

11058

Diag. Cht. No. 78-4.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photogrammetric (Shoreline)

Field No. Ph-101(52) Office No. T-11058

LOCALITY

State Virginia

General locality Rappahannock River

Locality Woods Creek to Whiting Creek

194 52-53

CHIEF OF PARTY

L.C. Lande, Div. of Photo. Wash., D.C.

LIBRARY & ARCHIVES

DATE June 13, 1958

B-1870-1 (1)

11058

DATA RECORD

T- 11058

Project No. (II): Ph-101(52) Quadrangle Name (IV): Woods Creek to Whiting Creek
Rappahannock River, Virginia

Field Office (II):

Chief of Party:

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

Officer-in-Charge:

Instructions dated (II) (III):

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): 1.00

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

Reference Station (III): Grey 3, 1942

Lat.: 37° 36' 41.975 meters Long.: 76° 25' 53.525 meters

Adjusted
~~Horizontal~~

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.

Areas contoured by various personnel
 (Show name within area)
 (II) (III)

Inapplicable

DATA RECORD

Field Inspection by (II): none Date:

Planetable contouring by (II): Inapplicable Date:

Completion Surveys by (II): Date:

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

Projection and Grids ruled by (IV): Jack Allen Date: 2-16-53

Projection and Grids checked by (IV): H. Wolfe Date: 2-16-53

Control plotted by (III): G. Willey Date: 2-18-53

Control checked by (III): N. S. Schultz Date: 2-18-53

Radial Plot or Stereoscopic
Control extension by (III): R. J. French Date: May 1953

Planimetry Date:

Stereoscopic Instrument compilation (III):
Contours Date:

Manuscript delineated by (III): B. J. Colner Date: 5-20-53

Photogrammetric Office Review by (III): Date:

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

Camera (kind or source) (III): USC&GS, Single-lens camera "0"

Number	Date	Time	Scale	Stage of Tide
52-0- 1943 thru 1946	Oct. 13, 1952	1122	1:24,000 ratioed to 1:10,000	1.0' above MLW
52-0- 1927 thru 1930	"	1110	"	"
52-0-1881 thru 1884	"	1048	"	"

Tide (III)

Reference Station: Hampton Roads, Va.
Subordinate Station: Orchard Point, Rappahannock River
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	2.5	3.0
0.6	1.4	1.7

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:

Photogrammetric Plot Report

Project Ph-101(52)

Shoreline sheets T-11052, T-11054, T-11058, T-11060,
and T-11226

See Descriptive Report T-11060

Compilation Report
Project Ph-101
Shoreline Sheet T-11058

31. Delineation.-- Only graphic methods using ratio prints made on positype paper were employed.
32. Control.-- See Photogrammetric Plot Report for adequacy of control.
- 33.-34. Not applicable
35. Shoreline and alongshore details.--There was practically no shoreline inspection except around topographic station Mill, 1953.
36. Not applicable
37. Landmarks and aids.--The following fixed aids were cut in during compilation and should be verified prior to submitting on Form 567:
- Grey Point Ferry Light, 1952 F.R.
Grey Point Ferry Light, 1952 F.G.
Locklies Creek 3 Light, 1952
38. Control for future surveys.--Topographic stations Har, 1953 and Mill, 1953 were located by ~~radial~~ methods and Form 524 cards were prepared for them. See list of Hydrographic Signals.
4th Order (theodolite)
39. Junctions.-- Junctions were made with sheet T-11056 to the north, with sheet T-11059 to the east and with sheet T-11060 to the south.
40. Horizontal and vertical accuracy.-- See Photogrammetric Plot Report.
- 41.-45. Not applicable
46. Comparison with existing maps.-- Comparison was made with Quadrangle Wilton, Va., USC&GS. T-8341, 1:24,000, 1949 and no differences were noted.
47. Comparison with nautical charts.--Comparison was made with Chart Number 534, 1:40,000, July 1951, reprinted 2/29/53 and no differences were noted.

Submitted by:

Bernard J. Colner
Bernard J. Colner 5/22/53

Approved by:

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

Shoreline

MAP T-11058

PROJECT NO..... Ph-101

SCALE OF MAP..... 1:10,000.

SCALE FACTOR.....1.00.

