**Type of Survey**: SHORELINE

**Field No.**: T-11682

**State**: VIRGINIA

**General locality**: ACCOMACK COUNTY

**Locality**: MAJOR HOLE BAY

**DATE**: JUL 1975

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

**LIBRARY & ARCHIVES**
DESCRIPTIVE REPORT - DATA RECORD
T - 11682

PROJECT NO. (III):
Ph-5907 (21021)

FIELD OFFICE (II):
Accomac, Virginia

CHIEF OF PARTY
Elgan T. Jenkins

PHOTOGRAMMETRIC OFFICE (III):
Tampa, Florida

OFFICER-IN-CHARGE
V. Ralph Sobieralski

INSTRUCTIONS DATED (II) (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):
MHW

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

REFERENCE STATION (III):
AYER 3, 1933

LAT.: 37°32'10.6"N (50.7m.)
LONG.: 75°41'23.799"W (584.3m.)

PLANE COORDINATES (IV):

\[448,765.29\text{ Ft.} \quad \times = 2,800,221.91\text{ Ft.}\]

STATE
Virginia

ZONE
South

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):

Elgan T. Jenkins

DATE:

Feb. 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. R. (Washington Office)

DATE

Jan. 1962

PROJECTION AND GRIDS CHECKED BY (IV):

A. R. (Washington Office)

DATE

Mar. 1962

CONTROL PLOTTED BY (III):

R. R. Wagner

DATE

Mar. 1962

CONTROL CHECKED BY (III):

V. P. Cackowski

DATE

Mar. 1962

RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):

R. R. Wagner

DATE

June 1962

STEREOSCOPIC INSTRUMENT COMPILATION (III):

PLANIMETRY

Inapplicable

CONTOURS

DATE

MANUSCRIPT Delineated by (III):

V. P. Cackowski

Reviewed by: I. I. Saperstein

DATE

July 1962

Scribing by (III):

V. P. Cackowski

Reviewed by: R. R. Wagner

DATE

Dec. 1962

PHOTOGRAMMETRIC OFFICE REVIEW BY (III):

R. R. Wagner

DATE

Apr. 1963

REMARKS:
### PHOTOGRAPHS (III)

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<tr>
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<th>STAGE OF TIDE</th>
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<tr>
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<td>10-13-59</td>
<td>1139</td>
<td>1:10,000</td>
<td>0.0 ft. above MLW</td>
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<tr>
<td>60569</td>
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<tr>
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### Predicted TIDE (III)

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<tr>
<th>REFERENCE STATION:</th>
<th>Sandy Hook</th>
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<tr>
<td>SUBORDINATE STATION: The Swash, south end</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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<td>HW=0.7</td>
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<td>4.7</td>
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<tr>
<td>LW=0.0</td>
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<td></td>
</tr>
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</table>

---

**Atlantic Marine Center**

**REVIEW BY (IV):** C. H. Bishop

**DATE:** Nov. 1973

**PROOF EDIT BY (IV):**

**NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):** 3

**NUMBER OF BM(S) SEARCHED FOR (III):** 0

**NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):** 3

**NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):** None
<table>
<thead>
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<th>COMPILATION RECORD</th>
<th>COMPLETION DATE</th>
<th>REMARKS</th>
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</thead>
<tbody>
<tr>
<td>Manuscript complete pending field edit</td>
<td>July 1962</td>
<td>Superseded</td>
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<tr>
<td>Final Review</td>
<td>Nov. 1973</td>
<td></td>
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</tr>
</tbody>
</table>
SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-11682

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 February 1961.

Compilation was from 9-lens photographs taken on October 13, 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 sand 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 GABLE 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 Lt., 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. 75-39.8

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.

