Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey    Shoreline
Field No. Ph-101(52) Office No. T-11158
T-11157
T-11161

LOCALITY
State    Virginia
General locality Chesapeake Bay - W. Shore
Locality New Point Comfort (Dyer Cr.) to Plankatank R. (Milford Haven)
1952-53

CHIEF OF PARTY
L.C. Lunde, Div. of Photo., Wash., D.C.
O.S. Reading, " " " " " "

LIBRARY & ARCHIVES
DATE May 12, 1958
DATA RECORD

Project No. (II): Ph-101(52) Quadrangle Name (IV):

Field Office (II): Chief of Party: L.C. Landa
Instructions dated (II) (III):
12 Nov. 1952

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III):
Graphic

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III):

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date:

Date registered (IV): 12 Dec 1957

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III):
NA 1927

Vertical Datum (III):
Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (6) refer to sounding datum
I.e., mean low water or mean lower low water

Reference Station (III):
Round, 1905

Lat.: 37° 19' 44.936 Long.: 76° 18' 31.520

Adjusted

Plane Coordinates (IV):

State:

Zone:

Y =

X =

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.
DATA RECORD

Field Inspection by (II):

none

Date:

Planetable contouring by (II):

none

Date:

Completion Surveys by (II):

none

Date:

Mean High Water Location (III) (State date and method of location):

Office interpretation on 1952 photography

Date: Jan. 1953

Projection and Grids ruled by (IV):

J. Allen

Date: Jan. 1953

Projection and Grids checked by (IV):

H. Wolfe

Date: March 1953

Control plotted by (III):

S.G. Blankenbaker

Date: March 1953

Control checked by (III):

S. Nathorn

Date: April 1953

Radial Plot or Stereoscopic

Control extension by (III):

S. J. Nathorn

Date:

Stereoscopic Instrument compilation (III):

Planimetry

Contours

Date:

Manuscript delineated by (III):

S.G. Blankenbaker

Date: April 1953

Photogrammetric Office Review by (III):

Date:

Elevations on Manuscript
checked by (II) (III):

Date:
Camera (kind or source) (III): 9 lane

PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>34760 and 34762</td>
<td>2/19/52</td>
<td>12:00 to 12:01</td>
<td>1:10,000</td>
<td>1.5 ft above M.L.W.</td>
</tr>
<tr>
<td>39657 thru 39663</td>
<td>10/19/52</td>
<td>8:51 to 8:55</td>
<td>1:10,000</td>
<td>M.H.W.</td>
</tr>
<tr>
<td>39705 thru 39712</td>
<td>10/19/52</td>
<td>9:30 to 9:40</td>
<td>1:10,000</td>
<td>1 ft above M.L.W.</td>
</tr>
</tbody>
</table>

Tide (III)

Reference Station: Hampton Roads
Subordinate Station: New Pt. Comfort, Mobijack Bay

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III):
Shoreline (More than 200 meters to opposite shore) (III):
Shoreline (Less than 200 meters to opposite shore) (III):
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II):
Number of BMs searched for (II):
Number of Recoverable Photo Stations established (III):
Number of Temporary Photo Hydro Stations established (III):

Remarks:

Form T: Page 4
Office Memorandum • UNITED STATES GOVERNMENT

TO : Chief, Graphic Compilation Section

FROM : Chief, Division of Photogrammetry

DATE : 12 November 1952

(Sheet Nos. changed as follows:
3/30/53 (RS 434) to 11161
(RS 432) to 11150
1/4/54 (RS 430) to 11157

SUBJECT : Project Ph-101, Chesapeake Bay, Virginia (RS 430 to 11157)

1. Project Ph-101 consists of sixteen 1:10,000 scale shoreline surveys (T-11046 to T-11061, inclusive) covering the western shore of Chesapeake Bay and adjacent inland waters from the Potomac River to the Paukatank River.