[illegible]

11 FT = 3048006 METER

COMPUTED BY: S.J. Hathorn

DATE Apr. 1953

CHECKED BY: G. B. Willey

DATE Apr. 1953

M-2388-12

REVIEW REPORT T-11058
Shoreline Survey
9 April 1957

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T 659	1:10,000	1856
T 660	1:10,000	1857
T 2870	1:20,000	1905-06
T 8341	1:20,000	1942-46

The manuscripts delineate shoreline only and were prepared to establish signals for hydrography. Inshore revision of nautical charts is not possible.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

USGS Wilton, Virginia quadrangle; 1:24,000 1946
(The base for this quadrangle was T 8341)

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

8185	1:10,000	1954
8186	1:10,000	1954

Hydrographic Report 8185 called for shoreline corrections at the following positions.

Lat. 37° 36.50'	Long. 76° 27.95'	Reported correction cannot be verified by photo interpretation.
Lat. 37° 35.06'	Long. 76° 25.68'	Change verified and corrected.
Lat. 37° 36.32'	Long. 76° 27.08'	This reported change was not made on the boat sheet. The area was compared to the photography and a change was evident. Corrected.
Lat. 37° 35.02'	Long. 76° 26.32'	Reported correction cannot be verified by photo interpretation.
Lat. 37° 34.95'	Long. 76° 26.60'	Correction not indicated on boat sheet but shoreline revised in area.

Hydrographic Report 8186 called for shoreline corrections at the following positions.

Lat. 37° 36.34'	Long. 76° 28.98'	Verified and corrected
Lat. 37° 36.57'	Long. 76° 29.30'	Verified and corrected

65. COMPARISON WITH NAUTICAL CHARTS

Chart # 534	1:40,000 3rd edition 7/2/51 revised 10/31/55
Chart # 1223	1:80,000 5th edition 8/22/55 revised 8/27/56

REVIEW REPORT T-11058

66. MAP ACCURACY

For the purpose of establishing hydrography, the manuscript is evidently of sufficient accuracy as no difficulties were encountered by the hydrographer.

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

Reviewed by:

Hammond R.

Approved:

L. C. Lande
Chief, Review Section
Photogrammetry Division

Max M. Kelly
Chief, Nautical Chart Branch
Division of Charts

Alving
J. B. Zure
Chief, Photogrammetry Division

J. B. Zure
Chief, Division of Coastal Surveys

Hydrographic Signals
Project Ph-101
Sheet T-11058

52-0-1943(Office)

784 bush
785 bush
786 Easternmost point of dark area
787 bush
788 bush on pt.
789 bush on pt.
790 Lone tree
791 lone bush
792 Apex of Pt. of Marsh
793 bush on point
794 end of foot pier
795 more southerly tree
796 bush
797 the more westerly chimney
798 lone bush
799 Apex of point of marsh
800 bush
801 eastern tip of pier
802 end of pier
803 end of pier
804 east end of Gable
805 tree
806 northernmost tip of pier
807 end of pier
808 end of pier
809 bush
810 end of pier
811 lone tree
812 dard spot on shell pile
813 lone bush
814 N end of strip of sand
815 tree
816 tree
817 tree
818 northern gable of barn
819 lone tree
820 Cor. of bulkhead
821 end of pier
822 SW cor. of house on end of pier
823 end of footpath
824 lone tree
825 Tree
826 Tree
827 Tree
828 end of pier
829 end of pier
830 lone tree
831 lone tree

52-0-1928

832 tree
833 end of pier
834 end of pier
835 lone bush
836 end of pier
837 " " "
838 " " "
839 " " "
840 " " "
841 " " "
842 " " "
843 lone tree
844 tree
845 end of pier
846 " " "
847 " " "
848 center of dark spot
849 tree
850 center of dark spot
851 bush
852 bush
853 tree

52-0-1883

854 bush
855 bush
856 tree
857 tree
858 tree
859 apex of pt. of marsh
860 " " " " "
861 " " " " "
862 " " " " dark area
863 tree
864 end of foot pier
865 center of small marsh
866 lone tree

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

13-1010

37-10-37

One Mr. P. P. P. P. P.
Coast and Geodetic Survey
P. O. Box 254
Birmingham, Ala.

11 March

GEOGRAPHIC NAMES

T-11058

1. The geographic names tabulated below were verified by the Geographic Names Section and so recorded in the Hydrographic Reports covering the area. This list has been condensed from these reports to prevent duplication.

Parrott Island	Rappahannock River
Mill Creek	Meachim Creek
Locklies Creek	Whiting Creek
Grey Point	Virginia

2. The geographic names tabulated below were verified at the time of this review

Woods Creek	Duck Pond
Bush Park Creek	Hell Neck
New Mill Creek Wharf	

H. Rau

4/9/57