**Form 804**

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>SHORELINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>T-12082</td>
</tr>
<tr>
<td>Office No.</td>
<td></td>
</tr>
</tbody>
</table>

**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>Maryland</th>
</tr>
</thead>
<tbody>
<tr>
<td>General locality</td>
<td>Worcester County</td>
</tr>
<tr>
<td>Locality</td>
<td>Windmill Cove</td>
</tr>
</tbody>
</table>

1961-1963

**CHIEF OF PARTY**

Ray M. Sundeen - Chief of Field Party
Miller J. Tonkel - Baltimore District Office

**LIBRARY & ARCHIVES**

**DATE**
### DESCRIPTIVE REPORT - DATA RECORD

**PROJECT NO. (III):**

PH-6103 (21039)

**FIELD OFFICE (II):**

Snow Hill, Maryland

**CHIEF OF PARTY:**

Ray M. Sundeen

**PHOTOGRAMMETRIC OFFICE (III):**

Baltimore District Office

**OFFICER-IN-CHARGE:**

Miller J. Tonkel

**INSTRUCTIONS DATED (III) (IV):**

II 20 November 1961  
III 24 October 1962  
   26 July 1963, Amendment I

**METHOD OF COMPILATION (III):**

Kelsh plotter

**MANUSCRIPT SCALE (III):**

1:10,000

**STEREOSCOPIC Plotting instrument SCALE (III):**

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):**

N. A. 1927

**REFERENCE STATION (III):**

LAWRENCE, 1958

**LAT.:**

38° 13' 00.5186"

**LONG.:**

75° 15' 03.0608"

**X ADJUSTED**

**STATE:**

Maryland

**ZONE:**

**PLANE COORDINATES (IV):**

y = 14,468.28 ft.  
x = 1,302,543.51 ft.

**VERTICAL DATUM (III):**

MSL

**XXX XXX XXX XXX**

**EXCEPT AS FOLLOWS:**

Elevations shown as (25) refer to mean high water

Elevations shown as (3) 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 (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.**
**DESCRIPTIVE REPORT - DATA RECORD**

**FIELD INSPECTION BY (III):**
- Robert S. Tibbetts
- Date: March 1962

**MEAN HIGH WATER LOCATION (III) [STATE DATE AND METHOD OF LOCATION]:**
- Mean high water line located by Kelsh Plotter using field inspection notes.

**PROJECTION AND GRIDS RULED BY (IV):**
- A. E. Roundtree
- Date: 8/30/62

**PROJECTION AND GRIDS CHECKED BY (IV):**
- I. Y. Fitzgerald
- Date: 9/10/62

**CONTROL PLOTTED BY (III):**
- L. A. Senasack
- Date: 4/3/63

**CONTROL CHECKED BY (III):**
- L. O. Neterer
- Date: 4/3/63

**RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):**
- H. P. Eichert, Washington Office
- Date: 3/22/63

**STEREOSCOPIC INSTRUMENT COMPILATION (III):**
- J. D. McEvoy
  - Planimetry: Date: 4/24/63
  - Contours: Date: 

**MANUSCRIPT Delineated BY (III):**
- C. A. Lipscomb
- Date: 5/28/63

**Scribing BY (III):**
- J. Cregan
- Date: 4/10/64

**PHOTOGRAMMETRIC OFFICE REVIEW BY (III):**
- E. L. Rolle
- Date: 4/10/64

**REMARKS:**
**CAMERA (KIND OR SOURCE) (III):**

S camera

**PHOTOGRAPHS (III):**

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>DATE</th>
<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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</thead>
<tbody>
<tr>
<td>61-S-9058</td>
<td>24 May 1961</td>
<td>0832</td>
<td>1:30,000</td>
<td>0.4 ft. above MLW</td>
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</table>

**TIDE (III):**

<table>
<thead>
<tr>
<th>REFERENCE STATION:</th>
<th>Sandy Hook, New Jersey</th>
<th>RATIO OF RANGES</th>
<th>MEAN RANGE</th>
<th>SPRING RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>4.6</td>
<td>5.6</td>
<td></td>
</tr>
</tbody>
</table>

**SUBORDINATE STATION:**

| Ocean City, Maryland |                        | 3.4            | 4.1        |              |

**WASHINGTON OFFICE REVIEW BY (IV):**

Leo F. Beugnet-Atlantic Marine Center

**DATE:**

November 1966

**REMARKS:**

None
<table>
<thead>
<tr>
<th>Compilation complete</th>
<th>May 1963</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>
SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-12062

Shoreline map T-12062 is one of twenty-one similar maps in this project. It is located on the westerly side of Chincoteague Bay and covers the greater part of Windmill Cove.

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

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.
FIELD INSPECTION REPORT
MAP T-12082
PROJECT PH-6103
CHINCOTEAGUE BAY, MARYLAND

For all data pertaining to this sheet please refer to the Field Inspection Report for T-12079.

Respectfully submitted:

Robert S. Tibbetts
Surveying Technician

Approved for forwarding:

Ray M. Sundeen
Chief of Party

Field inspection notes for this sheet appear on photographs:

61-S-9057 thru 9059
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<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 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAURENCE, 1958</td>
<td>Md.Vol. 2 Pg. 402</td>
<td>N.A. 1927</td>
<td>114,468,28</td>
<td></td>
<td>1,302,543,51</td>
<td></td>
</tr>
</tbody>
</table>
PHOTOGRAMMETRIC PLOT REPORT
T-12082

Please refer to the Photogrammetric Plot Report bound with T-12074 for data pertaining to this survey.
31. **DELINEATION**

The Kelsh plotter was used to delineate the manuscripts using field inspection notes provided by the field inspector. The field inspection was adequate and complete and no difficulties were encountered during compilation.

