

12080

12080

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-12080
LOCALITY	
State	Maryland
General locality	Worcester County
Locality	Sinepuxent Bay
1961-63 62	
CHIEF OF PARTY	
W.M.Reynolds, Chief of Field Party	
Miller J. Tonkel, Baltimore District Office	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD
T - 12080

PROJECT NO. (II):

PH-6103 (21039)

FIELD OFFICE (II):

Snow Hill, Md.

CHIEF OF PARTY

Wm. Reynolds

PHOTOGRAMMETRIC OFFICE (III):

Baltimore District Office

OFFICER-IN-CHARGE

William J. Tonkel

INSTRUCTIONS DATED (II) (III):

II November 20, 1961

III October 24, 1962

July 26, 1963 - Amendment I

METHOD OF COMPILATION (III):

Kelsh plotter

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:3,000 and 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):

NA 1927

VERTICAL DATUM (III): MHW

~~MEAN LOW WATER~~ 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):

FASSETT, 1908

LAT.:

38° 16' 34.675"

LONG.:

75° 08' 15.308"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y = 166,771.31 ft.

X = 1,334,638.97 ft.

Maryland

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): Robert S. Tibbetts William M. Reynolds		DATE: April-June 1962
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Kelsh plotter using field inspection photographs		
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree		DATE 8/28/62
PROJECTION AND GRIDS CHECKED BY (IV): I. Y. Fitzgerald		DATE 9/10/62
CONTROL PLOTTED BY (III): L. A. Senasack		DATE 11/30/62 1/29/63 4/16/63
CONTROL CHECKED BY (III): E. L. Rolle R. F. Carr		DATE 11/30/62 1/29/63 4/16/63
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): <u>Aerotriangulation - Washington Office</u>		DATE 10/31/62 4/12/63 3/22/63
STEREOSCOPIC INSTRUMENT COMPILATION (III): L. O. Neterer J. D. McEroy		DATE 2/14/63 5/2/63
PLANIMETRY L. O. Neterer J. D. McEroy		DATE
CONTOURS Inapplicable		DATE
MANUSCRIPT DELINEATED BY (III): J. Councill J. D. McEroy		DATE 3/5/63 6/17/63
SCRIBING BY (III): J. Cregan		DATE 2/11/64
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): E. L. Rolle		DATE 2/11/64
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
61-S-9289 thru 9291	24 May 1961	0900	1:30,000	0.4 above MLW
61-W-6841 and 6842	21 April 1961	1400	1:10,000	1.6 above MLW
62-S-2295 and 2296	15 March 1962	1258	1:15,000	1.2 above MLW
62-S-3162 and 3163	24 March 1962	1010	1:15,000	2.7 above MLW
62-W-3816 and 3817	28 April 1962	1003	1:15,000	2.1 above MLW

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Sandy Hook, N. J.		4.6	5.6
SUBORDINATE STATION: Ocean City, Md.		3.4	4.1
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

Leo F. Deugnet, Atlantic Marine Center

DATE:

October 1966

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

6

RECOVERED:

2

IDENTIFIED:

1

NUMBER OF BM(S) SEARCHED FOR (II):

0

RECOVERED:

0

IDENTIFIED:

0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

1

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

0

REMARKS:

4

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compilation completed	June 1963	

