T-12471 THRU T-12475

T-12471 THRU T-12475

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

PH-6311

Type of Survey Shoreline

~~Field No.~~ Class. II Office No. T-12471—T-12475

LOCALITY

State Massachusetts

General locality Buzzards Bay

Locality Elizabeth Islands

19 63

CHIEF OF PARTY

J. E. Waugh

Div. of Photogrammetry, Wash. D. C.

LIBRARY & ARCHIVES

DATE

USCOMM-OC 5087

(1)

FORM C&GS-181a
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T - 12471 thru T-12475

PROJECT NO. (II):

~~21070~~ PH-6311

FIELD OFFICE (II):

CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III):

Washington D. C.

OFFICER-IN-CHARGE

J. E. Waugh

INSTRUCTIONS DATED (II) (III):

July 29, 1963

METHOD OF COMPILATION (III):

Kelsh Plotter, Wild B8 Stereoplotter and Graphic

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:12,000 1:20,000
1:2,000 1:3,000 1:6,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

AUG, 1976

GEOGRAPHIC DATUM (III):

N. A. 1927

VERTICAL DATUM (III): MHW

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):

Nashawena Island Tower 1913

LAT.: 41° 25' 36.395"

LONG.: 70° 52' 36.417"

XX ADJUSTED
☐ UNADJUSTED

PLANE COORDINATES (IV):

155,724.58 x = 96,666.76

STATE

Massachusetts

ZONE

Island

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE.

WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

USCOMM-DC 16276A-P61

(2)

FORM C&GS-181b
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-12471 thru T-12475

FIELD INSPECTION BY (II):	DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Photo interpreted from tide observation controlled photographs dated April 1961. South shore was revised with 1963 photography by office interpretation.	
PROJECTION AND GRIDS RULED BY (IV): A. Roundtree	DATE 7-31-63
PROJECTION AND GRIDS CHECKED BY (IV): R. Grygo	DATE 7-31-63
CONTROL PLOTTED BY (III): I. Raborn	DATE Sept. 1963
CONTROL CHECKED BY (III): J. Mooney	DATE Sept. 1963
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. Fuechsel	DATE Oct. 1961
STEREOSCOPIC INSTRUMENT COMPILATION (III): Kelsh Plotter B-8 Plotter	PLANIMETRY: R. Sugden C. Misfeldt — DATE: Nov. 1961 & July 1962
	CONTOURS — DATE
MANUSCRIPT DELINEATED BY (III): R. Carter, M. Webber, J. Phillips	DATE Oct. 1963
SCRIBING BY (III):	DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):	DATE
REMARKS:	

USCOMM-DC 16276-P61

FORM C&GS-181c
(3-60)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

3

DESCRIPTIVE REPORT - DATA RECORD

T-12471 thru T-12475

CAMERA (KIND OR SOURCE) (III):

Wild S and L

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
61L 1481 thru 1491 IR	Apr. 1961		1:30,000	0.0 MHW
61S 6504 thru 6515 C	Apr. 1961		1:15,000	+0.4' MHW
6537 thru 6544 C	Apr. 1961			0.7' MHW
63S 6500 thru 6510 P	June 1963		1:15,000	0.7' MLW
6512 thru 6518 P	June 1963		1:15,000	0.4' MLW
6525 thru 6532 P	June 1963		1:15,000	0.4' MHW

Observed TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Woods Hole		1.3	1.6
SUBORDINATE STATION: Oak Bluffs		1.7	2.0
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): J. B. Phillips — DATE: June 1976

PROOF EDIT BY (IV): — DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): — RECOVERED: — IDENTIFIED:

NUMBER OF BM(S) SEARCHED FOR (II): — RECOVERED: — IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

SUMMARY

Job PH-6311 is comprised of five shoreline maps, T-12471 through T-12475 at 1:10,000 scale, delineated for the purpose of furnishing photo-hydro support data for hydrographic surveys along the south shore of Elizabeth Islands, Massachusetts.

With the exception of some shoreline revision, the maps are copies of job PH-6102 chart topographic maps, scales 1:5,000, 1:12,000, 1:20,000, and 1:40,000. These were reduced or enlarged, as applicable, and applied to the projection sheets ruled for 1:10,000 scale shoreline mapping. The chart topography maps had been field edited prior to their use with this project. This qualifies the maps for Class II classification.

