	70	20	N.A. 1927	6/10/63	X			258

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. 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.

\* TABULATE SECONDS AND METERS

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SECTION

~~MASSACHUSETTS~~ LANDMARKS FOR CHARTS

STRIKE OUT TWO  
TO BE DELETED

~~Hyannis, Massachusetts~~ 15 August 1961

I recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks be:

~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by

Chief of Party

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	APPROX. CHARTS AFFECTED
				LATITUDE		LONGITUDE				
		D. M. METERS		D. P. METERS						
		°	'	°	'	°	'			
SPICOLA	Massachusetts, (Cape Cod Area)	(Harwich Exchange 2, 1934) Chart Standpipe Nigher to East		41 41.4	70 04.4			8/2/61	1257	
SILO		Water Tower Hurricane took off top 20 ft.		41 37.5	70 16.0			8/4/61	255 1257	
ABBO		Rotating Beacon Herald since 1951		41 39.9	70 17.2			8/4/61	258	
TOWEL		Fire Lookout, Shee-flying Hall Herald		41 41.2	70 20.0			8/4/61	1257	
TOWER		Fire Lookout, West Falmouth Herald		41 35.0	70 37.2			8/10/61	259 1257	
TANK		Wharf, Belmont Hotel Tank Shee-flying Hall		41 39.5	70 07.0			8/11/61	1257	
SPINE		(West Yarmouth Congregational Church Spire, 1934) Shee-flying Hall		41 39.0	70 14.7			8/14/61	258 1257	

This form shall be prepared in accordance with Hydrographic Manual, pages 899 to 904. 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.

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RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-12494

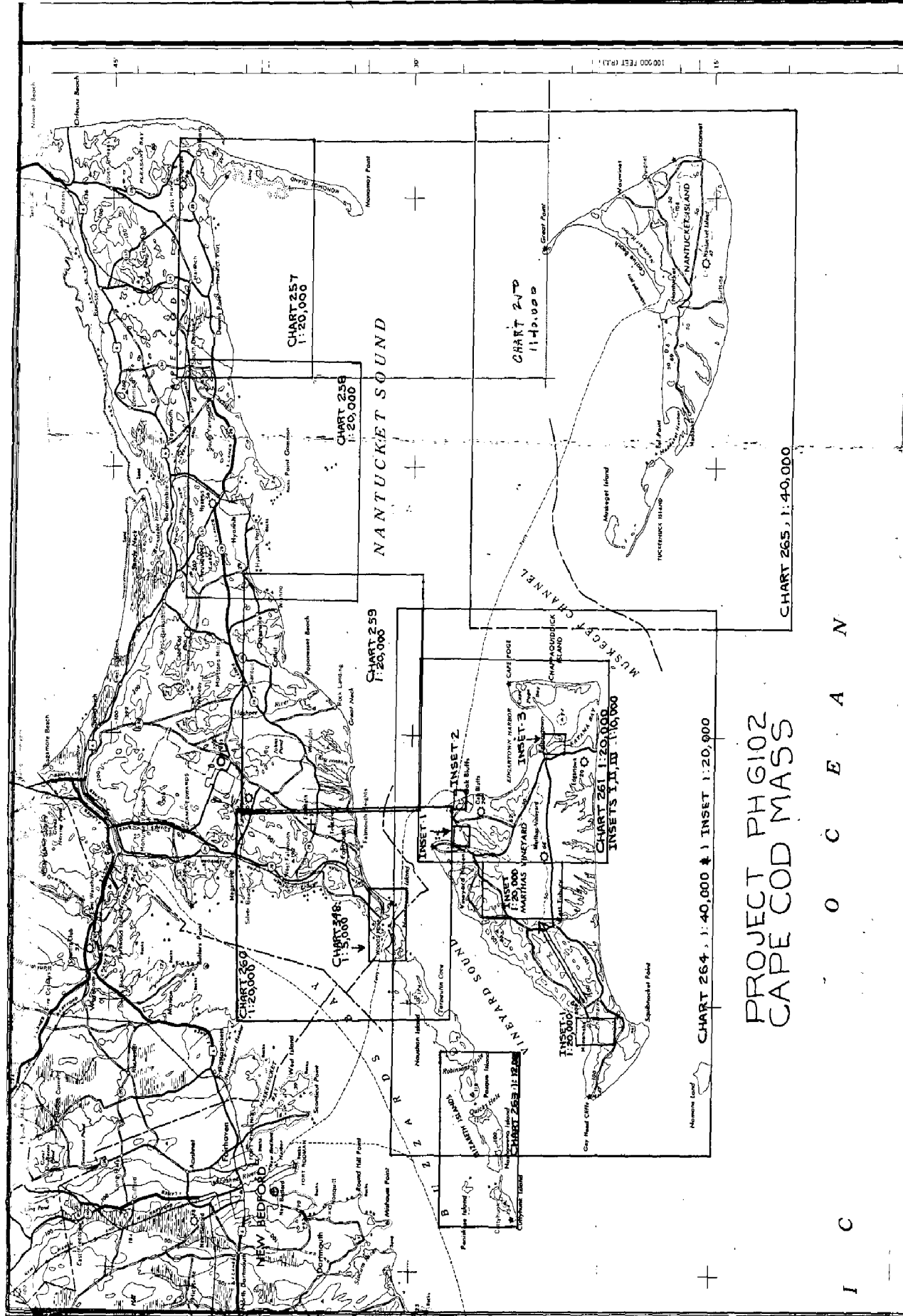
INSTRUCTIONS

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
1208	8/17/64	J.J. Streifler	<del>Examined only pending reconstruction L.V.E.</del> Full Part Before After Verification Review Inspection Signed Via
<del>1209</del>		<del>J.T. Gallahan</del>	Drawing No. #31 added 2 rks wash & 6 number rks
1209	10-14-64	J.T. Gallahan	<del>Full Part Before After Verification Review Inspection Signed Via</del> Drawing No. #31 added 2 rks wash & 6 number rks
258	11-5-64	J.T. Gallahan	<del>Full Part Before After Verification Review Inspection Signed Via</del> Drawing No. #14 revised shore line added numerous rks.
259	4-28-65	J.T.G.	<del>Full Part Before After Verification Review Inspection Signed Via</del> Drawing No. #14 added legend "dred area" at out to East Bay
258	7-26-72	Lyle R. Eberhart	Full Part Before After Verification Review Inspection Signed Via Drawing No. #17 - ADDED 2 RES AWASH - CONSIDERED FULLY APPLIED.
259	9/11/72	Oscar Chapman	Full Part Before After Verification Review Inspection Signed Via Drawing No. 18 NO CORR. Considered Fully Applied Area Covered by T-12445
1208	3-27-63	R.L.P. Polkove	Full <del>Part Before</del> After Verification Review Inspection Signed Via Drawing No. 32 thru chart 258 dwg #17 NO CORR Consider Adequately applied
114-SC PAGE A + PAGE B	9-16-74	G.D. Heeley	Full <del>Part Before</del> After <del>Verification</del> 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.





PROJECT PHG102  
CAPE COD MASS

I C O C E A N