Form 504
U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>SHORELINE</th>
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<tbody>
<tr>
<td>Field No.</td>
<td>T-11685</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-11685</td>
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<tr>
<td>Class</td>
<td>II</td>
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<table>
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<th>LOCALITY</th>
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<tr>
<td>General locality</td>
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<td>Locality</td>
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<table>
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<th>DATE</th>
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<tbody>
<tr>
<td>JUL 1975</td>
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</tbody>
</table>

CHIEF OF PARTY
Elgan T. Jenkins, Field Party 726
V. Ralph Sobiersalski, Tampa District Office
Alfred G. Holmes, Director, AMC

LIBRARY & ARCHIVES
DESCRIPTIVE REPORT - DATA RECORD

PROJECT NO. (iii):
PH-5907 (21021)

FIELD OFFICE (iii):
Accomac, Virginia

CHIEF OF PARTY
Elgan T. Jenkins

PHOTOGRAHMOMETRIC OFFICE (iii):
Tampa, Florida

OFFICER-IN-CHARGE
V. Ralph Sobiersalski

INSTRUCTIONS DATED (iii):
Field: October 20, 1959
Field Amendment 1: April 26, 1960
Office: December 28, 1960
Office Amendment 1: August 10, 1961
Office Amendment 2: September 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):
Oct 9 1963

DATE REPORTED TO NAUTICAL CHART BRANCH (iv):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (iv):

GEOGRAPHIC DATUM (iii):
N. A. 1927

VERTICAL DATUM (iii):

Elevations shown as (2) refer to mean high water
Elevations shown as (3) refer to sounding datum
i.e., mean low water or mean lower low water

REFERENCE STATION (iii):
NASSANADOX 1932

LAT.: 37°28'14"N (1495.5m.)

LONG.: 75°51'21"W (537.3m.)

ADJUSTED

PLANE COORDINATES (iv):

x = 428,275.62 Ft.

y = 2,767,108.21 Ft.

STATE
Virginia

ZONE
South
## DESCRIPTIVE REPORT - DATA RECORD

### FIELD INSPECTION BY (III):
- **E. T. Jenkins**  
  **DATE:** Apr. 1961

### MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):
- **Air photo compilation**  
  **Date of photography:** Oct. 13, 1959

### PROJECTION AND GRIDS RULED BY (IV):
- **A. Riley**  
  **DATE:** Jan. 1962

### PROJECTION AND GRIDS CHECKED BY (IV):
- **I. Y. Fitzgerald**  
  **DATE:** Jan. 1962

### CONTROL PLOTTED BY (III):
- **V. P. Cackowski**  
  **DATE:** Jan. 1962

### CONTROL CHECKED BY (III):
- **R. R. Wagner**  
  **DATE:** Jan. 1962

### RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):
- **R. R. Wagner**  
  **DATE:** Mar. 1962

### STEREOSCOPIC INSTRUMENT COMPILATION (III):
- **PLANIMETRY**  
  **DATE:**

- **CONTOURS**  
  **DATE:**

### MANUSCRIPT DELINEATED BY (III):
- **R. Dossett**  
  **Reviewed by:** W. H. Shearouse  
  **DATE:** Apr. 1962  
  **May 1962**

### Scribing by (III):
- **V. P. Cackowski**  
  **Reviewed by:** R. R. Wagner  
  **DATE:** Mar. 1962  
  **Mar. 1962**

### PHOTOGRAMMETRIC OFFICE REVIEW BY (III):
- **W. H. Shearouse**  
  **DATE:** Apr. 1963

### REMARKS:
### DESCRIPTIVE REPORT - DATA RECORD

**Camera (Kind or Source) (III):**

C&GS Nine-lens and single-lens

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<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<td>10-4-59</td>
<td>Not known</td>
<td>1:10,000</td>
<td></td>
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<tr>
<td>59-W-9297</td>
<td>10-4-59</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>59-W-9298</td>
<td>10-4-59</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>60580</td>
<td>10-13-59</td>
<td>11/46</td>
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<td>-0.1 ft. above MLLW</td>
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### Predicted Tide (III)

