Form 804
U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey
SHORELINE

Field No.  Office No. T-11668

LOCALITY

State
VIRGINIA

General locality ACCOMACK COUNTY

Locality FISHING POINT

1959-62

CHIEF OF PARTY
Jospeh K. Wilson, Chief of Field Party
V.R. Sobieralski, Tampa District Officer

LIBRARY & ARCHIVES

DATE 1 JUL 1975
# DESCRIPTIVE REPORT - DATA RECORD

**PROJECT NO. (II):**

PH-5907

**FIELD OFFICE (II):**

Accomac, Virginia

**CHIEF OF PARTY**

Joseph K. Wilson

**PHOTOGRAMMETRIC OFFICE (III):**

Tampa, Florida

**OFFICER-IN-CHARGE**

V. Ralph Sobieralski

**INSTRUCTIONS DATED (II) (III):**

Field: Oct. 20, 1959
Field Amendment 1: Apr. 26, 1960
Office: Dec. 28, 1960
Office Amendment 1: Aug. 10, 1961

2: Sept. 29, 1961

**METHOD OF COMPILATION (III):**

Graphic

**MANUSCRIPT SCALE (III):**

1:10,000

**STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):**

Inapplicable

**DATE RECEIVED IN WASHINGTON OFFICE (IV):**

**DATE REPORTED TO NAUTICAL CHART BRANCH (IV):**

**APPLIED TO CHART NO.**

**DATE:**

**DATE REGISTERED (IV):**

**GEORGIC DATUM (III):**

N.A. 1927

**REFERENCE STATION (III):**

PETER 2, 1959

**LAT.:**

37°51'55.7906" (1720.1 m)

**LONG:**

75°22'07.0575" (172.5 m)

**ADJUSTED**

**UNADJUSTED**

**PLANE COORDINATES (IV):**

**STATE**

Virginia

**ZONE**

South

**VERTICAL DATUM (III):**

MHW

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

**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 (III):**
W. M. Reynolds, M. A. Stewart

**DATE:**
Nov. 1961
May 1962

**MEAN HIGH WATER LOCATION (III) [STATE DATE AND METHOD OF LOCATION]:**
Air Photo Compilation
June 1962 by planetable.

**PROJECTION AND GRIDS RULED BY (IV):**
A.R. (W.O.)

**DATE:**
Apr. 1962

**PROJECTION AND GRIDS CHECKED BY (IV):**
A.R. (W.O.)

**DATE:**

**CONTROL PLOTTED BY (III):**
None

**DATE:**

**CONTROL CHECKED BY (III):**

**DATE:**

**RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):**
R. R. Wagner

**DATE:**
May 1962

**STEREOSCOPIC INSTRUMENT COMPILATION (III):**

<table>
<thead>
<tr>
<th>PLANIMETRY</th>
<th>CONTOURS</th>
</tr>
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<tbody>
<tr>
<td>Inapplicable</td>
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</tbody>
</table>

**DATE:**

**MANUSCRIPT DELINEATED BY (III):**
R. J. Pate

**DATE:**
Dec. 1962

**REVIEWED BY: R. R. Wagner**

**Scribing by (III):**
R. D. Purvis

**DATE:**
Jan. 1963

**REVIEWED BY: R. R. Wagner**

**PHOTOGROAMMETRIC OFFICE REVIEW BY (III):**
W. H. Shearouse

**DATE:**
March 1963

**REMARKS:**
### DESCRPTIVE REPORT - DATA RECORD

**CAMERA (KIND OR SOURCE) (III):**
- C&GS 9 lens
- Wild W Single lens

<table>
<thead>
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<th>NUMBER</th>
<th>DATE</th>
<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<td>62W3777</td>
<td>4/28/62</td>
<td>09:41</td>
<td>1:20,000</td>
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<td>10/13/59</td>
<td>09:14</td>
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#### PREDICTED TIDE (III)

