

10652

original

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10652

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric
Field No. Ph-161	Office No. T-10652
LOCALITY	
State	Maryland
General locality	Potomac River
Locality	St. Clement Shores
1955 - 1958	
CHIEF OF PARTY	
James P. Randall, Chief of Party	
W. E. Randall, Baltimore District Officer	
LIBRARY & ARCHIVES	
DATE	1958

COMM-DC 61300

DESCRIPTIVE REPORT - DATA RECORD

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T- 10652

Project No. (II): Ph-161

Quadrangle Name (IV):

Field Office (II): Leonardtown, Maryland

Chief of Party: James P. Randall

Photogrammetric Office (III): Baltimore, Maryland

Officer-in-Charge: William E. Randall

Instructions dated (II) (III): 16 September 1957 - 73/rab
Ltr from Ch. Photo. Div. 23 July 1958 - 73/rrj

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):

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): MILEYS (M.S.F.C.), 1908

Lat.: 38° 16' 19.676" (606.7 m) Long.: 76° 43' 06.343" (154.2 m)

Adjusted
~~Unadjusted~~

Plane Coordinates (IV):

State:

Zone:

Y=

X=

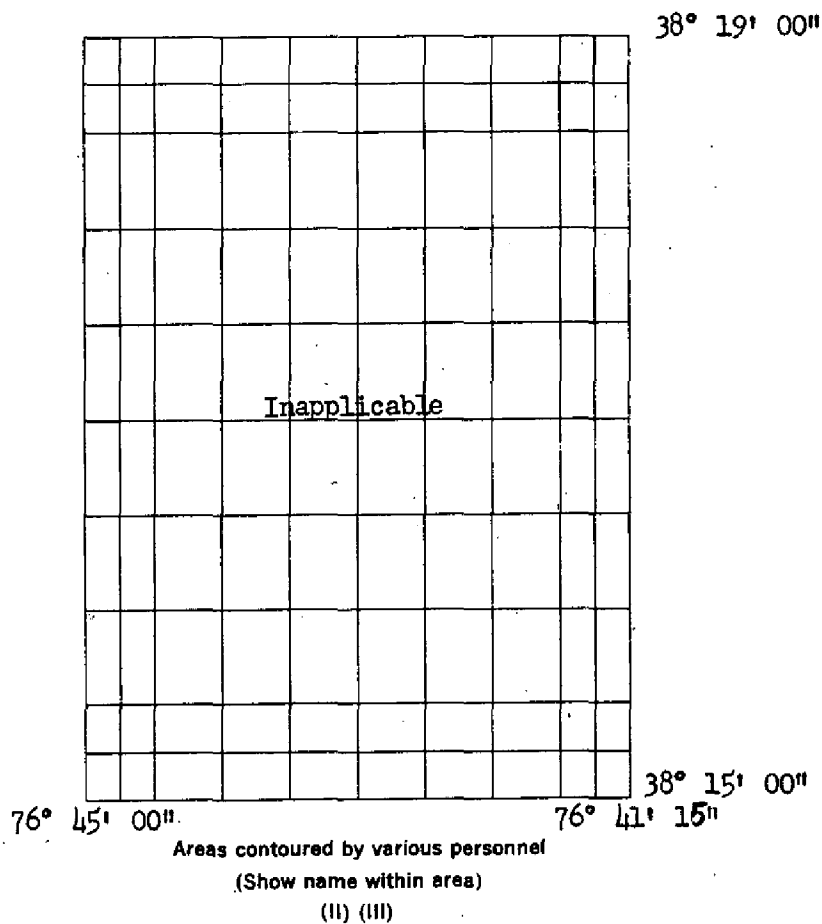
Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

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DESCRIPTIVE REPORT - DATA RECORD

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Field Inspection by (II): James P. Randall
Robert S. Tibbetts
Mathew A. Stewart

Date: June 1958 thru
September 1958

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 11/11/55 supplemented by
photography taken 1/5/58 and 6/14/58, photogrammetric.

