

10653

original

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10653

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric
Field No. Ph-161	Office No. T-10653
LOCALITY	
State	Maryland
General locality	Potomac River
Locality	Leonardtown
1955-1958	
CHIEF OF PARTY	
James P. Randall, Chief of Party	
W. E. Randall, Baltimore District Officer	
LIBRARY & ARCHIVES	
DATE	JUN 13 1963

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

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T- 10653

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): 9/16/57 - 73/rab
Ltr. from Ch. Photo. Div., 7/23/58 - 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:~~ M.H.W.
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): SEARS, 1934

Lat.: 38° 16' 10.076" (310.7 m)

Long.: 76° 39' 52.498" (1276.2 m)

Adjusted
Unadjusted

Plane Coordinates (IV):

State:

Zone:

Y=

X=

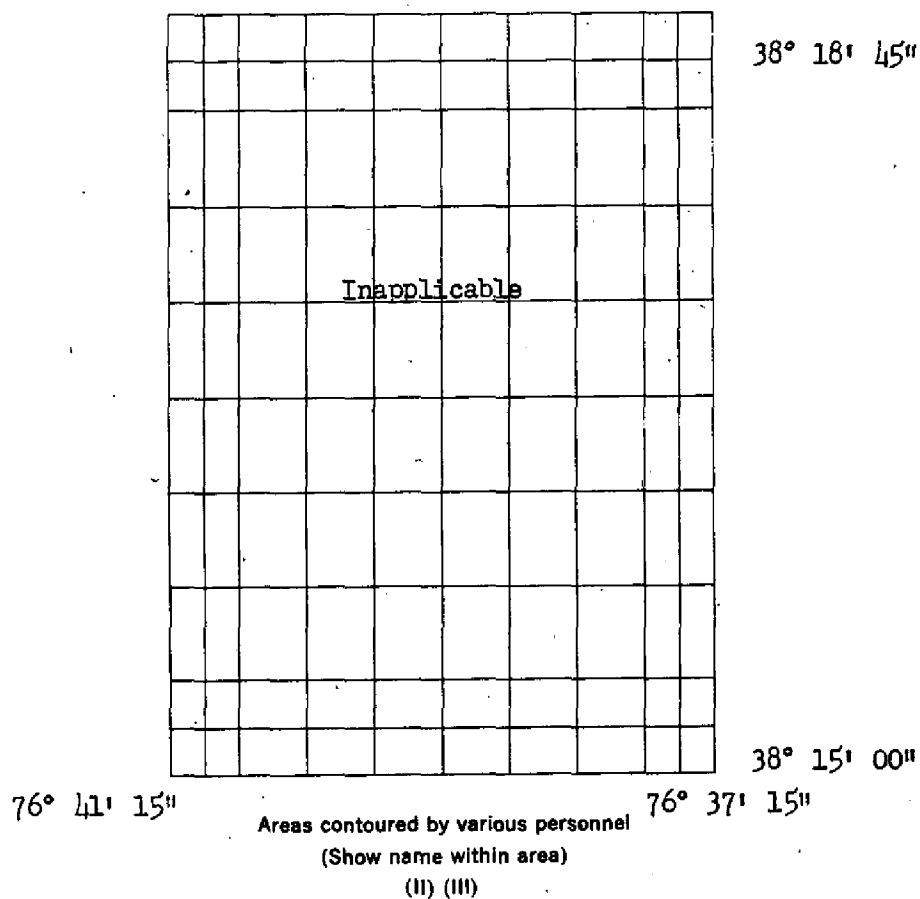
Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
or (IV) Washington Office.

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 thru Sept.
1958

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 11 November 1955, supplemented
by photography taken 5 January 1958, 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

Radial Plot or Stereoscopic
Control extension by (III):

W. A. Kuncis

Date: 2/25/60

Stereoscopic Instrument compilation (III):

Planimetry J. D. McEvoy

Date: 7/26/60

~~Controlled~~

Date:

scribed
Manuscript ~~checked~~ by (III):

J. C. Cregan

Date: 3/17/61

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

Date: 9/23/60

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

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Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time (E.S.T.)			
55-W-2236	11/11/55	12:35		1:30,000	No tidal waters
55-W-2237 thru 2239	"	"		"	1.9' above M.L.W.
58-S-7519 " 7521	1/5/58	13:07		1:40,000	1.8' " "

Tide (III) (From predicted tables)

Reference Station: Washington, D. C.
Subordinate Station: Leonardtown, Breton Bay, Maryland
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	2.9'	3.3'
0.59	1.7	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): 12
Shoreline (More than 200 meters to opposite shore) (III): 10.4 statute miles
Shoreline (Less than 200 meters to opposite shore) (III): 4.
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 20 Recovered: 10 Identified: 5
Number of BMs searched for (II): Recovered: Identified:
Number of Recoverable Photo Stations established (III): 1
Number of Temporary Photo Hydro Stations established (III):

Remarks:

