

8309

8310

8310

8309

Diag. Cht. No. 78-4.

Form 504

## U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey TopographicField No. CS-289-W3 Office No. T-8309  
T-8310

## LOCALITY

State VirginiaGeneral locality James RiverLocality Dendron - Runnymede1952-54

## CHIEF OF PARTY

L.C.Lande, Div. of Photo. Wash., D.C.  
L.J.Reed, " " " " " "

## LIBRARY &amp; ARCHIVES

DATE November 10, 1959

B-1870-1 (1)

## DATA RECORD

T-8309 &amp; T-8310

Project No. (II): **CS 289 W3**      Quadrangle Name (IV): **T-8309 = DENDRON**  
**T-8310 = RUNNYMEDE**

Field Office (II):

Chief of Party:

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

**Radial Plot = Lester C. Lande**  
**Compilation = Louis J. Reed**

Instructions dated (II) (III):

Copy filed in Division of  
 Photogrammetry (IV)

Method of Compilation (III): **Reading Nine-Lens Plotter**Manuscript Scale (III): **1:20,000**Stereoscopic Plotting Instrument Scale (III): **1:20,000**

Scale Factor (III):

Date received in Washington Office (IV):

**DEC 14 1953**

Date reported to Nautical Chart Branch (IV):

**DEC 14 1953**

Applied to Chart No.

Date:

Date registered (IV): **9/8/58**

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):

Lat.:

Long.:

Adjusted

~~XXXXXXXXXX~~

Plane Coordinates (IV):

State:

Zone:

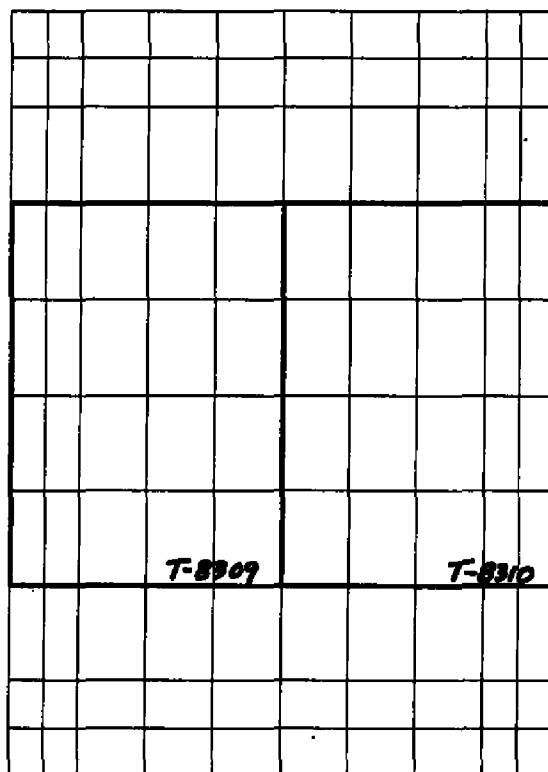
Y=

X=

**Universal Transvers<sup>e</sup> Mercator, Zone 18, 1,000 meter interval**  
**Virginia State Grid South, 10,000 ft interval**

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)

T-8309 = Compiled on the Reading  
 Plotter, model "A" by:  
 Clarence E. Misfeldt

T-8310 = Compiled on the Reading  
 Plotter, model "B" by:  
 Louis Levin

*and -*

DATA RECORD

Field Inspection by (II):

*John R. Smith*

Date:

Planetable contouring by (II):

*None*

Date:

Completion Surveys by (II):

Date:

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

*No tidal water*

No shoreline exists on these two quads.

Projection and Grids ruled by (IV): Jack Allen on the Reading  
Ruling Machine

Date: 19 Nov 52

Projection and Grids checked by (IV): Howard D. Wolfe

Date: 20 Nov 52

Control plotted by (III):

Stanley J. Hathorn

Date: 25 Nov 52

Control checked by (III):

*J*  
Jester P. Batley

Date: 30 Nov 52

Radial Plot ~~on Stereoscopic~~  
Control extension by (III):

Sam D. Blankenbaker

Date: 6 Aug 53

Stereoscopic Instrument ~~control~~ *delineation* (III):Planimetry Clarence E. Misfeldt  
and and  
Contours Louis Levin

Date: 26 Oct 53

Manuscript delineated by (III):