Projection and Grids ruled by (IV): P. J. Dempsey

Date: 11/17/58

Projection and Grids checked by (IV): R. D. Shoup

Date: 11/19/58

Control plotted by (III): D. M. Brant

Date: 3/7/60

Control checked by (III): H. P. Eichert

Date: 3/7/60

~~Revised~~ Plot or Stereoscopic
Control extension by (III): W. A. Kuncis

Date: 2/24/60

Planimetry J. D. McEvoy
Stereoscopic Instrument compilation (III):

Date: 8/1960

~~Contributors~~

Date:

scribed
Manuscript ~~checked~~ by (III): J. C. Gregan

Date: 2/16/61

Photogrammetric Office Review by (III): D. M. Brant

Date: 10/24/60

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS Types "W" and "S" cameras, 6" focal length. - 5 -

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time (E.S.T.)			
55-W-2229 thru 2231	11/11/55	13:23		1:30,000	1.6' above MLW
58-S-4971	6/14/58	15:12		1:40,000	1.0' " "
58-S-7522 & 7523	1/5/58	13:08		"	1.8' " "

Tide (III)
(from predicted tables)

Reference Station: Washington, D. C.
Subordinate Station: Shipping Pt., St. Clement Bay, Md.
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	2.9'	3.3'
0.62'	1.8'	2.1'

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): 11
Shoreline (More than 200 meters to opposite shore) (II): 19
Shoreline (Less than 200 meters to opposite shore) (III): 6
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 15 Recovered: 7 Identified: 3
Number of BMs searched for (II): None Recovered: Identified:
Number of Recoverable Photo Stations established (III): 1
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORTCOAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T-10652

PROJECT NO. Ph-161

SCALE OF MAP 1:10,000

SCALE FACTOR 1,000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR μ -COORDINATE LONGITUDE OR λ -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)
TURF (MSFC) 1908	MD p. 130	NA 1927	171,460.14				
			879,321.33				
GUEST (MSFC), 1908	"	"	168,386.35				
			881,799.59				
COBRUMS (MSFC), 1908	"	"	166,810.74				
			879,715.81				
RADEC (MSFC), 1908	"	"	165,332.37				
			881,122.93				
CECIL (MSFC), 1908	"	"	163,272.34				
			883,247.79				
PROFOUND (MSFC), 1908	"	"	162,482.07				
			880,983.67				
SHIPPING (MSFC), 1908	MD p. 129	"	157,592.32				
			882,149.13				
MILEYS (MSFC) 1908	MD p. 130	"	159,924.83				
			880,840.20				
NEWTOWN NECK CATH. CH. (MSFC), 1908	"	"	153,933.24				
			885,983.82				
SOMERVILLE, 1942	MD p. 109	"	183,449.18				
			889,945.99				
SUB STA SOMERVILLE, 1942	Comp.	"	183,352.86				
			889,983.33				
SUB STA NO. 1 GUEST, 1908	"	"	168,556.65				
			881,654.08				

1 FT. = 3048006 METER

COMPUTED BY: J. Steinberg

DATE 11/25/58

CHECKED BY: H. P. Eichert

DATE 11/26/58

COM - DC - 57843

SCALE FACTOR 1.000

1 FT. - 3048006 METER	COMPUTED BY: D. M. Brant	DATE 10/10/60	CHECKED BY: H. P. Eichert	DATE 10/24/60	COMM-DC-57843
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COMPILATION REPORT

Ph-161
T-10652

The field report and photogrammetric plot report are bound in the Descriptive Report for T-10651.

31. DELINEATION

The Kelsh plotter was used for delineation using the 1955 photography. The map was edited using the 1958 photography. Numerous piers along the shore were added and a few deleted. Other changes were of a minor nature such as limits of ground cover.

Field inspection was adequate except for omission of drainage.