<table>
<thead>
<tr>
<th>REFERENCE STATION:</th>
<th>CHINCOTEAGUE POINT</th>
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<tbody>
<tr>
<td>Sandy Hook</td>
<td>Chincoteague Point</td>
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<table>
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<th>RATIO OF RANGES</th>
<th>MEAN RANGE</th>
<th>SPRING RANGE</th>
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<tbody>
<tr>
<td>4.6</td>
<td>5.6</td>
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#### SUBORDINATE STATION:
- Atlantic Marine Center
- Review by (IV): C. H. Bishop

#### DATE:
- September 1973

#### PROOF EDIT BY (IV):

**NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):** 0
- Recovered: 0
- Identified: 0

**NUMBER OF BM(3) SEARCHED FOR (II):** 0
- Recovered: 0
- Identified: 0

**NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):** None

**NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):** None

**REMARKS:**
<table>
<thead>
<tr>
<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
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<tr>
<td>Compilation complete</td>
<td>Dec. 1962</td>
<td>Superseded</td>
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<tr>
<td>Final Review</td>
<td>Sept. 1973</td>
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</table>
SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-11668

This 1:10,000 scale shoreline manuscript is one of 43 maps that comprise Project PH-5907, Cape Charles to Assateague, Virginia. The project diagram indicates the location of this map in the project.

Field inspection prior to compilation was done on 9-lens photographs in November 1961 and on single-lens photographs taken after the hurricane in March 1962.

This map was copied from RS-775, the compilation of which was based on control established by a radial plot using 9-lens photography of October 13, 1959, supplemented by the single-lens photographs taken after the hurricane. The photogrammetric plot report was not available at the time of final review and is not bound with this Descriptive Report.

Field edit was done in July 1962 and applied to the 1:10,000 scale maps rather than to RS-775.

Final review was done at the Atlantic Marine Center in September 1973. Geographic names were corrected to agree with the Final Names List dated June 22, 1972.

The compilation manuscript was a vinylite sheet 3 minutes 45 seconds in latitude by 3 minutes 45 seconds in longitude.

A cronaflex copy of the final reviewed manuscript and a negative were forwarded for record and registry.
FIELD INSPECTION REPORT
MAPS 11667, 11668 and 11669
PROJECT PH-5907

2. Areal Field Inspection.
   These maps are located along the eastern shore of
   Virginia, in Accomack County. The land area consists of
   the major part of Wallops Island and the southwestern
   part of Assateague Island. Wallops Island, located in map
   11667, is the location of the launching pads of the
   National Aeronautics and Space Administration. The rockets
   fired from here are primarily used to gather information
   on the weather in outer space. The southwestern part of
   Assateague Island is uninhabited except for the Coast
   Guard Life Saving Station, located in map 11669.
   Field inspection is believed complete as of 11-15-61.
   However, the area of Wallops Island is changing rapidly
   due to new construction and this area should be checked
   for changes by field edit. Field inspection was performed
   on the following nine-lens photographs: 60368, 60371, 60384,
   60385, 60499, 60500, 60522 and 60523. Photography was of good
   quality and no difficulty was encountered in their
   interpretation in the field. There are no unusual tone
   changes in this area.

3. Horizontal Control.
   All Coast and Geodetic Survey Control was searched for.
   There was no supplemental control established by the field
   party.
   The copy of the project diagram, on which the requirements
   for identification of control was specified, was not met in
   one instance. The diagram specified that either station
   BOGUE (V.F.C.) 1933 or EASY (V.F.C.) 1933 be identified but
   neither of the stations could be recovered. It is believed
   that sufficient control was identified to enable the office
   to have a strong plot.
   The following stations were reported lost:
   11667
   BOGUE (V.F.C.) 1933
   EASY (V.F.C.) 1933
   MAC 1949, N.A.C.A. No. 1 1951
   N.A.C.A. No. 4 1951
   Wallops Beach Coast Guard 2
   (Lookout Cupola) 1936

   11668
   none
   11669
   PETER 1949
4. **Vertical Control.**
   Two tidal bench marks of this bureau were recovered and one was identified. These marks are Assateague Coast Guard, Chincoteague Inlet Tidal Bench Marks 17 RESET (1934) and Bench Mark 18 (1933).