~~(# 6309)~~ by~~(# 6310)~~ by John B. McDonald

Date: 10 DEC 53

Photogrammetric Office Review by (III): Louis J. Reed

Date: 15 DEC 53

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

Louis J. Reed

Date: 15 DEC 53

Camera (kind or source) (III): USC&GS 9-lens camera, model "B",  $f = 8.25$  inches

Number	Date	Time	Scale	Stage of Tide
36076 thru 36079	27 Mar 52	11:54	20,000	1.2 ft above MSL
36083 thru 36086	"	12:14	"	"
36091 thru 36094	"	12:20	"	"
36100 thru 36097	"	12:32	"	"

## Tide (III)

Ratio of Ranges	Mean Range	Spring Range

Reference Station:

Subordinate Station:

Subordinate Station:

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):

60 sq mi / quad

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

none

Shoreline (Less than 200 meters to opposite shore) (III):

none

Control Leveling - Miles (II):

T-8309 - 83.7 mi.

T-8310 - 75.0 mi.

Number of Triangulation Stations searched for (II):

Recovered:

Identified: X

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III):

none

Number of Temporary Photo Hydro Stations established (III):

none

Remarks:

[illegible]

AMS -  
SHEET  
5558  
II

- 7 -

FIELD INSPECTION REPORT

T-8309

5. Vertical Control

Date started ..... 2-3-46  
Date completed ..... 3-29-46  
Linear miles 4th Order Levels ..... 77.7  
Linear miles 3rd Order Levels ..... 6

Recovery

Existing vertical control was recovered and pricked in 1944 by the War Mapping Field Party. No attempt was made to determine the adequacy of the work; it was felt the field edit party would discover any discrepancies which might exist.

Photographs

The following nine-lens photographs were used: 12979, 12980, 13016, 13015, and 13017.

Methods3rd Order

About six linear miles of 3rd Order Levels were completed by Mr. Mathew A. Stewart, Engineering Aid, using instruments and methods as prescribed by the Division of Geodesy.

Permanent Bench Marks were placed at about one mile intervals along the level line, and supplemental spot elevations between them.

4th Order

About 77.7 linear miles of 4th Order Levels were completed by Mr. John R. Smith, Engineering Aid.

The leveling was accomplished by trigonometric methods. Computations were made to the nearest 1/10 of a foot. The average error was less than one foot in all level loop closures; there were none known to exceed the allowable error of closure.

Level information appears on the photographs in blue ink. The code letters DE prefix all spot elevations. The following method was used to distinguish the closed elevations from the un-closed.


- 8 -

1. Elevations circled indicate the loop was not closed on a known elevation.
2. Elevations underscored by a solid line indicate the loop was closed on a previously determined elevation or an existing Bench Mark.

Submitted with the photographs is a layout sheet showing the approximate positions of the spot elevations. Also, on the front page of the Level Volume is the following information: Loop, Page, Closure, Notes checked by, and Photo numbers.

Respectfully submitted

/s/ John R. Smith  
Engineering Aid





FIELD INSPECTION REPORTT-83105. Vertical Control

Date started ..... 1-28-46  
Date completed ..... 4-19-46  
Linear miles 4th Order Levels ..... 62  
Linear miles 3rd Order Levels ..... 13

Recovery

Existing vertical control was recovered and pricked in 1944 by the War Mapping Field Party. No attempt was made to determine the adequacy of the work; it was felt the field edit party would pick up any discrepancies which might exist.

Photographs

The following 9-lens photographs were used: 12947, 12948(2); 12909, and 12950.

Methods3rd Order

About 13 linear miles of 3rd Order Levels were completed by Mr. Mathew A. Stewart, Engineering Aid, using instruments and methods as prescribed by the Division of Geodesy.

Permanent Bench Marks were placed at about one mile intervals along the level line, with supplemental spot elevations between

4th Order

About 62 linear miles of 4th Order Levels were completed by John R. Smith, Engineering Aid.

The leveling was accomplished by trigonometric methods. Computations were made to the nearest 1/10 of a foot, using a stadia slide rule. The average error of closure was less than one foot and no level loops were known to exceed the allowable error of closure.

Level information appears on the photographs in blue ink. The code letters RU prefix all spot elevations. The following method was used to distinguish the closed elevations from the unclosed.


- 10 -

1. Elevations circled indicate the loop was not closed on a known elevation.
2. Elevations underscored by a solid line indicate the loop was closed on a previously determined elevation or an existing BM.