CHINCOTEAGUE BAY

PROJECT PM 6103

PLANIMETRIC MAPPING

SCALE, 1:10,000

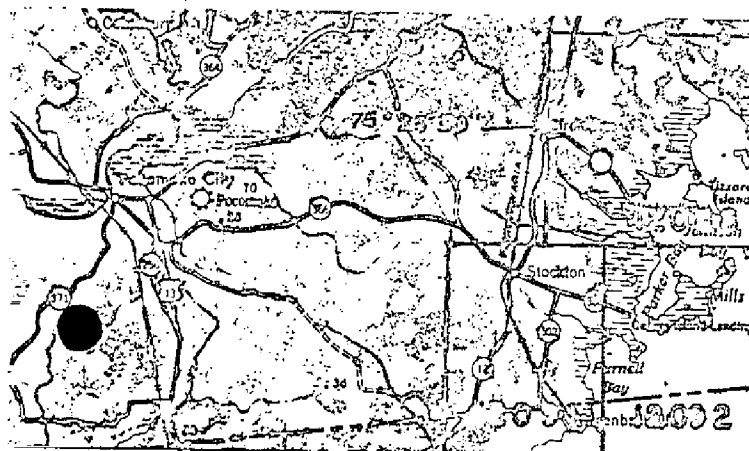
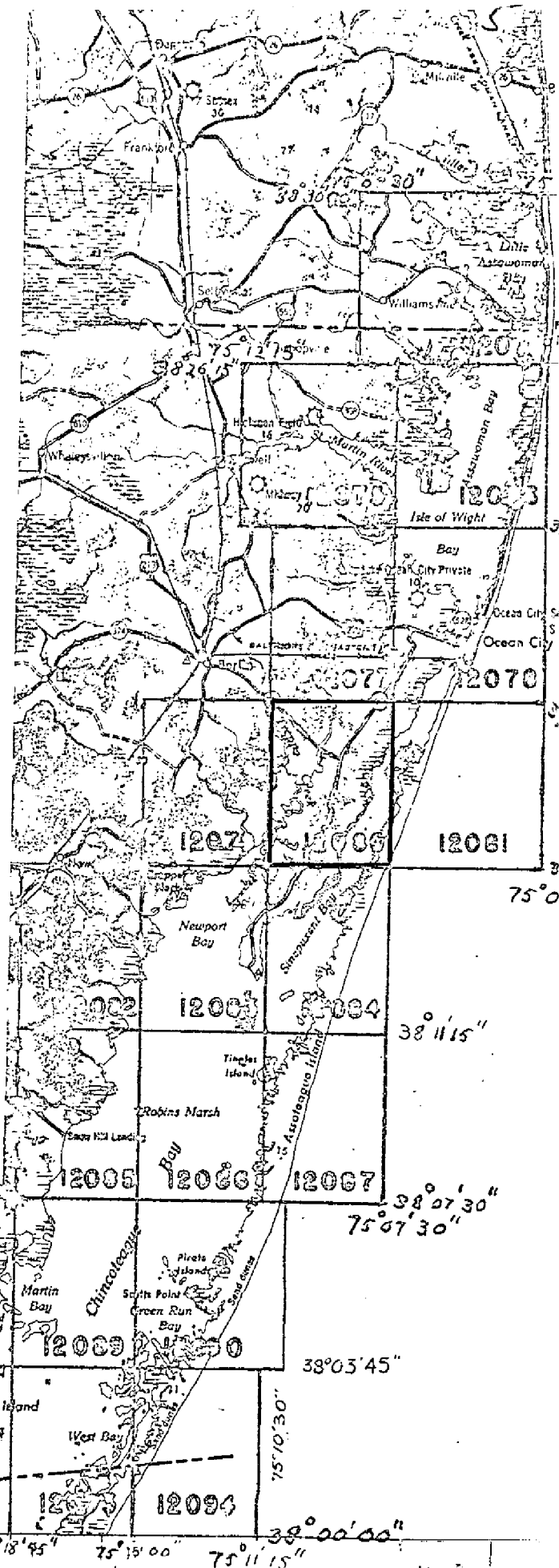
OFFICIAL MILEAGE

SHEET NO.	AREA SQ. MI.	LINEAR MI. SHORELINE
12074	16	30
12075	16	13
12076	4	32
12077	14	14
12078	5	20
12079	14	9
12080	14	28
12081	2	10
12082	14	3
12083	2	12
12084	3	16
12085	8	8
12086	3 ³	4
12087	3	10
12088	9	14
12089	2	12
12090	4	14
12091	14	5
12092	3	14
12093	3	12
12094	3	12

TOTAL

153.3

292



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12080

Shoreline map T-12080 is one of twenty-one similar maps in project PH-6103 (21039). It covers a part of Sinepuxent Bay and Upper and Lower Sinepuxent Neck.

