

TP-00169

TP-00169

NOAA FORM 76-35	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Type of Survey <u>Shoreline</u>	
Job No. <u>PH-7004</u>	Map No. <u>TP-00169</u>
Classification No. Field Edited Map	Edition No.
LOCALITY	
State <u>Massachusetts</u>	
General Locality <u>Race Point To Chatham</u>	
Locality <u>Nauset Beach (North)</u>	
<hr/> 19 70 TO 1972 <hr/> 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 TF. <u>00169</u> MAP EDITION NO. () MAP CLASS JOB PH. <u>7004</u>
PHOTOGRAMMETRIC OFFICE Atlantic Marine Center-Norfolk, VA OFFICER-IN-CHARGE Melvin J. Umbach, CDR, NOAA		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED 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:		OTHER (Specify)	
<input checked="" type="checkbox"/> 1927 NORTH AMERICAN			
2. VERTICAL:		OTHER (Specify)	
<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			
3. MAP PROJECTION		4. GRID(S)	
Polyconic		STATE	ZONE
		MASS	Mainland
5. SCALE		STATE	ZONE
1:10,000			
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY		J. Perrow, Jr.	Feb. 1971
METHOD: Stereoplanigraph LANDMARKS AND AIDS BY			
2. CONTROL AND BRIDGE POINTS PLOTTED BY		P. Dempsey	Mar. 4/71
METHOD: Coradomat CHECKED BY		"	" "
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY		L.O. Neterer Jr.	Mar. 25/71
COMPILATION CHECKED BY		R. White	Mar. 25/71
INSTRUMENT: Wild B-8		Contours BY	Inapplicable
SCALE: 1:15,000		CHECKED BY	"
4. MANUSCRIPT DELINEATION PLANIMETRY BY		C. Blood	Apr. 20/71
CHECKED BY		L.L. Graves	May 11/71
METHOD: Wild B-8		Contours BY	Inapplicable
CHECKED BY		"	
SCALE: 1:10,000 HYDRO SUPPORT DATA BY		C. Blood	Apr. 7/71
CHECKED BY		L.L. Graves	May 10/71
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		L.L. Graves	May 12/71
CHECKED BY		S. S. Kumer	Nov. 30/72
6. APPLICATION OF FIELD EDIT DATA BY		R.R. White	Dec. 7/72
CHECKED BY		S. Kumer	Aug. 2/73
7. COMPILATION SECTION REVIEW BY		C. Bishop	Aug. 1973
8. FINAL REVIEW BY			
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. T. CATDR	JULY 1975

COMPILATION SOURCES TP-00169

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "L"		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR <input checked="" type="checkbox"/> (P) PANCHROMATIC (I) INFRARED	TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY			ZONE Atlantic	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
			MERIDIAN 75th	

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
70-L-(c)-8305 thru 8308	Sept.12/70	11:58	1:20,000	2.4 ft. above MLW
70-L-(c)-8309	Sept.12/70	12:01	1:20,000	2.3 ft. " "
70-L-(c)-8317 & 8318	Sept.12/70	10:06	1:20,000	2.1 ft. " "
70-L-(c)-8319 thru 8322	Sept.12/70	10:07	1:20,000	2.3 ft. " "
70-L-(c)-8208	Sept.12/70	10:33	1:30,000	4.4 ft. " "

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

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

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

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 TP-00168	EAST None	SOUTH TP-00170	WEST Contemporary Survey
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REMARKS

HISTORY OF FIELD OPERATIONS TP-00169

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.K. Wilson	Sept. 10/70	
2. HORIZONTAL CONTROL <input checked="" type="checkbox"/>	RECOVERED BY	E. Hartford	Sept. 10/70
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	E. Hartford	Sept. 10/70
3. VERTICAL CONTROL	RECOVERED BY	Inapplicable	
	ESTABLISHED BY	"	
	PRE-MARKED OR IDENTIFIED BY	"	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY	W. Mottern	Nov. 1972
	LOCATED (Field Methods) BY		
	IDENTIFIED BY	W. Mottern	Nov. 1972
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	J. Davis & W. Mottern	Oct, Nov. 72
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY		
II. SOURCE DATA			
1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
One		Inapplicable	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
770-L-(c)-8209	Wellfleet South Base, 1936		
	<input checked="" type="checkbox"/>		
3. PHOTO NUMBERS (Clarification of details)			
70-L-8207, 8305			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED			
1 Landmark on above photo (1 landmark & Aid not Identified on Photo).			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
70-L-(c)-8305	Cupola		
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)			
2 form 76-40, 4 form 526, 1 copy of field edit report.			

