10759

Original

78 -

Diag. Cht. No. 78-4.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-161 *Office No.* T-10759

LOCALITY

State Virginia

General locality Potomac River

Locality Kinsale

19 55, 1960

CHIEF OF PARTY

Joseph K. Wilson, Chief of Party
W. E. Randall, Baltimore District Officer

LIBRARY & ARCHIVES

DATE

USCOMM-DC 5087

10759

FORM 181
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T - 10759

Project No. (II): Ph-161 Quadrangle Name (IV):

Field Office (II): Callao, Virginia Chief of Party: Joseph K. Wilson

Photogrammetric Office (III): Baltimore, Maryland Officer-in-Charge: William E. Randall

Instructions dated (II) (III): 9/16/57, 73/rab
Director's ltr. dated 12/6/57, 73/rab
" " " 5/5/58, 732/rrs
Ch. Photo. Div. " " 7/23/58, 73/rrj
Asst. Director's " " 5/15/59, 73/rab

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Kelsh Plotter

Manuscript Scale (III): 1:10,000 Stereoscopic Plotting Instrument Scale (III): 1:6,000 (Pantograph ratio 3/5)

Scale Factor (III): 1.000

Date received in Washington Office (IV): JUL 10 1961 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV):

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): N.A. 1927 Vertical Datum (III):

~~Mean sea level except as follows:~~ MHW
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): CAREY, 1934

Lat.: 38° 03' 32.819" (1011.9 m) Long.: 76° 37' 25.428" (619.9 m) Adjusted ~~Unadjusted~~

Plane Coordinates (IV): State: Virginia Zone: North

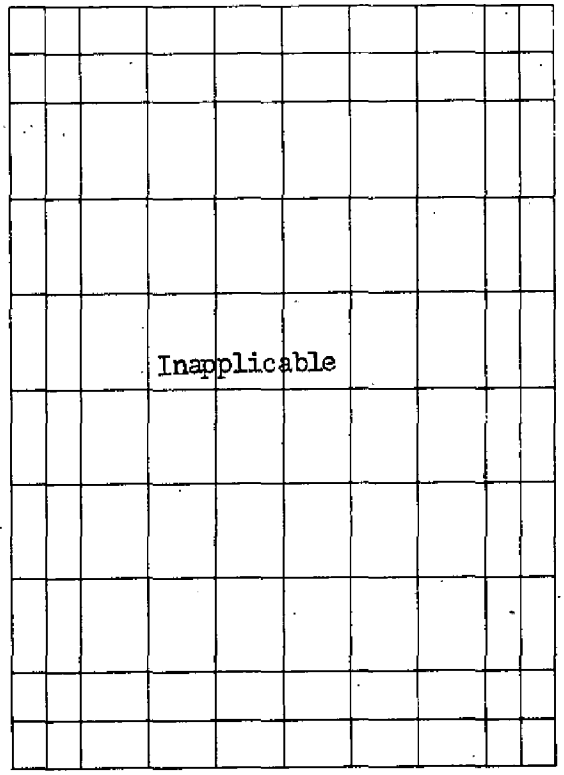
Y= X=

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.

COMM-DC-57842

DESCRIPTIVE REPORT - DATA RECORD



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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): George F. Wirth — Date: 10/6/60

Planetable contouring by (II): — Date:

Completion Surveys by (II): — Date:

Mean High Water Location (III) (State date and method of location):
11 Nov. 1955, supplemented by 1958 photography (Photogrammetric)

Projection and Grids ruled by (IV): P. J. Dempsey — Date: 11/1/58

Projection and Grids checked by (IV): R. D. Shoup — Date: 11/10/58

Control plotted by (III): D. M. Brant — Date: 1/20/59

Control checked by (III): H. P. Eichert — Date: 1/20/59

~~Radial Plot~~ or Stereoscopic Control extension by (III): G. M. Ball — Date: 9/10/58
E. L. Rolle (Kelsh bridge) 5/15/59

Stereoscopic Instrument compilation (III): Planimetry E. L. Rolle — Date: 1/9/60
~~Contours~~ — Date:

Manuscript ~~delineated~~ scribed by (III): J. C. Cregan — Date: 4/13/61

Photogrammetric Office Review by (III): E. L. Rolle — Date: 3/6/60

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

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS "S" and "W" cameras with 6" focal length.