32. CONTROL

Horizontal control consisted chiefly of passpoints from the stereo-planigraph bridging plus two triangulation points. One of these, Sub. Pt. NEWTON NECK CATHOLIC CHURCH CROSS, 1908 was a poor point in the model, as was the station itself, and could not be positively identified. This was caused mainly by the poor quality of the diapositives in this area. The station may be holding close, but the Sub. Pt. appears to be off as it was in the Stereoplanigraph bridge. Sub. Pt. No. 2 for GUEST (MSFS), 1908 was held. The identification of Sub. Pt. No. 1 was doubtful in the model.

33. SUPPLEMENTAL DATA

Geographic name standard dated 19 June 1959.

34. CONTOURS AND DRAINAGE

Drainage was office identified from stereoscopic examination of the photographs since none was indicated by field inspection. The U.S.G.S. quadrangle was used as a reference to aid in the delineation.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate. Nonetheless, it was feasible to eliminate delineation of apparent shoreline where the fringe of marsh was too narrow to symbolize. In such instances, the shoreline was moved back and shown as the MHW line. No low water lines have been delineated.

36. OFFSHORE DETAILS

These consisted of numerous duck blinds, two of which were located by fixes and the remainder identified on the field photographs.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

One recoverable topographic point, GABLE, 1958, was located during compilation. No forms 524 have been submitted.

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

39. JUNCTIONS

Junctions have been made as follows:

To the east with T-10653.

To the south with T-10655.

To the west with T-10651.

There is no contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. through 45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

U.S.G.S. Quadrangle Leonardtown, Maryland, edition of 1939, scale 1:62,500, revised 1950.

Bureau Survey T-8442, scale 1:20,000, issued July 1949.

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 558, scale 1:40,000, published November 1959 (4th edition), (7/2/60).

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Approved and forwarded

William E. Randall

William E. Randall

CDR, C&GS

Baltimore District Officer

Respectfully submitted
August 3, 1960

Joseph D. McEvoy

Joseph D. McEvoy
Carto. (Photo.)

NOTES TO HYDROGRAPHIC PARTY
Potomac River
Ph-161
T-10651, T-10652, T-10654, T-10655

Shallow lines indicated by the field party have been delineated and extended by analogy upon comparison with Chart 558.

Stations FLY, QEO and HUT (T-10654) are hydro signals identified by LTJG G. F. Wirth on 13 August 1959. They might still be in position.

The following are objects identified by the field inspection party as recoverable topographic stations. Their descriptions are labeled on the manuscripts.

<u>T-10651</u>	<u>T-10652</u>	<u>T-10654</u>	<u>T-10655</u>
GRILL, 1958	GABLE, 1958	GABLE, 1958	W. GABLE, 1958
GABLE, 1958		CHIMNEY, 1958	
CHIMNEY, 1958		DORMER, 1958	
		GABLE, 1958	

Many changes were noted in the positions of the duck blinds between the 1955 photographs and the 1958 photographs. Several have been located by sextant fixes and agree with the 1958 photography. The old positions of some have been retained because they are a convenient pass point for the older photography.

At several places the field inspection party indicated apparent shoreline in front of a very narrow fringe of marsh. Where this area became too narrow to symbolize properly, the MHWL was office interpreted at the high ground and the marsh omitted.

Submitted 15 July 1960

PHOTOGRAMMETRIC OFFICE REVIEW

T. 10652

1. Projection and grids B 2. Title B 3. Manuscript numbers B 4. Manuscript size B

CONTROL STATIONS

4a. Classification label B

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

20. Water features B 21. Natural ground cover B 22. Planetable contours — 23. Stereoscopic Instrument contours — 24. Contours in general — 25. Spot elevations — 26. Other physical features —

CULTURAL FEATURES

27. Roads B 28. Buildings B 29. Railroads — 30. Other cultural features —

BOUNDARIES

31. Boundary lines — 32. Public land lines —

MISCELLANEOUS

33. Geographic names B 34. Junctions B 35. Legibility of the manuscript B 36. Discrepancy overlay — 37. Descriptive Report B 38. Field inspection photographs B 39. Forms B