RECORD OF SURVEY USE TP-00169

I. MANUSCRIPT COPIES				
COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete Pending Field Edit.	April/71	Class III Manuscript		5/14/71
Field Edit Applied	Nov. 1972	Class I Manuscript		
Final Review	Aug. 1973	CHART MAINT. PRINT	10/1/73	

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
1		8/1/73	Aids to Navigation 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

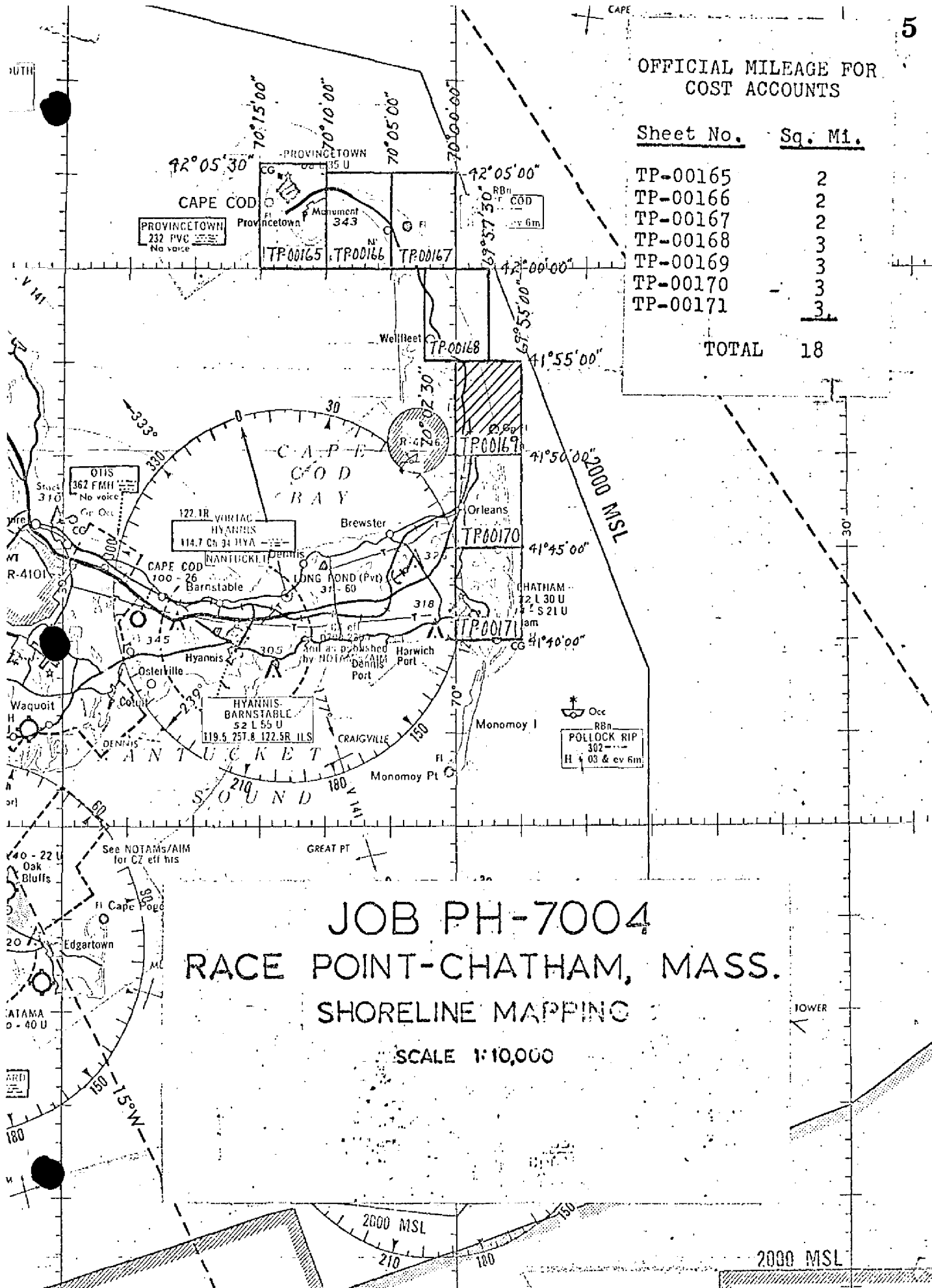
IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)			
SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

