# 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

**DATE**

LIBRARY & ARCHIVES

USC&GS DC 5087
DESCRIPTIVE REPORT - DATA RECORD

T - 12080

PROJECT NO. (III):

PH-6103 (21039)

FIELD OFFICE (III):

Snow Hill, Md.

CHIEF OF PARTY

Wm. Reynolds

PHOTOGRAMMETRIC OFFICE (III):

Baltimore District Office

OFFICER-IN-CHARGE

William J. Tonkel

INSTRUCTIONS DATED (III) (IV):

II   November 20, 1961

III  October 24, 1962

July 26, 1963 - Amendment I

METHOD OF COMPILED (III):

Kelsh plotter

MUSCRIPT 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):

GEOMETRIC DATUM (III):

NA 1927

VERTICAL DATUM (III):

MHW

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"

X ADJUSTED

☐ UNADJUSTED

STATE  ZONE

MARYLAND    ----

PLANE COORDINATES (IV):

= 166,771.31 ft.  = 1,334,638.97 ft.

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (III) 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.
DESCRIPTION REPORT - DATA RECORD

FIELD INSPECTION BY (III):

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):

Aerotriangulation - Washington Office

DATE
10/31/62
4/12/62
3/22/63

STEREOSCOPIC INSTRUMENT COMPILATION (III):

L. O. Neterer
J. D. McEroy

DATE
2/11/63
5/2/63

CONTOURS

Inapplicable

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

PHOTOGRAHMATIC OFFICE REVIEW BY (III):

E. L. Rolle

DATE
2/11/64

REMARKS:
### Descriptive Report - Data Record

**Photographs**

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<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<td>61-S-9289 thru 9291</td>
<td>24 May 1961</td>
<td>0900</td>
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<td>61-W-6811 and 6812</td>
<td>21 April 1961</td>
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<td>1:10,000</td>
<td>1.6 above MLW</td>
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<td>62-S-2295 and 2296</td>
<td>15 March 1962</td>
<td>1258</td>
<td>1:15,000</td>
<td>1.2 above MLW</td>
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<td>62-S-3162 and 3163</td>
<td>24 March 1962</td>
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<td>1:15,000</td>
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<td>62-W-3816 and 3817</td>
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<td>1:15,000</td>
<td>2.1 above MLW</td>
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</table>

**Tide**

- **Reference Station:** Sandy Hook, N.J.
- **Subordinate Station:** Ocean City, Md.

**Washington Office Review by:**

- **Proof Edit by:**
  - Date: October 1966

**Number of Triangulation Stations Searched For (ii):**

- **Recovered:** 6
- **Identified:** 2

**Number of BM(s) Searched For (ii):**

- **Recovered:** 0
- **Identified:** 0

**Number of Recoverable Photo Stations Established (iii):**

- **1**

**Number of Temporary Photo Hydro Stations Established (iii):**

- **0**

**Remarks:**


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<td>June 1963</td>
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</table>
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 aero-triangulation.

The manuscript is a vinylite sheet 3 3/4" in latitude by 3 3/4" in longitude which was scribed and reproduced on cronaflex. One cronar positive and one cronar negative are provided for record and registry.
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 uninhabited 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 61W6356, 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:

<table>
<thead>
<tr>
<th>T-12080</th>
<th>T-12081</th>
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<tbody>
<tr>
<td>BAR 1908</td>
<td>BEACH 1908</td>
</tr>
<tr>
<td>EL Ellison 1908</td>
<td>KEYPOST 1929</td>
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<tr>
<td>EL Ellison ECCENTRIC 1908</td>
<td>SEASIDE 1908</td>
</tr>
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<td>NELLYS 1908</td>
<td>SHORE 1908</td>
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<tr>
<td></td>
<td>SWAN 1929</td>
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<tr>
<td></td>
<td>TRIFORD 1929</td>
</tr>
</tbody>
</table>
3. Horizontal Control (Cont'd.).

T-12084
GREEN 1933       SALT 1908
INGRAYA 1907     SANPOI 1908
MUD 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 Fisheraes. 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.


14. Special Reports and Supplemental Data.


Form 567 submitted with this data.

Color photographs numbered 6IW6828 through 6IW6852, submitted to Washington 23 March 1962.

Letter of Transmittal submitted with this data.

Submitted,

William M. Reynolds
Sub-Unit Photo Party 720

Field inspection notes for T-12060 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
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<th>LATITUDE OR y-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927 DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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<tr>
<td>LONGWELLS WINDMILL, 1908</td>
<td>PC Pg. 4 1927</td>
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<td>ELL POW, 1908</td>
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<td></td>
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</table>

1 FT. = 0.3048006 METER

COMPUTED BY.

DATE.

CHECKED BY.

DATE.

COMM DC 57843
PHOTOGRAMMETRIC PLOT REPORT
Oct 31, 1967

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, 12085, 12087, 12090, 12093, 12094.

22. Method

Horizontal control bridging was performed on two successive strips, by means of the Stereoplanigraph 0-5. 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
Chief, Aerotriangulation Section
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.
PHOTOGRAMMETRIC PLOT REPORT
T-12060

Please refer also to the Photogrammetric Plot Report bound with T-12074.
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. **CONTROL FOR FUTURE SURVEYS**

No control for future surveys was established.
39. **JUNCTIONS**

Satisfactory junctions were made with T-12077 to the north, T-12061 on the east, T-12064 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.

---

Approved and forwarded:

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

For: E. L. Rolle
Cartographer (Photo)
48. **GEOGRAPHIC NAMES**

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

- ASSATEAGUE ISLAND
- ATLANTIC OCEAN
- AYERS CREEK
- AYERS ISLAND
- BAT CREEK
- BUDDY POND
- DEALS BRANCH
- FASSETT POINT
- GOLDEN QUARTERS NECK
- GRAYS COVE
- GRAYS COVE LANDING
- GRAYS CREEK
- GRAYS POINT
- HERRING GUT
- HOLLAND CREEK
- LOWER SINEPUXENT NECK
- MCCABE LANDING
- ORCHARD CREEK
- SANDY COVE
- SANDY POINT
- SINEPUXENT BAY
- 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.
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<tr>
<th>Item</th>
<th>Description</th>
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<td>Field Inspection Photographs</td>
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<td>Forms</td>
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**Remarks**: Field completion additions and corrections to the manuscript have been applied to the manuscript. The manuscript is now complete except as noted under item 43.
FIELD EDIT REPORT
T-12080

This manuscript was not field edited.
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.

64. **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

Approved by:

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

Approved by:

Chief, Photogrammetric Branch

Jack E. Guth
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
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated. The positions given have been checked after listing by

<table>
<thead>
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<th>STATE</th>
<th>Maryland</th>
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<table>
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<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE °</th>
<th>LONGITUDE °</th>
<th>LATITUDE M</th>
<th>LONGITUDE M</th>
<th>METHOD OF LOCATION AND SURVEY NO</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
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<td>Sinepuxent Bay</td>
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<td>38 17</td>
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<td>1032</td>
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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.