Field operations preceding compilation by Kelsh plotter methods included recovery and identification of horizontal control, shoreline and field inspection, the identification of landmarks for charts and location of fixed aids to navigation.

Compilation was at 1:10,000 scale using the panchromatic photography obtained in 1961 and 1962 and control established by aerotriangulation.

The manuscript is a vinylite sheet $3\frac{3}{4}$ ' in latitude by $3\frac{3}{4}$ ' in longitude which was scribed and reproduced on cronaflex. One cronar positive and one cronar negative are provided for record and registry.

FIELD INSPECTION REPORT
MAPS T-12080, T-12081, T-12084, and T-12087
PROJECT PH-6103

2. Areal Field Inspection.

These maps are located along the eastern shore of Maryland. The land area consists of the northeasterly part of Assateague Island and the mainland along the northwest side of Sinepuxent Bay.

Assateague Island is a long, low, narrow, strip of sand which separates the Atlantic Ocean from Chincoteague and Sinepuxent Bays. The island is un-inhabited except for several cottages which are used during the summer season only. The island was under development and had a goodly number of summer cottages together with several miles of blacktop highway. The Coastal Storm of March 6-7, 1962 completely destroyed the road and many of the cottages. Most of the sand dunes were also leveled.

Chincoteague and Sinepuxent Bays are unimportant, shallow bodies of water. They are navigable for shallow draft boats only. They are used primarily by clam, crab, and oyster fishermen.

Field inspection is believed complete and was performed on the following photographs; 61W6247, 61W6267 through 61W6272, 61W6328 through 61W6336, 61S9054, 61S9089, 61S9090, 61S9092, 61S9078A through 61S9082A, 61S9085A, 62S3159 through 62S3174, and color photographs 6828 through 6852. Photography was of good quality and no difficulty was encountered in their interpretation in the field. No items were deliberately left for field edit.

3. Horizontal Control.

All Coast and Geodetic Survey Stations were searched for. Stations were identified in accordance with a special copy of the project diagram.

All stations located on Assateague Island, except NORTH BEACH 2 1962, were marked with black targets prior the 1962 photography. These black targets were then pricked direct to identify the stations.

NORTH BEACH 2 1962 was established by Geodesy in July 1962.

The following stations were reported lost:

T-12080	T-12081
BAR 1908	BEACH 1908 SOUTH 1929
ELLPOW 1908	KEYPOST 1929 SOUTH 2 1933
ELLPOW ECCENTRIC 1908	SEASIDE 1908 SOUTH 3 1962
NELLYS 1908	SHORE 1908 SWAN 1929
	TRIPOD 1929

3. Horizontal Control (Cont'd.).

T-12084

GREEN 1933
INGRAYA 1907
MUD 1908

SALT 1908
SANPOI 1908
NORTH BEACH LIFE
SAVING STATION 1907

T-12087

NORTH 1933

4. Vertical Control.

Inapplicable

5. Contours and Drainage.

Contours are inapplicable.

Drainage is primarily run off from the island into the bay or ocean.

6. Woodland Cover.

Woodland was inspected and had been classified on the photographs.

7. Shoreline and Alongshore Features.

A severe storm passed through the area in March 1962. Considerable damage was done to the shoreline along the ocean. This shoreline was rephotographed after the storm and the outside shoreline has been located by measurement from identifiable points on these photographs. Little damage was suffered by the inside shoreline. The 1961 and 1962 photographs were compared in the field and where noticeable changes had taken place the 1962 photographs were used.

A traverse was run northward from triangulation station SOUTH 3 1962 to provide hydrographic control for the ship HYDROGRAPHER. A hub was set every 1200 feet for hydro signals. Angles and distances were taken from the hubs to the mean high water line. These hubs and the mean high water line were plotted on a mylar projection of map T-12081 and turned over to the HYDROGRAPHER. The outside shoreline northeast of SOUTH 3 1962 can be taken from this projection.