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	3

TOTAL 18



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

SCALE 1:10,000

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 1971 and~~ in the fall of 1972.

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

TP-00169

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for the aerotriangulation of the project.

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.

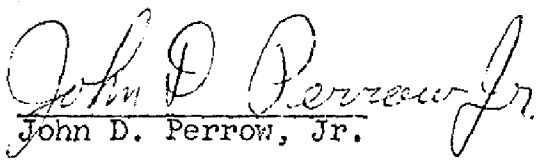
24. Supplemental Data

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:

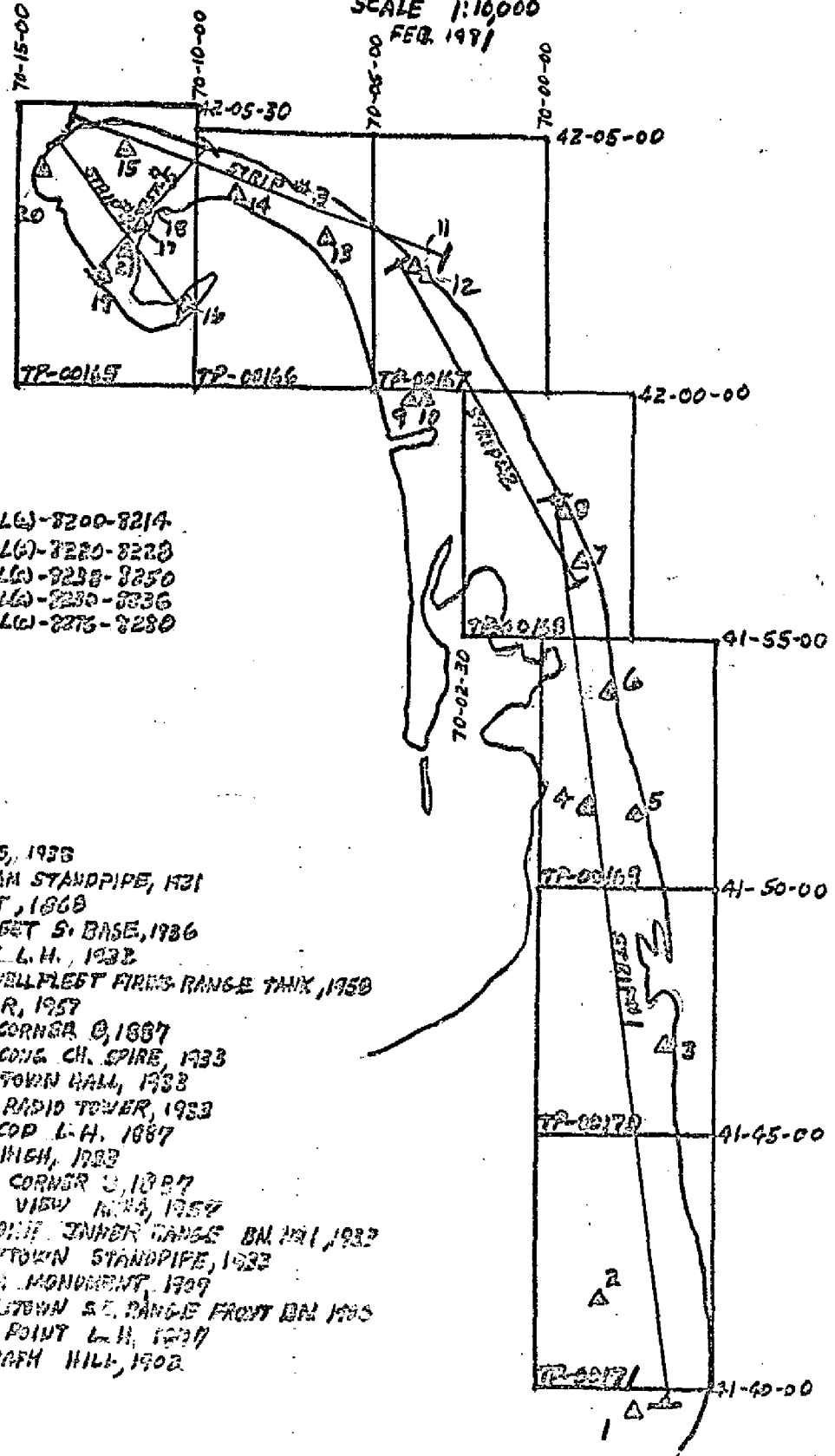

John D. Perrow, Jr.

Approved by:


Henry P. Eichert
Chief, Aerotriangulation Section

PH-7004 RACE POINT - CHATHAM, MASS.

SCALE 1:10,000
FEB. 1981



- STRIP #1 70-L6)-8200-8214
- STRIP #2 70-L6)-8220-8230
- STRIP #3 70-L6)-8238-8250
- STRIP #4 70-L6)-8230-8236
- STRIP #5 70-L6)-8273-8280

1. MORRIS, 1936
2. CHATHAM STANDPIPE, 1931
3. POCKET, 1868
4. WELLFLEET S. BASE, 1936
5. NAUSET L.H., 1932
6. CAMP WELLFLEET FIRMS RANGE TANK, 1959
7. FRAZIER, 1957
8. TRURO CORNER C, 1887
9. TRURO CONC. CH. SPIRE, 1933
10. TRURO TOWN HALL, 1938
11. SOUTH RADIO TOWER, 1933
12. CAPE COD L.H., 1887
13. HEAD INGH, 1933
14. TRURO CORNER C, 1887
15. OCEAN VIEW MARK, 1957
16. LONG POINT INNER RANGE BM 1911, 1932
17. PROVINCETOWN STANDPIPE, 1932
18. PILGRIM MONUMENT, 1939
19. PROVINCETOWN S.E. RANGE FRONT BM 1930
20. RACE POINT L.H., 1887
21. TELEGRAPH HILL, 1902

COMPILATION REPORT

TP-00169

PH-7004

31. DELINEATION

The Wild B-8 was used. The compilation photography (scale 1:30,000) is supplemented with (1:20,000 scale) color photographs ratioed to (1:10,000 scale). There are two flights of color ratio photographs, one inshore and one offshore.

