

11157 11158
11161 *

Diag. Cht. No. 78-4.

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-11157
T-11158
T-11161

LOCALITY

State Virginia

General locality Chesapeake Bay - W. Shore

Locality New Point Comfort (Dyer Cr.)

to Piankatank R. (Milford Haven)

19452-53

CHIEF OF PARTY

L.C. Lande, Div. of Photo., Wash., D.C.
O.S. Reading, " " " " " "

LIBRARY & ARCHIVES

DATE May 12, 1958

B-1870-1 (1)

11158

11157

DATA RECORD

T

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

Field Office (II):

Chief of Party: **L. C. Landa**

Photogrammetric Office (III): **Washington D.C.**

Officer-in-Charge: **O. S. Reading**

Instructions dated (II) (III):

12 Nov. 1952

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): **Graphic**

Manuscript Scale (III): **1:10,000**

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 (5) refer to sounding datum
i.e., mean low water or mean lower low water

Mean high water

Reference Station (III): **Round, 1905**

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

Adjusted
~~Unadjusted~~

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):

Date:

none

Planetable contouring by (II):

Date:

none

Completion Surveys by (II):

Date:

none

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

Office interpretation on
1952 photography

Projection and Grids ruled by (IV):

Date:

J. Allen

Jan.
~~May~~ 1953

Projection and Grids checked by (IV):

Date:

H. Wolfe

Jan.
~~May~~ 1953

Control plotted by (III):

Date:

S.G. Blankenbaker

March 1953

Control checked by (III):

Date:

S. Hathorn

March 1953

Radial Plot or Stereoscopic

Control extension by (III): S.J. Hathorn

Date:

April 1953

Planimetry

Stereoscopic Instrument compilation (III):

Date:

Contours

Date:

Manuscript delineated by (III):

Date:

S.G. Blankenbaker

April 1953

Photogrammetric Office Review by (III):

Date:

Elevations on Manuscript

checked by (II) (III):

Date:

Camera (kind or source) (III):

9 lens

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
34760 and 34762	2/9/52	12:00 to 12:01	1:10,000	1.5 ft above M.L.W.
39657 thru 39663	10/13/52	8:51 to 8:55	1:10,000	M.H.W.
39705 thru 39712	10/13/52	9:30 to 9:40	1:10,000	1 ft above M.L.W.

Tide (III)

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

Ratio of Ranges	Mean Range	Spring Range
	2.5	3.0
1.0	2.3	2.8

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

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):

Recovered:

Identified:

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III):

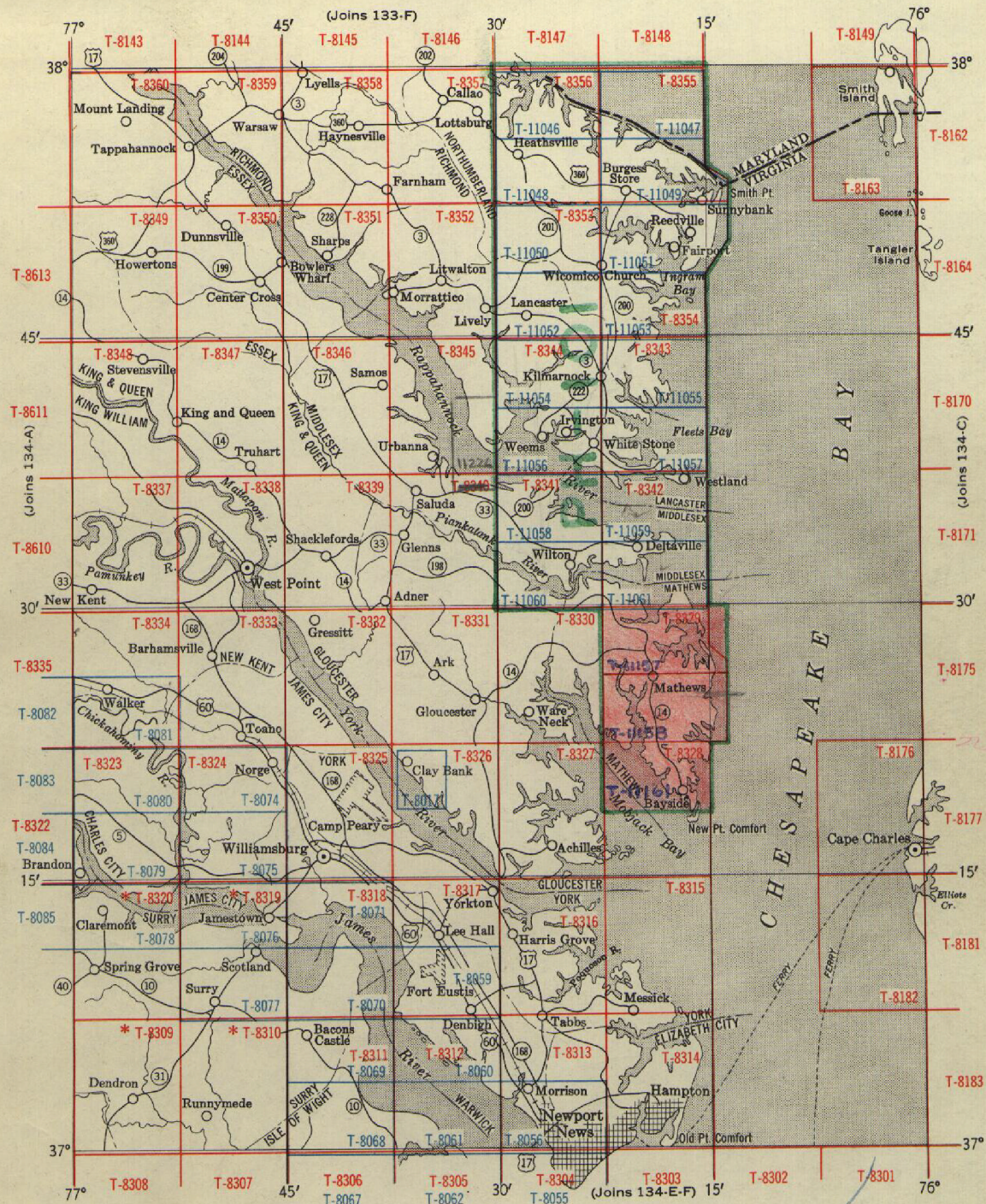
Number of Temporary Photo Hydro Stations established (III):