2. Compilation will consist of shoreline delineation and location of hydrographic signals and delineation of major road changes that have occurred since publication of the War Mapping quadrangles of this area. Only the actual shoreline shall be delineated, no details are required inshore of the mean high water line, except road changes which can be determined by visual comparison of the photographs with the original maps.

3. The purpose of this compilation is to provide shoreline and a means of control for hydrographic surveys. The office photographs and original compiled manuscript maps will be forwarded to the hydrographic parties for use in locating signals by field plotting. During office compilation, conspicuous, positively identifiable natural objects that will obviously be useful as hydrographic signals shall be identified on the photographs and located by radial plot. This shall be done without field inspection.

4. Field inspection shall be held to the minimum required for the above-stated compilation. Some of the horizontal control stations were recovered prior to photography and marked with ground targets intended to be visible on the photographs. Please inspect the photographs and the accompanying project layout and determine if any additional control must be recovered and/or established, and identified. Minimum shoreline inspection by sampling can be accomplished at the same time.

5. After the control requirements have been determined, please consult with me concerning the field work. Personnel may be detailed from the Baltimore Office, but it is preferred to accomplish the work with Washington Office personnel if practicable.

6. The following data will be provided:

a. Projections on acetate.
b. Office photographs (single and nine lens, October 1952).
c. G.P.'s and descriptions of control.
d. Project diagram (photo and control index, sheet layout, etc.)
e. Prints of War Mapping quads (for comparison).
f. Field identification data re: recovered horizontal control.

O. S. Reading, Chief, Div. Photogrammetry

cc: 22

Copy
Cartographic Branch

Chief, Photogrammetry Division

4 March 1957

Review of Shoreline maps, Project 27130 (Va. & Md., Mobjack Bay to Potomac River)

It is my understanding that the project instructions call for the compilation of any new roads or road realignments in the project area, but that compilation has actually been limited to shoreline and signals for hydrographic support and has not covered any interior details.

In view of the press of work now on hand, I do not think that we should compile additional information on these maps. If such is needed for a chart revision, Mr. Brooks' Unit can take care of it as a chart correction job.

In reviewing the project, please be concerned only with the shoreline and information for hydrography and ignore the omission of interior details.

L. W. Swanson, Chief,
Photogrammetry Division

Amends para. 2 of project instructions dated 12 Nov 1952.
PHOTOGRAMMETRIC PLOT REPORT
Project Ph-101
Shoreline Sheets T-11157, 11158 & 11161

(Refer to Radial Plot Layout Sketch, Page  )

Area Covered.- This radial plot covers the area of shore-
line sheets T-11157, 11158 and 11161 and is situated along
the west shore of Chesapeake Bay between New Point Comfort
and Gwynn Island.

The radial plot was constructed directly on the
1:10,000 scale map manuscripts. The manuscripts for
T-11158 and T-11161 were ruled with 30-second interval
polyconic projections on acetate. T-11157 was ruled on
vinylite with both polyconic projection and Virginia
South Grid. (Job request specified only polyconic
projection on acetate.)

Photographs were nine-lens positype
prints at 1:10,000 scale. All photographs were taken October 1952 with the ex-
ception of nine-lens photographs 34760 and 34762 which
were taken February 1952 and were originally used in the
radial plot of Ph-86. These last two photographs were
considered necessary to strengthen the south portion of
the plot where there was only one flight of the new pho-
tography.

Photograph preparation was accomplished with the
large prism stereoscopes utilizing the "floating circle
method" in the transfer of points.

Unadjusted acetate templets with GPO ink rays were
made for all photographs. After consideration of all
factors involved, it was felt that use of the Master
correction templet was not justified.

The templets were laid down to the control with-
out an unusual amount of effort, holding all control
within 0.2 mm, and also holding a selection of pass
points and photograph centers transferred from the
Ph-86 radial plot within 0.4 mm. The templet ray inter-
sections locating pass points were considered adequate
considering the slight distortion errors in the photo-
graphs not corrected by master templets and the acetate
material used for manuscripts and templets.
Adequacy of Control.— (Instructions for this project are contained in Office Memorandum, dated 12 November 1952, 73-mkl.) Horizontal control provided for this plot was adequate and all stations were held within 0.2 mm.