Submitted with the photographs is a layout sheet, showing the approximate positions of the spot elevations. Also on the front page of the Level Volume is the following information: Loop, Page, Closure, Notes checked by, and Photo number.

Respectfully submitted,

/s/ John R. Smith  
Engineering Aid



RADIAL PLOT REPORT

21-30:

The Radial Plot Report covering the area of this quad also covers other quads and may be found in the Descriptive Report for quad T-8319.

T-8309

8310

8319

8320

MAP T-8309

PROJECT NO. CS-289-W3

SCALE OF MAP 1:20,000

SCALE FACTOR 1.0

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\phi$ -COORDINATE LONGITUDE OR $\lambda$ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		Description Book No. DATE CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
DENDRON 1944	Vol. 1 Pg. 689	N.A. 1927	37 03 02.496 76 53 45.122			861 1	76.9 1115.0		
DENDRON AZ. MK. 1944	Computed Form M-2500-11	"	37 03 76 54				161.6 1455.7		
DENDRON AZ. MK., 1944 *	Form M-2226-12	"	37 03 76 54				213.5 117.1		
SURRY FIRE LOOKOUT TOWER 1944 *	Vol. 1 693	"	37 04 47.845 76 52 53.422			861 1	1474.9 1319.5		
IVOR, 1944 (S. of 8309)	Vol. 1 689	"	36 56 10.690 76 53 02.184			861 1	329.5 54.1		
"	Zone-2 181		223,571. 45 ft. 2,472,311.29 ft.	Plane					
IVOR, 1944 Sub. Sta. 1952	Form M-2226-12	"	222,643.72 2,472,432.13	Coordinates					
WAKEFIELD MUN. WATER TANK, 1944 (S. of 8309)**	Vol. 1 693	"	36 58 18.083 76 59 22.978			861 1	557.4 568.4		
"	Zone-2 182	"	235,941.48 2,441,193.67	Plane Coordinates					
SPRING HILL 1941 (W. of 8309)	Vol. 1 435		37 02 19.972 77 01 13.240			7543 861 861	615.7 327.2		
"	Zone 2 106		260,259.71 2,431,863.67	Plane Coordinates					
SPRING HILL 1941 (Sub. Sta. -1952)			37 02 77 01				611.0 170.1		

1 FT. = 3048006 METER

COMPUTED BY:

\* Used in Radial Plot

\*\* Used in Radial Plot

DATE

CHECKED BY:

DATE

M-2388-12

MAP T.....8309...

MAP T.....8309...

MAP T.....8309...

MAP T.....8309...

...-3048006 METER  
COMPUTED BY:

COMPUTED BY: \_\_\_\_\_

COMPUTED BY: \_\_\_\_\_

COMPUTED BY: \_\_\_\_\_

...-3048006 METER  
...PUTED BY:

MAP T-8310 PROJECT NO. CS 289W-3 SCALE OF MAP 1:20,000 SCALE FACTOR 1.0

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y-COORDINATE LONGITUDE OR X-COORDINATE	Description		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				Book No. PAGE	FORWARD (BACK)		FORWARD (BACK)		
BOBS, 1944	Vol. 1 689	N.A. 1927	37 01 12.695 76 45 34.232	861			391.3 846.0		
BOBS, 1944	Zone 2 181	"	254.755.33 2,508,110.59		Plane Coordinates				
*BOBS, 1944	Form M-2226-12	"	37 01 76 45				564.4 739.8		
BACON 1932 (E. of T-8310)	Vol. 1 28	"	37 06 21.003 76 43 43.934	326 10 & 23 861 pgs. 2			647.5 1084.7		
BACON 1932 (E of 8310)	Zone 2 13		286,096.41 2,516,469.02		Plane Coordinates				
BACON, 1932	Form		37 06 76 43				614.0 1181.4		
Sub. Sta. 1952	M-2226-12								
COBB, 1944 (SE of T-8310)	Vol. 1 690		36 57 51.210 76 41 33.218	861 pgs. 2,7			1578.6 822.1		
COBB, 1944 (SE of T-8310)	Zone 2 181		234.749.61 2,528,042.94		Plane Coordinate				
COBB, 1944 (sub.sta. (SE of 8310))	Form M-2226-12		239,845.64 2,525,600.32		Plane Coordinates				
Pam Tran Sta No 182 (uses), 1917			37 01 31.76 76 52 27.87	979.1 (Not used in plot, but added to manuscript) 678.9					
			* Used in radial plot ** Used in plot (falls outside quad limits)						

1 FT. = 3048006 METER

COMPUTED BY:

DATE

CHECKED BY:

DATE

M-2388-12

Page 14

## COMPILATION REPORT

31. Delineation:

Contouring and delineation of planimetry were accomplished simultaneously on the Reading Plotters as outlined on page 2. The entire area of both quads has been mapped. Photograph coverage was complete for this area. Field inspection was completed in 1944 on 1942 photographs, which made it out-of-date for this 1953 compilation. However it was used as a guide during instrument delineation, judgement being used by the operator to draw details as changed and pictured on the instrument photographs (1952). More attention to detail will be required of field edit.

