**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-12078</td>
</tr>
<tr>
<td>Office No.</td>
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**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>Maryland</th>
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<tbody>
<tr>
<td>General locality</td>
<td>Isle of Wight Bay</td>
</tr>
<tr>
<td>Locality</td>
<td>Ocean City</td>
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</tbody>
</table>

**1961-1962**

**CHIEF OF PARTY**

W. M. Reynolds, Chief of Field Party
Miller J. Tontel, Baltimore District Office

**LIBRARY & ARCHIVES**

**DATE**
DESCRIPTIVE REPORT - DATA RECORD
T-12078

PROJECT NO. (III):
PH-6103 (21039)

FIELD OFFICE (III):
Snow Hill, Maryland

CHIEF OF PARTY
William M. Reynolds

PHOTOGRAMMETRIC OFFICE (III):
Baltimore District Office

OFFICER-IN-CHARGE
Miller J. Tonkel

INSTRUCTIONS DATED (III) (III):
II November 20, 1961
III October 24, 1962
July 26, 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):

GEOMETRIC DATUM (III):
N. A. 1927

VERTICAL DATUM (III):
MLW

EXCEPT AS FOLLOWS:
Elevations shown as (2) 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):
TEAL, 1958

LAT.: 38° 21' 02.5736"
LONG.: 75° 05' 01.6613"

ADJUSTED
UNADJUSTED

PLANE COORDINATES (IV):

STATE:
Maryland

ZONE:

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 (I):**

M. A. Stewart

**DATE:**

July-Aug. 1962

**MEAN HIGH WATER LOCATION (III): (STATE DATE AND METHOD OF LOCATION):**

1961 and 1962 panchromatic photography with Field Inspection notes.

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<tr>
<td>A. R. Roundtree</td>
<td>8/27/62</td>
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<td>I. Y. Fitzgerald</td>
<td>9/10/62</td>
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<tbody>
<tr>
<td>Leroy A. Senasack</td>
<td>2/5/63 and 1/17/63</td>
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<th>CONTROL CHECKED BY (III):</th>
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<tbody>
<tr>
<td>E. L. Rolle</td>
<td>2/5/63</td>
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<td>R. F. Carr</td>
<td>1/17/63</td>
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<td>L. O. Neterer</td>
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<td></td>
<td>1/30/63</td>
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<table>
<thead>
<tr>
<th>L.O.Neterer</th>
<th>CONTOURS</th>
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<tr>
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<td>J. Councill</td>
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<td>J. C. Cregan</td>
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<table>
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<tr>
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| REMARKS: | |
|----------| |


### Descriptive Report - Data Record

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

S and W cameras

#### Photographs (III)

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<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<tr>
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<td>May 24, 1961</td>
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<tr>
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<td>May 25, 1961</td>
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<td>62-S-2287 thru 2292</td>
<td>March 15, 1962</td>
<td>1246</td>
<td>1:15,000</td>
<td>1.5 ft. &quot; &quot;</td>
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<td>62-N-3080 thru 3812</td>
<td>April 28, 1962</td>
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<td>1:15,000</td>
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<td>62-S-3153 thru 3158</td>
<td>March 24, 1962</td>
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#### Tide (III)

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<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
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<td>Sandy Hook, N. J.</td>
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<td>4.6</td>
<td>5.6</td>
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<tr>
<td>Subordinate Station:</td>
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<td>4.1</td>
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**WASHINGTON OFFICE REVIEW BY (IV):**
Leo F. Beugnet-Atlantic Marine Center  
**DATE:** October 1966

**Proof Edit By (IV):**

**NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):** 18  
**RECOVERED:** 4  
**IDENTIFIED:** 2

**NUMBER OF BM(5) SEARCHED FOR (III):** 6  
**RECOVERED:** 4  
**IDENTIFIED** 1

**NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):** 2

**NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):** 0

**Remarks:**

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USCG-DC 16276C-P61
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<th>COMPLETION DATE</th>
<th>REMARKS</th>
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<td>Compilation complete</td>
<td>June 1963</td>
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</table>
## CHINCOTEAGUE BAY
### PROJECT PH 6103
#### PLANIMETRIC MAPPING
#### SCALE, 1:10,000