Horizontal control identification was provided from the following sources:

Horizontal control marked just prior to photography by Ensign Romero and later pricked on the office photographs from memory, rough field notes and sketches.

1944 field identification of control for War Mapping Project CS-289.

Office identification of control marked by hydrographic signals built during the summer of 1952 on Ph-86.

Field identification accomplished by personnel from the Graphic Compilation Section in December 1952.

Photography.— The photography was considered adequate with the above-average amount of control.

Submitted 6 April 1953

Stanley J. Hathorn
Cartographer (Photo)

Approved:

L. C. Lande, Chief
Graphic Compilation
Division of Photogrammetry
<table>
<thead>
<tr>
<th>STATION</th>
<th>GP-Description</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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>LONGITUDE OR x-COORDINATE</td>
<td>FORWARD (BACK)</td>
<td>FORWARD (BACK)</td>
</tr>
<tr>
<td>Mathews Lkout Tower 1942</td>
<td>463</td>
<td>37.27 36.160</td>
<td>1114.8(735.0)</td>
<td>587.3(887.3)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>76.21 23.898</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Bohannan 1932</td>
<td>32</td>
<td>37.26 37.822</td>
<td>1166.0(683.7)</td>
<td>810.4(664.5)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>76.17 32.969</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rock(VFC)1920</td>
<td>542</td>
<td>37.29 20.557</td>
<td>633.8(1215.9)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>76.18 55.548</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Joe(VFC)1920</td>
<td>543</td>
<td>37.28 31.165</td>
<td>960.8(888.9)</td>
<td>1298.3(175.9)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>76.16 52.837</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stokes(VFC)1920</td>
<td>544</td>
<td>37.27 22.625</td>
<td>697.5(1152.2)</td>
<td>1449.8(248)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>76.15 58.989</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sub. Pt. Bohannan RM 2,1932</td>
<td>/'</td>
<td>37.26</td>
<td>1067.1(782.6)</td>
<td>826.1(648.9)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>76.17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sub. Pt. Joe (VFC) 1920</td>
<td>/'</td>
<td>37.28</td>
<td>87.4(1002.3)</td>
<td>1339.3(135.0)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>76.16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sub. Pt. Soper (VFC) 1937</td>
<td>/'</td>
<td>37.26</td>
<td>1000.6(849.1)</td>
<td>753.0(721.9)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>76.21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hook(VFC)1920</td>
<td>544</td>
<td>37.27 40.184</td>
<td>1258.8(610.9)</td>
<td>370.9(1103.6)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>76.16 15.093</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Not plotted by Compilation Office

1 FT = 3048006 METER

J. P. ------------------ Jan 1952

S. J. H. ------------------ Jan 1952
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION</th>
<th>DATUM</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>
</tr>
</thead>
<tbody>
<tr>
<td>Sub. Pt. (VFC) Poplar 1937</td>
<td>NA 1927</td>
<td>37 24</td>
<td>76 20</td>
<td>1737.5 (112.2)</td>
<td>1037.4 (438.0)</td>
<td></td>
</tr>
<tr>
<td>Sub. Pt. Ware (VFC) 1937</td>
<td>&quot;</td>
<td>37 22</td>
<td>76 20</td>
<td>1473.2 (376.5)</td>
<td>1081.0 (1368.2)</td>
<td></td>
</tr>
<tr>
<td>Sub. Pt. Thomas (VFC) 1937</td>
<td>&quot;</td>
<td>37 22</td>
<td>76 20</td>
<td>774.9 (1074.7)</td>
<td>207.6 (1268.6)</td>
<td></td>
</tr>
<tr>
<td>Sub. Pt. Hughes (VFC) 1937</td>
<td>&quot;</td>
<td>37 23</td>
<td>76 20</td>
<td>580.3 (1269.4)</td>
<td>915.6 (560.2)</td>
<td></td>
</tr>
</tbody>
</table>