**Reference Station:** Sandy Hook

**Subordinate Station:** Upshur Neck, South End

**Atlantic Marine Center Review by (IV):** C. H. Bishop

**Proof Edit by (IV):**

**Number of Triangulation Stations Searched for (II):** 1

**Number of BMS(S) Searched for (II):** 0

**Number of Recoverable Photo Stations Established (III):** 2

**Number of Temporary Photo Hydro Stations Established (III):** 0

**Remarks:**

(Additional remarks or notes can be added here if necessary.)
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<tr>
<th>COMPILATION RECORD</th>
<th>COMPLETION DATE</th>
<th>REMARKS</th>
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<tr>
<td>Manuscript complete pending field edit</td>
<td>May 1962</td>
<td>Superseded</td>
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<tr>
<td>Final Review</td>
<td>Nov. 1973</td>
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SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11685

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 on page 5 indicates the location of this map in the project.

Field inspection prior to compilation was done in April, 1961.

Compilation was from 9-lens photographs taken on October 13, 1959 and single lens photographs taken on October 4, 1959. Control was based on a radial plot, using the 9-lens photographs. The Photogrammetric Plot Report was not available at the time of final review and is not bound with this Descriptive Report.

Field edit of this map was not accomplished.

Final review was done at the Atlantic Marine Center in November, 1973.

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 have been forwarded for record and registry.
FIELD INSPECTION REPORT
FOR MAPS 11682 THROUGH 11688
PROJECT 5907, VIRGINIA

2. AREAL FIELD INSPECTION-
The area covered by the seven maps, with the exception of map 11685, is composed mostly of mud flats that are bare or nearly so at mean low water. This mud area is very soft and will not afford footing for any type of travel at low water. Some of these mud areas have insufficient water, even at high tide, to support skiffs drawing more than two feet of water.

At high water these areas are large shallow areas of water that can become very choppy with strong winds. There are scattered shell piles throughout the areas that makes small boat travel very hazardous to anyone crossing these areas at high water.

The outer shore of Hog and Parramore Islands is said that held its position well during hurricane Donna of September, 1960. Numerous measurements were made from fixed objects to the present shoreline to determine the shoreline delineation on the photographs.

The quality of the photography is good. Most single pile structures can be identified on the nine lens photographs. It is believed that enough photographic tones have been labeled to clarify all tones for the compilers.

3. HORIZONTAL CONTROL-
All stations, indicated on the Project Diagram, have been searched for. Those that were desired to be identified were all recovered and identified except CHIMNEY, NORTHEAST CALE OF SHACK, 1934. This station is destroyed and was replaced with topographic station CUTE, 1961. CUTE, 1961 will furnish control if desired as a fix was observed from it as well as it was referenced to a photograph point.
The following stations are lost or destroyed and reported on Form 526;
DRAW, 1933
Great Machipongo River Bl. Beacon No. 3, 1934
Great Machipongo River Red Beacon No. 2, 1934
Great Machipongo River Channel L.t., 1933
CUNJER CHANNEL LIGHT, 1937
SLOOP, 1910
Little Machipongo Inlet, North Inlet Light, 1933
PONGO, 1934
SOUTHWEST GABLE OF OLD TWO STORY HOUSE, 1934
Revels Island, West Gable Chimney, 1934
LITTLE MACHIPONGO INLET, COAST GUARD TOWER, 1937
CHIMNEY, NORTHEAST GABLE OF SHACK, 1934

4. VERTICAL CONTROL-
   Tidal bench mark 1, map 11686 was recovered and identified.

The following bench marks are lost;

Tidal bench marks 1, 2 and 3 all of 1947, Revel Creek, Little Machipongo Inlet, Lat. 37-29.8 and Long. 75-41.0
Tidal bench mark 3, 1914, Little Beach Cove, Little Powder Tub Creek, Parramore Island, Lat. 37-31.9 and Long. 75-39.3

5. CONTOURS AND DRAINAGE-
   Drainage consists of small streams and ditches. Those that were considered of sufficient size have been delineated. There are some few flat areas that will occasionally flood but there is no real swamp of importance.