## OFFICIAL MILEAGE

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SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12078

Shoreline map T-12078 is one of twenty-one similar maps in this project. It covers a portion of Fenwick Island, Assateague Island, Isle of Wight and Sinepuxent Bays. The primary purpose of the maps was to furnish shoreline for the Bureau's Nautical Chart Program and special charts for the State of Maryland, Department of Tidewater Fisheries.

Field operations preceding compilation included recovery and identification of horizontal control, field and shoreline inspection, identification of landmarks and location of fixed aids to navigation.

Compilation was by Kelsh plotter methods at 1:10,000 scale using the panchromatic photography obtained in 1961 and 1962.

The manuscript is a vinylite sheet 3 3/4' in latitude by 4 1/2' 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-12078
PROJECT PH-6103

Please refer to Field Inspection Report submitted with Map T-12074 for all information pertaining to this map.

Submitted,
William M. Reynolds
Chief, Sub-unit Photo.
Party 720

The following photography contain field inspection notes pertaining to this map:

61-S-6374, 6378, 6380
61-S-9287 and 9288
62-S-3152 thru 3158
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<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>DATUM</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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<td>N.A. 1927</td>
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1 FT = 0.3048006 METER

COMPUTED BY: REK

DATE: 9/4/62

CHECKED BY: WH

DATE: 9/4/62

COMM. DC-57843
This report covers a 13-model bridge for portions of T-12076, T-12078 and T-12081. It was accomplished in order to control a hydrographic survey in Ocean City Inlet which was required after the recent severe storm on the East Coast.

The bridge was adjusted by IBM-650 computer to four field-identified control stations with three additional stations used to check the adjustment. Closures (see attached sketch) indicate that the bridge is well within accuracy standards for scales of 1:10,000 or 1:5,000. Points were identified along shoreline to aid in graphic compilation and hydrographic surveying.

Submitted by:

[Signature]
Robert B. Kelly

Approved:

[Signature]
Everett H. Ramey
Chief, Aerotriangulation Section
PHOTOGRAMMETRIC PLOT REPORT
T-12078

also
Please refer to the Photogrammetric Plot Reports bound with T-12074 for data pertaining to this map.
In April 1962, a preliminary manuscript for T-12073 was compiled for use in hydrographic surveys of the Ocean City Inlet area. This report covers the details in compiling this manuscript.

One flight of single lens photographs, 62-S-2286 through 2292, were ratioed to 1:10,000 scale and prepared for hydro support. Pass points established by the bridge from Aero-triangulation Section were plotted on the manuscript with the coordinatograph. Delineation was confined to shoreline and foreshore features pertinent to hydrographic surveys.

The MHWL for Assateague Island was difficult to define by office interpretation. Field inspection would be required for correct delineation.

Submitted by:

Jeter P. Battley, Jr.

Approved by:

K. N. Maki
Chief, Compilation Section
31. **DELINEATION**

The Kelsh plotter was used to delineate the manuscript with the exception of the MHWL along the outer coast of Fenwick Island, Assateague Island and a small area at the junction of Sinepuxent Bay and Ocean City Inlet.

From Ocean City Inlet northward along the outer coast of Fenwick Island, the MHWL was delineated in accordance with field inspection notes that provided distances from identifiable objects to the MHWL.

The MHWL on the outer coast of Assateague Island was obtained from a manuscript compiled to provide hydro support data in this area after the storm of March 6-7, 1962. The only marginal data on this manuscript is "T-12078, scale 1:10,000, Ocean City, Md." Delineation on this manuscript was confined to the shoreline and foreshore features. An accompanying Descriptive Report classifies this as a "Preliminary" manuscript, however, it was compiled using passpoints from an aerotriangulation bridge which in turn was based on field identified control. It appears that the correct classification should have been "Incomplete". Please refer to the Field Inspection Report for the method used to correct the delineation of the MHWL and to the Preliminary Compilation Report, Project PH-6103, Ocean City, Maryland, a copy of which is page 10 of this report.