(Above Control data from RS-432, Ph-86)
<table>
<thead>
<tr>
<th>STATION</th>
<th>G. P. - Description</th>
<th>Latitude 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>
</tr>
</thead>
<tbody>
<tr>
<td>New Pt. Comfort L.H. 1871</td>
<td>199 NA 1927</td>
<td>37.18 03.167</td>
<td>1014.0 (463.7)</td>
<td>97.6 (1752.0)</td>
<td></td>
</tr>
<tr>
<td>* Lower 1905</td>
<td>195 &quot;</td>
<td>37.20 59.538</td>
<td>1835.4 (14.2)</td>
<td>887.7 (589.0)</td>
<td></td>
</tr>
<tr>
<td>Round 1905</td>
<td>195</td>
<td>37.19 44.936</td>
<td>1385.3 (464.4)</td>
<td>776.0 (701.2)</td>
<td></td>
</tr>
<tr>
<td>* Thomas RM 3</td>
<td>1934</td>
<td>37.19</td>
<td>591.5 (1258.2)</td>
<td>637.2 (840.1)</td>
<td></td>
</tr>
<tr>
<td>Sub. Pt. Lower, 1905</td>
<td></td>
<td>37.21</td>
<td>5.9 (1843.7)</td>
<td>893.2 (583.5)</td>
<td></td>
</tr>
<tr>
<td>Sub. Pt. Thomas RM 3</td>
<td></td>
<td>37.19</td>
<td>606.1 (1243.6)</td>
<td>551.4 (925.9)</td>
<td></td>
</tr>
</tbody>
</table>

* Not plotted by Compilation Office

1 FT. = 0.3048008 METER

COMPUTED BY: J. P.  DATE: Jan 1952  CHECKED BY: SJH  DATE: Jan 1952
The shoreline was compiled in accordance with Office Memorandum, dated 12 November 1952, 73-mkl.

An office selection of hydrographic stations was made and are listed in "Notes to Hydrographer". It is believed that ample stations have been office-selected to control hydrography with few exceptions. To provide this density it was necessary to supplement conspicuous natural objects by selection of small bushes, points of marsh ponds, etc. Those hydrographic stations not located as pass points were cut in as detail points with three, or more, cuts.

The following 1944 topographic stations, originally located on War Mapping Project CS-289, were relocated in the radial plot and new positions in red ink are shown on the Forms 524 with a note of explanation.

T-11161:
None

T-11158

ALLEN (1944) 1953
BARE (1944) 1953
CLAUD (1944) 1953

T-11157

CALL (1944) 1953
ALHE (1944) 1953
FISH (1944) 1953
GULF (1944) 1953
HURST (1944) 1953
TRAV (1944) 1953
TWIN (1944) 1953

Aids to Navigation located by the radial plot are followed on the manuscript with a 1953 date. Aids that could not be office-identified on the photographs are plotted from their 1944 positions. Forms 567 are not submitted for these aids because the new radial plot position should be first verified by the hydrographic party.
Compilation was accomplished without the benefit of field inspection and detailing was further handicapped by poor scale photographs and by the early-morning (9:00 AM) photography.

Submitted 6 April 1953

Stanley J. Hathorn
Cartographer (Photo)

Approved:

L. C. Lande, Chief
Graphic Compilation Section
Division of Photogrammetry
NOTES TO HYDROGRAPHER
Project Ph-101
Shoreline Sheets T-11157, 11158 & 11161

Hydrographic signal sites have been located and described briefly on the field photographs. It must be remembered that the office photogrammetrist has attempted to select a sufficient density to control the hydrography without the benefit of field inspection. Description of the pricked detail may be in error but when used along with the field pricking it is believed that such detail can be recovered and positively identified on the ground. There will be some gaps in the numbering of hydrographic signals because some were rejected in the subsequent process of transferring to the office photographs and locating them on the manuscripts.