Photo coverage was adequate.

There was no field inspection.

32. CONTROL

See "Photogrammetric Plot Report," dated February 1971.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

There was no drainage compiled.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line and foreshore details were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

The mean low water line was delineated from office interpretation of the photography.

37. LANDMARKS AND AIDS

One Form 76-40 Landmarks for Charting and one Form 76-40 Aids to Navigation for Charting were submitted to the Rockville Office on August 1, 1973.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Satisfactory junctions were made with sheet TP-00168 to the north and TP-00170 to the south. There are no contemporary surveys to the east or west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. FIELD EDIT

The field edit was adequate. All changes indicated on the field edit ozalid were transferred to the manuscript. The field editor neglected to give all the required heights on the landmarks and aids to navigation.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with USGS Quadrangles WELLFLEET, MA, scale 1:24,000 dated 1958 and ORLEANS, MA scale 1:24,000 dated 1962.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Chart 1208, scale 1:80,000 dated October 31, 1970.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted:

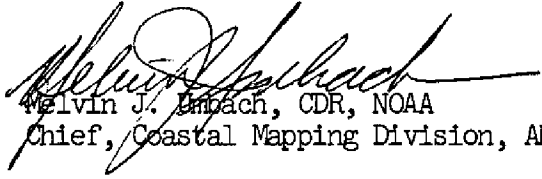
C. E. Blood

C. E. Blood
Cartographic Technician

~~April 21, 1971~~


August 3, 1973

Approved for forwarding:



