

8177

2218
8177

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	Air Photo. Compilation
Field No. 78	Office No. T-8177
LOCALITY	
State	Virginia
General locality	Eastern Shore
Locality	Cheriton
1942	
CHIEF OF PARTY	
Lieut. Comdr. Kenneth G. Crosby	
Lieut. Comdr. Francis L. Gallen	
LIBRARY & ARCHIVES	
DATE October 2, 1945	

DATA RECORD

T-8177

Quadrangle (II): Cheriton

Project No. (II): CS-278-C

Field Office: Salisbury, Md.

Chief of Party: W. D. Patterson

Compilation Office: Tampa, Fla. Chief of Party: K. G. Crosby

Instructions dated (II III):
March 4, 1942Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: 11/24/42

Reported to Nautical Chart Section: 11/42

Reviewed: 3/1/43

Applied to chart No.

Date:

Redrafting Completed: 6/11/43

Registered: ^{10/2/45}~~9/26/45~~

Published: 11/29/43

Compilation Scale: 1:20,000

Published Scale: 1:25,000

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927 Datum Plane (III): Mean Sea Level

Reference Station (III): Eastville, 1932

$37^{\circ}21'12.762''$ (393.4 m.) $75^{\circ}56'51.300''$ (1262.5 m.)
 Lat.: ~~$37^{\circ}21'12.790''$ (394.3 m.)~~ Long.: ~~$75^{\circ}56'51.284''$ (1262.2 m.)~~ Adjusted
 Unadjusted

State Plane Coordinates (VI):

Virginia System of Plane Coordinates, south zone

X = 2,741,810.59 Feet Y = 381,468.49 Feet

Military Grid Zone (VI) "A"

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8528	4-13-42	11:00	1:20,000	+ .95
8550	"	11:46	"	+ .60
8551	"	11:48	"	+ .60
8559	"	12:01	"	+ .50
8560	"	12:03	"	+ .50
8561	"	12:05	"	+ .50
8589	"	1:01	"	- .30

Tide from (III): Predicted Tides 1942

1. Cape Charles Harbor 2. Sand Shoal Inlet, Va.

Mean Range: 1. 2.3' Spring Range: 1. 2.8'
2. 4.0' 2. 4.8'

Camera: (Kind or source) U. S. C. & G. S. Nine Lens (Focal length 8 $\frac{1}{4}$ ")

Field Inspection by: H. Cravat, G. L. Anderson, C. date:
Hanavich, A. M. Jylha, Sr. Photo. Aids

Field Edit by: *Louis Levin, Jr. M. Dalby* date: 12/42
photo. Aids

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

Projection and Grids ruled by (III) Washington Office date: Oct. 1942

" " " checked by: date:

Control plotted by: A. L. Kidwell, Jr. Topo. Engr. date: Oct. 8, 1942

Control checked by: V. F. Simmons, Asst. Engr. Drafts. date: Oct. 9, 1942

Radial Plot by: Tampa Office Personnel date: Oct. 15, 1942

Detailed by: L. C. Bonham, Sr. Photo Aid. date: Oct. & Nov. 1942

Reviewed in compilation office by: date: Nov. 1942

A. L. Kidwell, J. H. S. Billmyer, Prin, Engr. Drafts.
Jr. Topo. Engr.

Elevations on Field Edit Sheet

checked by: *Louis Levin Asst. Photo. Aid* date: 12/42

STATISTICS (III)

Land Area (Sq. Statute Miles): 49.5

Shoreline (More than 200 meters to opposite shore): 57.5

Shoreline (Less than 200 meters to opposite shore): 113.8

Number of Recoverable Topographic Stations established: 7

Number of Temporary Hydrographic Stations located by radial plot: 9

Leveling (to control contours) - miles: 45

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:

COMPILATION REPORT
TO ACCOMPANY
SHEET NO. T-8177
Cheriton Quadrangle

CONTROL

Six triangulation stations lie within the boundaries of this sheet. All of these stations were held to in the radial plot except Cheriton Webster Can Co. Tank, 1939. This station was apparently picked wrong on the office photographs.

Station O-4, U.S.E., 1935, was located by the radial plot, however, the geographic position of this station may be obtained from the U. S. Engineers Dept., Baltimore, Maryland.

→ The plotted position of Eastville Water Tank falls approximately 50 meters east of the station as located by the radial plot. The recovery card lists this tank as an H & T station, therefore, the position obtained by the radial plot was used. This tank has evidently been moved.

In addition to the radial points, 16 hydrographic or topographic stations and sixteen bench marks were located by the radial plot.

Upon investigation by resection, the majority of the radial points and control stations located by the radial plot were found to be incorrectly located and were moved to their true position by the detailer. ?

RADIAL PLOT

The radial plot of which this sheet is a part is included in the descriptive report for sheet T-8176.

DETAILING

The photographs were very clear and of good scale so that no difficulty was encountered in their interpretation.

The field inspection of vegetation and roads was sufficient except in the vicinity of Cherrystone and Kings Creek west of Cheriton. In this area and in others where classification has been omitted, vegetation has been marked "?" and roads have been marked "Rd?".

