

8347

Diag'd. on. diag. ch. No. 78-3

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic Quadrangle
Trihart
King and Queen County
Field No. Office No. T-8347

LOCALITY

State Virginia
General locality King & Queen County
Locality Carlton Corner

194 5

CHIEF OF PARTY

Comdr. K. T. Adams

LIBRARY & ARCHIVES

DATE August 8, 1947

B-1870-1 (1)

8347

STATEMENT TO ACCOMPANY DESCRIPTIVE REPORT T-8347

1. This summary of survey methods used and the method of handling T-8347 and adjoining quadrangles is provided for the convenience of those processing and using the map in the future.

2. The several mapping operations were:

- (a) Nine-lens aerial photography and laboratory processing.
- (b) Field surveys for identification of shoreline, clarification of photographic details, and establishment and identification of horizontal control.
- (c) Compilation of planimetry and contours on a 1:20,000 scale manuscript by stereoscopic instrument methods, *Reading Plotter*.
- (d) Preliminary office review of the compiled manuscript.
- (e) Field edit and accuracy tests.
- (f) Final office review of the manuscript to insure completeness and conformance with specifications. This included correction of the manuscript in accordance with the field edit survey.
- (g) Drafting, reproduction, and publication. See paragraph 3.
- (h) Registry in archives. See paragraph 4.

3. T-8347 and the adjoining quadrangles will be smooth drafted, published, and distributed by the Geological Survey in accordance with the agreement of March 25, 1947.

4. The following data for T-8347 may be needed from time to time either in the U. S. Geological Survey or the Coast and Geodetic Survey. They are filed and may be obtained as follows:

- (a) Original manuscript corrected after field edit. - The manuscript is being forwarded to the Geological Survey at this time for smooth drafting. It

DATA RECORD

Form T-1

T- 8347

Quadrangle (II): Truhart, 7 $\frac{1}{2}$ min. *USCGS*

Project No. (II): 289W-1

Field Office: Washington Office

Chief of Party: K. T. Adams

Chief Division of Photogrammetry

Compilation Office: Washington

Chief of Party: K. T. Adams

Instructions dated (II III): See field inspec-Copy filed in Descriptive
tion report-copy filed in Descriptive Report No. T- (VI)
Report for T-8339.

~~Completed survey received in office.~~

Survey completed in office, December 17, 1945

*Reviewed: 26 April 1946
JLR*

Reported to Nautical Chart Section: ✓

Reviewed: *26 Apr 46*

Applied to chart No.

Date:

Redrafting Completed: ✓

Registered: *7/47*

Published:

Compilation Scale: 1:20,000

Published Scale: 1:25,000

Scale Factor (III): 1.0

Geographic Datum (III): N.A. 1927 ✓

Datum Plane (III): MSL ✓

Reference Station (III): Dragon, 1942 ✓

Lat.: 37° 42' 29". 182 (899.5 m) Long.: 76° 47' 04". 057 (124.1 m.)
Adjusted ✓
-Unadjusted

State Plane Coordinates (VI): Virginia South Zone

 $x = 2,496,275.88$ feet $y = 505,046.77$ feet

p. 111

Military Grid Zone (VI)

*Plotted by: J.L.R. 4/46**"A" and Overlapping Zone "B"*

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
12919-22	31 Dec. 1942	12:30	1:20,000	
12933-36	31 Dec. 1942	12:54	1:20,000	0.2' above MLW
12989-92	31 Dec. 1942	2:10	1:20,000	0.2' " "
12399-400	27 Nov 1942	12:06	1:10 000	1.8' above MLW
12417-18	27 Nov 1942	12:23	1:10 000	2.0' " "

Tide from (III): At, Wakema, ref. Hampton Roads

Mean Range: 3.4 ✓

Spring Range: 3.9 ✓

Camera: (Kind or source) USC&GS Nine-lens

Field Inspection by: Comdr. Ray L. Schoppe

date: 1944

Vertical control by H. R. Cravat

Summer, 1945

Field Edit by:

H. R. Cravat

date:

1946

Date of Mean High-Water Line Location (III): 1944

Projection and Grids ruled by (III) Stephen Rose

date: Dec. 1944

" " " checked by: Stephen Rose

date: Dec. 1944

Control plotted by: A. H. Faulds.

date: June 1945

Control checked by: G. B. Willey

date: June 1945

Radial Plot by: A. H. Faulds & G. B. Willey

date: June 1945

Detailed by: Stereocartograph; W. D. Harris
O. N. Dalbey

date: Dec. 1, 1945

Reviewed in compilation office by:

date:

Elevations on Field Edit Sheet
checked by: B. Wilson

date: Dec. 14, 1945

STATISTICS (III)