PHOTOGRAPHS (III)

Number	Date	Time (E.S.T.)	Scale	Stage of Tide
55-W-2253 and 2254	11/11/55	12:53	1:30,000	1.3' above MLW
58-S-7500 and 7501	1/5/58	12:45	1:40,000	1.5' " "
58-S-6436	8/5/58	14:05	"	0.9' " "

Tide (III)
(From predicted tables)

		Ratio of Ranges	Mean Range	Spring Range
Reference Station:	Washington, D. C.		2.9'	3.3'
Subordinate Station:	Kinsale, Virginia	0.48	1.4'	1.6'
Subordinate Station:	Coles Point, Virginia	0.62	1.8'	2.0'

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): 14

Shoreline (More than 200 meters to opposite shore) (III): 3.5 Statute miles

Shoreline (Less than 200 meters to opposite shore) (III): 8.5 Statute miles.

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 1 Recovered: 1 Identified: 1

Number of BMs searched for (II): Recovered: Identified:

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE — COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T-10759 PROJECT NO. Ph-161 SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	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)
CAREY, 1934	VA p. 7	NA 1927	148,434.23 2,540,212.03				
Sub. Pt. CAREY, 1934	Comp.	"	148,369.08 2,540,169.15				

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE 11/24/58 CHECKED BY: Henry P. Eichert DATE 12/19/58

COMM-DC-57843

COMPILATION REPORT
Project Ph-161
T-10759

The field inspection report and the photogrammetric plot report for this survey are part of the descriptive report for survey T-10661. See report for survey T-10670 for Kelsh model templet bridge.

31. DELINEATION

The Kelsh plotter was used for delineation.

32. CONTROL

Horizontal control was inadequate. A Kelsh-model bridge was set to obtain additional control so that individual models could be compiled.

33. SUPPLEMENTAL DATA

Geographic name standard dated 6/19/59.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

There is no field inspection of drainage for this manuscript. Considering that most of the drainage is obscured by trees, and since a positive photo-interpretation could not be accomplished, the drainage from the A.M.S. sheet 5660 II S. E., Yeocomico, Va.,-Md., was accepted in part and added to this manuscript. Some of the smaller drainage branches were omitted in order to have a more consistent drainage pattern throughout the project.

35. SHORELINE AND ALONGSHORE DETAILS

All shoreline is taken from field inspection and supplemented with 1958 photography. No low water or shoal lines were shown.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

An incomplete copy of this survey showing the shoreline, along with a set of ratio photographs with passpoints, was prepared and submitted for use of the hydrographic party.

39. JUNCTIONS

To the north with T-10670.
To the south no contemporary survey.
To the east with T-10674.
To the west no contemporary survey.

40. HORIZONTAL AND VERTICAL ACCURACY

Covered in revised plot report.

41. BOUNDARIES

The boundary line between Westmoreland and Northumberland counties was delineated from A.M.S. Quadrangle of Yeocomico, Va.,-Md. (Paragraph 10 of field inspection report).

42 through 45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with A.M.S. sheet 5660 II, S. E., Yeocomico, Va.,-Md., scale 1:25,000, revised in 1946, 3rd edition, dated 1949, which is based on Bureau survey T-8146 (1942)

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 557, scale 1:40,000, 7th edition, 11/7/60, corrected to 11/12/60.

Items to be applied to nautical charts immediately: None.
Items to be carried forward: None.

Respectfully submitted

Edward L. Rolle

Edward L. Rolle
Carto. (Photo.)