The low water line was not located.

The foreshore is sand. There are no bluffs or cliffs.

All docks, piers, wharves or landings have been indicated on the photographs.

7. Shoreline and Alongshore Features.(Cont'd.)

Two submarine cable signs were located by sextant.

There are no other shoreline structures.

8. Offshore Features.

There are none.

9. Landmarks and Aids.

All landmarks for nautical charts and fixed aids to navigation are adequately covered by Form 567 which is included with this report.

10. Boundaries, Monuments and Lines.

The entire area is within Worcester County, Maryland and is not affected by any boundaries.

11. Other Control.

There were no Recoverable Topographic Stations established for T-12080 and T-12087.

Two previously established Recoverable Topographic Stations were recovered and identified in map T-12081. They are COFFIN POINT WINDMILL (1942) 1962 and MCCABE CHIMNEY (1942) 1961.

Three Recoverable Topographic Stations were recovered in map T-12084. They are BEACON 25 (1942) 1962, GREEN 2 1959, AZIMUTH MARK and PAL (1942) 1961.

In addition to the above copperweld rods were placed in identifiable photo points to be located for control for the Maryland Department of Tidewater Fisheries. These points were selected so that together with natural objects and triangulation stations a fix could be observed any place in the bay. A total of 27 points were established.

12. Other Interior Features.

The road on Assateague Island, visible on the 1961 photographs is not to be mapped. It was completely destroyed by the March 1962 storm.

Roads on the mainland in map T-12080 have been classified on the photographs.

All landmark buildings have been indicated on the photographs.

Overhead cables across Sinepuxent Bay have been indicated on the photographs.

One small airport in map T-12080 has been indicated on the

12. Other Interior Features (Cont'd.).

photographs.

13. Geographic Names.

See "Special Report Geographic Names Project Ph-6103, Chincoteague Bay" submitted to Washington 11 July 1962.

14. Special Reports and Supplemental Data.

"Special Report Geographic Names Project Ph-6103 Chincoteague Bay", submitted to Washington 11 July 1962.

Form 567 submitted with this data.

Color photographs numbered 61W6828 through 61W6852, submitted to Washington 23 March 1962.

Letter of Transmittal submitted with this data.

Submitted,

William M. Reynolds
William M. Reynolds
Sub-Unit Photo Party 720

Field inspection notes for T-12080 appear on the following photographs:

61-S-9054 and 9055
61-S-9289 thru 9290
61-S-9071A
62-S-3162 and 3164
61-W-6331 thru 6336
61-W(c)-6835, 6837, 6839, 6840, 6842

MAP T- 12080

PROJECT NO. PH-6103(21039)

SCALE OF MAP 1:10,000

SCALE FACTOR

[illegible]

1 FT. = 3048006 METER

COMPUTED BY:

DATE:

CHECKED BY:

DATE:

COMM-DC-57843

PHOTOGRAMMETRIC PLOT REPORT

OCT 31, 1962

21. Area Covered

This report covers the major portion of Assateague Is., which is on the Maryland-Virginia coast. The following shoreline surveys at 1:10,000 scale cover this area. T-12080, 12081, 12084, 12086, 12087, 12090, 12093, 12094.

22. Method

Horizontal control bridging was performed on two successive strips, by means of the Stereoplanigraph C-5. Strip #10 consists of 17 models, 62S 3161 thru 3178. Adjustment on the IBM-650 was made using 6 control stations with one station and eight tie points (Bridging of April 1962) as checks. Strip #11 consists of 12 models, 62S 3190 thru 3202. Adjustment on the IBM-650 was made using 3 control stations with one station and six tie points as checks. (See appended sketch for layout of photography and control.)

23. Adequacy of Control

The horizontal control provided complied with the project instructions and was adequate. All control stations held closely in the bridge adjustments. The horizontal control positions used were taken from unadjusted field data. Closures to control are shown on the appended sketch. Ties between strips are not tabulated but are small. The accuracy indicated for these strips is well within the National Standards of Map Accuracy at 1:10,000 scale.