Land Area (Sq. Statute Miles): 59

Shoreline (More than 200 meters to opposite shore): 4 miles

Shoreline (Less than 200 meters to opposite shore):

Number of Recoverable Topographic Stations established:

Number of Temporary Hydrographic Stations located by radial plot:

Leveling (to control contours) - miles: About 80

Roman numerals indicate whether the item is to be entered by,

(II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

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

Remarks:

OUTLINE OF OPERATIONS

PROJECT 289W-1

(INCLUDING QUADRANGLE T-8347)

This project, CS 289W-1, originally was part of war mapping Project CS 289, which involved the production of 7½-minute topographic quadrangles by photogrammetric methods, but with all contouring by planetable.

In the winter of 1943-4 it was decided by the War Department that all field work would be discontinued July 1, 1944. Since the entire project 289 could not be completed, it was subdivided and on subproject 289W, which included quadrangle T-8347, field work was limited to the identification of horizontal control, the recovery of existing bench marks, and the field inspection and clarification of photographic details. This limited field work was completed. The instructions for field work for subproject 289W, dated March 13, 1944, are filed in the Photogrammetric Section.

After July 1, subproject 289W was further divided into two subprojects, within which all remaining work for the production of standard 7½-minute quadrangles will be completed by the U. S. Coast and Geodetic Survey. See attached layout. These subprojects are:

- (a) 289W-1: (including quadrangle T-8347) In this subproject contouring will be accomplished on the stereocartograph (nine-lens plotting instrument). Field work on this subproject is being directed from the Washington Office.
- (b) 289W-2: Quadrangles on this subproject are being compiled in the Baltimore Photogrammetric Office by the usual graphic methods and the contouring is being accomplished by planetable.

The field inspection report for subproject CS 289W containing a list of recommended landmarks and a report on the identification of horizontal control for each quadrangle is filed in the Review Unit, Photogrammetric Section.

The completion of subproject 289W-1 will require field work in addition to that accomplished on project 289W. This additional field work will include:

- (a) The establishment of permanent third-order level lines.