8. 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 description 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
- BOOM: GONE
- BUNT: MORE
- DUNE: GRAY
- HAND: CUTE
- CUPOLA: RUIN
- GABE: GOUT
- WIND: HELP
- HURT: 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 28, 1961

Elgan T. Jenkins
Chief of Party 726
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR y-COORDINATE</th>
<th>LONGITUDE OR x-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</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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<tbody>
<tr>
<td>AYER 3 1932</td>
<td>PC 49</td>
<td>NA 1927</td>
<td>448,765.29</td>
<td>2,800.221.91</td>
<td>13  6783.9</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>SAND ISLAND CHANNEL LT BN 3 1959</td>
<td>VI 11</td>
<td></td>
<td>438,008.08</td>
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<td>13  3325.6</td>
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<tr>
<td>SAND 1933</td>
<td>49</td>
<td></td>
<td>437,419.12</td>
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<td>13  3325.6</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

1 FT = 304.8006 METER

COMPUTED BY: [Signature] DATE: 7/20/62

CHECKED BY: [Signature] DATE: 7/20/62
PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11680.

31. **DELINEATION**

The graphic method was used.

Nine-lens 1959 photographs were used. The scale varied from good to fair. Color photography was used to identify aids to navigation in Upshur Bay.

Field inspection was generally adequate.

32. **CONTROL**

See photogrammetric plot report.

33. **SUPPLEMENTAL DATA**

None.

34. **CONTOURS AND DRAINAGE**

Inapplicable.

35. **SHORELINE AND ALONGSHORE DETAILS**

All jetties, piers etc. indicated by field inspection have been delineated accordingly. Low water and shoal lines were generally delineated from office interpretation of the photographs.

36. **OFFSHORE DETAILS**

All details have been delineated as inspected.

37. **LANDMARKS AND AIDS**

No landmarks were recommended.

All aids have been reported on form 567 and submitted under the date of July 6, 1962.
38. **CONTROL FOR FUTURE SURVEYS**
   Two forms 524 are being submitted with the manuscript data.

   See item 49 for listing.

39. **JUNCTIONS**
   A satisfactory junction has been secured with T-11683 on the east,
   T-11679 on the north, T-12130 on the west and T-11687 on the south.

40. **HORIZONTAL AND VERTICAL ACCURACY**
   No statement required.

46. **COMPARISON WITH EXISTING MAPS**
   A comparison has been made with U. S. Geological Survey Quadrangle
   WACHAPREAGUE, VA., scale 1:24,000, published in 1958 from photographs
   taken in 1949 with topography done in 1957. Both maps compare favorably
   with no major changes noted.

47. **COMPARISON WITH NAUTICAL CHARTS**
   Comparison has been made with Chart 1221, scale 1:80,000, 9th
   Edition, revised to March 12, 1962. Comparison is favorable with no
   major changes noted.

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

None.

**ITEMS TO BE CARRIED FORWARD**

None.

V. P. Cackowski
Cartographer (Photo)

APPROVED AND FORWARDED - 4 OCT 1963

V. Ralph Sobierski
Tampa District Officer
June 22, 1972

GEORGIC NAMER

FINAL NAME SHEET

PH-5907 (Virginia)

T-11682

Barge Point
Bordenstake Bay
Chalk Pipe Gut
Cockle Creek
Ebb Tide Creek
Great Gap Channel
Little Gap Channel
Little Sloop Channel
Machipongo River
Major Hole Bay
Middle Gap Channel
Quinby

Revel Island Bay
Sandy Island
Sandy Island Channel
Shell Narrows
Sloop Channel
Upshur Bay
Upshur Creek
Upshur Neck
Waterhole Creek
White Perch Cove
White Trout Creek
Wire Creek

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

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

The following topographic stations may be of use to the hydrographer:

BOSS, 1961
HANG, 1961

GABE, 1961 (S W Gable 2 1/2 story house)
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RRW</td>
<td>RRW</td>
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<td>RRW</td>
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</tbody>
</table>

**Control Stations**
- Horizontal Control Stations of Third-Order or Higher Accuracy: RRW
- Recoverable Horizontal Stations of Less Than Third-Order Accuracy (Topographic Stations): RRW
- Photo Hydro Stations: XX
- Bench Marks: XX
- Plotting of Sextant Fixes: XX
- Photogrammetric Plot Report: MMS
- Detail Points: IIS

**Alongshore Areas**
- Shoreline: RRW
- Low-Water Line: RRW
- Rocks, Shoals, Etc.: RRW
- Bridges: XX
- Aids to Navigation: RRW
- Landmarks: XX
- Other Alongshore Physical Features: RRW
- Other Alongshore Cultural Features: RRW

