

TP-00168

TP-00168

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline.....

Job No. PH-7004 Map No. TP-00168

Classification No. Field Edited Map Edition No.

LOCALITY

State Massachusetts

General Locality Race Point - Chatham

Locality Newcomb Hollow Beach

1970 TO 1971

Alfred C. Holmes, Director, AMC

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>00168</u> MAP EDITION NO. () MAP CLASS JOB PH. <u>7004</u>
PHOTOGRAMMETRIC OFFICE Atlantic Marine Center-Norfolk, VA		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
OFFICER-IN-CHARGE Melvin J. Umbach, CDR, NOAA		JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
December 3, 1970 March 5, 1971		August 12, 1970	
II. DATUMS			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)	
3. MAP PROJECTION Polyconic		4. GRID(S)	
		STATE MASS	ZONE Mainland
5. SCALE 1:10,000		STATE	ZONE
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY J.D. Perrow, Jr. METHOD: Stereoplanigraph LANDMARKS AND AIDS BY			Feb. 1971
2. CONTROL AND BRIDGE POINTS PLOTTED BY P. Dempsey METHOD: Coradomat CHECKED BY "			Mar. 8/71 Mar. 4/71
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY J. Bulfer COMPILATION CHECKED BY R. White INSTRUMENT: Wild B-8 CONTOURS BY Inapplicable SCALE: 1:10,000 CHECKED BY "			May 3/71 May 3/ 71
4. MANUSCRIPT DELINEATION PLANIMETRY BY J. Bulfer CHECKED BY B. Wilson METHOD: Wild B-8 & Graphic CONTOURS BY Inapplicable CHECKED BY "			May 6/71 May 18/71
SCALE: 1:10,000 HYDRO SUPPORT DATA BY J. Bulfer CHECKED BY B. Wilson			May 5/ 71 May 16/71
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY B. Wilson			May 18/71
6. APPLICATION OF FIELD EDIT DATA BY R.White			Mar. 2/72
CHECKED BY L. Neterer			Mar. 3/72
7. COMPILATION SECTION REVIEW BY S. Kumer			July 31/73
8. FINAL REVIEW BY C. Bishop			July 31/73
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY			
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY S. Blankenbaker			Mar. 1975
11. MAP REGISTERED - COASTAL SURVEY SECTION BY R. CATOR			JULY 1975

ESSA FORM 76-36b
(2-70)U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

COMPILATION SOURCES TP-00168

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "L"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR <input checked="" type="checkbox"/> (P) PANCHROMATIC (I) INFRARED		ZONE Atlantic MERIDIAN 75th	
				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
70-L-(c)-8287 thru 8290	Sept. 12/70	11:50 EST	1:20,000	2.6 ft. above MLW	
70-L-(c)-8310 & 8311	"	12:01 EST	"	2.3 ft. above MLW	
70-L-(c)-8317	"	12:06 EST	"	2.1 ft. above MLW	
REMARKS					

2. SOURCE OF MEAN HIGH-WATER LINE:

Air Photo Compilation.
Date of Photography - Sept. 12, 1970.

3. SOURCE OF MEAN LOW-WATER

Sept. 12, 1970

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00167	None	TP-00169	No Contemporary Survey

REMARKS

HISTORY OF FIELD OPERATIONS TP-00168

I. <input checked="" type="checkbox"/> FIELD INSPECTION OPERATION <i>* Field inspection operation</i>		<input checked="" type="checkbox"/> FIELD EDIT OPERATION	
OPERATION	NAME	DATE	
1. CHIEF OF FIELD PARTY	J. Wilson	Sept. 1970	
2. HORIZONTAL CONTROL <i>*</i> RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	E. Hartford	Sept. 10/70	
	None		
	E. Hartford	Sept. 10/70	
3. VERTICAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	Inapplicable		
	"		
	"		
4. LANDMARKS AND AIDS TO NAVIGATION RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	E.W. Hartford	Nov. 3/71	
	None		
	E.W. Hartford	Nov. 3/71	
5. GEOGRAPHIC NAMES INVESTIGATION TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION			
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	E.W. Hartford	Nov. 3/71
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	None	
II. SOURCE DATA			
1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
Two		Inapplicable	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
70-L-(c)-8212	Frazier, 1957 <i>*</i>		
70-L-(c)-8220	"		
70-L-(c)-8214	Truro Corner 8, 1887		
70-L-(c)-8222	" " "		
3. PHOTO NUMBERS (Clarification of details)			
70-L-8287, 8288, 8289, 8291, & 8311			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED			
2 Landmarks and no aids on the above photographs (2 landmarks not identified on photographs.)			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
70-L-8288	Dome, 1971		
70-L-8311	Lookout Tower 1971		
5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS			
None			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)			
1 form 76-40, 2 forms 152, 5 forms 526, 1 report in duplicate.			