24. Photography

Adequate as to coverage, overlap and definition.

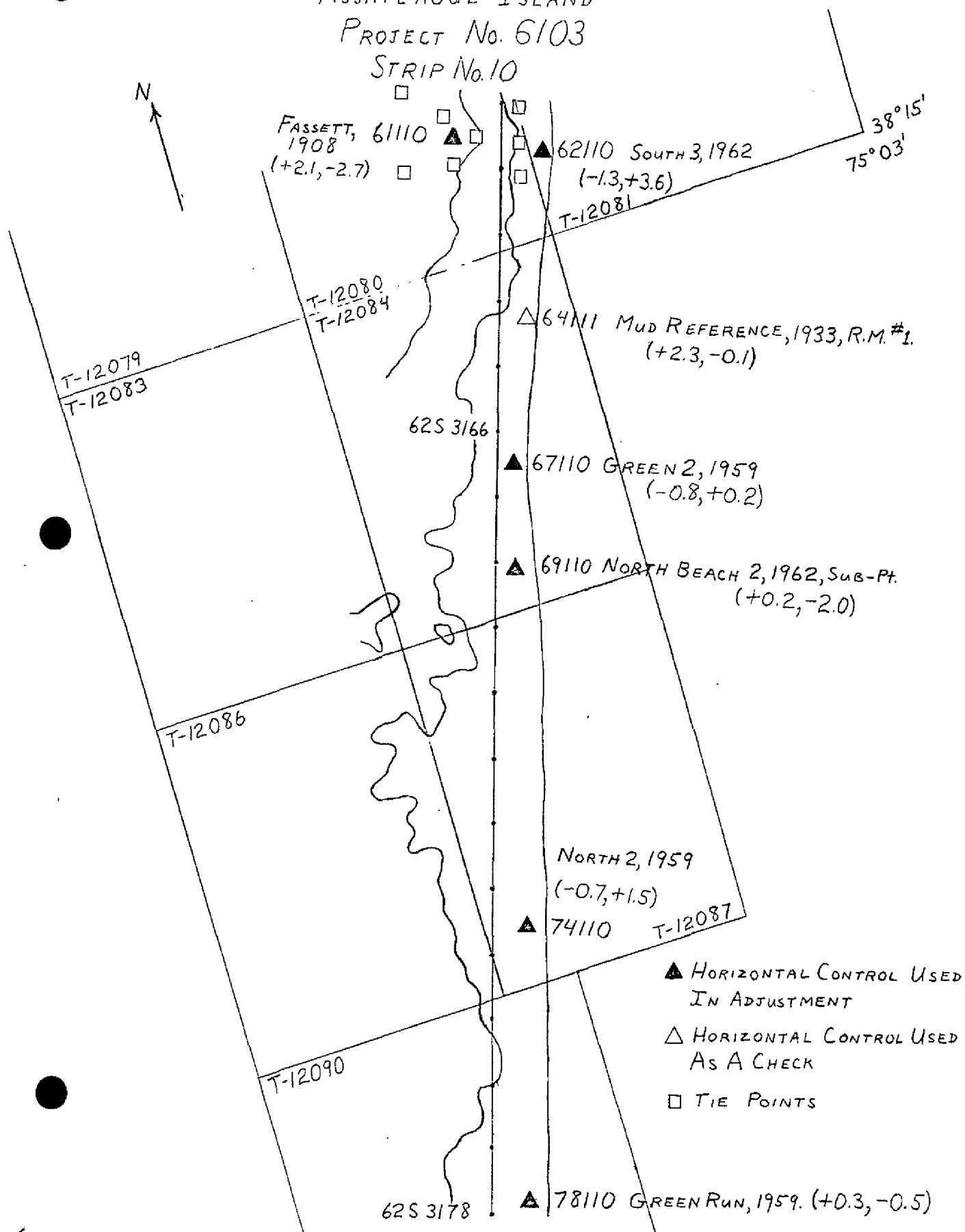
Submitted by

Lawrence W. Fritz