*Photograph and Control
Index*

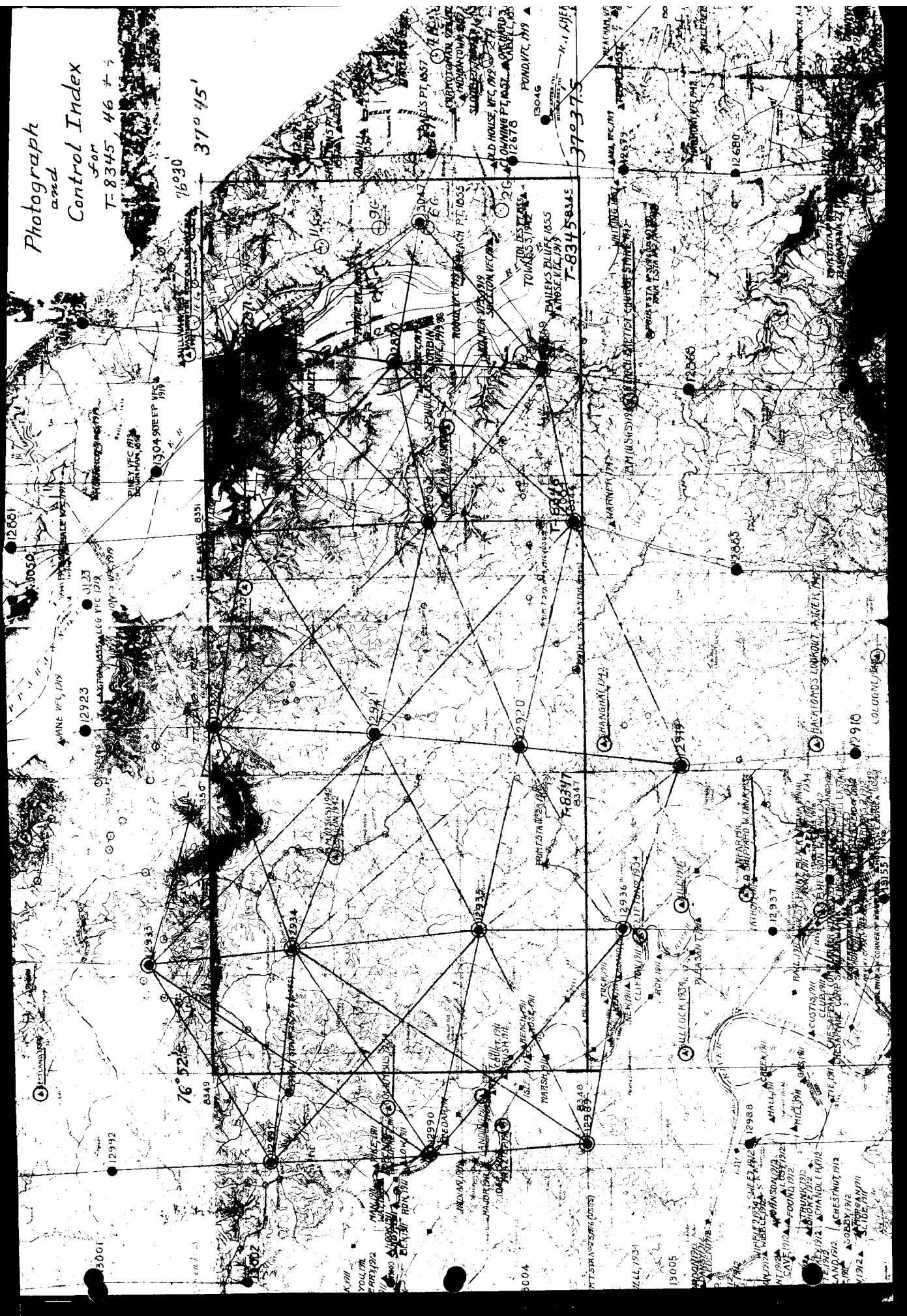
for

T-8345, 46, and 47

Photograph
and

for

T-8345



- (b) Fourth-order levels for vertical control for stereoscopic instrument contouring.
- (c) Reidentification of horizontal control in some instances.
- (d) Field edit of the compiled manuscripts and vertical accuracy tests.

Copies of the instructions for this additional field work dated November 14, 1944 and December 5, 1944 are filed in the Photogrammetric Section. This additional field work was started in the autumn of 1944, was continued through the winter, and will continue through most of the calendar year 1945. This field work is being directed by the ~~Topography Section~~, Division of ~~Coastal Survey~~, with the exception that the Chief of the Baltimore Photogrammetric Office is disbursing officer for the party. At this time Mr. Harland R. Cravat is chief of the field party.

With particular reference to quadrangle T-8347, the field work accomplished on subproject 289W included the classification of roads, buildings, bridges and woodland; identification of streams, and swamp and marsh areas; recovery and identification of horizontal control, identification of political boundaries; and partial investigation of geographic names. The additional field work accomplished under subproject 289W-1 included approximately 100 miles of trigonometric levels and approximately 38 miles of barometric levels. A brief report on the leveling is attached *included under item 26.*

B. S. Jones
(Signed) B. S. JONES

Technical Assistant to Chief
Division of Photogrammetry

COMPILATION REPORT T-834⁷

26. Control:

Stations on quadrangles T-8345, T-8346, and T-8347 which were used:

* DRAGON, 1942 (*This is the only station in this list that falls on T-8347*)
 * JAMAICA, 1942
 REMICK HALL W. T., 1942

2-G
 6-G
 9-G
 11-G
 14-G

Plotted by reviewer:
 Riverview house, Chy, 1912
 Tree on shore, 1912
 Isle, 1911
 Marsh, 1911
 House with dormers, 1912
 BM (OS 65) 1942
 P. T. S. No. 28, 1916 (U. S. G. S.)

These stations were not identified and were not used for the plot but exist and should be shown on the map.

Stations surrounding area of quads T-8345, T-8346, and T-8347 which were used:

ANTIOCK BAPTIST CHURCH SPIRE, 1942

* BESTLAND, 1934
 * BULLOCK, 1934
 * CLIFTON 2, 1934
 * COLOGNE, 1942
 * COLUMBUS, 1934
 * FRAZIER, 1911
 * HILL, 1911
 * LANDING, 1912

OLD SHIPYARDS W. T., 1934

* PITTS, 1934

S. B. HENSON W. T., 1942

SHACKLEFORD'S LOOKOUT TOWER, 1942

* SHANGHAI, 1942

WASHINGTON - NORFOLK AIRWAY BEACON 6, 1942

16-G
 2-H
 4-H

Note: (*) indicates that a ~~field inspection point~~ ^{substitute point} was used.
 G traverse extends from "Towles 3, 1942" to "Washington - Norfolk Airway Beacon 6, 1942".
 H traverse is a short unclosed line at "Orchard 3, 1942"

Horizontal Control: There are three U. S. C. & G. S. triangulation stations in the area covered by these three quadrangles and five traverse points in addition. There are fifteen other triangulation stations which control the radial plot. All of these stations were identified satisfactorily and were "held" in making the radial plot.

All control was either pricked direct or else a ~~field inspection point~~ ^{substitute station} was used. No stations were located by reference points which depend for their accuracy upon the scale of the photographs and the precision with which the distances are

measured. A graphic index showing the distribution of control and photographs has been included in this report.