New basic shoreline will supersede this project. (CM - 7407)

Final review was accomplished at the Rockville Office in June 1976.

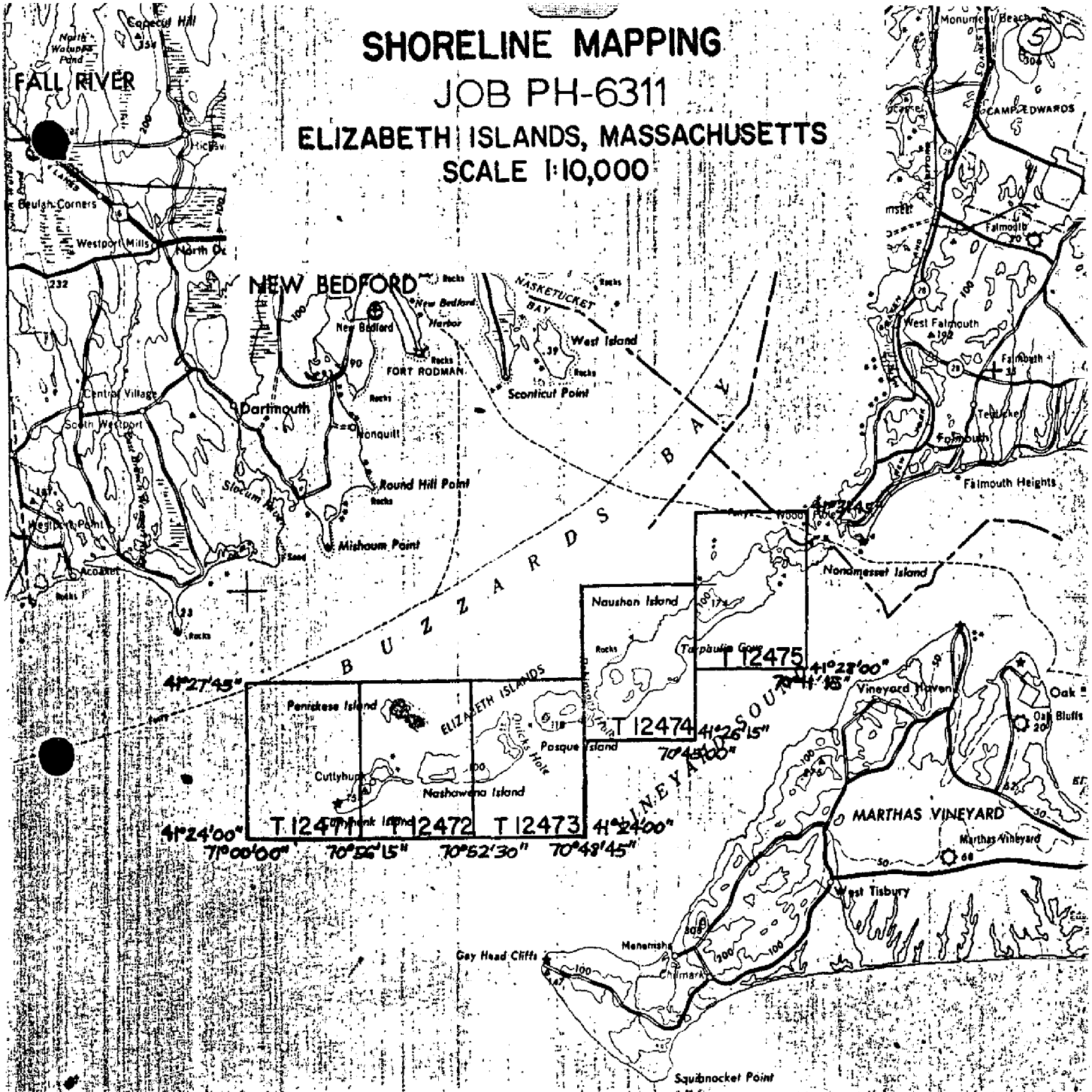
A stable base positive copy of each map and the combined Descriptive Report will be registered in the NOS Archives.