Lawrence W. Fritz

Approved by

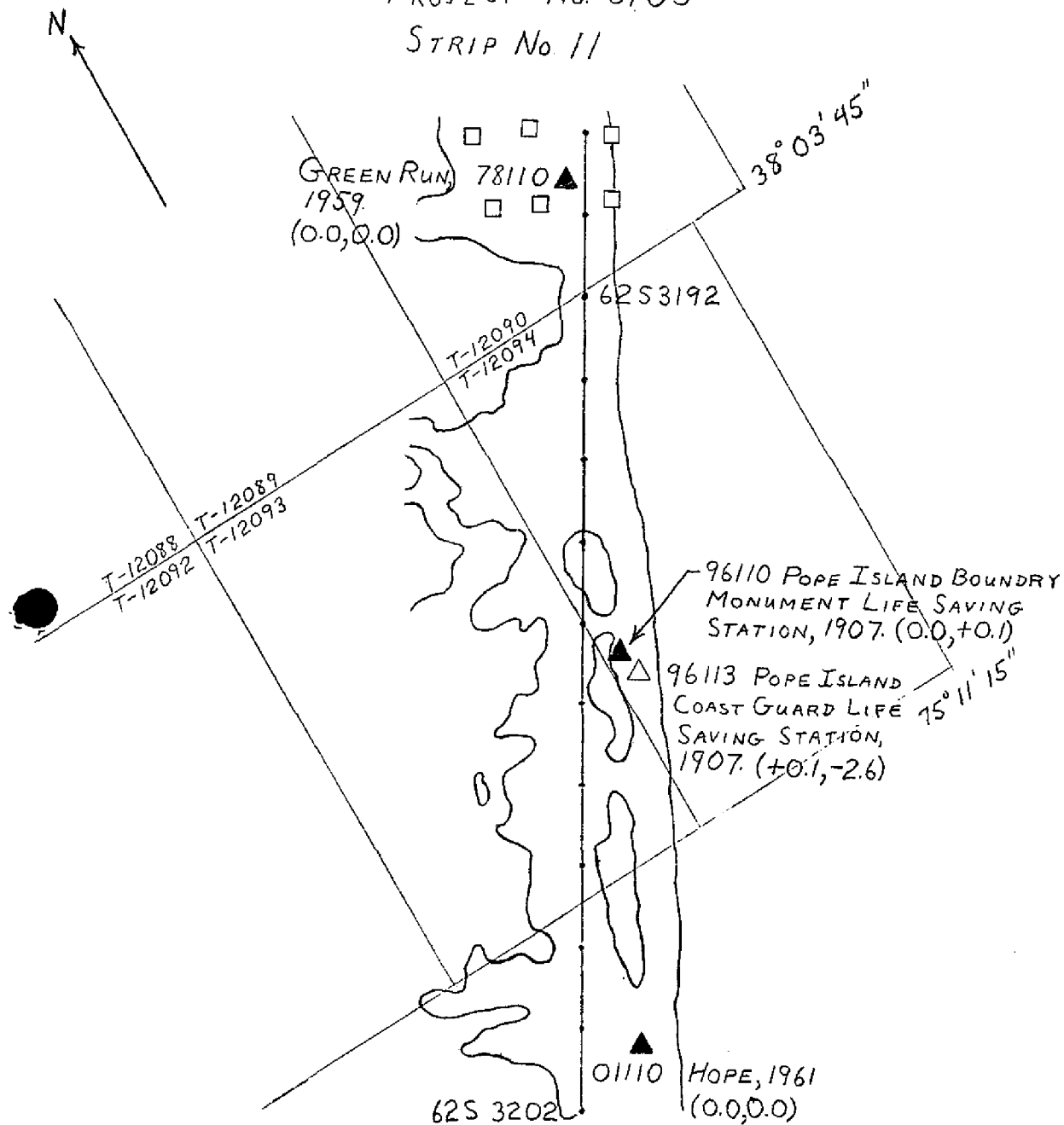
Everett H. Ramey
Everett H. Ramey
Chief, Aerotriangulation Section