Vertical Control: Spirit levels, trigonometric levels, and barometer elevations furnished one hundred or more miles of level lines for this quadrangle. Elevations were obtained about every half mile along level lines, which were run on roads at approximate intervals one mile. For large areas in which no roads existed, spot elevations were obtained.

In general, the vertical control was sufficient. But there were instances where more control in particular small areas would have been beneficial. Such control would perhaps have been impractical to obtain since the places were usually wooded areas where the cost would have been comparatively large, the identification of suitable points questionable, and the ultimate value doubtful. Considering the quadrangle as a whole, fewer elevations possibly could have been supplied, but all were used to an advantage. With more careful planning, these points would have been more exacting and the reduction of total mileage doubtful.

27. Radial Plot:

This sheet was plotted with T-8346 and T-8347⁵ in order to span uncontrolled areas and make junctions with the following previously plotted sheets:

T-8348
T-8350
T-8351
T-8352
T-8344

The following eighteen metal mounted 1:20,000 scale nine-lens photographs were used, extreme care having been exercised in the transforming process since they were to be used for instrument contouring as well as for the radial line plot:

12869 - 12871
12882 - 12884
12919 - 12922
12933 - 12936
12989 - 12991

The methods used in the laying of this radial plot were the same as for quadrangle T-8339. A detailed description will be found in the "Descriptive Report" for that sheet.

T-8347

Platter

The detailing and/contouring was done entirely by means of the Reading Stereocartograph No. 1, which procedure is described in detail in the report for quadrangle T-8339. The method followed for this sheet differed somewhat from that of the previous sheet. It was found that the tilt determination could be eliminated entirely with a saving in time and no loss in accuracy. The final settings of the rectifier were then used for determining the tilt and swing for the purpose of plotting the nadir point. prior to rectification

The procedure for completing the manuscript was also slightly changed. After the operators completed an overlap area, a third worker fitted the map detail to the radial plot positions on the map manuscript and copied all the features in pencil. A fourth employee inked the sheet and applied all the geographic names, elevations, and field inspection data to produce the completed form of the manuscript.

A portion of the sheet was detailed by the Graphic Compilation Section from un-rectified photographs to furnish advance information to the Nautical Charts Section of the Charts Division for small scale charts. This compilation, however, was disregarded entirely because shapes and positions differed in many respects.

Woodland areas were classified on a separate overlay.

The portion of the quadrangle covered by the overlap area of photographs 12920 and 12921 is perhaps of slightly lower accuracy than the rest of the sheet. The peculiar and rather large errors due to transformation made the work more difficult and increased the opportunity for errors. The area is not indicated on the discrepancy overlay because the places where the errors were likely to occur were steep, wooded, and relatively unimportant, as well as difficult and costly to investigate by means of field work. Field edit paid special attention to overlap areas, and found no errors were corrected TRB

30. Mean High-Water Line

The shore line was not indicated on the field inspection photographs. However, it consisted of the two banks of the Mattaponi River, which were sharply defined on the photographs, and since the stage of the tide was negligible, it is felt that the detailing is completely satisfactory.

44. Comparison with Existing Topographic Quadrangles

Frequent comparison during the instrument procedure was made with the New Kent quadrangle, 15 minutes, U. S. Geological Survey, 1919, 1:62,500 and a remarkable consistency was observed, with no great discrepancies.

45. Comparison with Nautical Charts

Comparison with chart 504, U. S. Coast & Geodetic Survey, 1939, 1:40,000 indicated no major changes.

G. C. Tewinkel

Chief - Topographic Mapping Section

FIELD EDIT REPORT

T-8347, Truhart Quadrangle, (3737.5/7645/7.5)

Project CS 289-W1

Harland R. Cravat, Chief of Party

The field edit survey was made by Mr. Robert A. Horn, Topographic Engineer, from February 18, 1946 to March 18, 1946, in accordance with the Director's Field Edit Instructions dated August 24, 1945. During this time three vertical accuracy tests were made.

46. Methods

The field edit man rode in a truck or walked over every road in the Quadrangle, excluding a few woods roads. Geographic names were checked with posted signs, local residents, and a historical reference book. Political boundaries were checked with local residents and the county clerk of King and Queen County.

The results of the field edit survey are shown on the field edit sheet. Any missing detail, or detail requiring correction, that could be delineated from the photographs was noted on the field edit sheet, with a number indicating on which photographs it was to be found.