U.S. DEPARTMENT OF COMMERCE
NAUTICAL SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T-10653 PROJECT NO. Ph-161 SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -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 G.A.D. OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
FOXWELL (MSFC), 1908	MD p. 129	NA 1927	164,201.73 906,029.11				
PINE (MSFC), 1908	"	"	158,699.72 906,194.59				
ABELL, 1942 P.F.	MD p. 110	"	158,661.39 908,373.85				
MOULDY (MSFC), 1908	MD p. 129	"	157,592.66 905,022.72				
LOVERS (MSFC), 1908	MD p. 128	"	155,838.73 901,604.89				
BELLE (MSFC), 1908	"	"	158,870.90 902,308.78				
SEARS, 1934	MD p. 18	"	159,005.95 896,303.05				
HOLLOW (MSFC), 1908	MD p. 128	"	158,056.00 899,055.86				
LEONARDTOWN WATER TANK, 1934	MD p. 111	"	168,358.38 904,214.84				
LEONARDTOWN CATHOLIC CHURCH SPIRE 1942	MD p. 111	"	167,917.09 904,512.54				
Sub. Pt. LEONARD- TOWN WATER TANK, 1934	Comp.	"	168,122.39 904,183.99				
Sub. Pt. SEARS, 1934	"	"	159,110.77 896,392.81				

1 FT. = 3048006 METER
COMPUTED BY: J. Steinberg

DATE 11/25/58

CHECKED BY: H. P. Eichart

DATE 11/26/58

COMM-DC-57843

SCALE FACTOR...1.000.

1 FT. = .3048006 METER	11/25/58	11/26/58	COMM-DC-57843
COMPUTED BY J. Steinberg	DATE	DATE	
		CHECKED BY H. P. Eichert	

COMPILATION REPORT
T-10653

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 photography taken in 1955. The delineation was revised with the 1958 photography and minor changes were made in roads, tree lines, and drainage.

Field inspection other than interior perennial drainage was adequate.

32. CONTROL

The identification, density and placement of horizontal control was adequate.

33. SUPPLEMENTAL DATA

Geographic name standard, dated 19 June 1959.

Leonardtown Boundary Survey Plat. Plat was used in locating the incorporated limits of Leonardtown.

34. CONTOURS AND DRAINAGE

Contours - Inapplicable.

There was no interior drainage field inspected on this manuscript. The perennial drainage was delineated from photo-interpretation of the 1958 photography.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was complete and adequate. There were no low-water and shoal lines furnished by the field party and none were delineated from office interpretation of the photographs. Changes made using 1958 photographs were minor consisting mainly of addition or deletion of piers.

36. OFFSHORE DETAILS

No unusual problems were encountered in compiling details offshore from the high-water line.

37. LANDMARKS AND AIDS

There are two non-floating aids to navigation on this manuscript which have been recommended to be charted. Form 567 was submitted 14 July 1960. A copy of Form 567 is bound with the Descriptive Report for T-10654.

38. CONTROL FOR FUTURE SURVEYS

ABELL AZ. MK. (1942) 1958 was identified by the field party and its position established photogrammetrically. Form 524 is submitted herewith.

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

39. JUNCTIONS

Junction has been made with T-10656 and T-10657 to the south and T-10652 to the west. There are no contemporary surveys to the north and east.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. BOUNDARIES

The boundary for the incorporated limits of Leonardtown, Maryland was delineated from the four field identified monuments (established in stereo-planigraph bridge) and the Leonardtown Boundary Survey Plat.

42 thru 45. Inapplicable

46. COMPARISON WITH EXISTING MAPS

Comparison was made with the following maps:

AMS Leonardtown, Maryland, scale 1:50,000, Sheet 5660 I, 1st edition 1958. Revised 1956 from USGS quadrangle.
Bureau Survey T-8442, scale 1:20,000, issued July 1949.

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 558, scale 1:40,000, 4th edition dated 11/16/59 - corrected to 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, USN
Baltimore District Officer

Respectfully submitted
23 September 1960

Donald M. Brant

Donald M. Brant
Carto. (Photo.)

PHOTOGRAMMETRIC OFFICE REVIEW

T-10653

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

CONTROL STATIONS

4a. Classification label ☒

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads ☒ 28. Buildings ☒ 29. Railroads ☒ 30. Other cultural features ☒

BOUNDARIES

31. Boundary lines ☒ 32. Public land lines ☒

MISCELLANEOUS

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

40. Paul M. Bank Henry P. Eicher
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:

48. Geographic Names:

Abells Wharf

Beauvue
Breton Bay
Britton
Buzzard Point

Cecil Creek
Cherry Cove Creek
Combs Creek

Fox Point

Glebe Run

Leonardtown
Lovers Point

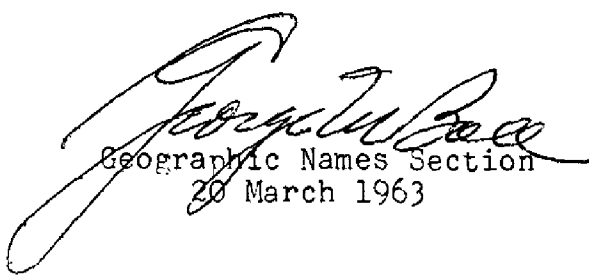
McIntosh Run
Moll Dyers Run
Mulberry Point

Nelson Run

Pawpaw Hollow
Pawpaw Point

Society Hill

Town Run


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.	1:20,000	U.S.G.S.	1943
Stratford Va., Md.	1:20,000	U.S.G.S.	1943
Blackiston Island Va., Md.	1:20,000	U.S.G.S.	1943
Piney Pt. Va., Md.	1:20,000	U.S.G.S.	1943
Leonardtown Md.	1:62,500	U.S.G.S.	1936-1950

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 H. Hume
Chief, Cartographic Branch

Louise G. Taylor
Chief, Nautical Charts Division

J. E. Waul 7/10/63
Chief, Photogrammetry Division

Howard G. Couch
Chief, Operations Division

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-10653

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