AEROTRIANGULATION SKETCH
 ASSATEAGUE ISLAND
 PROJECT No. 6103
 STRIP No. 10



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AEROTRIANGULATION SKETCH
 ASSATEAGUE ISLAND
 PROJECT No. 6103
 STRIP No 11



▲ HORIZONTAL CONTROL USED IN ADJUSTMENT

△ HORIZONTAL CONTROL USED AS A CHECK

□ TIE POINTS

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NOTES TO COMPILER

Strip #10

On photo 62S 3164, horizontal control point 64111 is identified in the field as Mud Reference, 1933. In reality, the point identified in the field and pricked on the photo is Mud Reference, 1933, reference mark #1.

Strip #11

On photo 62S 3196, horizontal control point 96110 is identified in the field as Pope Island Boundary Monument, 1907. Actually, the point identified in the field and pricked on the photo is Pope Island Boundary Monument Life Saving Station, 1907.

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PHOTOGRAMMETRIC PLOT REPORT
T-12080

Please refer also to the Photogrammetric Plot Report bound
with T-12074.

COMPILATION REPORT
T-12080

31. DELINEATION

The Kelsh plotter was used to delineate the manuscript. The field inspection was adequate and no difficulties were encountered during the course of compilation.

32. CONTROL

Horizontal control consisted of passpoints established by aerotriangulation and one identified triangulation station. The density and placement of the control was adequate.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours inapplicable.

Drainage was delineated by the Kelsh operator in accordance with the field inspection notes.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate and was delineated in accordance with field inspection notes. All alongshore detail such as piers, bulkheads, boathouses etc. have been delineated.

36. OFFSHORE DETAIL

No offshore detail requiring investigation by a hydrographic party was noted during the course of compilation.

37. LANDMARKS AND AIDS

There are no landmarks for charts within the limits of this map. Five fixed aids to navigation were located and have been reported on Form 567.

38. CONROL FOR FUTURE SURVEYS

No control for future surveys was established.

39. JUNCTIONS

Satisfactory junctions were made with T-12077 to the north, T-12081 on the east, T-12084 on the south and T-12079 to the west.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. BERLIN, MD. quadrangle 1:24,000 scale. The two maps are in good general agreement.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 1220, 1:80,000 scale. The chart and manuscript appear to be in good agreement.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Joseph Steinberg
For: E. L. Rolle
Cartographer (Photo)

Approved and forwarded:

J. Bull
J. Bull, CAPT, USESSA
Director, Atlantic Marine Center

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48. GEOGRAPHIC NAMES

The following names were furnished by the Washington Office
on U.S.G.S. BERLIN, MD. quadrangle.

ASSATEAGUE ISLAND	GRAYS CREEK
ATLANTIC OCEAN	GRAYS POINT
AYERS CREEK	HERRING GUT
AYERS ISLAND	HOLLAND CREEK
BAT CREEK	LOWER SINEPUXENT NECK
BUDDY POND	MCCABE LANDING
DEALS BRANCH	ORCHARD CREEK
FASSETT POINT	SANDY COVE
GOLDEN QUARTERS NECK	SANDY POINT
GRAYS COVE	SINEPUXENT BAY
GRAYS COVE LANDING	TRAPPE CREEK
	UPPER SINEPUXENT NECK
	WILLIAMS GROVE LANDING
	WRIGHTS POND

49. NOTES TO THE HYDROGRAPHER

There are no notes to the hydrographer for this survey.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10363 12080