Where objects such as lone trees, gables, ends of piers, etc. were selected that do not require erection of signals, it will be necessary for the field photogrammetrist to revise, or supplement, the office description of the object.

If enough office-selected hydrographic signals can not be recovered for hydrographic control, it is believed that additional signal sites pricked in the field can probably be located by simply transferring to the best-scale photograph of the area and then pricking it on the manuscript by holding adjacent hydrographic signals and/or passpoints. It will be necessary to keep the manuscript location of the photograph center on a radial of the photograph in the direction of the signal being located. If the scale of the best-scale photograph is too poor for direct pricking, it will be necessary to locate the additional signals as detail points in accordance with paragraph 463, Part II, Topographic Manual (Sp. Pub. No. 249).

For the inexperienced man to learn the proper evaluation of a satisfactory photographic scale for direct pricking of the additional signals he can check his direct pricking by locating the same object in accordance with paragraph 463 of Sp. Publ. No. 249.

In addition to a field verification of office-identified hydrographic signals, topographic stations, and aids to navigation; the hydrographer should be alert for major discrepancies in the shoreline delineation, especially around inlets and along streams with tree overhang.
After verification of the location of aids to navigation in the field it will be necessary to submit forms 567 for these aids, and to correct the 1944 forms 524 for these aids.

A listing of hydrographic signals by field photographs and sheets follow these notes.

Submitted 6 April 1953

Stanley J. Hathorn
Cartographer (Photo)

Approved:

L. C. Lande, Chief
GraphicCompilationSection
Division of Photogrammetry
REVIEW REPORT
T-11157  T-11158  T-11161
Shoreline Survey
February 28, 1957

62. Comparison with registered topographic surveys.

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-503</td>
<td>1:20,000</td>
<td>1853</td>
</tr>
<tr>
<td>T-2715</td>
<td></td>
<td>1905-1906</td>
</tr>
<tr>
<td>T-2869</td>
<td></td>
<td>1907-1908</td>
</tr>
<tr>
<td>T-8328</td>
<td></td>
<td>1942-1945</td>
</tr>
<tr>
<td>T-8329</td>
<td></td>
<td>1942-1945</td>
</tr>
</tbody>
</table>

For the area which they cover, the manuscripts supersede these surveys for nautical charting purposes.

63. Comparison with maps of other agencies.

- USGS New Port Comfort, Virginia Quadrangle 1:24,000 1944-45
- USGS Mathews, Virginia Quadrangle 1:24,000 1944-45

(T-8328 and T-8329 were the base maps for these quadrangles).

64. Comparison with contemporary hydrographic surveys.

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-8078</td>
<td>1:10,000</td>
<td>1953</td>
</tr>
<tr>
<td>H-8079</td>
<td>1:10,000</td>
<td>1953</td>
</tr>
<tr>
<td>H-8080</td>
<td>1:10,000</td>
<td>1953</td>
</tr>
</tbody>
</table>

The hydrographer states that the shoreline as compiled is correct.

Form 567 was prepared and forwarded to the Nautical Chart Branch by the hydrographer; Chart Letter 1123 (1953).

65. Comparison with Nautical Charts.

<table>
<thead>
<tr>
<th>Chart</th>
<th>Scale</th>
<th>Edition</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>494</td>
<td>1:40,000</td>
<td>7th edition</td>
<td>8/22/55</td>
</tr>
<tr>
<td>534</td>
<td>1:40,000</td>
<td>3rd edition</td>
<td>7/2/55</td>
</tr>
<tr>
<td>1222</td>
<td>1:80,000</td>
<td>15th edition</td>
<td>10/10/55</td>
</tr>
<tr>
<td>1223</td>
<td>1:80,000</td>
<td>5th edition</td>
<td>8/22/55</td>
</tr>
</tbody>
</table>

66. Map accuracy

The map manuscript conforms with the National Standards of Map Accuracy and project instructions as amended.