SHORELINE MAPPING

JOB PH-6311

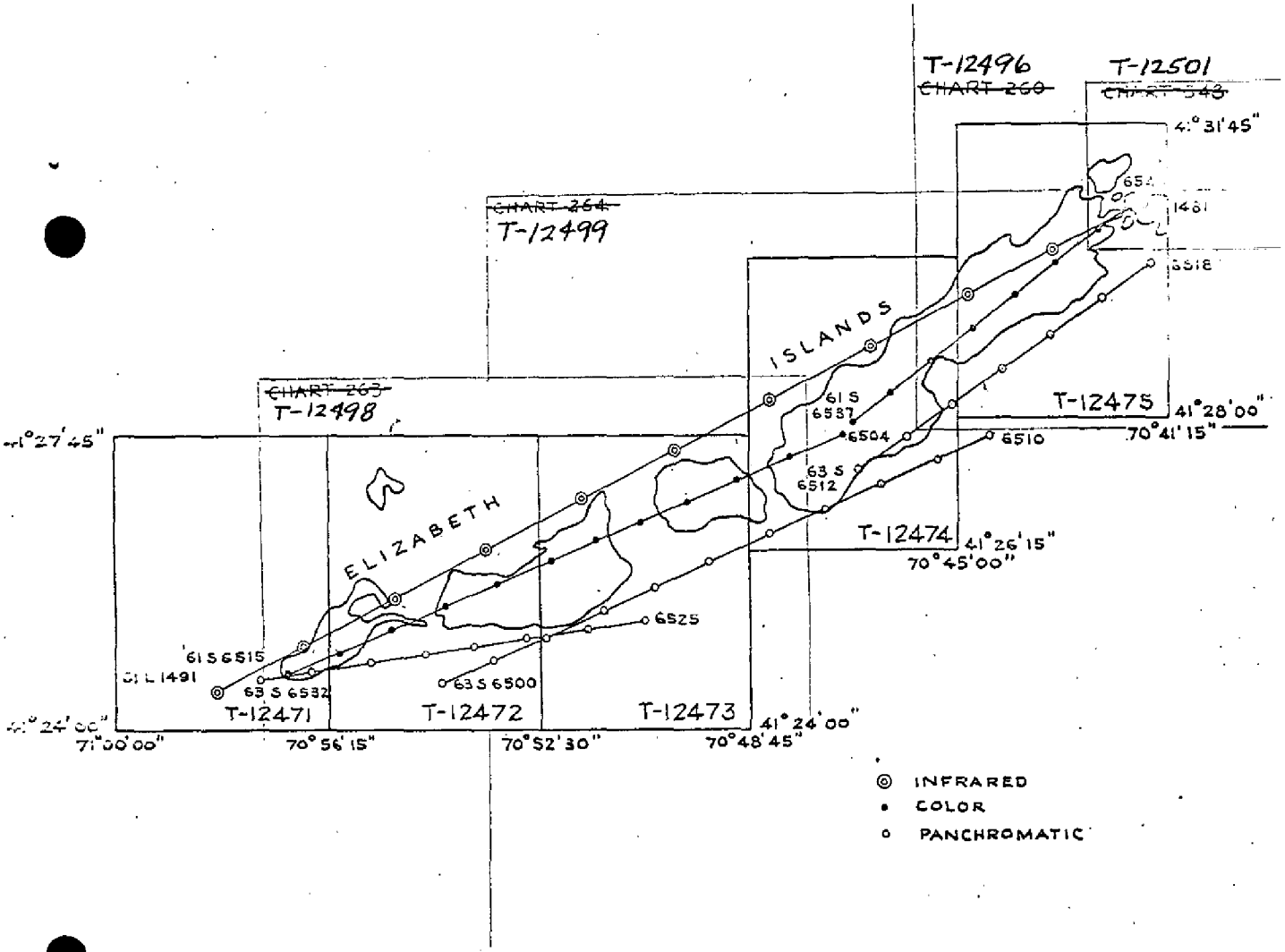
ELIZABETH ISLANDS, MASSACHUSETTS

SCALE 1:10,000



OFFICIAL MILEAGE FOR COST ACCOUNTS

SHEET NO.	LIN. MI. SHORELINE	AREA SQ. MI.
12471	3	1
12472	13	2
12473	9	3
12474	12	5
12475	15	5
TOTALS	52	16



PROJECT LAYOUT SKETCH

~~21070~~ RH-631

SCALE 1:10,000

Compilation Report
Project ~~21070~~ PH-6311
Elizabeth Islands, Mass.
October 1963

31. Delineation

Five shoreline maps, (T-12471 thru T-12475), at a scale of 1:10,000 were compiled to furnish a base for photo-hydro support.