1. PROJECTION AND GRIDS E. L. Rolle		2. TITLE E.L.R.		3. MANUSCRIPT NUMBERS ELR		4. MANUSCRIPT SIZE ELR	
CONTROL STATIONS							
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY ELR				6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) ELR		7. PHOTO HYDRO STATIONS NONE	
8. BENCH MARKS NONE		9. PLOTTING OF SEXTANT FIXES NONE		10. PHOTOGRAMMETRIC PLOT REPORT ELR		11. DETAIL POINTS ELR	
ALONGSHORE AREAS (Nautical Chart Data)							
12. SHORELINE ELR		13. LOW-WATER LINE ELR		14. ROCKS, SHOALS, ETC. ELR		15. BRIDGES ELR	
16. AIDS TO NAVIGATION ELR		17. LANDMARKS ELR		18. OTHER ALONGSHORE PHYSICAL FEATURES ELR		19. OTHER ALONGSHORE CULTURAL FEATURES ELR	
PHYSICAL FEATURES							
20. WATER FEATURES ELR				21. NATURAL GROUND COVER ELR		22. PLANETABLE CONTOURS NONE	
23. STEREOSCOPIC INSTRUMENT CONTOURS NONE		24. CONTOURS IN GENERAL NONE		25. SPOT ELEVATIONS NONE		26. OTHER PHYSICAL FEATURES ELR	
CULTURAL FEATURES							
27. ROADS ELR		28. BUILDINGS ELR		29. RAILROADS NONE		30. OTHER CULTURAL FEATURES ELR	
BOUNDARIES							
31. BOUNDARY LINES NONE				32. PUBLIC LAND LINES NONE			
MISCELLANEOUS							
33. GEOGRAPHIC NAMES ELR				34. JUNCTIONS ELR		35. LEGIBILITY OF THE MANUSCRIPT ELR	
36. DISCREPANCY OVERLAY ELR		37. DESCRIPTIVE REPORT ELR		38. FIELD INSPECTION PHOTOGRAPHS ELR		39. FORMS ELR	
40. REVIEWER for Joseph Steinberg E. L. Rolle				SUPERVISOR, REVIEW SECTION OR UNIT Joseph Steinberg			
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				SUPERVISOR			
43. REMARKS							

FIELD EDIT REPORT
T-12080

This manuscript was not field edited.

REVIEW REPORT T-12080
SHORELINE
October 24, 1966

61. GENERAL STATEMENT

See summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with Registered Survey T-8126, 1:20,000 scale. The differences between this survey and map T-12080 have been shown on the comparison print.

Map manuscript T-12080 supersedes survey no. T-8126 for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. BERLIN, MD. quadrangle, 1:24,000 scale, edition of 1943. This is the civil edition of T-8126 and the same differences that exist with that survey also exist with the BERLIN, MD. quadrangle.

61. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There are no contemporary hydrographic surveys within the area of this manuscript.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 1220, 1:80,000 scale, 12th edition November 1, 1965. The chart and manuscript are in good general agreement. It is noted that the cable area across Sinepuxent Bay from Fassett Point to Assateague Island was not located by the field party.

Sinepuxent Bay, Channel Light 13 was destroyed by the storm of March 6 and 7, 1962. It has not been rebuilt at the time of field work in the area and is not shown on the manuscript.

There are no piers, boathouses etc. shown on the chart.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Future surveys should check the cable area mentioned in item 65.

Reviewed by:

Leo F. Beugnet
Leo F. Beugnet

Approved by:

J. Bull
J. Bull, CAPT, USESSA
Director, Atlantic Marine Center

Approved by:

Charles L. Luman
Chief, Photogrammetric Branch *PLB*

Jack E. Luth
Chief, Photogrammetry Division

Chief, Chart Division

Chief, Operations Division

NOTES TO THE VERIFIER

There are no contemporary hydrographic surveys in this area and no notes to the verifier.

The following photographs were examined during final review:

61-S-9054 and 9055
61-S-9289 thru 9291
61-W-6331 thru 6336
61-S-9071A
62-S-3162 thru 3164
62-W-3816 thru 3818
61-W(c)6835 thru 6842

STRIKE OUT TWO

Norfolk, Virginia

October 24 1966

The positions given have been checked after listing by

The positions given have been checked after listing by

for E. L. Rolle

Joseph Steinberg

~~CONFIDENTIAL~~

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 charred 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