Melvin J. Umbach, 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-00169

Atlantic Ocean

Cape Cod

Nauset Bay

Nauset Beach

Salt Pond

Salt Pond Bay

C. E. Harrington
C. E. Harrington
Geographic Names

FORM C&GS-1002 (9-68)		U.S. DEPARTMENT OF COMMERCE ESSA COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW T.00169			
1. PROJECTION AND GRIDS LLG	2. TITLE LLG	3. MANUSCRIPT NUMBERS LLG	4. MANUSCRIPT SIZE LLG
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY LLG	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 Wash. Science Center	11. DETAIL POINTS LLG
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE LLG	13. LOW-WATER LINE LLG	14. ROCKS, SHOALS, ETC. LLG	15. BRIDGES LLG
16. AIDS TO NAVIGATION LLG	17. LANDMARKS LLG	18. OTHER ALONGSHORE PHYSICAL FEATURES LLG	19. OTHER ALONGSHORE CULTURAL FEATURES LLG
PHYSICAL FEATURES			
20. WATER FEATURES LLG	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 LLG
CULTURAL FEATURES			
27. ROADS LLG	28. BUILDINGS LLG	29. RAILROADS XX	30. OTHER CULTURAL FEATURES LLG
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES LLG	34. JUNCTIONS LLG		35. LEGIBILITY OF THE MANUSCRIPT LLG
36. DISCREPANCY OVERLAY LLG	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS XX	39. FORMS LLG
40. REVIEWER L.L. Graves May 12, 1971		SUPERVISOR, REVIEW SECTION OR UNIT	
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.			
COMPILER Field Edit: Susan Kumer Nov. 30/1972 Reviewer: R.R. White Dec. 7/1972		SUPERVISOR	
43. REMARKS Field Edit was applied from the field edit ozalid, the field edit report and photographs 70L8207, 70L8208 and 70L8305.			

FIELD EDIT REPORT
T-00169
Nauset Beach, Massachusetts

52. ADEQUACY OF COMPILATION

Compilation was adequate. Due to heavy surf during the time of field edit operations, the mean high water line could not accurately observed. Therefore, compilation of the high water could not be checked with distances from photo points. It is felt that the high water line has been compiled correctly.

54. RECOMMENDATIONS

None.

56. LANDMARKS AND AIDS TO NAVIGATION

One aid to navigation is recommended for charting on this sheet. It is Nauset Lighthouse and was located by triangulation in 1932, and recovered by this party in November of 1972.

Two landmarks are recommended for charting on this sheet. One of ^{the} objects is a tank which is recovered triangulation. The other is a cupola which was field identified on photo 70L 8305 and had previously been used as a pass point by the compiler.

57. ADDITIONAL INFORMATION

Delineation of shoreline features is indicated on photo 70L 8305 in the south area of the sheet and should be charted as grass in water.

All areas of the sheet were checked for piers, ramps and dangers to navigation and indicated on the ozalid.

Respectfully submitted,

William J. Mottern

William J. Mottern
Survey Technician
Photo Party 62

TO BE CHARTED
 TO BE DELETED
 DATE 7-23-73
 ORIGINATING LOCATION
 Coastal Mapping Division
 Atlantic Marine Center

The following objects have (been inspected from seaward to determine their value as landmarks:
 SURVEY NUMBER T- TP- 00169
 STATE: Massachusetts
 DATUM N.A. 1927

JOB NUMBER PH- 7004	DESCRIPTION	POSITION		METHOD AND DATE OF LOCATION (See instructions on reverse of this form)	CHARTS AFFECTED
		LATITUDE D.M.METERS	LONGITUDE D.P.METERS		
TANK	(Camp Wellfleet Firing Range Tank 1958) ht = 140 (200) **	41 54 22.062 680.7	69 58 26.543 609.7	Triang. Rec. 11-02-72	270 1208
CUPOLA	On 4-story building	41 50 10.98 35.6	69 56 12.54 54.2	P.L. 11-13-72 70-L-(c)305	270 1208
	** Ground Elevation Estimated From U.S.G.S. Quadrangle.				

REVIEW REPORT TP-00169

SHORELINE

July 16, 1973

61. GENERAL STATEMENT

See Summary on page 6 of this Descriptive Report.