32. **CONTROL**

Horizontal control consisted of passpoints from the aerotriangulation bridge and four triangulation stations identified subsequent to aerotriangulation. The density and placement of the control was adequate for delineation of the manuscript.

33. **SUPPLEMENTAL DATA**

None.

34. **CONTOURS AND DRAINAGE**

Contours. Inapplicable.

The drainage was delineated using the Kelsh plotter.
35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was complete and adequate and delineation was in accordance with field inspection notes. Please refer to item 31 of this report and item 7 of the Field Inspection Report.

The low water, shallow and shoal lines were delineated by office interpretation. All alongshore detail indicated by the field inspector have been shown.

36. OFFSHORE DETAILS

No offshore detail requiring investigation by the hydrographic party were noted during compilation.

37. LANDMARKS AND AIDS

Six fixed aids to navigation and three landmarks have been located and reported on Form 567.

38. CONTROL FOR FUTURE SURVEYS

No control for future surveys was established.

39. JUNCTIONS

Junctions were made with T-12076 on the north, T-12077 on the west and T-12081 on the south. The Atlantic Ocean is to the east.

40. HORIZONTAL AND VERTICAL ACCURACY

No horizontal or vertical accuracy test were made.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with USGS Ocean City, Md. quadrangle, 1:24,000 scale, edition of 1942. Numerous changes have occurred in the area since the edition of this quadrangle. These consist of new channels and small boat harbors, additional piers and changes in the MHWL.
47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical 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.

Submitted:

[Signature]

For: E. L. Rolle
Cartographer (Photo)

Approved and forwarded:

[Signature]

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

ALECK POND
ASSATEAGUE ISLAND
ATLANTIC OCEAN
BLAKE ISLAND
COLLIER ISLANDS
DOG AND BITCH ISLANDS
DRUM ISLAND
DRUM POINT
FENWICK ISLAND
HORN ISLAND
HORSE ISLAND
ISLE OF WIGHT BAY

JENKINS CREEK
KEYSER POINT
OCEAN CITY
OCEAN CITY INLET
OCTOPUS POND
ROSBINBARREL SLough
SINEFUXENT BAY
THE DITCH
THE THOROFARE
TURVILLE CREEK
UPPER SINEFUXENT NECK
WIRE POND
49. **NOTES FOR THE HYDROGRAPHER**