Reviewed by:

Hammond Rau
Chief, Review Branch
Photogrammetry Division

L C Lande
Chief, Review Branch
Photogrammetry Division

John Bull
Chief, Photogrammetry Division

Max Schulte
Chief, Nautical Chart Branch
Division of Charts

Chief, Division of Coastal Surveys
This is a copy

Virginia
Chesapeake Bay
New Point
Smith Creek
Horn Harbor
Winter Harbor
Wolf Trap Light
Milford Haven Spit
Milford Haven
Rigby Island
Whites Creek
Back Creek
Stokes Creek
Billups Creek
Hudgins Creek
Morris Creek
Stutts Creek
Callis Creek
Point Breeze
Lanes Creek
Sandy Point
Gwynn Island

Names approved 2/23/55
L. Heck

Hills Creek
Hickorynut Cove
Barn Creek
Edwards Creek
Wharf Creek
Winder Creek
Queens Creek
Miller Cove
Postle Cove
Kenney Creek

L. Heck
9/16/55
HYDROGRAPHIC SIGNALS  T-11161

Field Photo 39657
101 - NW cor of dark patch extending into light area

Field Photo 39658
102 - Shore end of pr
103 - Dark spot SE of square-shaped dark area on sand spit
104 - NE gable of bldg on end of pr
105 - NE gable of bldg at shore end of long pier
106 - N corner of pr
107 - End of pr
108 - SW cor of pd
109 - N cor of pd (dark spot)
110 - N of 3 dark spots on small island
111 - Tip of grass extending to NE
112 - W cor of Pd (dark spot)
113 - SW cor of pd
114 - SE cor of small white area near SE cor of large pd
115 - Pt of brush extending N into sand
116 - W tip of small marsh island
117 - Lone bush (?) in marsh area
118 - Dark spot (brush), westerly of two, in marsh
119 - South fuel tank of two
120 - E gab of sm bt ho on end of pr
121 - End of pr
122 - Ne cor of fence lines
123 - Ctr of dark spot N of pd
124 - MHWL at S cor of rectangular white area
124A - End of pr
125 - NE cor of pr
126 - End of pr
127 - End of pr
128 - Downstream cor of pr
129 - End of pr
130 - Chy, or cupola, near west edge of bldg
131 - E gab of boat ho
131A - End of Pr
132 - SW cor of pr
132A - End of pr
133 - NE cor of platform
134 - Lone cedar at pt
135 - NW cor of pr
136 - Bush (dark spot) on point
137 - SE cor of pd
137A - Darker spot in dark area (pond)
138 - S tip of pd
139 - Dark spot (bush) at SW cor of brush pt
140 - End of brush line near pt
141 - Lone cedar on small pt
HYDROGRAPHIC SIGNALS T-11161 (cont.)

Field Photo 39657 (cont.)
142 - W cor of pd
159 - N gab of bldg
160 - E end of structure (possibly WINTER HARBOR LIGHT STRUCTURE)

Field Photo 39709
143 - SE cor of pr
144A - SE cor of pr
144 - S gab of detached bt ho
145 - W gab of bldg on end of pr
145A - End of pr
147 - SE cor of pr
148 - End of pr
150 - SW cor of T-pier
151 - End of Pr
152 - NE cor of pr
153 - End of pr
154 - End of pr
155 - NE cor of pr
156 - N cor of bldg

Field Photo 39659
161 - SE cor of pd
200 - S tip of marsh
HYDROGRAPHIC SIGNALS  T-11157