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

There were no registered topographic surveys of the area available for comparison.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S.G.S. Quadrangles WELLFLEET, MA, scale 1:24,000, dated 1958 and ORLEANS, MA, scale 1:24,000, dated 1962. Differences between these maps and TP-00169 were shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with Boat Sheets H-9226 (PE-20-1-71) and H-9233 (PE-20-3-71). The mean high water line on the boat sheets compared well with the same feature on TP-00169. Soundings on the boat sheets disproved the mean low water line on TP-00169 and it was removed from the manuscript.

Zero soundings at Lat. $41^{\circ}50.1'$, Long. $69^{\circ}56.6'$ indicate that the mean high water line in this area receded between the time of photography (Nov. 1970) and the time of hydrography (summer of 1971). The mean high water line on TP-00169 is correctly mapped as it was photographed on Nov. 1970.

65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with Chart 1208, 1:80,000 scale, 17th edition, dated October 21, 1972. No significant differences were noted. The chart scale was too small for adequate comparison.

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:

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

Approved:

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

Approved:

W. A. H. [Signature]
Chief, Photogrammetric Branch

W. A. H. [Signature]
Chief, Coastal Mapping Division

8310

COMPARISON PRINT

Brown = U.S.G.S.

X=1,015,000 FT. 58' 30"

69° 58'

57'

JOINS TP.

41° 55' 00"

Bottom & Top of Bluff

70-L(C)-8317

54' 30"

70-L(C)-8309

CAMP WELFLEET
FIRING RANGE, TANK, 1958
51-143(198)

Sand

54'
TP-00169
1:10,000



70-L(C)-8318

53'30"



70-L(C)-8308

Parking

COMPARISON PRINT

Brown = U.S.G.S.

41°53'

69°58'