32. Control:

Horizontal control was adequate for the control of the radial plot. Refer to page 10, Descriptive Report for T-8319.

Vertical control for rectification and contouring purposes was usable but not entirely satisfactory. Level lines had been run along most of the roads in the area in 1946, with spur lines into large open areas within the road network, but the work was inferior and had to be re-computed thru-out. Further, the spur lines were not so dense but what large open areas remained, which made the instrument solution in those areas somewhat weaker than normal.

33. Supplemental Data: None.34. Contours and Drainage:

The quality of the instrument photographs was not more than satisfactory for rectification and contouring purposes. An error in lens setting existed when they were transformed, which produced fuzzy center chambers when rectified.

35. Shoreline and Alongshore Details: Not applicable.36. Offshore Details: Not applicable.37. Landmarks and Aids: None exist.38. Control for Future Surveys: None.39. Junctions:

Junctions exist as shown on page 5 of this report. Junction with T-8319 and T-8320 is in agreement since they were mapped as part of the same project. The junction to the east of T-8310, with T-8311, is in good agreement. The junction to the west of T-8309, with AMS Sheet 5558 IISE, and to the south with T-8308, are not in agreement and need some attention

during field edit. T-8307 lies to the south of T-8310 and the junction there is in good agreement.

40. Horizontal and Vertical Accuracy:

This compilation is considered to meet requirements set up by National Map Accuracy Standards for a map having a scale of 1:20,000 and using 20ft contours to show relief.

46. Comparison with Existing Maps:

SURRY QUADRANGLE, Virginia, 1:62,500, 1919 edition.

47. Comparison with Nautical Charts: Not applicable.

48. Geographic name Lists: See pages 17 and 18.

49. Notes for the Hydrographer: Not applicable.

50. Compilation Office Review: See page 19.

Submitted by:

  
Orvis N. Dalbey, Chief,  
Nine-Lens Plotter Section

Approved by:

  
Louis J. Reed, Chief  
Stereoscopic Mapping Branch  
Photogrammetric Engineer

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## GEOGRAPHIC NAMES

Survey No.

T-8309

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A	B	C	D	E	F	G	H	K	
BIRCHEN ISLAND BRIDGE									1
BLACKWATER DISTRICT									2
BLACKWATER RIVER									3
CHINQUAPIN SWAMP									4
CHOPPAHAUNK SWAMP									5
COBHAM DISTRICT									6
CYPRESS SWAMP									7
DARK SWAMP									8
DENDRON									9
ELBERON									10
ELLIS FORK									11
ELWOOD SWAMP									12
GUILFORD									13
GUILFORD DISTRICT									14
HAZEL SWAMP									15
JOHNNY HAWKINS SWAMP									16
LAZY OAK CORNER									17
MILLTAIL CREEK									18
NEW BRIDGE									19
NEWBY RUN CHURCH									20
OAK GROVE CHURCH									21
OLD COURTHOUSE ROAD									22
PONDS ROAD									23
PIGEONROOST SWAMP									24
ROCKY BRANCH									25
ROLFE HIGHWAY									26
ROUGH SCHOOL									27
SALISBURY SCHOOL									28
SEXTEN									29
SPRATLEYS MILL									30
SPRATLEYS POND									31
SPRING HILL POND									32
SPRING HILL ROAD									33
SPRING HILL CHURCH & CEMETERY									34
ST MARYS CHURCH									35
SURRY COUNTY									36
SURRY FIRE TOWER									37
SUSSEX COUNTY									38
UNION CHURCH									39
WAKEFIELD DISTRICT									40
WALLS BRIDGE									41
WAVERLY DISTRICT									42
State Road 31									43
Hollybush Sch.									44
									45
									46
									47
									48
									49
									50

Louis J. Reed, Chief

Stereoscopic Mapping Branch

Photogrammetric Engineer

Names approved

12-28-53

a.j.w.