Field Photo 39661

247 - Point of sand triangle
248 - NW cor of sand area
249 - North tip of dark point
250 - Square corner of vegetation
251 - SW corner of dark square
252 - Easterly tree in small group
253 - Point (extending to south) of vegetation
254 - East corner of pier
255 - N corner of pier
256 - SW corner of vegetation at point
257 - Extreme tip of marsh at MHWL
257A - South Gable
258 - SE corner of pier
259 - Center of brush (dark) spot
260A - Bow of sunken boat
261 - Corner of pond
262 - Small bush south of pond
263 - Junction of two white strips
264 - North corner of pier
265 - N corner of pr
266 - SE cor of pr
267 - End of pr
268 - S end of (ctr) of bldg
269 - SW cor of pr
270 - North gable
272 - SE corner of dark area
273 - SW cor of pr
274 - S gable of boat house

Field Photo 39662

NE corner of dark strip - 275
276 - Dark spot next to MHWL
277 - Dark spot

FIELD Photo 39706

280 - Lone tree
281 - End of pier
282 - South gable
283 - End of pier
284 - NW cor of "L" pier
285 - N cor of pr
286 - NE cor of pr
287 - Ctr of pr at end
288 - Dark spot
HYDROGRAPHIC SIGNALS  T-11157 (cont.)

Field Photo 39706 (cont.)

289 - End of pier
290 - S cor of T-shaped pier
291 - NE cor of T-shaped pier
292 - W cor of "L-shaped" pier

293 - SW of two trees
294 - End of pier
295 - South gable
296 - South Corner of "T-shaped" pier
297 - End of pr
298 - End of pr
299 - End of pr
300 - End of pr

Field Photo 39662

301 - End of pier
302 - SE cor of "L-shaped" pier
303 - W gable of boat house
304 - SE cor of "T-shaped" pier
305 - End of pr
306 - East cor of "T-shaped" pier
307 - End of pier
308 - Northerly $\phi$ tree of scattered tees on point
309 - NW cor of pier
310 - End of pier
311 - South gable of boat house
312 - NW corner of pier
313 - Upper east gable of house
314 - East gable of house
315 - East end of island in marsh
316 - Wily tree on point
317 - Dark spot
318 - Point of marsh
319 - Point of marsh
320 - South gable of boat house
321 - West end of brush
322 - End of pier
323 - W chy of house
324 - North gable
325 - Lone tree in field
327 - Northerly tree of row
Field Photo 39663

328 - NW cor of wharf
329 - Offshore end of groin
330 - NE gable, house
331 - Center of dark spot
332 - Inshore corner of vegetation
333 - Tree
334 - End of pier
335 - End of pier
336 - Offshore end of groin
337 - End of pier
338 - End of pier
339 - Tree
340 - West gable
341 - End of pier
342 - End of pier
343 - Lone tree
344 - South gable
345 - Lone tree
346 - Fence (?) at bank
347 - End of pier
348 - End of pier
349 - SE cor of "T-shaped" pier
350 - End of pier
351 - SW corner of "T-shaped" pier
352 - West gable of house
353 - Pier end
354 - East point of marsh in pond
355 - "y" in creek
356 - Point of land
357 - Dark spot
358 - North point of marsh
360 - Bush (?) (dark spot)
361 - D'rk spot
362 - Dark spot
363 - Dark spot
364 - Centerline of groin and bulkhead
364A - East gable
365 - Pier end
365A - Chy in ctr of roof
367 - Pier end
368 - Pier end
369 - Pier end
370 - Pier end
379 - Spot of vegetation on beach
HYDROGRAPHIC SIGNALS T-11157 (cont.)