T-12471, T-12472 and T-12473 were covered by ~~Chart 263~~ T-12498 (scale 1:12,000) which was recently compiled on the B-8 stereoplotter utilizing 1961 color film. A blackline of this chart was enlarged to 1:10,000 scale and inked on to the manuscripts. The shoreline was revised with 1963 panchromatic photography.

Ratio prints of the 1963 panchromatic photography and the 1961 infrared photography were resected to the manuscripts holding to bridge points and previously compiled details. These photographs were prepared throughout the project in the usual manner for photo-hydro support.

T-12474 and T-12475 were covered by ~~Chart 264~~ T-12499 (1:40,000) and ~~Chart 260~~ T-12497 (1:20,000). In addition ~~Chart 348~~ T-12501 (1:5,000) fell partially in the area of T-12475. These charts were also recently compiled by photogrammetry. (See descriptive reports filed for these charts). Copies of the final drawings of these charts were enlarged (or reduced) to 1:10,000 scale and inked on the manuscripts. A part of T-12474 was covered by the 1:40,000 scale ~~Chart 264~~ T-12499. The 4 time enlargement of this blackline was utilized for offshore rocks only, as the shoreline was too large for accurate definition. The shoreline was compiled from the ratio photography in this area.

The compilations of the chart drawings mentioned above were field edited in April - May 1962.

Foreshore details such as rocks, dolphins and piling were originally compiled with color photography, affording a through delineation. As the chart drawings varied in scale, (from 1:12,000 to 1:40,000) the density of rocks compiled depended on clarity consistent with the scale chart to be published. For this reason, all rocks are not compiled and the offshore data brought forward from the chart drawings ~~are~~ is varied in density.

The infrared and panchromatic photography supplied for hydro support does not show foreshore details such as rocks awash, with the clarity or certainty of color photography. For this reason, much of the foreshore data delineated on the manuscripts will not be evident on the photo-hydro support photography.

32. Control

Bridge points furnished by Aerotriangulation were sufficient in density and placement to adequately compile the manuscripts and to resect hydro support photography.

33. Supplemental Data

See Item 31 for a description of the use of Charts 260, 263, 264, and 348.

34. Contours and Drainage

Inapplicable

35. Shoreline and Alongshore Details

See Item 31

36. Offshore Details

See Item 31

37. Landmarks and Aids

Landmarks and aids previously located during the compilation of the above mentioned charts were transferred to the manuscripts. In addition, Quicks Hole Ledge Lighted Buoy 2, was identified on the 1963 panchromatic photography and a position submitted. Two landmarks on T-12474 and T-12473 are recommended and positions given.

38. Control for Future Surveys

None

39. Junctions

A satisfactory junction was made with adjoining sheets. (See project T-sheet layout)

40. Horizontal and Vertical Accuracy

See bridging report filed in the Descriptive Report for ~~Chart 263.~~ T-12498

41. - 45. Inapplicable

46. Comparison with Existing Maps

A comparison was made with surveys T-5744 and 5745, scale 1:10,000, dated 1959 and compiled from 1948 photography. T-12499

47. Comparison with Nautical Charts

The recently compiled chart drawings for ~~Charts 260~~, ~~263~~, ~~264~~, and ~~348~~ T-12497 were used as the compilation base for these manuscripts. With the exception of slight shoreline changes apparent with the 1963 photography, the shoreline manuscripts and the chart drawings are in agreement. The above mentioned charts as now published, have not yet applied the newly compiled data. T-12496 T-12498

Submitted by:

R. A. Carter
R. A. Carter

Approved by:

K. N. Maldi 11/8/63
K. N. Maldi
Chief, Compilation Section

(10)

Project ~~21070~~ PH-631
Elizabeth Islands, Mass.