6. WOODLAND COVER-
   The tree areas are mostly pine with some few areas interspersed with hardwoods.

7. SHORELINE AND ALONGSHORE FEATURES.
   The shoreline is mostly apparent. Very often there is a fringe of Sea Oats or Sea Oats sometimes fifty or more feet in width at the offshore edge of the marsh. This type of grass may reach a height of three to four feet during the summer and fall months and then be killed out during the winter season.
This can cause the apparent shoreline to change with the seasons. However as the grass is growing in these areas most of the year, the apparent shoreline was delineated along the outer edges of it.

There is a submerged telephone cable between the islands of Parramore and Hog. The approximate underwater position of this cable has been delineated on the photographs. This position could be several hundred feet in error as the position was determined by verbal information from the Hog Island Coast Guard Personnel.

3. OFFSHORE FEATURES-
There are no offshore features of any size.
There are thousands of small stakes scattered over the mud flats that mark either some small channel or beds of oysters.

9. LANDMARKS AND AIDS-
Landmarks and aids are reported on Form 567. The black and white prints of the color photography were field inspected to verify or correct the office identification of the aids to navigation. Fixed aids not identified on the photographs have been located using ground survey methods.

10. BOUNDARIES, MONUMENTS AND LINES-
The corporate limits of Nassawadox, Virginia have been delineated on single lens ratio print 59W 9297 as far as possible to do so. Some of the southern boundary will need to be projected from an enclosed plat.
An enclosed map of Accomac County will show the mapped position of the line between Accomac and Northampton Counties. Information from the County Court Clerks of these two counties failed to reveal any information concerning a legal description. The division line was established in 1663 and any legal action concerning it has probably been lost in the files of three hundred years. The county court clerks advise that the best place to obtain such information is with the Virginia Department of Highways.
A branch office of this department was visited at Accomac, Virginia. Information obtained from this branch office indicates that their maps are compiled from old federal maps and records. It appears as no one is positive as to just where this line is. The Virginia Highway Department position their highway county line markers by a scaled distance from a map of the enclosed type. There is a possibility that there is a descrip of this line somewhere in the files of the Northampton Court House, but no more investigations will be made unless instructed to do so.

11. OTHER CONTROL-

Three previously marked topographic stations were searched for but not found. This information is reported on Forms 524.

The following is a list of new topographic stations established.

| BOSS | HANG | GABE |
| BOOM | GONE | GOUT |
| BUNT | MORE | WIND |
| DUNE | GRAY | HELP |
| HAND | CUTE | HURT |
| CUPOLA | RUIN | SHED |

12. OTHER INTERIOR FEATURES-

All roads and buildings have been inspected and classified according to current instructions.

There are no bridges or cable clearances required.

13. GEOGRAPHIC NAMES-

No systematic investigation was made and no errors found in the geographic names.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA-

The following map and plat is enclosed;

Accomac County Map
Nassawadox Corporate Limits.

No changes are recommended for the Coast Pilot.
It is not believed that notes to the compiler would be of any aid in the compilation.

The field photographs and all other data for the compilation of these maps are being transmitted by transmittal letter 62-1J dated 28th July, 1961

Respectfully submitted,
July 26, 1961

Elgan T. Jenkins
Chief of Party 726
<table>
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<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR Y-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927 DATUM 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>NASSAWADDY 1932</td>
<td>14</td>
<td>W A 1927</td>
<td>428,275.62</td>
<td>2,767,108.21</td>
<td>PJ. 10C 11/16/21</td>
<td>( \checkmark ) CRW</td>
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</tbody>
</table>

1 FT. = 0.3048008 METER

COMPUTED BY: [Signature]  
DATE: 29/11/61  
CHECKED BY:  
DATE:
COMPILATION REPORT T-11685

PHOTOGRAHMETRIC PLOT REPORT

Submitted with T-11688.