Approved and forwarded

William E. Randall

William E. Randall
Commander, C&GS
Baltimore District Officer

FORM 182
(6-12-56)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T- 10759

1. Projection and grids ✓ 2. Title ✓ 3. Manuscript numbers ✓ 4. Manuscript size ✓
4a. Correction label ✓

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy ✓ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) X 7. Photo hydro stations X 8. Bench marks X
9. Plotting of sextant fixes X 10. Photogrammetric plot report ✓ 11. Detail points ✓

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ✓ 13. Low-water line X 14. Rocks, shoals, etc. ✓ 15. Bridges ✓ 16. Aids to navigation X 17. Landmarks X 18. Other alongshore physical features ✓ 19. Other alongshore cultural features ✓

PHYSICAL FEATURES

20. Water features ✓ 21. Natural ground cover ✓ 22. Planetable contours X 23. Stereoscopic instrument contours X 24. Contours in general X 25. Spot elevations X 26. Other physical features ✓

CULTURAL FEATURES

27. Roads ✓ 28. Buildings ✓ 29. Railroads X 30. Other cultural features ✓

BOUNDARIES

31. Boundary lines ✓ 32. Public land lines X

MISCELLANEOUS

33. Geographic names ✓ 34. Junctions ✓ 35. Legibility of the manuscript ✓ 36. Discrepancy overlay X 37. Descriptive Report ✓ 38. Field inspection photographs ✓ 39. Forms ✓
40. Edward L. Rolle — Reviewer; Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. 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 — Supervisor

43. Remarks:

COMM-DC 34529

T-10759

48. Geographic Names:

Bonum Creek

Grays Corner
Great House Point

Hampton Hall Branch
Hampton Hall Bridge

Kinsale
Kinsale Branch
Kinsale Bridge

Long Cove

Mill Creek

Shingle Hill
Sloop Point

Thompson Millpond

West Yeocomico River
White Point Creek

Geographic Names Section
8 March 1963

REVIEW REPORT
OF PLANIMETRIC MAPS
T-10670, T-10671, T-10674, T-10675 and T-10759

March 1963

61. General Statement

These are five (5) planimetric maps of Project PH-161 Lower Potomac River. These maps were prepared to furnish shoreline and control for hydrographic surveys and base maps for nautical charting.

62. Comparison with Registered Topographic Surveys

T-8146	1:20,000	1943
T-8357	1:20,000	1944

Cultural and shoreline changes have been continuous. These map manuscripts are to supersede the above listed surveys for common area for nautical charting.

63. Comparison with Maps of Other Agencies

Lottsburg, Va.	1:24,000	U.S.G.S.	1944
Yeocomico, Va.	1:24,000	U.S.G.S.	1943

There are small cultural and shoreline differences but in general, the agreement is good.

64. Comparison with Contemporary Hydrographic Surveys

H-8549	1:10,000	1960
H-8550	1:10,000	1960

Shoreline and control for the hydrographic surveys was furnished prior to hydrography and there is good agreement except Lynch Point (T-10674) has moved offshore approximately 100 meters.

65. Comparison with Nautical Charts

557	1:40,000	Oct. 1962
558	1:40,000	Nov. 1962

There are no differences of importance between the charts and the subject manuscripts.

66. Adequacy of Results and Future Surveys

These surveys are considered to be sub-standard due to the lack of desired horizontal control. See "Photogrammetric Plot Report page 7 of Descriptive Report for T-10670. However, it is believed, they are of sufficient accuracy for nautical charting at scales of 1:20,000 or smaller.

Submitted by:

L. C. Lande

L. C. Lande

Approved by:

Charles Lemmon
Chief, Cartographic Br.

Louis G. Taylor
Chief, Nautical Chart Div.

J. E. Waugh 5/22/63
Chief, Photogrammetry Div.

Horace S. Conerly
Chief, Operations Division

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-10759

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.

CHART	DATE	CARTOGRAPHER	REMARKS
12233	6/25/91	D. BLACK	Full ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. 45 EXAM, NO FURTHER CORR.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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