4. Horizontal Control

The following Stations are considered lost:

Station	Pile, 1912
"	Rose, 1911
"	Upriver Melrose Farm, 1912
"	Pill, 1912
"	Reach, 1912
"	Mel, 1912

This information is also being submitted on Form# 526
Tree on Pt. by Mel, 1942 (deleted on Field Edit sheet) JLR 4/46
Forwarded to Reading 4/46

Since these stations are quite old it was considered desirable to determine whether they were in existence, and if not to delete them from the sheet. Descriptions were available only on Mel, 1912 and Rose, 1911.

6. Contours and Drainage

Contours and drainage were found to be generally adequate in this quadrangle. Two major changes were made: first, in area Lat. 37-39, Long 76-46; The second in Tim Branch Swamp, Lat. 37-41, Long. 76-46. These changes, along with other minor alterations are noted on the field edit sheet.

9. Wharves and Shoreline Structures

There are only two useable piers in the portion of the Mattaponi River on this quadrangle. One was shown, and the second one has been added on the field edit sheet.

10. Details Off-shore From High Water Line.

One duck blind has been located, and the remains of Pile, 1912 are off shore as indicated on the field edit sheet. There were no other discrepancies.

11. Land Marks and Aids to Navigation

The Chesapeake Company barges have dropped floating oil drums along the river; however, they are not of a permanent nature.

14. Road Classification

During the field edit many roads were changed from class "4" to class "3" to comply with general instructions dated June 30, 1945. Several roads have been abandoned, and consequently deleted. Although they are potential trails, they are not used as such, and in a few years will be overgrown.

15. Bridges

All bridges in this quadrangle were noted as such except one in the vicinity of Lat 37-40, Long. 76-51.5. This has been indicated on the sheet.

16. Buildings and Structures

The general condition of structures in this quadrangle is poor.

17. Boundary Monuments and Lines

The correct Essex County-Middlesex County Line was determined at the King and Queen Courthouse, with the assistance of the County Clerk. County and State Highway maps were used as references.

*Corrected as shown on Field Edit Sheet.
JLR
1/1/46*

The political subdivisions were made no farther than Magisterial Districts. It is to be noted that Carlton Store is a Precinct, not a District. There were no other discrepancies in political boundaries.

18. Geographic Names

The geographic names are complete and adequate in this quadrangle. One change is recommended by the field edit party on information obtained by consulting local residents, the County Clerk of King and Queen courthouse, and a historical reference book.

*original
names changed
Exel (4)
local authorities
L.H.*

1. Exel Church, Exel Swamp, and Exel Road to Exel Church,
Exel Swamp, and Exel Road.

*Shown as recommended on
manuscript. JLR 4/46*

Mrs. G.F. Cauthorne, Storekeeper, Carlton's Corner, Va.
Mr. S.S. Ellis, Storekeeper, Cumnor P.O., Va.
Mr. H.C. Hall, County Clerk, King and Queen Courthouse, Va.
King and Queen County History, by Rev. Alfred Bagby, A.B.,
D.D.

47. Adequacy of Compilation

In general the compilation seems to be adequate and complete. However in one area it is recommended that the compilation should be re-checked. In the vicinity of Lat. 37-41 and Long. 76-51 it would seem that it is slightly under scale in a north-south direction. Two identical traverses were run in this area on vertical accuracy tests. Both were out in horizontal position about 0.9mm, which is high. All factors and normal procedures were thoroughly checked, and it is felt that these lines are well within the prescribed limits of accuracy. *Found o.k. J.L.R. 4/46*
Field Edit Sheet not to true scale 1:20,166 instead of 1:20,000. B.M. K 291 found in error by 0.6mm. This B.M. was used as a starting pt. in test #2. JLR

48. Accuracy Tests

There were three accuracy tests made in this quadrangle.

Accuracy test one is located at Lat. 37-43, Long. 76-47. It began at Triangulation Station Dragon, 1942 for position and BM-E-275 for elevation. Closure was made at spot elevation 124', marked "A" in brown ink. The horizontal closure was 0.65mm and vertical closure 1.7'. The results are as follows:

- 26 - Points tested
- 25 - Points in error less than $\frac{1}{2}$ contour interval
- 1 - Point in error $\frac{1}{2}$ to a full contour interval.
- 0 - Points in error more than a contour interval.
- 96.1 % of all points tested were within $\frac{1}{2}$ contour.

Accuracy test #2 is located in Lat. 37-41, Long. 76-51. It began at BM K-291 and ended at road intersection marked "B" in brown ink. Horizontal closure was 0.9mm and vertical closure was 0.7'.

*Error probably due to B.M. K-291.
As shown on Field Edit Sheet the
B.M. is out 0.6mm. JLR.*

- 24 - Points tested
- 20 - Points in error less than $\frac{1}{2}$ contour interval.
- 2 - Points in error $\frac{1}{2}$ to a full contour interval.
- 2 - Points in error more than a contour interval.
- 83.3% of all points tested were within $\frac{1}{2}$ contour interval.