The draftsman differed considerably from the field inspection in the delineation of the shorelines. Along the banks of The Gulf, Cherrystone Creek, Kings Creek, and Old Plantation Creek the field inspection showed a light shore line for some areas where any marsh present was too narrow to appear on the photographs. Where no marsh was apparent the shore line was shown as fast land.

Along most of the shoreline of Ramshorn Bay, Brockenberry Bay and Mockhorn Bay the exact location of the high water line is very indefinite. The draftsman conformed to the field inspection here except in a few instances where the nine-lens pictures were much clearer than the single-lens field

→ Note: The G.P. of this station was checked and plotted. It was found to be in the same position as was the ⊙ station, "Eastville Tank, 1942"; therefore, the station was replotted as a Δ Sta. rather than a H & T Sta. (No doubt the sta. was plotted incorrectly in the field office W.B.R.)

prints. Several areas were smooth drafted to indicate mud flats grading through grass in water to marsh, even though most of these mud flats are probably covered at high water.

Several clearings in the western part of the sheet which may be power line or telephone line clearings have been marked "powerline?" and should be investigated.

The junctions with sheet T-8175 on the north, T-8178 on the west, T-8176 on the east and T-8181 on the south have been made and are in good agreement.

SUPPLEMENTAL DATA

The only supplemental data used in the compilation of the sheet was a sketch of Oyster, Virginia, drawn on the back of single-lens photograph 8-348 by the field inspectors.

DETAILS OFFSHORE FROM THE HIGH WATER LINE

A bar offshore from White Cliffs in the northwestern part of the sheet and marked "reported bare at high water" should be investigated by the hydrographic party. Extensive areas of mud flats and oyster rocks along the eastern part of the sheet also need investigation.

LANDMARKS AND AIDS TO NAVIGATION

Two landmarks and six aids to navigation have been listed on form 567 which has been made a part of this report.

HYDROGRAPHIC CONTROL

All stations located during the radial plot for future use by the hydrographic party have been listed on form 524 cards which are included with this report.

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

The only topographic map of this area available is the Corps of Engineers tactical map of the Eastville Quadrangle on a scale of 1:62,500. Due to the scale difference, no accurate comparison could be made, but in general there is good agreement between the present compilation and the topographic map.

On the topographic map, the marsh areas along the creeks are more extensive than shown on the present compilation and the creek systems on Elkins marsh and Mockhorn Island are quite different.

Route 600 is listed as a state highway on the topographic map, but is shown as a county highway on the Northhampton County road map. The highest elevation found in the area was 39.6 feet whereas according to the topographic sheet all elevations are less than 20 feet.

COMPARISON WITH NAUTICAL CHARTS


U. S. C. & G. S. Chart 1222, August 1942, includes the area of this sheet.

This compilation adequately portrays all charted details and should supersede the charted information.

Respectfully submitted

Lawrence C. Bonham,^{L.C.}
Photogrammetric Aid

Forwarded by:


Kenneth G. Crosby,
Chief of Party....

FIELD EDIT REPORT
Quadrangle T-8177
Project CS-278- C
F. L. Gallen, Chief of Party

1. The land area in this quadrangle includes the center portion of Northampton County, Va. and is comprised mostly of cultivated fields and a few scattered wooded areas. The east portion of this sheet consists of marsh area.
4. The position of Cheriton Webster Can Co. Tank, 1939 was checked in the field and was found to be correct on the Map Manuscript. The position of Eastville Water Tank, which is shown on the Map Manuscript, as an H. & T. station, was also checked in the field and found to be correct. The position agrees with the geographic position of Triangulation Station Eastville Tank, 1942, as given in the listing of Geographic Positions and should, therefore, be shown as a triangulation station.
15. Bridge classification was carried out in accordance with the instructions.
17. Political boundaries were obtained from maps issued by the Virginia State Roads Commission and were verified in the field.
18. Geographic names were taken from a special report CS-278-C submitted by A. J. Wraight, Photogrammetric Aid.
44. All roads shown on existing topographic maps as county roads have now been taken over by the state.
46. All additions, corrections, and deletions were made on the field edit sheet and transferred to the smooth copy on completion. Black ink was used for all additions and corrections, green ink for deletions, blue ink for drainage features, and purple ink for political boundaries.
47. The detail on the map compilation was complete and accurate except for the location of the R. R. leading into Cape Charles. A blueprint was submitted with T-8175 and should also be used to correct the location of the R. R. on this sheet. *corrected*
48. No vertical accuracy test was run on this quadrangle. See sheet T-8174 which was contoured by the same topographer. A horizontal accuracy test was run on T-8174 and T-8175.

Submitted by

Louis Levin
Louis Levin,
Photogrammetric Aid

Approved by

F. L. Gallen
F. L. Gallen, Chief of Party

8177

Horizontal Accuracy Test Comparison

Δ Tankard to Δ Seaview

Traverse position listed as P.P.

Compilation " " " M.M.