Remarks:

VIRGINIA
MARYLAND

UNITED STATES
DEPARTMENT OF COMMERCE
Coast and Geodetic Survey
Washington, D. C.

MAP INDEX 134-B



SHORELINE SURVEYS: Show natural and cultural features, except contours and elevations, but cover only the shoreline and the land area immediately adjacent there. Surveys T-8056, T-8059 to T-8061, T-8068 to T-8071, T-8074 to T-8081, scale 1:10,000, prepared from aerial photographs taken November 1941; T-8017, scale 1:5,000, from photographs of 1945; T-11046 to 11061, scale 1:10,000, from photographs taken October 1952. Not to be published but photographic copies of the original manuscripts can be furnished by the U. S. Coast and Geodetic Survey at 75c each.

TOPOGRAPHIC MAPS: Part of the 7½-minute series of standard topographic quadrangle maps of the United States. Maps T-8163, T-8176, T-8182 (from aerial photographs taken April 1942); T-8311 to T-8318, T-8327 to T-8330, T-8337 to T-8342, T-8346 to T-8360 (from aerial photographs taken December 1942); T-8343 to T-8345 (photographs taken February 1944); T-8309, T-8310, T-8319, T-8320, T-8323 to T-8326, T-8331 to T-8334 (photographs taken March 1948), compiled by the U. S. Coast and Geodetic Survey at scale 1:20,000. Printed and distributed by the U. S. Geological Survey at the scale of 1:24,000 or 1:31,680.

Pending final publication by the U. S. Geological Survey, and for special purposes after publication, photographic

Office Memorandum • UNITED STATES GOVERNMENT

TO : Chief, Graphic Compilation Section

DATE: 12 November 1952

FROM : Chief, Division of Photogrammetry

(Sheet Nos. changed as follows:

3/30/53 (RS 434 to 11161
(RS 432 to 11158
(RS 430 to 11157

SUBJECT: Project Ph-101, Chesapeake Bay, Virginia

1. Project Ph-101 consists of ^{18 to be detailed} 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 -

711-aal

Cartographic Branch

4 March 1957

Chief, Photogrammetry Division

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 per 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 shoreline 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 ~~single~~ nine-lens positype prints at 1:10,000 scale. All ~~single~~ ^{16x2} ~~single~~ photographs were taken October 1952 with the exception 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 photography.