RECORD OF SURVEY USE TP-00168

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete Pending Field Edit	May 6/71	Class III Manuscript		5/24/71
Field Edit Applied	Mar. 2/72	Class I Manuscript		
Final Review	July 1973	CHART MAINT. PRINT	10/1/73	
FINAL REVIEW	AUG. 5 1974	CHART MAINT. PRINT * See below	3/10/75	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		8/1/73	Landmarks for charting.

2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
 3. REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. BRIDGING PHOTOGRAPHS; DUPLICATE BRIDGING REPORT; COMPUTER READOUTS.
 2. CONTROL STATION IDENTIFICATION CARDS; FORM NOS 567 SUBMITTED BY FIELD PARTIES.
 3. SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:
 4. DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: MAR. 10, 1975

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

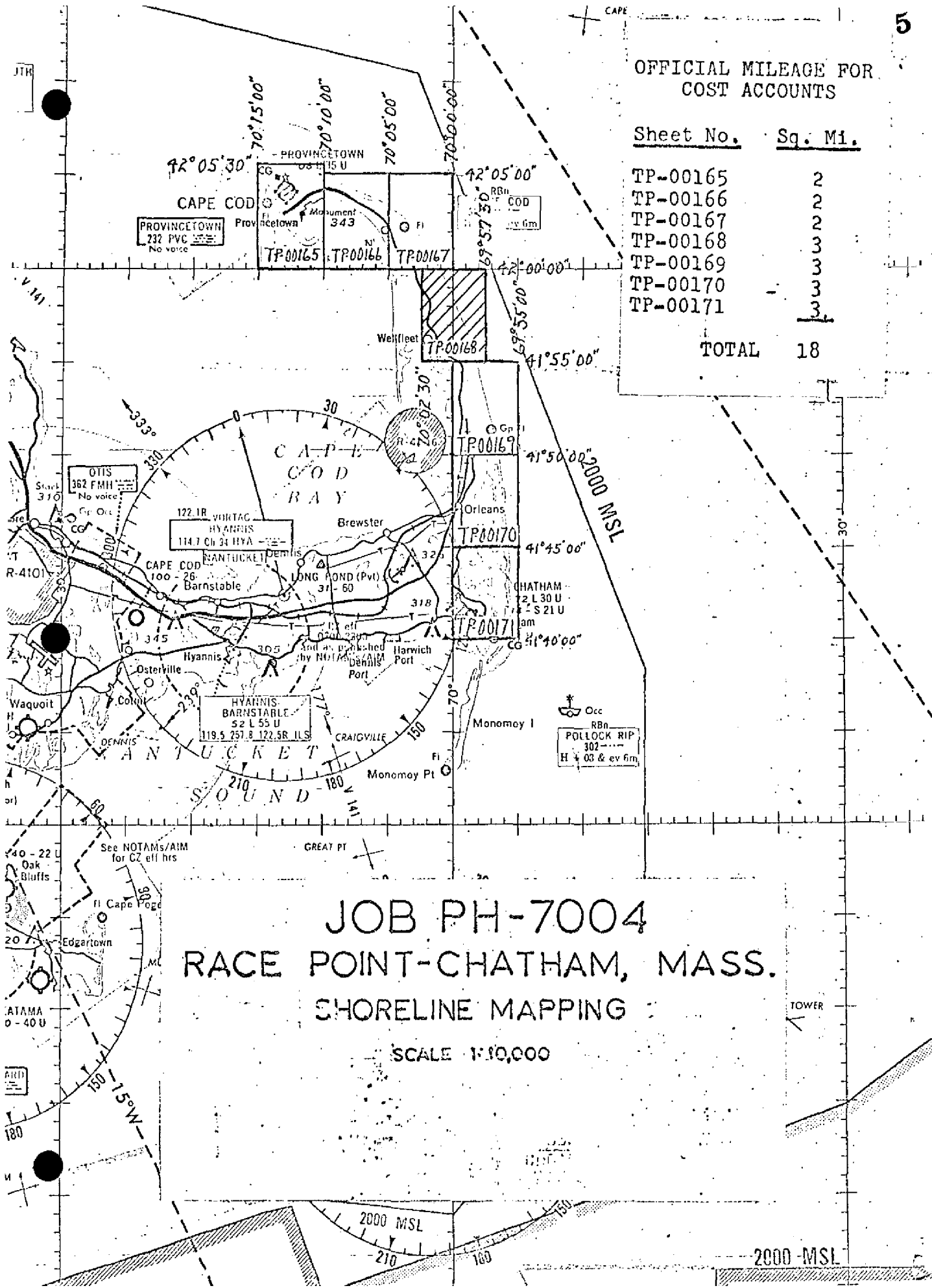
SECOND EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY
	TP - _____ (2)	PH - _____	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
THIRD EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY
	TP - _____ (3)	PH - _____	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
FOURTH EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY
	TP - _____ (4)	PH - _____	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL

OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No. Sq. Mi.

TP-00165	2
TP-00166	2
TP-00167	2
TP-00168	2
TP-00169	2
TP-00170	2
TP-00171	2

TOTAL 18



JOB PH-7004
 RACE POINT-CHATHAM, MASS.
 SHORELINE MAPPING

SCALE 1:10,000

TOWER

2000 MSL

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS TP-00165 THROUGH TP-00171

These 1:10,000 scale shoreline manuscripts comprise Project PH-7004, Cape Cod, Massachusetts. The shoreline on this project is mostly sandy beach along the Atlantic Ocean. The position of the mean high water line, the mean low water line, shoals close to shore and channel into Nauset Harbor are subject to continuous change. The job index in the lower left corner of each sheet shows the location of each map in the project.

The only field work preceding compilation was the identification of horizontal control necessary for bridging.

The C-8 Stereoplanigraph was used for bridging to provide control for compilation, using 1:15,000 and 1:20,000 scale color photography taken on September 12, 1970. Compilation was by Wild B-8 Plotter in the spring of 1971. Stable base copies of the map and ratio color prints of the photographs were furnished for hydro support.

Field edit was accomplished by an experienced photogrammetrist ~~in the summer of 1970 and~~ in the fall of 1970.

Final review was done at the Atlantic Marine Center in July and August, 1973.

A cronaflex positive and a negative of the final reviewed manuscript were forwarded for record and registry.

FIELD INSPECTION REPORT

PH-7004

TP-00168

There was no field inspection prior to compilation.

Photogrammetric Plot Report
Race Point - Chatham, Massachusetts
Job PH-7004
February 1971

21. Area Covered

The project covers part of Cape Cod, Massachusetts, from Race Point to Chatham. Included in the area are sheets TP-00165 thru TP-00171.

22. Method

Five bridges were run on the C-8 Stereoplanigraph to provide control for compilation, and ratio points for the offshore photography. All strips were adjusted on the IBM 1620. Strip # 1 (70-L(C)-8200 thru 8214) was adjusted on four triangulation stations with companion points, and four additional triangulation stations as checks. This adjustment did not give the best results, since it did not hold the two central points by approximately seven feet. However, the strip was balanced and other control points proved that the answers were the best that could be expected with a number of weak alongshore models. Strip # 2 (70-L(C)-8221 thru 8228) was adjusted on four triangulation stations with three additional stations and six tie points as checks. Strip # 3 (70-L(C)-8238 thru 8249) was adjusted on four triangulation stations with five stations and ten tie points as checks. Strip # 4 (70-L(C)-8232 thru 8236) was adjusted on five triangulation stations with four companion points and seven tie points as checks. Strip # 5 (70-L(C)-8276 thru 8281) was adjusted on five triangulation stations with two stations and eight tie points as checks. All triangulation stations, pass points and ratio points were prepared and plotted on the map manuscripts. Vertical adjustments of these strips are only approximate and should not be relied on for vertical control.

23. Adequacy of Control

All control was adequate and complied with project instructions. All stations held within National Map Accuracy.