49. Notes for the Hydrographer

The bridging photography was color. Ratios of this photography were not ordered for hydro support. The color photography, taken at low tide, afforded optimum definition of offshore details, therefore there are many more rocks and other foreshore details shown on the compilation than are discernable on the infrared and panchromatic ratio photographs prepared for hydro support.

Quicks Hole Ledge Lighted Buoy 2 was located since the last chart compilation and a position given for verification.

REVIEW REPORT
T-12471 thru T-12475
SHORELINE SURVEY
JUNE 1976

61. GENERAL STATEMENT

With the exception of some shoreline revision, maps T-12471 through T-12475 are copies of job PH-6102 chart topography maps. Refer to the Compilation Report for details of delineation.

The chart topography maps were field edited in April and May 1962 prior to their use for this project. This qualifies maps T-12471 through T-12475 for Class II classification, and clarifies the note, DATE OF FIELD ~~EDIT~~ INSPECTION - 1962, which is located in the legend on each map.

Comparison was not made with registered topographic surveys, maps of other agencies, or nautical charts. Because of the inadequacy in a portion of this compilation (refer to item 66) a new project has been assigned. The new project is CM-7407; a copy of the instruction is included with the Job Completion Report. Copies of T-12474 through T-12475 have been furnished to the compilation office for comparison.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Refer to item 61.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Refer to item 61.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

H-8902	1:10,000	1966
H-8903	1:10,000	1966
H-8904	1:10,000	1966

Comparison was made with the final reviewed hydrographic surveys. Several rocks had not been carried forward; reference to these was made by the hydro reviewer in the report for H-8904. A more detailed comparison of the hydro surveys will be made with the new photogrammetric survey when it is available. Refer to item 66 of this report.

65. COMPARISON WITH NAUTICAL CHARTS

Refer to item 61.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

The chart topography maps used in this survey, that were either 1:20,000 or 1:40,000 scale originally, are not considered adequate to insure compliance with NOS requirements for mapping, when reduced to the 1:10,000 scale.

New basic shoreline will supersede this project. Refer to instructions dated November 14, 1975.

Submitted by:

J. B. Phillips

Approved:

Chief, Photogrammetric Branch JB

Chief, Coastal Mapping Division

48. Geographic Names List

Bachelor Island
Baret Island
Bull Island
Buzzards Bay
Canapitsit Channel
Cedar Island
Copicut Neck
Crescent Beach
Cuttyhunk
Cuttyhunk Harbor
Cuttyhunk Island
Cuttyhunk Pond
Elizabeth Islands
Fox Point
French Watering Place
Goats Neck
Gosnold Pond
Gull Island
Hadley Harbor
Inner Harbor
Jobs Neck
Kettle Cove
Knox Point
Lackeys Bay
Middle Gate
Middle Pond
Monohansett Island
Monsod Bay
Nashawena Island
Naushon Island
Naushon Point
Nohamesset Island
North Point
North Rock
Northwest Gutter
Pasque Island
Pease Ledge
Penikese Island
Quicks Hole
Quicks Hole Pond
Rams Head
Robinsons Hole
Rock Island
Silver Beach
South Bluff
South Rock
Tarpaulin Cove
The Neck
Timmy Point
Uncatena Island
Veckatimest Island
Vineyard Sound
Weepecket Islands
West Beach
Westend Pond
West Gutter
Witches Glen

East Gutter
Woods Hole

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T-12471thru12475 PROJECT NO. 21070 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
Naushon	Zone 2	NA	164,224.63			4224.63	
Southwest2,1887	p.11	1927	120,788.95			788.95	
Naushon South-west 2,1887 Sub. Pt. 1		"	164,246.06			4246.06	
			120,840.52			840.52	
Sub. Pt. 2		"	164,125.21			4125.21	
			120,742.38			742.38	
Tarpaulin Cove Lighthouse ~~1940~~ 1904	Zone 2 p. 12	"	170,883.80			883.8	
			129,282.21			4282.21	
Nashawena Is. Gable of North House 1913		"	159,389.45			4389.45	
			99,340.91			4340.91	
Pasque 1844	Zone 2 p. 9	"	163,863.09			3863.09	
			108,265.50			3265.50	
Pasque 1844 Sub. Pt. 1		"	163,911.42			3911.42	
			108,355.97			3355.97	
Penikese 1948	Zone 2 p. 14	"	164,602.07			4602.07	
			83,771.67			3771.67	
Penikese 1948 Sub. Pt. 1		"	164,564.08			4564.08	
			84,004.25			4004.25	
Nashawena Is. Tower 1913		"	155,724.58			724.58	
			96,666.76			1666.76	
Gosnolds Monument 1904	Zone 2 p. 11	"	151,180.95			1180.95	
			76,965.18			1965.18	