Accuracy test # 3 is located in Lat. 37-39, Long. 76-52. There were no horizontal or vertical closures due to it being a single set-up.

- 15 - Points tested

15 - Points in error less than $\frac{1}{2}$ contour interval
0 - Points in error $\frac{1}{2}$ to a full contour interval
0 - Points in error more than a contour interval
100% of all points tested were within $\frac{1}{2}$ contour interval

65 - Total points tested on quadrangle
93.1 % of total points tested were within $\frac{1}{2}$ contour interval

49. Mr. G.L.Evans, Surveyor for the Chesapeake Corporation, whose address is P.O.Box 203, West Point, Virginia, has expressed a desire to review one of the first proofs of this quadrangle.

Mr. Evans is believed to be well qualified to make the review, as the firm he is working for has extensive timber holdings in the area and is constantly planning new roads and settings for logging their pulpwood. He is well acquainted with the area and is also interested in the map in connection with his work.

Respectfully submitted,

Harland R. Cravat

Harland R. Cravat
Photogrammetric Engineer

DIVISION OF PHOTOGRAMMETRY
REVIEW OF TOPOGRAPHIC QUADRANGLE T-8347

An office inspection of T-8347 was made by the reviewer prior to field edit. Questionable features were called to the attention of the field editor by means of notes printed on a discrepancy overlay. Upon receipt of the field edit data a final complete review of the quadrangle was made.

26. CONTROL:

The horizontal control station B.M. (U.S.G.S.) 1942 was originally B.M. 1933 (U.S.G.S.). The U. S. Coast and Geodetic Survey has since then tied-in this station with a third order traverse line and has therefore been shown on the manuscript with a triangulation symbol.

27. RADIAL PLOT:

The main radial plot is discussed in detail in the descriptive report.

No horizontal accuracy test was made within the area of this quadrangle.

28. DETAILING:

In general, the compilation of details was quite complete. All of the corrections and additions noted by the field editor (on the field edit sheet and on the photographs) have been made on the manuscript by the reviewer.

The discrepancy overlay for T-8347 was discarded since all of the questionable details were answered on the field edit sheet.

A drafting overlay was prepared to facilitate the process of smooth drafting.

37. JUNCTIONS:

Junction with T-8338 to the south could not be made because the survey has not been compiled as of the date of this report. Junctions were checked with T-8348 to the west, T-8346 to the east, and T-8350 to the north. The

road classification of State Road 614 as shown on T-8347 differs from that as shown on T-8350 because of the new road instructions "Classification and Compilation of Roads" dated 30 June 1945 which were issued after the latter survey was published.

38. GEOGRAPHIC NAMES:

The geographic names shown on the manuscript are in accordance with those submitted on a print of U.S.G.S. New Kent, Va. Quadrangle, except for the spelling of Exel Road, Exel Swamp, and Exel Church. The word "Exel" has been shown on the manuscript as "Exol" in accordance with the field edit data. If "Exol" is accepted upon final edit of the geographic names for T-8347 by the Geographic Names Section, the name Exel Swamp on T-8350, to the north, should be corrected on any future editions of that quadrangle.

39. COMPARISON WITH PREVIOUS TOPOGRAPHIC SURVEYS:

U.S.C. & G.S.	T-722a	1:60,000	1862
"	T-3254	1:20,000	1912

The above surveys are superseded completely for the area in common with T-8347.

40. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No hydrographic surveys lie within the area of T-8347.

41. VERTICAL ACCURACY:

Three vertical accuracy tests were run by the field edit party within the area of the quadrangle. The points tested comply with the prescribed accuracy specified by the National Standards of Map Accuracy. The results of these tests are submitted under side heading 48 of the field edit report.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

New Kent, Va. (15') U.S.G.S. 1919, scale 1:62,500

The present survey supersedes this quadrangle in common areas.

45. COMPARISON WITH NAUTICAL CHARTS:

504 1:40,000 Published 1936, reissued 1939

Only the shoreline and immediate adjacent features appear on the chart. In general, common detail were found to be in agreement.

Survey T-8347 has not been applied to this chart at the date of this report.

This map complies with National Map Accuracy Standards.

Reviewed by:

Jack Rihn per M.G.M.
Jack Rihn
Photogrammetrist
29 April 1946

Inspected by:

Michael G. Misulia
Michael G. Misulia
Photogrammetrist

Approved by:

S. V. Griffith 7/47
S. V. Griffith
Chief, Review Section

APPROVED BY:

B. G. Jones 7/47
B. G. Jones, Technical Asst.
Div. of Photogrammetry

W. E. Riddick
Chief, Nautical Chart Branch
Division of Charts

K. T. Adams
Chief, Div. of Photogrammetry

C. K. Green
Chief, Div. of Coastal Surveys
14c

GEOGRAPHIC NAMES

Survey No.