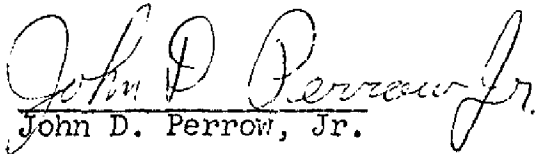
24. Supplemental Data

Local GS quads were used to provide vertical elevations for adjustments.

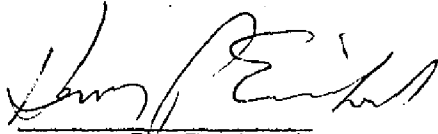
25. Photography

All photography was adequate as to overlap, definition and quality. Coverage by individual strips could have been changed to provide more land areas in the models.

Submitted by:


John D. Perrow, Jr.

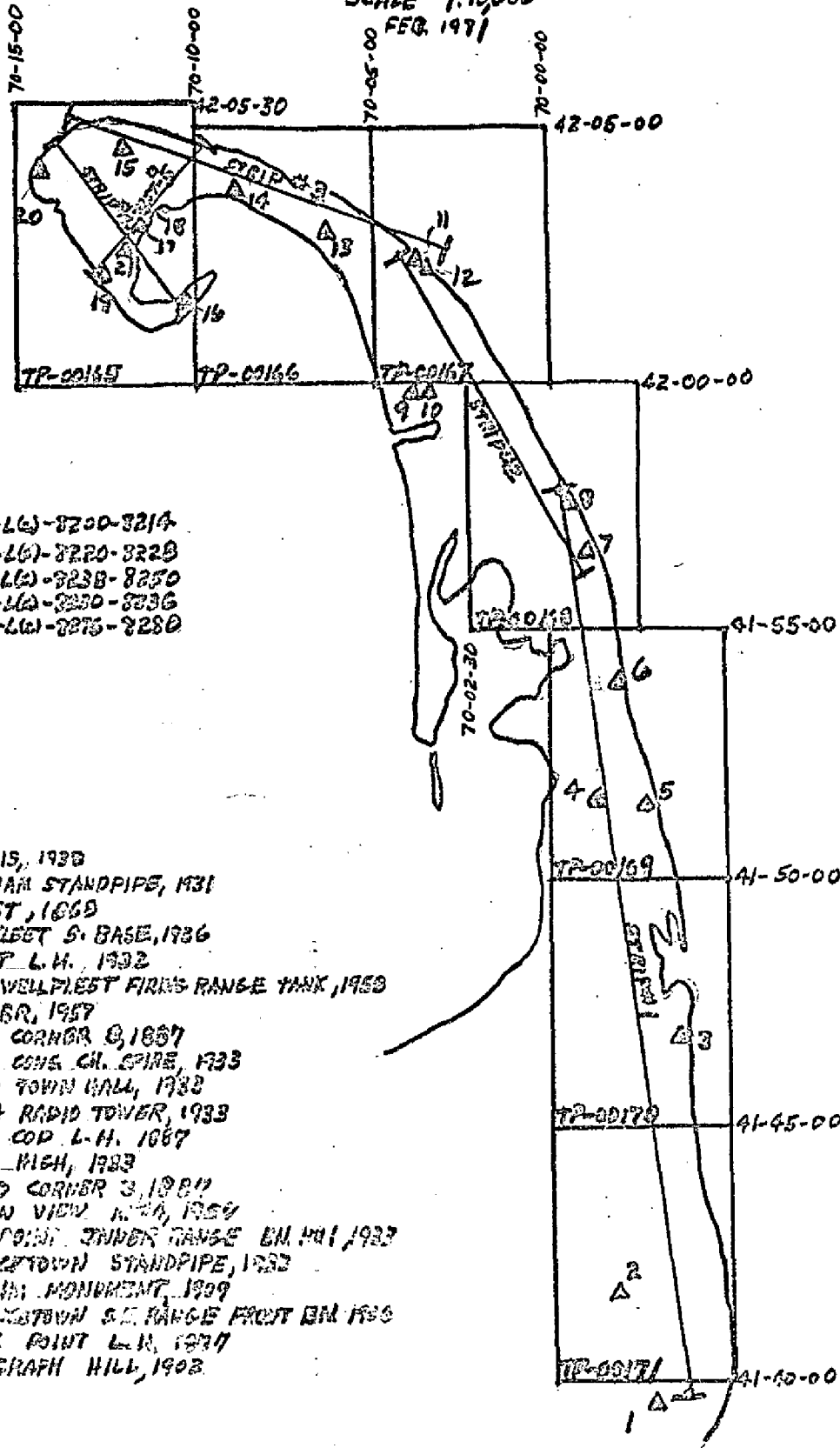
Approved by:


Henry P. Eichert
Chief, Aerotriangulation Section

PH-7004 RACE POINT - CHATHAM, MASS.