There are no notes for the hydrographer.
# Photogrammetric Office Review

### 1. Projection and Grids
- ELR

### 2. Title
- ELR

### 3. Manuscript Numbers
- ELR

### 4. Manuscript Size
- ELR

### Control Stations
- ELR

### 5. Horizontal Control Stations of Third-Order or Higher Accuracy
- ELR

### 6. Recoverable Horizontal Stations of Less Than Third-Order Accuracy
- ELR

### 7. Photo Hydro Stations
- None

### 8. Bench Marks
- ELR

### 9. Plotting of Sextant Fixes
- None

### 10. Photogrammetric Plot Report
- ELR

### 11. Detail Points
- ELR

### Alongshore Areas (Nautical Chart Data)
- ELR

### 12. Shoreline
- ELR

### 13. Low-Water Line
- ELR

- ELR

### 15. Bridges
- ELR

### 16. Aids to Navigation
- ELR

### 17. Landmarks
- ELR

### 18. Other Alongshore Physical Features
- ELR

### 19. Other Alongshore Cultural Features
- ELR

### Physical Features
- ELR

### 20. Water Features
- ELR

### 21. Natural Ground Cover
- ELR

### 22. Planetable Contours
- None

### 23. Stereoscopic Instrument Contours
- None

### 24. Contours in General
- None

### 25. Spot Elevations
- None

### 26. Other Physical Features
- ELR

### Cultural Features
- ELR

### 27. Roads
- ELR

### 28. Buildings
- ELR

### 29. Railroads
- ELR

### 30. Other Cultural Features
- ELR

### Boundaries
- ELR

### 31. Boundary Lines
- None

### 32. Public Land Lines
- None

### Miscellaneous
- ELR

### 33. Geographic Names
- ELR

### 34. Juncions
- ELR

### 35. Legibility of the Manuscript
- ELR

### 36. Discrepancy Overlay
- ELR

### 37. Descriptive Report
- ELR

### 38. Field Inspection Photographs
- ELR

### 39. Forms
- ELR

### 40. Reviewer
- [Signature]

### Supervisor, Review Section or Unit
- [Signature]

### 41. Remarks
- (See attached sheet)

### 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.

### Compiler
- [Signature]

### Supervisor
- [Signature]

### 43. Remarks
This map 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-8127, 1:20,000 scale made in 1911-1942. Major changes in the shoreline have taken place since this older survey. At the north end of Assateague Island the MHWL has changed as much as 250 meters, the entire island having been shifted to the westward. The comparison between the two surveys has been shown on the comparison print in blue. See below.

Shoreline survey T-12078 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 USGS OCEAN CITY, MD. quadrangle, 1:24,000 scale, edition of 1942. This is the civil edition of T-8127 and the same difference that exist between T-8127 and T-12078 also exist between T-12078 and the quadrangle.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with a copy of boat sheet H-8711, HY 10/2/62. The shoreline for the boat sheet was evidently obtained from the compilation of T-12078 which was furnished for photo-hydro support. The photo-hydro support party revised the shoreline in the area of Assateague Island directly on the manuscript subsequent to its being used to transfer the MHWL to the boat sheet. The MHWL along the outer shore of Fenwick Island was not revised by the field party. PHOTOGRAPHIC WE RE FIELD INSPECTED AND THE SHORELINE REVISED FROM THIS DATA (FENWICK ISLAND)

The difference in the MHWL between the boat sheet and Advance manuscript of T-12078 has been indicated on the comparison print.

*Comparison print destroyed - of no permanent value.*
65. **COMPARISON WITH NAUTICAL CHARTS**

Comparison was made with chart 1220, 1:80,000 scale, 12th edition, November 1, 1965. Because of the difference in scale only a visual comparison was possible. The following differences were noted: No piers are shown on the chart. The shoreline at the north end of Assateague Island has undergone a change. Two fixed aids to navigation in Isle of Wight Bay have been moved or rebuilt since being located in 1962. These have been noted on the comparison print.

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

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

Future surveys should check for new man-made canals throughout the area and locate the westerly end of the submerged cable on the south side of the bridge near latitude 36°20.0' longitude 75°05.9'. The MHWL along the barrier beach should also be checked for any changes.

Reviewed by:

[Signature]
Leo F. Beugnet
Leo F. Beugnet

Approved by:

[Signature]
J. B. Ball
Director, Atlantic Marine Center

Approved by:

[Signature]
Chief, Photogrammetric Branch

[Signature]
Chief, Photogrammetry Division

[Signature]
Chief, Marine Chart Division
OCEAN CITY INLET
PH-6103
Mercator Projection
Scale 1:20,000 at Lat. 38° 20'

SOUNDINGS IN FEET
AT MEAN LOW WATER
Investigate ruins of abandoned bridge. Measure horizontal clearance of any part of ruin which restrict the channel.

OCEAN CITY INLET AND NORTH ENTRANCE TO SINEPUXENT BAY
The channels are subject to continual changes. Buoys are not charted because they are frequently shifted in position.

PLANE COORDINATE GRID
Maryland State Grid is indicated by dotted ticks at 5,000 foot intervals.

This feature is mapped incorrectly on the chart. The dashed line from the MAWL to the shoreline should be deleted. There is no part of the bridge which restricts use of the channel.