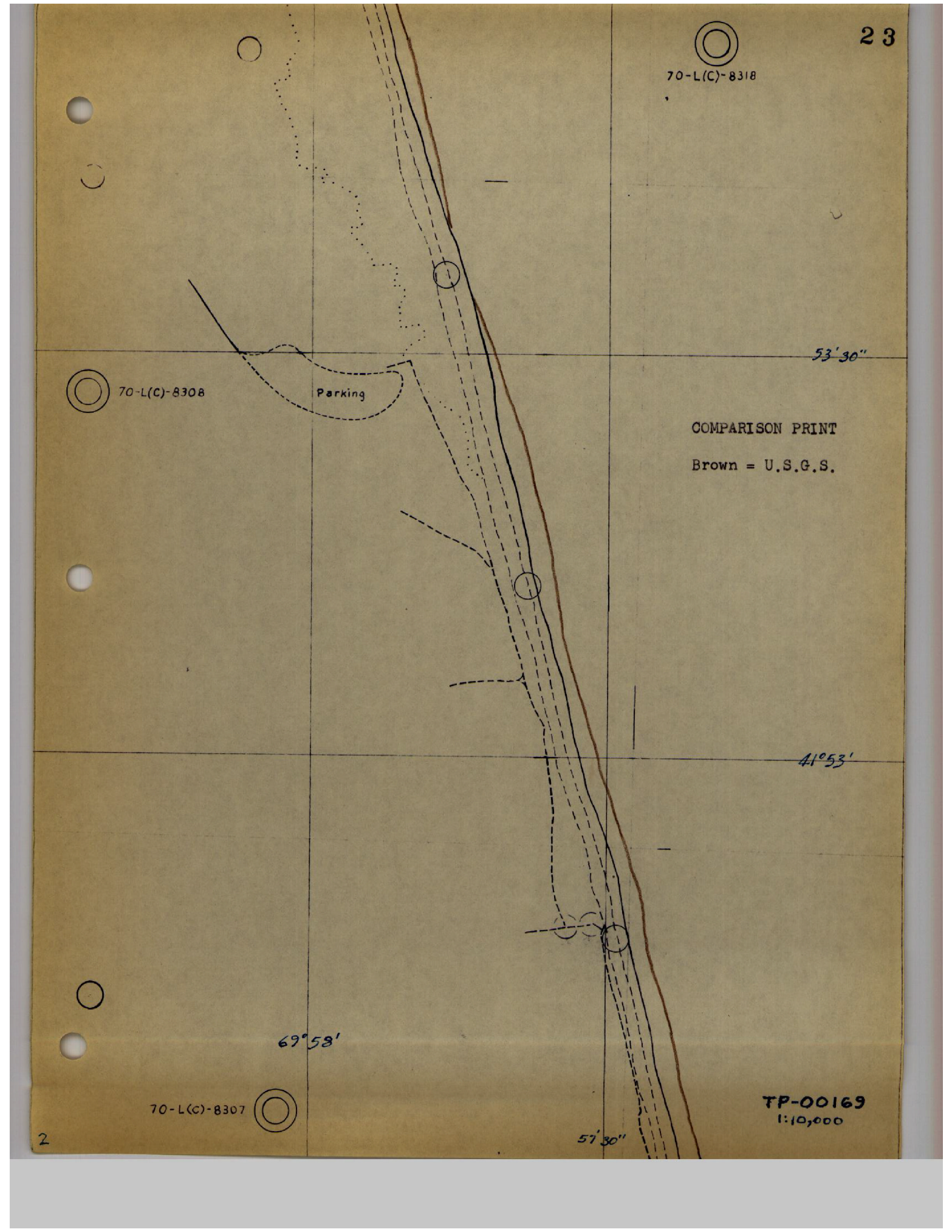
70-L(C)-8307



TP-00169

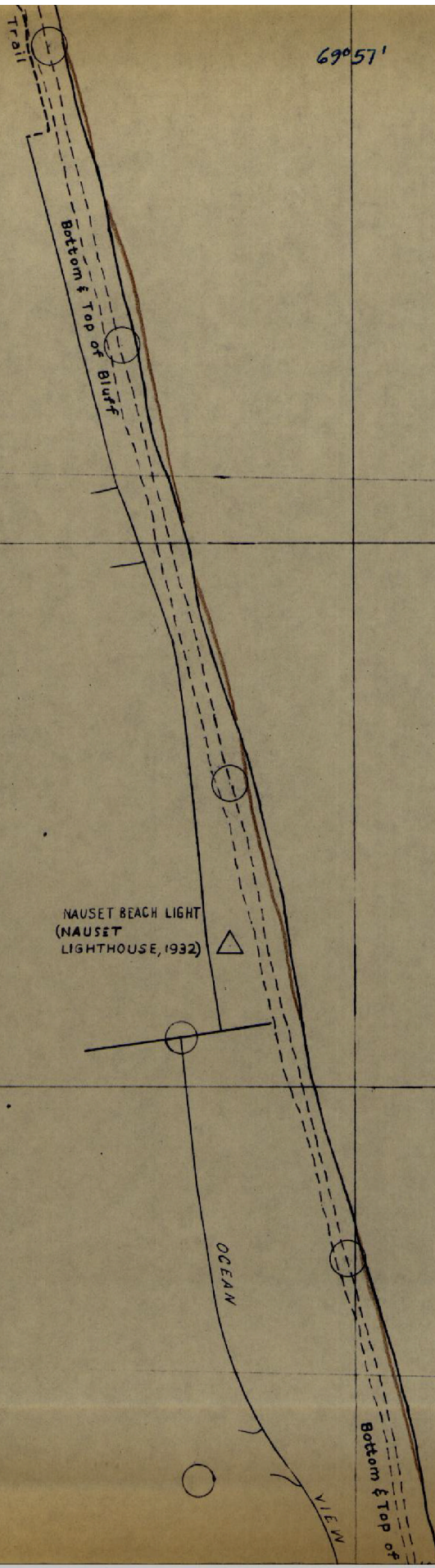
1:10,000

57'30"



57'30"

69°57'



41°52'

COMPARISON PRINT

Brown = U.S.G.S.