SCALE 1:10,000

FEB. 1971



- STRIP#1 70-L6)-8200-8214
- STRIP#2 70-L6)-8220-8229
- STRIP#3 70-L6)-8238-8250
- STRIP#4 70-L6)-8250-8236
- STRIP#5 70-L6)-8275-8280

1. MORRIS, 1938
2. CHATHAM STANDPIPE, 1931
3. POCKET, 1668
4. WELLFLEET S. BASE, 1936
5. NAUSSET L. H., 1932
6. CAMP WELLFLEET FIRMS RANGE TANK, 1959
7. FRAZIER, 1957
8. TRURO CORNER 8, 1887
9. TRURO CORN. CH. SPIRE, 1933
10. TRURO TOWN HALL, 1932
11. SOUTH RADIO TOWER, 1933
12. CAPE COD L. H. 1887
13. HEAD-HIGH, 1933
14. TRURO CORNER 3, 1887
15. OCEAN VIEW L. H., 1959
16. LONG POINT JUNIOR RANGE BM 491, 1923
17. PROVINCETOWN STANDPIPE, 1933
18. PILGRIM MONUMENT, 1939
19. PROVINCETOWN S.E. RANGE FRONT BM 490
20. RACE POINT L. H., 1937
21. TELEGRAPH HILL, 1902

COMPILATION REPORT

TP-00168

31. DELINEATION

This B-8 plotter was used except for the area between latitude 41°55'30" to 56'30" which was compiled graphically. There was no field inspection prior to delineation. Photography was adequate as to area, excellent as to definition, but not tide controlled.

32. CONTROL

See "Photogrammetric Plot Report", dated February, 1971.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage--none.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line was delineated by office interpretation of the photos which were taken at about mid-stage of tide.

The foreshore area and mean low water line were delineated from photos with 2.6 feet of tide. *(Refer to Final Review Report)*

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

One Form 76-40 Landmarks for Charting was sent to Rockville Office on August 1, 1973.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

See Form 76-36b, item 5.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. FIELD EDIT

Field edit was very good. All questions were answered.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with USGS Quadrangle WELLFLEET, MA, scale 1:24,000, dated 1958.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with Chart 581, scale 1:40,000, 3rd Edition, dated March 4, 1968 and Chart 1208, scale 1:80,000, 15th Edition, dated Oct., 31, 1970.

ITEMS TO BE APPLIED TO CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD


None

Respectfully submitted:


Charles H Bishop

for J. Bulfer
 Cartographer
~~May 7, 1971~~
 August 2, 1973

Approved for forwarding:


Melvin J. Empeach, CDR, NOAA
Chief, Coastal Mapping Division, AMC

Approved:


Alfred C. Holmes
RADM, NOAA
Director, Atlantic Marine Center

July 5, 1973

GEOGRAPHIC NAMES

FINAL NAME SHEETS

Ph-7004 (Mass)