5. **Contours and Drainage.**
   Contours are inapplicable.
   Drainage from the islands is runoff. The tidal streams are self-evident from the photographs.

6. **Woodland Cover.**
   Woodland cover was inspected and has been classified on the photographs.

7. **Shoreline and Alongshore Features.**
   The mean high water line along Wallops Island was located by measurement from identifiable photo points. The mean high water line around Fishing Point, map 11668 was indicated by inspection and as photographed. This area changes frequently and the map should carry a notation to this effect.
   The apparent shoreline was inspected by skiff running close to shore and has been indicated on the photographs.
   The low water line was not inspected or located.
   The foreshore along the ocean is sand.
   There are no bluffs or cliffs.
   All docks, wharves, piers or landings have been indicated on the photographs.

8. **Offshore Features.**
   The only offshore features are the mud flats, at low water, in Bogues Bay, map 11667. Appropriate notes have been made on the photographs.

9. **Landmarks and Aids.**
   Landmarks for nautical charts and fixed aids to navigation are adequately covered by Form 567. This form was submitted to Washington on 11-9-61.

10. **Boundaries, Monuments and Lines.**
    The only boundaries within these maps are the limits of The National Aeronautics and Space Agency, map 11667, and the limits of Chincoteague Wildlife Refuge in maps 11668 and 11669. The limits of the space agency follows the mean low water line around Wallops Island. The limits of the wildlife refuge follows the mean low water line around Assateague Island.
11. **Other Control.**

The following recoverable topographic stations were identified for location by the plot; Tower 1961 and East Cable Galvanized Tin Building 1961. Both objects are in map 11667. There were no stations identified in maps 11668 or 11669.

12. **Other Interior Features.**

The roads on Wallops Island have been classified in accordance with Photogrammetry Instruction No. 54.

Buildings were inspected and have been indicated in accordance with Photogrammetry Instruction No. 56.

Measurement of bridges or cables was not required.

There are no airports or landing fields in the area.

13. **Geographic Names.**

A systematic investigation of names was not required.

There are no new names recommended for mapping.

14. **Special Reports and Supplemental Data.**


Letter of Transmittal, submitted with this data.

Submitted,

William M. Reynolds
Sub-unit Photo. Party 720
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)</th>
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1 FT = 0.3048006 METER

COMPUTED BY:                                      DATE:                                      CHECKED BY:                                      DATE:
PHOTOGRAHMATIC PLOT REPORT

Submitted with T-11680

31. DELINEATION

The graphic method was used.

Field inspection was adequate.

The entire shoreline of Assateague Island was transferred from RS 775, 1:20,000 scale. This shoreline was located by planetable in June 1962 during field edit and is more recent than our photographs in the area.

A very small area of Wallops Island and the approximate low-water line appearing in the northeast corner of this sheet were delineated by use of the stereoscope and projector from office interpretation of photograph 62-W-3843.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

See Item 31.

36. OFFSHORE DETAILS

Compiled in accordance with field inspection notes and office interpretation of photographs.

37. LANDMARKS AND AIDS

None.
38. **CONTROL FOR FUTURE SURVEYS**

None.

39. **JUNCTIONS**

A satisfactory junction has been made with T-11667 on the west, T-11663 on the north and T-11669 on the east. There is no survey to the south, this area being open water.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No statement.

46. **COMPARISON WITH EXISTING MAPS**

Comparison has been made with quadrangle WALLOPS ISLAND, scale 1:25,000 compiled by USGS 1942 copied by AMS 1946.

The shoreline of Assateague Island has undergone considerable change.

47. **COMPARISON WITH NAUTICAL CHARTS**

Comparison was made with USC&GS charts No. 1220 edited Sept. 1961 and No. 1221 edition March 1962, scale 1:80,000.

The comparison was generally favorable except for the shoreline of Assateague which appears to be undergoing continuous change.

**ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY**

None.