See Plans 625 315 7 to correctly indicate MAWL.

W. H. Mynatt
# NONFLOATING AIDS OR LANDMARKS FOR CHARTS

---

**State:** Maryland

<table>
<thead>
<tr>
<th>Charting Name</th>
<th>Description</th>
<th>Signal Name</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Datum</th>
<th>Method of Location and Survey No.</th>
<th>Date of Location</th>
<th>Chart No.</th>
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<tbody>
<tr>
<td>TANK</td>
<td>(Ocean City South Municipal Water Tank) 1955 Steel ht. 115' (20')</td>
<td>10.430</td>
<td>21.910</td>
<td>NA</td>
<td>Tri</td>
<td>T-12078</td>
<td>7-31-62</td>
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<tr>
<td>TANK</td>
<td>(Ocean City North Municipal Water Tank, 1955) Steel, ht. 119' (123')</td>
<td>12.187</td>
<td>51.765</td>
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<tr>
<td>TANK</td>
<td>(Elevated Tank Steel, ht. 118') (123)</td>
<td>06.0</td>
<td>23.0</td>
<td>&quot;</td>
<td>Photo</td>
<td>T-12078</td>
<td>&quot;</td>
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</tbody>
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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 re-determined, 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.

* Tabulate seconds and meters
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

\[
\text{Leo F. Beugnet} \\
\text{Joseph Steinberg}
\]

<table>
<thead>
<tr>
<th>STATE</th>
<th>MARYLAND</th>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
<th>CHART AFFECTED</th>
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<tr>
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<td>Sinepuxent Bay, Channel Light 5</td>
<td>38 19 10.02</td>
<td>309 75 06</td>
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<td></td>
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<td>38 20 29.77</td>
<td>918 75 05</td>
<td>68.64</td>
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<td>*Isle of Wight Bay, Channel Daybeacon 3</td>
<td>38 20 16.62</td>
<td>54.62 75 05</td>
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<td>Isle of Wight Bay, Channel Light 5</td>
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<td>x</td>
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</table>

Ocean City Inlet Light
(Ocean City Inlet Light, 1962)

\[
x=1,348,368.90 \\
y=184,882.39
\]

Maryland State coordinates, Field position

T-12078 2-10-62 | x | 1220

*May have been moved or destroyed after completion of manuscript.

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by
NOTES TO THE VERIFIER

The MHWL as shown on H-8711, HY 10-2-62, is not in agreement with the MHWL of the copy of shoreline survey T-12078 which is provided for record and registry. The difference in the MHWL of the two surveys is shown on the comparison print in purple. * See below ** See below

The following photographs were examined during final review:

61-S-9051
61-S-9286 thru 9288
62-S-2286 thru 2291
62-W-3807 thru 3813

* (Also refer to page 19)

NOTE: THE HYDROGRAPHIC SURVEY REPORT (ITEM G, SHORELINE) ACCOUNTS FOR THE SHORELINE SHOWN ON THE SMOOTH SHEET (BROKEN LINE, IN PENCIL) ON ASSATEAGUE ISLAND AS "SKETCHED IN BY THE HYDROGRAPHIC SURVEY PARTY". THE FIELD INSPECTION REPORT FOR T-12078 (ITEM 7, PAGE 8) INDICATES THAT SHORELINE ON THIS SURVEY (IN THE SUBJECT AREA) WAS REVISED ON A MANUSCRIPT COPY DURING HYDRO-SUPPORT OPERATIONS. HOWEVER THE REVISED SHORELINE WAS NEVER APPLIED TO THE BOAT SHEET - VERIFIED BY L.E. BUEGNET THE FINAL REVIEWER (T-12078) BY COMPARISON DURING FINAL REVIEW, THE FIELD REVISED SHORELINE HAS BEEN APPLIED TO T-12078.

* Comparison print destroyed - of no presentable value

[Handwritten note: 1/12/67]