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 without 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 intersections locating pass points were considered adequate considering the slight distortion errors in the photographs 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-mk1.) 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
Stanley J. Hathorn
Cartographer (Photo)

Approved:

L. C. Lande
L. C. Lande, Chief
Graphic Compilation
Division of Photogrammetry

MAP T. 11157

PROJECT NO. Ph-101

SCALE OF MAP 1:10,000

SCALE FACTOR 1.00

STATION	GP- Description- SOURCE OF INFORMATION (INDEX)	Station- DATUM	LATITUDE OR Y-COORDINATE LONGITUDE OR X-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
Mathews Lkout Tower 1942	463	NA 1927	37 27 36.160 76 21 23.898			1114.8(735.0) 587.3(887.3)	
*Bohannan 1932	32	"	37 26 37.822 76 17 32.969			1166.0(683.7) 810.4(664.5)	
Rock(VFC)1920	542	"	37 29 20.557 76 18 53.548			633.8(1215.9) 1315.5(158.5)	
*Joe(VFC)1920	543	"	37 28 31.165 76 16 52.837			960.8(888.9) 1298.3(175.9)	
1920 Stokes(VFC)	544	"	37 27 22.625 76 15 58.989			697.5(1152.2) 1449.8(24.8)	
Sub.Pt. Boh- annan RM 2,1932		"	37 26 76 17			1067.1(782.6) 826.1(648.9)	
Sub. Pt. Joe (VFC) 1920		"	37 28 76 16			⁴⁷ 844.4(1002.3) 1339.3(135.0)	
Sub. Pt. Soper (VFC) 1937		"	37 26 76 21			1000.6(849.1) 753.0(721.9)	
Hook(VFC)1920	544	"	37 27 40.184 76 16 15.093			1238.8(610.9) 370.9(1103.6)	
* Not plotted by Compilation Office							

1 FT. = 3048006 METER

COMPUTED BY J. P.

DATE Jan 1952

CHECKED BY S. J. H.

DATE Jan 1952

MAP T. T-11158...

[illegible]

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MAP T. 11161..... PROJECT NO. Ph-101..... SCALE OF MAP 1:10,000..... SCALE FACTOR 1.0
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[illegible]

1 FT. = 3048006 METER
COMPUTED BY: J. P.
DATE: Jan 1952
CHECKED BY: SJH
DATE: Jan 1952
M-2388-12

COMPILATION REPORT
Project Ph-101
Shoreline Sheets T-11157, 11158 & 11161

The shoreline was compiled in accordance with Office Memorandum, dated 12 November 1952, 73-mk1.

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

ALIEN (1944) 1953
BARE (1944) 1953
CLAUD (1944) 1953

T-11157

CALL (1944) 1953
ALBE (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
Stanley J. Hathorn
Cartographer (Photo)

Approved:

L C Lande
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
Stanley J. Hathorn
Cartographer (Photo)

Approved:

L. C. Lande
L. C. Lande, Chief
Graphic Compilation Section
Division of Photogrammetry

REVIEW REPORT
T-11157 T-11158 T-11161
Shoreline Survey
February 28, 1957

62. Comparison with registered topographic surveys.

T-503	1:20,000	1853
T-2715	"	1905-1906
T-2869	"	1907-1908
T-8328	"	1942-1945
T-8329	"	1942-1945

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.

H-8078	1:10,000	1953
H-8079	1:10,000	1953
H-8080	1:10,000	1953

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.

Chart 494	1:40,000	7th edition 8/22/55
Chart 534	1:40,000	3rd edition 7/2/55
Chart 1222	1:80,000	15th edition 10/10/55
Chart 1223	1:80,000	5th edition 8/22/55

66. Map accuracy

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

Reviewed by:

Hammond Rau
Hammond Rau
L C Lande
Chief, Review Branch
Photogrammetry Division

Bill
Chief, Photogrammetry Division
Max Stettin
Chief, Nautical Chart Branch
Division of Charts
W. H. Howell
Chief, Division of Coastal Surveys

GEOGRAPHIC NAMES

T-11157, T-11158, and T-11161

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 ✓
Stoakes 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~~ 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 - Soth 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
- ~~294~~
- 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

- ~~2~~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 ~~o~~ 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 - Willy 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

HYDROGRAPHIC SIGNALS T-11157 (cont.)

Field Photo 39663

- NE barge
 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 - Dark spot
 362 - Dark spot
 363 - Dark spot
 364 - ~~Box~~ 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

HYDROGRAPHIC SIGNALS T-11158

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 g 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

HYDROGRAPHIC SIGNALS T-11158 (cont.)

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
- 240 - Ma pt west of canal mouth
- 241 - Tip of ma east of canal
- 242 - Fence at bank
- 243 - Marsh point
- 244 - Tip of Ma

Field Photo 39661

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

31-1

Cartographic Branch

11 March 1957

Chief, Photogrammetry Division

Review of Shoreline Maps, Project 27133 (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

WLS:ms

31-1-17

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11 March