T-8347

TRUHART 7¹/₈' quadrangle

1	Name on Survey	A	B	C	D	E	F	G	H	K	
	Virginia ✓										1
	Mattaponi River ✓										2
	King and Queen County ✓										3
	Buena Vista District ✓										4
	Stevensville District ✓										5
	King William County ✓										6
	West Point District ✓										7
	Essex County ✓										8
	Rappahannock Rappahannock District ✓										9
	Middlesex County ✓										10
	Jamaica District ✓										11
	State No. 14 ✓										12
											13
											14
	Tastine Swamp ✓										15
											(not Big Tastine Swamp)
	Little Tastine Swamp ✓										16
	Little Plymouth ✓										17
	Clifton Road ✓										18
	Plymouth Swamp ✓										19
	Heartquake Creek ✓										20
	Truhart ✓										21
	Melrose ✓										22
	Foxes ✓										23
	Grass Creek ✓										24
	Carlton Hill Swamp ✓										25
	Mitchell Hill Creek ✓										26
	Poles School ✓										27
	Name OK if school now exists; original names report was not clear on this point.										

GEOGRAPHIC NAMES

Survey No.

T-8347

2 Name on Survey

	A	B	C	D	E	F	G	H	K	
<u>Courthouse Creek</u> ✓										1
<u>Carlton Corner Road</u> ✓										2
<u>Allen Shop Corner</u> ✓										3
<u>Carlton Corner</u> ✓										4
<u>Zion Church School</u> ✓										
<u>Exol Swamp</u> ✓										5
<u>Exol Church</u> ✓										6
<u>Exol Road</u> ✓										7
<u>Union Hope Baptist Church</u> ✓										8
<u>Holmes Swamp</u> ✓										9
<u>Dragon Swamp</u> ✓										10
<u>Dragonville</u>										11
<u>Well Branch</u>										12
<u>Tin Branch Swamp</u>										13
<u>Lower King and Queen Church</u>										14
<u>Second Mt. Olive Church and School</u>										15
<u>Allens Millpond</u>										16
										17
										18
<u>Hickory Hill School</u>										19
										20
										21
										22
										23
										24
										25
										26
										27
										M 234

(Original names report recommended EXSL on basis of 4 local residents; however, the list with Field Edit Report appears more official)

(on sheet to northward?) off quad #Rk

(near Dragonville)

(apparently only a triangulation station; original names report recommended deletion of this name) is not a station name.

A name is Dragon #42 & School is located at base of symbol - *correct*

Names underlined & red approved
by L. Heck on 5/23/47

STATEMENT TO ACCOMPANY DESCRIPTION REPORT T-8347

1. This summary of survey methods used and the method of handling T-8347 and adjoining quadrangles is provided for the convenience of those processing and using the map in the future.

2. The several mapping operations were:

- (a) Nine-lens aerial photography and laboratory processing.
- (b) Field surveys for identification of shore-line; clarification of photographic details, and establishment and identification of horizontal control.
- (c) Compilation of planimetry and contours on a 1:20,000 scale manuscript by stereoscopic instrument methods.
- (d) Preliminary office review of the compiled manuscript.
- (e) Field edit and accuracy tests.
- (f) Final office review of the manuscript to insure completeness and conformance with specifications. This included correction of the manuscript in accordance with the field edit survey.
- (g) Drafting, reproduction, and publication. See paragraph 3.
- (h) Registry in archives. See paragraph 4.

3. T-8347 and the adjoining quadrangles will be smooth drafted, published, and distributed by the Geological Survey in accordance with the agreement of March 25, 1947.

4. The following data for T-8347 may be needed from time to time either in the U. S. Geological Survey or the Coast and Geodetic Survey. They are filed and may be obtained as follows:

- (a) Original manuscript corrected after field edit. - The manuscript is being forwarded to the Geological Survey at this time for smooth drafting. It

Will be eventually returned to the Coast and Geodetic Survey and will be filed in the Division of Photogrammetry. Meanwhile, it may be obtained from the Geological Survey if needed for nautical chart correction or other purposes.

(b) Field edit sheet. - The field edit sheet is filed in the Division of Photogrammetry. It will be loaned to the Geological Survey or other divisions of the Coast Survey upon request.