**ITEMS TO BE CARRIED FORWARD**

None.

\[Signature\]
R. J. Pate
Carto-Photo Aid

**APPROVED AND FORWARDED:** 8 APR 1953

\[Signature\]
V. Ralph Sobiersalski
Tampa District Officer
June 22, 1972

GEOGRAPHIC NAMES
FINAL NAME SHEET
PH-5907 (Virginia)
T-11668

Assateague Island
Atlantic Ocean
Chincoteague Inlet
Chincoteague National Wildlife Refuge
Fishing Point
Toms Cove

Approved:
A. J. Wright
A. Joseph Wright
Chief Geographer

Prepared by:
Frank W. Pickett
Cartographic Technician
49. NOTES FOR THE HYDROGRAPER

None.
<table>
<thead>
<tr>
<th>Title</th>
<th>WHS</th>
<th>5. Horizontal Control Stations of Third-Order or Higher Accuracy</th>
<th>WHS</th>
<th>6. Recoverable Horizontal Stations of Less Than Third-Order Accuracy (Topographic Stations)</th>
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<tbody>
<tr>
<td>16. Aids to Navigation</td>
<td>XX</td>
<td>17. Landmarks</td>
<td>XX</td>
<td>18. Other Alongshore Physical Features</td>
<td>WHS</td>
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<tr>
<td>30. Other Cultural Features</td>
<td>WHS</td>
<td>31. Boundary Lines</td>
<td>XX</td>
<td>32. Public Land Lines</td>
<td>XX</td>
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<tr>
<td>33. Geographic Names</td>
<td>WHS</td>
<td>34. Junctions</td>
<td>WHS</td>
<td>35. Legibility of the Manuscript</td>
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<td>WHS</td>
<td>Signature of Supervisor</td>
<td></td>
<td>Use Reverse Side for Remarks</td>
<td></td>
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<tr>
<td>Signature of Compiler</td>
<td></td>
<td>Signature of Supervisor</td>
<td>WHS</td>
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</tbody>
</table>

Note: The document contains a table with various entries related to surveying and mapping, including control stations, alongshore areas, physical features, cultural features, boundaries, and miscellaneous items. Each entry is classified as XXX, WHS, or unclassified.
FIELD EDIT REPORT

RS 775 (1:20,000 scale) of which T-11663 is a part, was field edited by William M. Reynolds in June 1962. Those field edit corrections were applied to this map. No field edit report has been received.
REVIEW REPORT T-11668

SHORELINE

September 21, 1973

61. GENERAL STATEMENT

See Summary on page 6 of this Descriptive Report.

An ozalid comparison print, showing differences noted in Items 62 and 63, is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with Survey T-8168, scale 1:20,000, dated 1942. Significant shoreline changes were shown in blue on the comparison print. Shoreline bordering on Chincoteague Inlet is unstable and has shifted considerably.

In the area compared, T-11668 supersedes the registered survey for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with AMS SHEET 5959 IV SW, WALLOPS ISLAND, VIRGINIA, 1:25,000, printed in 1949. This map is a copy of C&GS Map T-8168; therefore, differences are the same as noted in Item 62.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No contemporary hydrographic surveys were available for comparison.

65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with Chart 1221, scale 1:80,000, 16th edition, dated September 11, 1971. The chart scale was not adequate for a meaningful comparison. No significant differences were noted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

The Photogrammetric Plot Report, which usually states the accuracy of control used for compilation, was not available for final review and no accuracy statement was made in the Compilation Report. No accuracy test was run in the field. However, there is no reason to believe that accuracy was sub-standard. It is believed that this map is adequate for photo-hydro support and construction of nautical charts.
Reviewed:

Charles H. Bishop
Charles H. Bishop
Cartographer

Approved for forwarding:

Kevin J. Emich, CDR, NOAA
Chief, Coastal Mapping Division, AMC

Approved:

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

Approved:

Chief, Photogrammetric Branch
Chief, Coastal Mapping Division
COMPARISON PRINT
Blue = T-8168