70-L(C)-8306

NAUSET BEACH LIGHT
(NAUSET LIGHTHOUSE, 1932)

51'30"

OCEAN

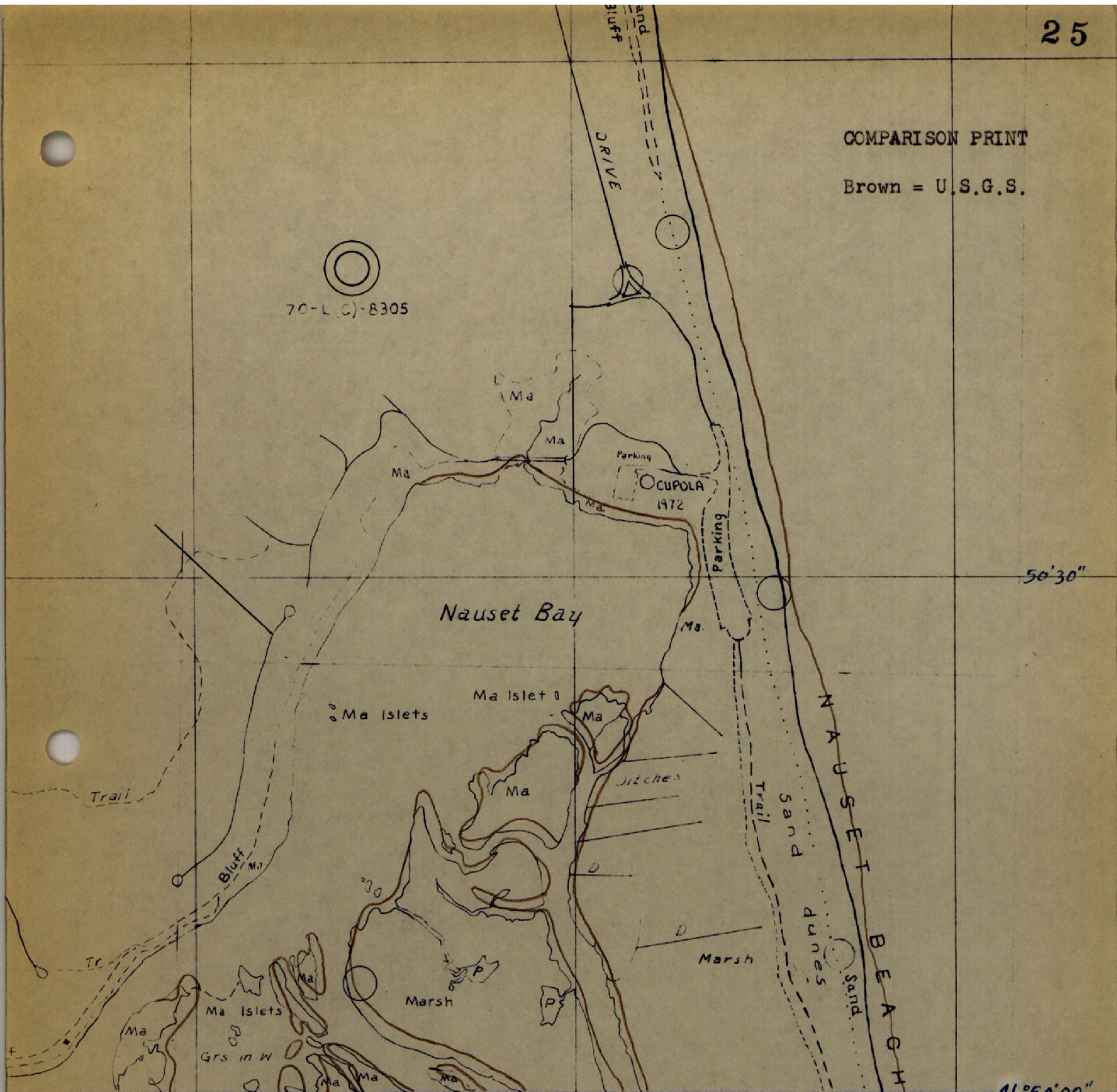
Bottom & Top of

TP-DO 169
1:10,000

COMPARISON PRINT

Brown = U.S.G.S.

70-L.C.-8305



50°30"

41°50'00"

57'30"

X=1,020,000 FT.

69°57'

56'30"

X=1,025,000

LEGEND

- Paved road
- - - Unpaved road

- △ Recoverable horizontal control station of third order
- Recoverable horizontal control station of less than third order
- The light shoreline defines the outer limits of vegetation
- The heavy shoreline defines the approximate mean high water
- Compiled by photogrammetric methods, from aerial photography
- Date of Photography Sept, 1970
- Date of Field Inspection None
- Date of Field Edit Nov 1972
- Date of Final Compilation Nov 1972
- Date of Final Review July 1973

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