Tp-00168

Atlantic Ocean

Cahoon Hollow

Cahoon Hollow Beach

Cape Cod

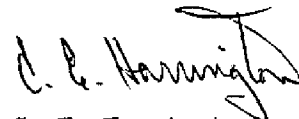
Le Count Hollow

Le Count Hollow Beach

Newcomb Hollow

Newcomb Hollow Beach

Wellfleet by the Sea

C. E. Harrington
Geographic Names

FORM C&GS-1002 (9-66)		U.S. DEPARTMENT OF COMMERCE ESSA COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW TP-00168			
1. PROJECTION AND GRIDS BW	2. TITLE BW	3. MANUSCRIPT NUMBERS BW	4. MANUSCRIPT SIZE BW
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY BW		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) XX	7. PHOTO HYDRO STATIONS XX
8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT XX	11. DETAIL POINTS BW
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE BW	13. LOW-WATER LINE BW (Don't approve it)	14. ROCKS, SHOALS, ETC. None	15. BRIDGES XX
16. AIDS TO NAVIGATION BW	17. LANDMARKS BW	18. OTHER ALONGSHORE PHYSICAL FEATURES BW	19. OTHER ALONGSHORE CULTURAL FEATURES BW
PHYSICAL FEATURES			
20. WATER FEATURES BW		21. NATURAL GROUND COVER XX	22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES BW
CULTURAL FEATURES			
27. ROADS BW	28. BUILDINGS BW	29. RAILROADS XX	30. OTHER CULTURAL FEATURES BW
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES BW		34. JUNCTIONS BW	35. LEGIBILITY OF THE MANUSCRIPT BW
36. DISCREPANCY OVERLAY BW	37. DESCRIPTIVE REPORT BW	38. FIELD INSPECTION PHOTOGRAPHS XX	39. FORMS BW
40. REVIEWER B. Wilson May 18, 1971		SUPERVISOR, REVIEW SECTION OR UNIT A. C. Rauck, Jr.	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILED BY R.K. White March 2, 1972		SUPERVISOR A.C. Rauck, Jr.	
43. REMARKS Reviewer: L.O. Neterer, Jr. Mar. 3/72			
Field Edit Applied From: Field edit ozalid, Field photos 70-L-(c)-8287, 8288, 8289, 8291, 8311.			
1 Form 76-40 2 Form 152 5 Form 526			

FIELD EDIT REPORT
Job-7004
Race Point to Chatham Mass.
TP-00168

This report is submitted for map TP-00168 field edited October and November 1971. This map was compiled without field inspection prior to compilation, therefore, a complete and thorough field edit was made.

All of the shoreline in this map is in the National Seashore Park, it has very high bluffs along the shore with only a few breaks, inshore there is low brush and scrub pine and oak.

51 METHODS

Field edit was accomplished by the following methods, by skiff and truck travel and by walking sections of the shoreline.

All discrepancies on the field edit sheet have been verified on the sheet or referenced to a photograph. All notations on the field edit sheet and photographs have been made in violet ink.

Notations for this map are on the following Photos.
70-L-8287, 8288, 8289, 8291 and 8311

52 ADEQUACY OF COMPILATION

The compilation of this map appeared to be good.

54 RECOMMENDATIONS

None

55 GEOGRAPHIC NAMES

No discrepancies was noted in this map area in geographic names.

56 NAUTICAL LANDMARKS AND FIXED AIDS

All landmarks for this map was inspected and submitted on form 76-40, there are no aids in the area of this map

57 BLUFFS

Compilation of this feature appeared very good, some hights are noted directly on the field edit sheet, other corrections are noted on the field edit sheet and referenced to a photograph.

58 LANDMARK BUILDINGS AND ROADS

There are no landmark buildings in this map area, corrections for roads are noted on the field edit sheet and referenced to a photograph.

Submitted by
E. W. Hartford
E. W. Hartford
Nov. 3. 1971

REVIEW REPORT TP-00168

SHORELINE

July 13, 1973

61. GENERAL STATEMENT

See Summary on page 6 of this Descriptive Report.

See Addendum, Page 20B

An ozalid comparison print is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

No registered topographic surveys covering the area were available for comparison.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S.G.S. Quadrangle WELLFLEET, MA, scale 1:24,000, dated 1958. Shoreline differences were shown on the comparison print in brown.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with Boat Sheet H-9226 (PE-20-1-71). Some mean high water line differences were noted. They were shown on the comparison print in purple.

No mean low water line was shown on TP-00168 in the Class I or final reviewed stages of compilation and none was shown on the boat sheet.

65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with Chart 1280, 1:80,000 scale, 17th edition, dated October 21, 1972. No significant differences were noted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with project instructions and meets the National Standards of Map Accuracy.

Reviewed by:

Charles H. Bishop

Charles H. Bishop
Cartographer

Approved for forwarding:

Mevin J. Umbach
Mevin J. Umbach, CDR, NOAA
Chief, Coastal Mapping Division, AMC

Approved:

Alfred C. Holmes
Alfred C. Holmes, RADM, NOAA
Director, Atlantic Marine Center

Approved:

D. K. Anderson *Wesley Hill*
Chief, Photogrammetric Branch Chief, Coastal Mapping Division

ADDENDUM TO REVIEW REPORT

AUGUST 1, 1974

The measurements to the MHWL, supplied by the field editor, were too widely spaced to up-date the entire shoreline and produced an illogical inconsistency. On the advice of Rockville Quality Control Authority, the shoreline was re-delineated to conform to its location as of the date of photography. *Adjusted shoreline appears on the comparison sheets in ball point pen.*

Bernard Kurs
Bernard Kurs
Cartographer

70 L(C) 8286

(Joins TP-00167)

30" 70°01' X=1,005,000ft 00'30" 70°

PAMET ROAD SOUTH

Buff 45ft

Buff 45ft

Buff 45ft

COMPARISON PRINT

Purple = H-9226

Brown = U.S.G.S.