(17)

1 FT. = .3048006 METER

COMPUTED BY: R. Carter DATE 10-25-63 CHECKED BY: J. Battley DATE 11-1-63

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE — COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T-12471thru12475 PROJECT NO. ..... SCALE OF MAP ..... SCALE FACTOR .....

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
	Zone	NA	150,395.06			395.06	
Extra 1948	2 p.14	1927	79,247.25			4247.25	
Extra 1948		"	150,379.92			379.92	
RM 1			79,281.93			4281.93	
Naushon	Zone 2	"	178,676.69			3676.69	
1844	p. 9		133,518.88			3518.88	
Forbes House		"	186,165.05			1165.05	
North Chimney 1913			142,075.78			2075.78	
Naushon 1844		"	178,683.74			3683 (1263)	
Sub. Pt. 1			133,736.84			3737 (1263)	

(51)

1 FT. = .3048006 METER

COMM-DC-57843

COMPUTED BY: ..... DATE ..... CHECKED BY: ..... DATE .....

Form 567
(10-15-58)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

[redacted] OR LANDMARKS FOR CHARTS

TO BE CHARTED
[redacted]
} STRIKE OUT TWO

Oct. 25, 1963

I recommend that the following objects which have [redacted] been inspected from seaward to determine their value as landmarks be charted on [redacted] the charts indicated.

The positions given have been checked after listing by J. Battley

Chief of Party.

STATE / CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LATITUDE ″ D.M. METERS	LONGITUDE ° ′	LONGITUDE ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	West Gable 1½ story			13.73		18.66	N A	Photo	9-12				
House	Gray Shingle House		41 27	423.6	70 48	433.2	1927	Plot	1962				T-12474
				6.72		45.4		Photo	9-12				
Tank	Water Tank, Wood		41 27	207.4	70 48	1053.7	"	Plot	1962				T-12473
	Quicks Hole Ledge			40.07		43.58		Photo	Oct.				
Buoy	Lighted Buoy 2		41 26	1236.3	70 50	1011.7	"	Plot	1963				T-12473
	See Descriptive Reports for Charts 260, 263, 264, 348 for other Landmarks and Aids covering the Entire Area.												

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.

* TABULATE SECONDS AND METERS

USCOMM-DC 27126

(21)

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-12471 THRU T-12475

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 Revie

CHART	DATE	CARTOGRAPHER	REMARKS
263 (13231)	9-14-76	S. M. Hill	Full ~~Part~~ ~~Before~~ After ~~Verification~~ Review ~~Inspection~~ Signed Via
			Drawing No. 9
264 (13233)	9-14-76	S. M. Hill	Full ~~Part~~ ~~Before~~ After ~~Verification~~ Review ~~Inspection~~ Signed Via
			Drawing No. 9
114 SC (13229)	9-22-76	S. M. Hill	Full ~~Part~~ ~~Before~~ After ~~Verification~~ Review ~~Inspection~~ Signed Via
			Drawing No. 13
249 (13230)	9-28-76	S. M. Hill	Full ~~Part~~ ~~Before~~ After ~~Verification~~ Review ~~Inspection~~ Signed Via
			Drawing No. 38
1210 (13218)	4-25-77	Josephine R. Harris	~~Full~~ ~~Part~~ ~~Before~~ (After) ~~Verification~~ (Review) ~~Inspection~~ Signed Via
			Drawing No. 58 APPLIED CORRECTIONS THRU
			CHART 249 (13230)
			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.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.

FORM C&GS-8352 SUPERSEDES ALL EDITIONS OF FORM C&GS-976.

USCOMM-DC 8858-P63