## GEOGRAPHIC NAMES

Survey No.

T-8310

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A	B	C	D	E	F	G	H	K	
BACONS CASTLE ROAD			✓						
BEACHLAND			✓						1
BELLE MEADOW POCOSON			✓						
BERRYMAN'S CORNER			✓						2
BLACKWATER DISTRICT			✓	deleted					
BLACKWATER RIVER			✓						3
CALIFORNIA CROSSROADS			✓						
COBHAM DISTRICT			✓	deleted					4
COLLEGE RUN			✓						
COLONIAL TRAIL			✓						5
CYPRESS CREEK CHURCH			✓						
CYPRESS POCOSON			✓						6
CYPRESS SCHOOL			✓						
DERRING'S MILL			✓						7
GOLDEN HILL BRANCH			✓						
GOLDEN HILL CHURCH			✓						8
GOLDEN HILL ROAD			✓						
GREEN SWAMP			✓						9
HUNDREDS BRIDGE			✓						
ISLE OF WRIGHT COUNTY			✓						10
LOWER CHIPPOKEE CREEK			✓						
LUMBER RUN			✓						11
McLELLAND ROAD <i>McClelland Rd.</i>			✓						
MILL FARM RUN			✓						12
MILL SWAMP			✓						
MOORINGS			✓						13
MOORES SWAMP CHURCH			✓						
MOORES SWAMP ROAD			✓						14
MT MORIAH CHURCH <i>Don't &amp; Cem</i>			✓						
PONS			✓						15
POUCHES SWAMP			✓						
RUNNYMEDE			✓						16
SURRY COUNTY			✓						
TUCKERS POCOSON			✓						17
WALLS BRIDGE			✓						
WELLS SCHOOL			✓						18
WILLY COX POCOSON			✓						
ITATA			✓						19
<i>Moore's Swamp</i>			✓						20
<i>Shrub Pocoson</i>			✓						21
<i>Cypress Creek Sch.</i>									22
<i>Cypress Run</i>			✓						23
<i>Mill Farm Sch.</i>									24
<i>State Hwy. 10</i>			✓						25
<i>State Hwy 31</i>			✓						26
<i>Oak Grove Ch &amp; Cem</i>			✓						
<i>Deik Cross Road</i>			✓						27

No bldg at name deleted by Field Edit

deleted (abandoned)

Louis J. Reed, Chief  
Photographic Mapping Branch  
Photogrammetric EngineerNames approved  
7-28-53  
A.J.W.



# PHOTOGRAMMETRIC OFFICE REVIEW

T. 8309-10

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

## CONTROL STATIONS

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 ☒

Some Junctions did not check - resolved MISCELLANEOUS by Review Branch.

33. Geographic names ☒ 34. Junctions ☒ 35. Legibility of the manuscript ☒ 36. Discrepancy overlay ☒ 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒ 40. ☒

41. Remarks (see attached sheet)

Louis J. Deed, Chief  
Stereoscopic Mapping Branch  
Photogrammetric Engineer

## 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:

M-2623-12

FIELD EDIT REPORT  
- Quadrangle T-8309 (DENDRON)  
Project CS-289 W-3  
Ira R. Rubottom, Chief of Party

51. METHODS-- This quadrangle was inspected by riding over all roads to check their classification, to classify buildings, to examine questioned areas and to visually check contours and planimetry. All trails were checked by walking over them or by utilizing local information as to the trails use and importance. The vertical accuracy testing was done using standard plane table methods and the results shown on the double weight print that was used as a field edit print.

All additions, corrections and deletions were made on the field edit sheet or cross referenced to the photographs. Red ink was used for additions and corrections, green for deletions and violet for the vertical accuracy testing. No legend is shown on the field edit sheet or photographs.

Field edit information is shown on four nine lens 1:20,000 scale photographs numbered 36092, 36093, 36098 and 36099, one discrepancy print, one double weight matte print cut into four sections and numbered 1, 2, 3 and 4 and one page of notes to Reviewers.

52. ADEQUACY OF COMPILATION-- The map compilation is near adequate and will be complete with the application of the field edit data.

53. MAP ACCURACY-- The horizontal accuracy of the map was not checked.

Ten areas, well spread over the map, were checked for vertical accuracy, as well as most contours crossed in traversing to these areas. The average error for all points tested was two and two tenths feet with no error found greater than five feet.

54.-- RECOMMENDATIONS-- None offered.