32. **CONTROL**

Control for setting the Kelsh models consisted of passpoints established by aerotriangulation. The density and placement of these points was adequate.

33. **SUPPLEMENTAL DATA**

None.

34. **CONTOURS AND DRAINAGE**

Contours - inapplicable

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

35. **SHORELINE AND ALONGSHORE DETAIL**

The shoreline inspection was adequate and delineation was done accordingly. All alongshore details, such as piers and wharves, indicated by the field inspector have been shown.

36. **OFFSHORE DETAILS**

No offshore detail requiring investigation by future surveys in the area of these manuscripts were noted during compilation.

37. **LANDMARKS AND AIDS**

All landmarks and fixed aids to navigation within the limits of these manuscripts have been located and reported on Form 567.
38. CONTROL FOR FUTURE SURVEYS

One topographic station identified by the field inspector in
survey T-12083 was located during compilation.

39. JUNCTIONS

Satisfactory junctions were made with other surveys along their
common neat limits for the three manuscripts covered by this report.
There is no contemporary survey to the north and west of T-12082.
The Atlantic Ocean is to the east of T-12084.

40. HORIZONTAL ACCURACY

No accuracy test were conducted.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with AME WESLEY and TINGLES ISLAND, MARYLAND
quadrangles, 1:25,000 scale, edition of 1950. The comparison is
generally favorable except for the normally expected erosion along
the outer coast.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 1220, 1:80,000 scale.
The chart and manuscripts are in good general agreement.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted

Joseph Steinberg

For E. L. Rolle
Cartographer (Photo)

Approved and Forwarded:

J. Bull
Director, Atlantic Marine Center
h8. GEOGRAPHIC NAMES LIST

The geographic names for this survey were furnished by the Washington Office on a copy of AMS WESLEY, MARYLAND quadrangle.

CROPPER NECK
HARMON LANDING
KELLY POINT
MARSHALL CREEK
MASSEY CREEK
SCHOOLHOUSE BRANCH
ST LAWRENCE NECK
WATERWORKS CREEK
WINDMILL COVE
WINDMILL POINT
49. NOTES TO THE HYDROGRAPHER

No contemporary hydrographic surveys are scheduled in the area of this map.

There are no notes to the hydrographer.
<table>
<thead>
<tr>
<th>Item</th>
<th>Manuscript Numbers</th>
<th>Manuscript Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>ELR</td>
<td>ELR</td>
</tr>
<tr>
<td>2.</td>
<td>ELR</td>
<td>ELR</td>
</tr>
<tr>
<td>3.</td>
<td>ELR</td>
<td>ELR</td>
</tr>
<tr>
<td>4.</td>
<td>ELR</td>
<td>ELR</td>
</tr>
</tbody>
</table>

### 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)
   - None
7. **Photo Hydro Stations**
   - None

### Bench Marks
8. **Bench Marks**
   - None
9. **Plotting of Sextant Fixes**
   - None
10. **Photogrammetric Plot Report**
   - ELR
11. **Detail Points**
   - ELR

### shoreside areas (Nautical Chart Data)
12. **Shoreline**
    - ELR
13. **Low-Water Line**
    - ELR
14. **Rocks, Shoals, Etc.**
    - ELR
15. **Bridges**
    - None
16. **Aids to Navigation**
    - None
17. **Landmarks**
    - None
18. **Other shore features**
    - ELR
19. **Other shore features**
    - ELR

### Physical Features
20. **Water Features**
    - ELR
21. **Natural Ground Cover**
    - ELR
22. **Planetary 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

### Completion and Corrections
40. **Reviewer**
    - Joseph Steinberg
41. **Supervisor, Review Section or Unit**
    - Joseph Steinberg
42. **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 under Item 43.
43. **Compiler**
    - E. J. Rolle
44. **Supervisor**
    - 

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**Remarks**

**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 under Item 43.
This survey 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-8129, WESLEY, MD. quadrangle at 1:20,000 scale. The shoreline of the two surveys are not in good agreement. The difference appears to be caused by the difference in interpretation of the photography rather than a shift in datum as interior detail of the two surveys, such as road junctions, are in good agreement.

   Map T-12082 supersedes the older survey and should be used for future nautical chart construction in this area.

63. **COMPARISON WITH MAPS OF OTHER AGENCIES**

   Comparison was made with AMS WESLEY, MARYLAND quadrangle, 1:25,000 scale. This is the AMS edition of Registered Survey T-8129 and the same difference that exist with T-8129 also exist with this map.

64. **COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS**

   There are no contemporary hydrographic surveys in the area of this map.

65. **COMPARISON WITH NAUTICAL CHARTS**

   Comparison was made with nautical chart 1220, 1:80,000 scale, 12th edition November 1, 1965. The chart and this survey are in good general agreement.

66. **ADEQUACY OF RESULTS AND FUTURE SURVEYS**

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

   There are no recommendations for future surveys in the area.
Reviewed by:

Leo F. Beugnet
Leo F. Beugnet

Approved by:

J. Pull
Director, Atlantic Marine Center

Approved:

Chief, Photogrammetric Branch

Chief, Photogrammetry Division

Chief, Marine Chart Division
NOTES TO THE VERIFIER

There are no contemporary hydrographic surveys within the limits of this map.

The following photographs were examined during final review:
61-S-9057 thru 9059