Pen = Adjusted Shoreline

59'30"

70 L(C) 8287

41°59'

TP-00168

1:10,000

70°00'00"

59°30"

22

70L(C)8288



✓

58°30"

✓

COMPARISON PRINT

Purple = H-9226

Brown = U.S.G.S.

Pen = Adjusted Shoreline

✓

✓

610.8 ± 0.1 ft

TRURO CORNER B, 1887

41°58"

Newcomb Hollow

Parking

610.3 ± 0.1 ft

Newcomb Hollow Beach

610.1 ± 0.1 ft

TP-00168

1:10,000

A

2

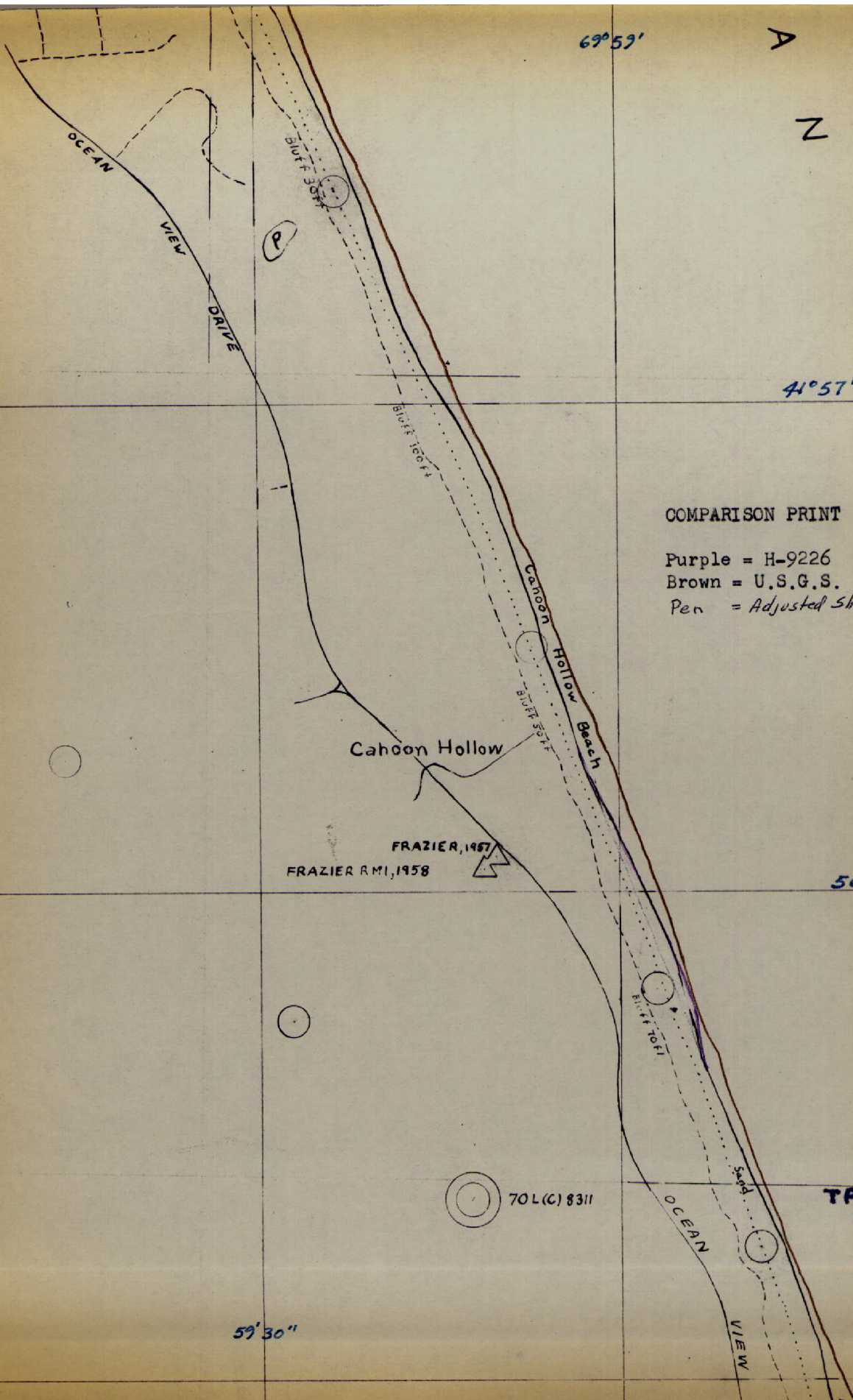
P

69°59'

A

23

Z



41°57'

COMPARISON PRINT

Purple = H-9226

Brown = U.S.G.S.

Pen = Adjusted Shoreline

Cahoon Hollow

FRAZIER, 1957

FRAZIER R.M.I., 1958

56°30''

70L(C) 8311


TP-00168

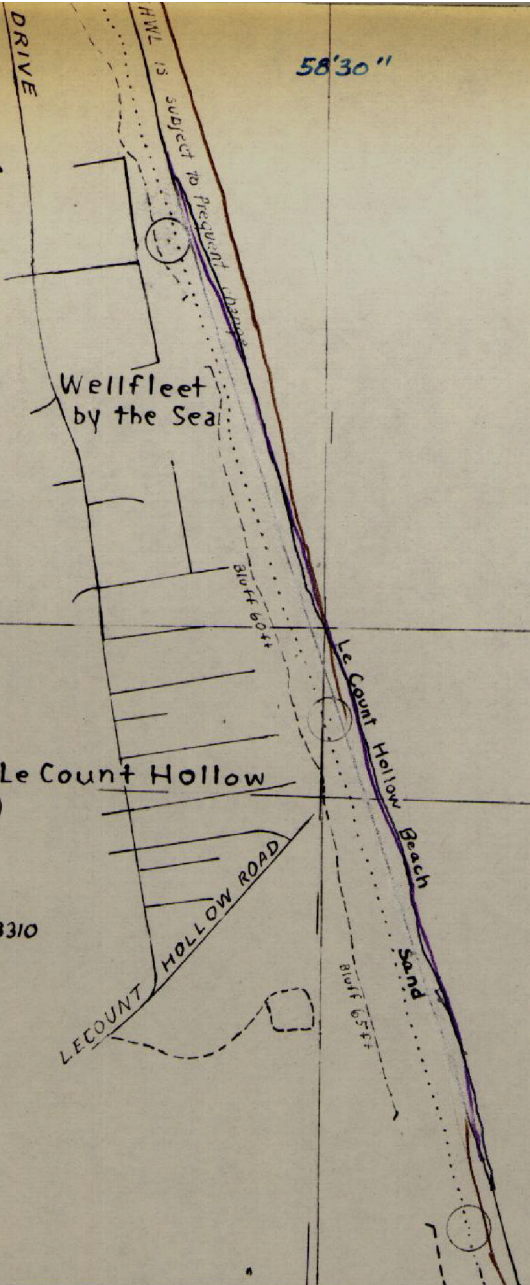
1:10,000

59°30''

69°59'

58'30"


LOMBARD HEAD, 1947 



COMPARISON PRINT

Purple = H-9226
 Brown = U.S.G.S.
 Pen = Adjusted Shoreline

55'30"

70L(C) 8310 

59'

x: 1,015,000 ft.

58'30"

69°58'

41-55-00

Control station of third-order or higher accuracy
 Control station of less than third-order accuracy
 The approximate mean high water
 Surveyed by photogrammetric methods, from aerial photographs

Sept 1970
 None
 May 1971
 Nov 1971
 July 1973

NATIONAL OCEAN SURVEY
 SHORELINE MANUSCRIPT

TP-00168

MASSACHUSETTS
 RACE POINT-CHATHAM
 NEWCOMB HOLLOW BEACH

SCALE 1:10,000
 (1 inch = 833.33 ft.)
 CONTROL DATA

Polyconic projection: 1927 North American Datum
 5,000 foot grid based on MASSACHUSETTS (Mainland) plane coordinate system
 Datum plane: Mean High Water