40. Del. M. Burt Henry J. Fisher
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:

NOTES FOR THE REVIEWER

T-10652

The following triangulation stations have been plotted because of inconclusive evidence that they are lost:

Stations not recovered by Field Party. (Forms 526 submitted)

COMPTON (MSFC), 1908
HOWARDS (MSFC), 1908
PLACE (MSFC), 1908
STONES (MSFC), 1908

Stations not reported by Field Party. (Forms 526 not submitted)

BANK R. M. (MSFC), 1908
COBRUMS (MSFC), 1908
CHAPEL R. M. (MSFC), 1908
MANSION R. M. (MSFC), 1908
SHIPPING (MSFC), 1908
TURF (MSFC), 1908

48. Geographic Names:

Abell

Bayside Wharf
Breton Bay

Canoe Neck Creek
Church Swamp
Cecil Creek
Cedar Point
Combs Creek
Compton

Deep Creek
Dynard

Guest Point

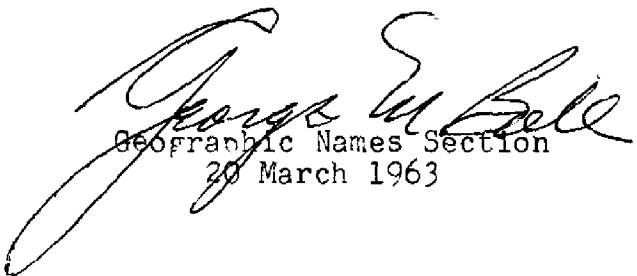
Miley Creek
Morris Point

Newtown Neck

Oakley

Shiping Point
St. Clement Bay
St. Clement Creek
St. Clement Shores

Tenneson Creek
Tomakokin Creek


Geographic Names Section
20 March 1963

REVIEW REPORT
of Planimetric Maps
T-10651 thru T-10657
March 1963

61. General Statement

These are seven (7) planimetric maps of project PH-161 Lower Potomac River, Md. and Va. 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-8115	1:20,000	1943
T-8139	1:20,000	1943
T-8140	1:20,000	1943
T-8141	1:20,000	1943
T-8442	1:20,000	1942

Minor cultural and shoreline changes have taken place and several aids to navigation have been rebuilt or relocated since the above listed surveys were made. T-10651 thru T-10657 are to supersede the above listed surveys of identical areas for nautical charting purposes.

63. Comparison with Maps of Other Agencies

Rock Point Md.	1:24,000	U.S.G.S.	1943
Stratford Va., Md.	1:24,000	U.S.G.S.	1943
Blackiston Island Va., Md.	1:24,000	U.S.G.S.	1943
Piney Pt. Va., Md.	1:24,000	U.S.G.S.	1943
Leonardtwn Md.	1:62,500	U.S.G.S.	1938-1950

In general, the agreement is good, but there are minor cultural and shoreline differences.

64. Comparison with Contemporary Hydrographic Surveys

H-8550	1:10,000	1960
H-8551	1:10,000	1960
H-8552	1:10,000	1960
H-8611	1:10,000	1961
H-8613	1:10,000	1961

Some of the above surveys have been verified, all are subject to review.

Shoreline and control of the subject surveys was furnished prior to the hydrographic and as no changes of importance have been made there is good agreement.

65. Comparison with Nautical Charts

558

1:40,000

Nov. 1962

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

66. Adequacy of Results and Future Surveys

These surveys were prepared according to project instructions and are within the required accuracy for Nautical Charting.

Submitted by:

L. C. Lande
L. C. Lande

Approved by:

Charles L. Lunn Lewis G. Taylor
Chief, Cartographic Branch Chief, Nautical Charts Division

J. E. Waugh 7/10/63 Woods G. Cornish
Chief, Photogrammetry Division Chief, Operations Division

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-10652

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.

[illegible]