(c) Descriptive report. - The descriptive report together with a 1:20,000 scale photographic print of the manuscript (a above) is being registered in the Coast and Geodetic Survey archives at this time. When 7-8347 is published a cloth-backed colored print will also be registered. The descriptive report will be withdrawn from the archives and loaned to the Geological Survey upon request.

Very truly yours,

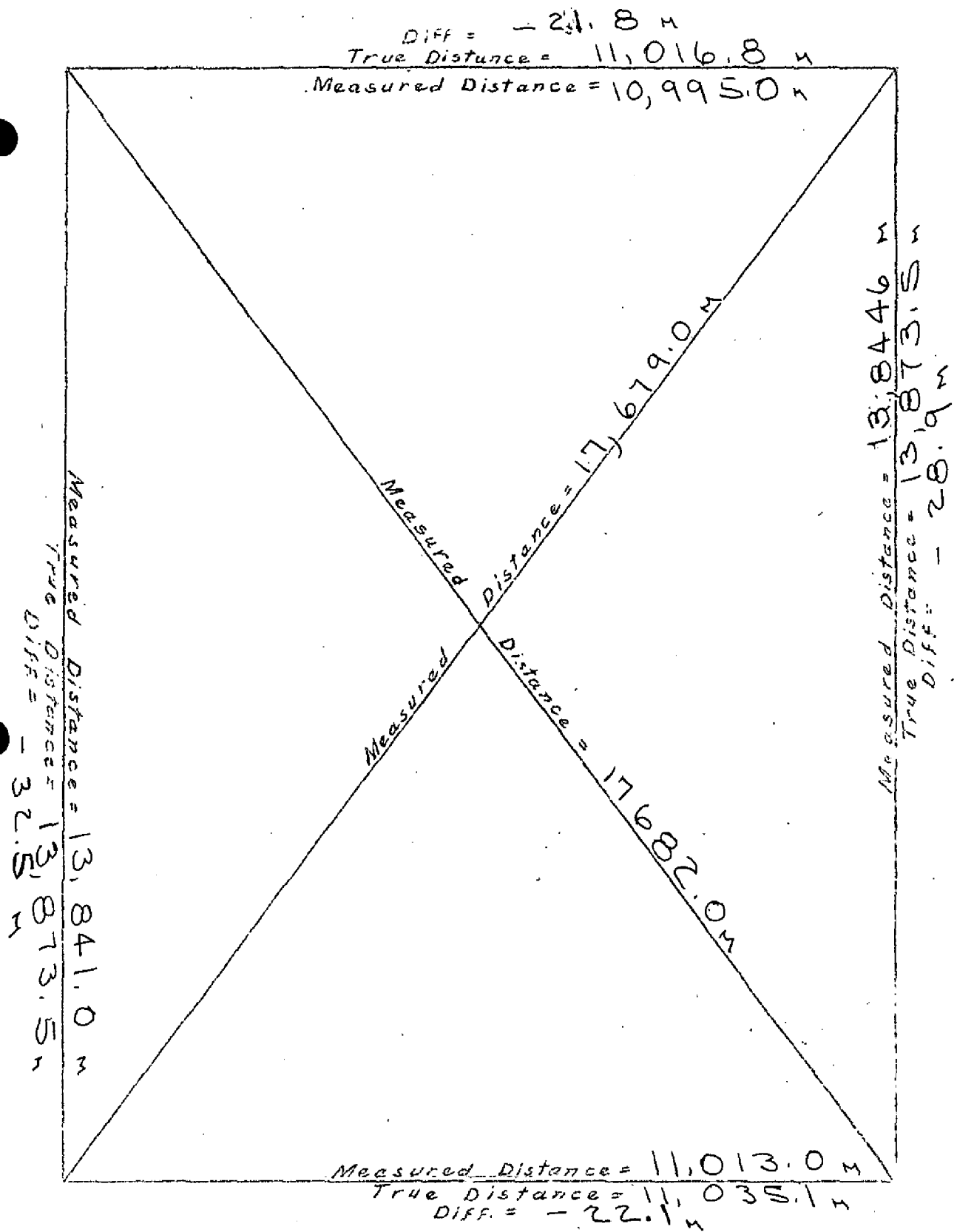
W. H. Jones, Jr., Chief, Division of Photogrammetry, U. S. Geological Survey, Washington, D. C.

W. H. Jones, Jr., Chief, Division of Photogrammetry, U. S. Geological Survey, Washington, D. C.

Very truly yours,

W. H. Jones, Jr., Chief, Division of Photogrammetry, U. S. Geological Survey, Washington, D. C.

Very truly yours,



Sheet Dimensions

Manuscript No. T-8347

TRUMART, VIF

Sealed by *[Signature]*
26 May 1947

NAUTICAL CHARTS BRANCH

SURVEY NO. 8347

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.