31. DELINEATION

The graphic method was used.

The photographs were sufficiently clear, but generally of poor scale. Photograph 60579 which falls to the east on manuscript T-11686 was of good scale and was used for most of the delineation. The single-lens photographs were used principally for the inshore inspection appearing thereon. All shoreline was taken from nine-lens photographs 60579 and 60580. Field inspection was adequate. The inshore limits of delineation was established by the Tampa Office subsequent to receipt of Office Instructions Amendment II, dated September 29, 1961, which changed the project from planimetric to shoreline mapping.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage has been delineated as shown photographically and according to field inspection notes.

35. SHORELINE AND ALONGSHORE DETAILS

Mean high-water and low-water lines, and alongshore structures were delineated from field inspection notes. Inspection was adequate.

36. OFFSHORE DETAILS

None.
37. **LANDMARKS AND AIDS**

None.

38. **CONTROL FOR FUTURE SURVEYS**

Two topographic stations were established. Both are building gables. Form 52h is submitted and the stations listed under item 49.

39. **JUNCTIONS**

A satisfactory junction has been made with T-11686 on the east and T-11689 on the south. There is no contemporary survey to the north or west.

46. **COMPARISON WITH EXISTING MAPS**

A comparison has been made with U. S. Army Map Service quadrangle NASSAWADOX, scale 1:25,000, copied in 1947 from 1:31,680 "Nassawadox, 1942". Comparison was favorable.

47. **COMPARISON WITH NAUTICAL CHARTS**

Comparison has been made with nautical chart 1221, scale 1:80,000, 8th edition, revised to October 28, 1961. Due to the small scale of the chart only a general comparison of the shoreline was made. This was favorable.

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

None.

**ITEMS TO BE CARRIED FORWARD.**

None.

**APPROVED AND FORWARDED - 4 OCT 1983**

[Signature]

Ralph Sobiersalski
Tampa District Officer
June 22, 1972

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-5907 (Virginia)

T-11685

Brick House Neck
Fowling Point
Greens Creek
Hog Island Bay
Machipongo River
Phillips Creek
Red Bank
Red Bank Creek
The Hammocks
Thomas Wharf
Upshur Creek

Approved:
A. J. Wraith
Chief Geographer

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

The following is a list of topographic stations which may be of use to the hydrographer:

SHED 1961 (S. E. gable)

Ruin 1961 (N. gable)
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<tr>
<th></th>
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<tr>
<td>WHS</td>
<td>WHS</td>
<td>Unclassified</td>
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**Control Stations**

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<th>6. Recoverable Horizontal Stations of Less Than Third-Order Accuracy (Topographic Stations)</th>
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11. Detail Points

**Alongshore Areas**

(Nautical Chart Date)

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19. Other Alongshore Cultural Features

**Physical Features**

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<th>21. Natural Ground Cover</th>
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26. Other Physical Features

**Cultural Features**

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**Boundaries**

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**Miscellaneous**

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Signature of Reviewer

William H. Shearouse

Signature of Supervisor

Milton M. Slayney

40. Field Completion Additions and Corrections to the Manuscript: Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.

Signature of Compiler

Signature of Supervisor

USE REVERSE SIDE FOR REMARKS
REVIEW REPORT T-11685

SHORELINE

November 12, 1973

61. GENERAL STATEMENT

See Summary on page 6 of this Descriptive Report.

No comparison print was made for this map.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with Survey T-8174, 1:20,000 scale, dated 1943. Some shoreline differences were noted but they were not considered significant.

T-11685 superseded previous topographic surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with AMS SHEET 5858 IV NE, NASSAWADOX, VA, scale 1:25,000, dated 1947. T-8174 was the origin of this map and differences noted were the same.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No contemporary hydrographic surveys were available for comparison.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Chart 1221, scale 1:80,000, 16th edition, dated Sept. 11, 1971. 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 is substandard.
Reviewed by:

Charles H. Bishop
Charles H. Bishop
Cartographer

Approved for forwarding:

Jeffrey G. Carlen, 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