Field Photo 39705

380 - Dark Spot
381 - SW corner of "T" pier
382 - W end of bridge fender
383 - East end of bridge fender
384 - South gable, house
385 - South gable, house
386 - Pier end
387 - Pier end
388 - North gable, house
389 - NW cor of pier
390 - Pier end
391 - Pier end
392 - Apex of vegetation rows
393 - Pier end
395 - Pier end
396 - Pier end
397 - NE corner of "T" pier
398 - Pier end
407 - Pier end
408 - Pier end
408A - Pier end
409 - Pier end
410 - SE cor of pier
411 - Point of land
411A - SW gable
412 - Dark spot (brush)

FIELD PHOTO 39712

399 - Pier end
400 - NW corner, house
401 - Tree
401A - Bush on point
402 - Pier end
403 - Pier end
404 - Stream intersection
405 - Bush
406 - Pier end
414 - Center of land point in bend of stream
Field Photo 39659

163 - N gab of bt ho
164 - Tip of pd
165 - Tip of marsh
166 - Tip of marsh
167 - Gap in marsh at MHWL
168 - Tip of Ma of small island
168A - Tip of brush or heavy grass
169 - Tip of marsh
170 - W tip of marsh
171 - NW corner of small point
171A - Inside junction of marsh bank
172 - Pt of marsh inside of junction of two ridges
172A - Pt in marsh
173 - SE cor of rectangular plot
174 - Dark spot (bush)
175 - Log at MHWL
176 - N cor of water recess in marsh
177 - End of pier
177A - S gable
178 - End of pier
179 - End of pier
179A - SW gable
180 - Lone tree
180A Pt of marsh island (small)
181 - Lone bush
183 - NE cor of pr
184 - End of pier
185A - E gable of ho
187 - S cor of pr
188 - SW cor of pr
189 - SW cor of pr
190 - E gable
191 - E gable
192 - E gable
193 - Lone tree
194 - Dark spot in marsh
196 - E % cor of pr
198 - Tip of ma
199 - Dark spot in light strip
199A - N gable
201 - S cor of dark area
202 - Lone bush
203 - Tip of ma
204 - Tip of Ma
205 - Brush in ma
206 - Small tree
Field Photo 39659 (cont.)

207 - Small tree
208 - Small tree
209 Pt in small pd
210 - Tip of ma at pt
211 - SW cor of pr
212 - Fence at MHWL
213 - End of pr
214 - East gable - nearest water
215 - Edge of marsh at MHWL - inside low bank
215A - W edge of ma drain at MHWL
216 Tip of marsh at point
216A - Tip of marsh
217 - Corner (tip) of marsh in bend of drain
218 - Ma pt (extending north) in "T" of drain
219 - Tip of dark area
220 - Inshore cor of sand strip
221 - Recess in pd
222 - Small dark spot
223 - NE cor of dark pt
224 - SE pt of grass
225 - Tree
226 - Tree
227 - N edge of dark area (pond) at W bank of canal
228 - SE cor of pd
229 - Extreme tip of pt

Field Photo 39660

230 - Lone dark (grass) spot
231 - Dark point
232 - Center of dark area
233 - Dark point
234 - Dark spot
235 - Dark spot
236 - West tip of dark spot
237 - SE cor of pd
238 N pt. of dark area 242 - Fence at bank
240 - Ma pt west of carlmouth 243 - Marsh point
241 - Tip of ma east of canal 244 - Tip of Ma

Field Photo 39661

245 - Southerly of two dark spots
246 - Pt. of grass
CARTOGRAPHIC BRANCH

March 1953

Chief, Photogrammetry Division

Review of Shoreline maps, Project 27153 (Va., Md.,
Mobjack bay to Potomac River)

It is my understanding that the project instructions
call for the compilation of any new roads or road realign-
ments in the project area, but that compilation has actually
been limited to shoreline and channels for hydrographic support
and has not covered any interior details.

In view of the press of work now on hand, I do not think
that we should compile additional information on these maps.
If such is needed for a chart revision, Mr. Brooks' Unit can
take care of it as a chart correction job.

In reviewing the project, please be concerned only with
the shoreline and information for hydrography and ignore the
omission of interior details.

L. W. Swanson, Chief,
Photogrammetry Division

March 1953
### INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

<table>
<thead>
<tr>
<th>CHART</th>
<th>DATE</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>Mt</td>
<td>2/96</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>