**Physical Features**
- Water Features: RRW
- Natural Ground Cover: RRW
- Planetary Contours: XX
- Stereoscopic Instrument Contours: XX
- Contours in General: XX
- Spot Elevations: XX
- Other Physical Features: RRW

**Cultural Features**
- Roads: RRW
- Buildings: RRW
- Railroads: XX
- Other Cultural Features: RRW

**Boundaries**
- Boundary Lines: XX
- Public Land Lines: XX

**Miscellaneous**
- Geographic Names: RRW
- Legibility of the Manuscript: RRW
- Discrepancy: IIS
- Descriptive Report: RRW
- Field Inspection Photographs: RRW
- Forms: RRW

**Signature of Reviewer**: [Signature]

**Signature of Supervisor, Review Section or Unit**: [Signature]

**Signature of Compiler**: [Signature]

**Signature of Supervisor**: [Signature]

**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.

**Use Reverse Side for Remarks**: [Stamp]
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 V. P. Gackowski. 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.

<table>
<thead>
<tr>
<th>STATE</th>
<th>VIRGINIA</th>
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<td>DESCRIPTION</td>
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<td></td>
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<tr>
<td>LITTLE Quinby Creek Junction</td>
<td>37 30 25.37</td>
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<tr>
<td>LITTLE Quinby Creek</td>
<td>37 31 08.70</td>
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<tr>
<td>LITTLE Quinby Creek 1</td>
<td>37 31 23.12</td>
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<tr>
<td>LITTLE Quinby Creek 2</td>
<td>37 31 33.24</td>
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<td>LITTLE Quinby Creek 4</td>
<td>37 31 102.17</td>
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<td>37 32 20.90</td>
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<td>LITTLE Quinby Creek 6</td>
<td>37 32 40.17</td>
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<tr>
<td>LITTLE Quinby Creek 7</td>
<td>37 32 50.60</td>
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</table>

* From field inspection; no data available.

Tabulate seconds and meters.
U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Tampa District Office       July 6, 1962

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

V. P. Cackowski

V. Ralph Sobierski   Chief of Party.

<p>| STATE  | VIRGINIA |
|-----------------------------------------------|</p>
<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIRGINIA INSIDE PASSAGE</td>
<td>Machapreague to Little Machipongo Channel</td>
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<table>
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<th>POSITION</th>
<th>LATITUDES</th>
<th>LONGITUDES</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY NO</th>
<th>DATE OF LOCATION</th>
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<td>S</td>
<td>W</td>
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<td>D.M. METERS</td>
<td>D.P. METERS</td>
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<td>Photo Plot</td>
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<td>37.31</td>
<td>38.78</td>
<td></td>
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</tbody>
</table>

62170 indicates charted position is correct.

Little Machipongo Channel to Great Machipongo Channel

Daybeacon 13B is now in approximate location formerly occupied by Daybeacon 13A.

Daybeacon 13A is to the northeast; position to be furnished after field edit.

* From field inspection, no date available.

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-15, 2-19, 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.

USCGADOC 1984-PS1
REVIEW REPORT T-11682
SHORELINE
November 7, 1973

61. GENERAL STATEMENT

See Summary on page 6 of this Descriptive Report.

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with Survey T-8440, 1:20,000 scale, dated 1942. Significant differences were shown in blue on the comparison print.

T-11682 supersedes previous topographic surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with USGS Quadrangle WACHAPREAGUE, VA, scale 1:24,000, dated 1958. Significant differences were shown in brown on the comparison print.

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 shoreline differences were noted. Fixed aids to navigation are mapped on T-11682 as they existed in 1961.

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

Cartographer

Approved for forwarding:

Jeffrey C. Carlen
Jeffrey C. 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
COMPARISON PRINT

Blue = T-8440
Brown = USGS
COMPARISON PRINT

Blue = T-8440
Brown = USGS
Major Hole Bay

Comparision Print

Blue = T-8440
Brown = USGS

NOTE: Geographic location and delineation of features to the mean high-water line on this survey complete or final. The contemporary geographic survey of the area where available, consulted for the final delineation.