55.-- EXAMINATION OF PROOF COPY-- No one was requested to examine a proof copy of this map.

Respectfully submitted,  
March 11, 1954

*Elgan T. Jenkins*  
Elgan T. Jenkins  
Cartographer

FIELD EDIT REPORT  
Quadrangle T-8310 (RUNNYMEDE)  
Project GS-289 W-3  
E. H. Kirsch, Chief of Party

51. METHODS-- This quadrangle was inspected by riding over all roads to check their classification, to classify buildings, to examine questioned areas and to visually check contours and planimetry. All trails were checked by walking over them or by utilizing local information as to the trails use and importance. The vertical accuracy testing was done using standard plane table methods and the results shown on the double weight print that was used as a field edit print.

All additions, corrections and deletions were made on the field edit sheet or cross referenced to the photographs. Red ink was used for additions and corrections, green for deletions and violet for the vertical accuracy testing. No legend is shown on the field edit sheet or photographs.

Field edit information is shown on four nine lens 1: 20, 000 scale photographs numbered 36077, 36078, 36084 and 36085, one discrepancy print, one double weight matte print cut into four sections and numbered 1, 2, 3 and 4 and one page of notes to Reviewers.

52. ADEQUACY OF COMPILATION--The map compilation is near adequate and will be complete with the application of the field edit data.

53. MAP ACCURACY-- The horizontal positions of the mapped features appear to be good. Plane table traverses in several areas checked well with all features shown.

Twenty areas, well spread over the map, were checked for vertical accuracy, as well as all contours crossed in traversing to these points. The average error for all points tested was two and four tenths feet with the worst error being ten feet and this error was confined to a very small area.

54. RECOMMENDATIONS-- None offered.

55. EXAMINATION OF PROOF COPY-- No one was requested to examine a proof copy of this map.

56. BOUNDARIES, MONUMENTS AND LINES-- The County Court Clerk of Surry and Isle Of Wight Counties were contacted for information concerning the county line between those two counties. Neither clerk could furnish information as to whether the line had ever been surveyed or not. An examination for old signs

of a survey near the marked line revealed nothing and a legal description could not be found. However, this line is marked with road signs on all state maintained roads and these points have been regarded as the county line for the past thirty to forty years. Regardless of whether the county map may show or a legal description may describe the line as being straight, the marked and observed line is not straight and a marked line takes precedence over a described one. It is recommended that the line be shown with the small bends in it.

Respectfully submitted,  
Feb. 3rd, 1954

*Elgan T. Jenkins*  
Elgan T. Jenkins  
Cartographer

Approved by:

*E. H. Kirsch*  
E. H. Kirsch  
Chief of Party

Review Report  
T-8309 and T-8310  
26 August 1955

61. General Statement:

See Summary, Page 20, of Descriptive Report covering T-8323-24. T-8309 and T-8310 are 2 of the 6 standard 7.5-minute quadrangles of Project CS-289-W-3 described in the reference summary.

62. Comparison with Registered Topographic Surveys:

None exist in the area of T-8309 and T-8310.

63. Comparison with Maps of Other Agencies:

USGS SURRY, Virginia 1:62,500 1919

There is general agreement in map details. Changes due to cultural development are not extensive.

64. Comparison with Contemporary Hydrographic Surveys:

None exist within the area of T-8309 and T-8310.


65. Comparison with Nautical Charts:

None exist within this area.

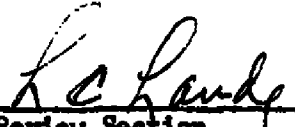
66. Adequacy of Results:

See Field Edit Reports for results of vertical accuracy tests of these quadrangles. This map meets requirements of the National Standards of Map Accuracy. The SURRY-ISLE OF WIGHT & SUSSEX-SURRY County Lines are approximate and are so noted (see 56 of Field Edit Report of T-8310).

Reviewed by:


  
John M. Neal  
Reviewer


APPROVED:

  
\_\_\_\_\_  
Chief, Review Section  
Photogrammetry Division

  
\_\_\_\_\_  
Chief, Photogrammetry Division

5 Nov '59

  
\_\_\_\_\_  
Chief, Nautical Chart Branch  
Charts Division

  
\_\_\_\_\_  
Chief, Coastal Surveys Division



## NAUTICAL CHARTS BRANCH

SURVEY NO. T-8309  
T-8340

## Record of Application to Charts

[illegible]

**M-2168-1**

**A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.**