Point		Latitude	Longitude	Difference in mm
11. E. Rd. & E. R.R.	P.P. 37°21'	474.6	76°55' 1057.4	155 ✓
	M.M.	477.5	1058.5	
		-2.9	-1.1	
12. O.R.R. Ext. Sta.	P.P. 37°20'	1713.7	76°55' 1296.6	1115
20' to L	M.M.	1719.5	1294.5	0.309 ✓
		169.1	1294.5	
		-8.8	+2.1	
			1296.6	
13. E. of T. Rd.	P.P. 37°20'	705.6	76°56' 252.6	705
Int. 39' to R.	M.M.	710.7	239.5	
		5.1	13.1	
14. E. Rd. & E. R.R.	P.P. 37°20'	66.9	76°56' 498.0	575 ✓
	M.M.	78.1	496.5	
		11.2	1.5	
15. N.W. Cor. of	P.P. 37°19'	1003.4	76°56' 857.6	3725 ✓
Bldg. 57' to L	M.M.	998.1	862.8	
		5.3	5.2	
16. E. Ditch & E.	P.P.			
	P.P. M.M.		(can not identify)	
17. E. T. Rd. Int. to P.P.	37°19'	204.4	76°56' 1191.6	5755 ✓
L. of track	M.M.	192.9	1190.5	
		11.5	1.1	
18. B.M. N-86	P.P. 37°18'	1382.8	76°56' 1472.2	4052 ✓
	M.M.	1379.4	1472.6	
		3.4	1.6	
19. O. Packing Shed	P.P.			
45' to L	M.M.		(can not identify)	
20. E. T. Rd. Int.	P.P. 37°17'	1843.6	76°57' 582.3	159 ✓
39' to R.	M.M.	1840.3	582.2	
		3.3	.1	
21. N.W. Cor. of NW. P.P.	37°17'	1306.5	76°57' 776.4	0.877 ?
Bldg. 40' to L	M.M.	1289.3	773.1	
		17.2	774.0	
		25.4	3.3	
			2.4	

T-8177 (continued)

Horizontal Accuracy Test Comparisons

Δ Tankard to Δ Seaview

Traverse position listed as P.P.

Compilation " " " M.M.

Point		Latitude	Longitude	Difference in mm
22. B.M. V-86	P.P. 37°17'	577.9	76°57'	1109.6
	M.M.	505.1	1097.5	641
		2.8	12.1	
23. E.Rd. & R.P.	P.P. 37°16'	1383.1	76°58'	41.5
	M.M.	1377.2	27.5	7725?
		5.9	14.0	
24. E.Rd. & Rd.	P.P. 37°16'	624.3	76°58'	57.5
to L	M.M.	615.1	50.8	565
		9.2	6.7	
25. & T.Rd. Int.	P.P. 37°15'	1599.5	76°58'	234.9
	M.M.	1603.6	224.1	576
		4.1	10.8	
26. @ House 80'	P.P. 37°15'	1471.4	76°57'	574.3
to L	M.M.	1464.5	560.7	76?
(not well defined)		6.9	13.6	
27. & Rd. & Rd.	P.P. 37°15'	1386.9	76°57'	138.4
to L	M.M.	1382.5	132.8	2755
		.6	5.6	

Sheet 1-8179

Tampa, Florida

11-12-48, 19

The positions given have been checked after listing

Kenneth G. Crosby

Chief of Party.

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The date should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

GEOGRAPHIC NAMES LIST FOR T-8177

Bay Side Road ✓
 Bayview ✓
 Brockenberry Bay ✓
 Brockenberry Creek ✓
 Camp Ettinger ✓
 Cheriton ✓
 Cherrystone ✓
 Cherrystone Creek ✓
 Chesapeake ✓
 Chesapeake Bay ✓
 Club House Creek ✓
 Cobbs Mill Creek ✓
 Crow Bay ✓
 Eastville ✓
 Eastville Station ✓
 Elkins Marsh ✓
 Eyrehall Creek ✓
 Eyrehall Neck ✓
 Eyreville Creek ✓
 Eyreville Neck ✓
 Fairview ✓
 Holtz Neck ✓
 Indiantown Creek ✓
 Indiantown Neck ✓
 James Crossroads ✓
 Kendall Grove ✓
 Kings Creek ✓
 Little Salisbury ✓
 Mockhorn Bay ✓
 Mockhorn Channel ✓
 Mockhorn Island ✓
 Narrow Channel ✓
 Narrow Channel Branch ✓
 Newalls Channel ✓
 Newalls Channel Drain ✓
 Old Castle Creek ✓
 Old Plantation Creek ✓
 Old Town Neck ✓
 Oyster ✓
 Oyster Slip ✓
 Pat Town ✓
 Pennsylvania R.R. ✓
 Point Of Rock Drain ✓
 Point of Rock Channel ✓

Ramshorn Bay ✓
 Ramshorn Channel ✓
 Sand Shoal Channel ✓
 Savage Neck ✓
 Savage Neck Road ✓
 Sea Side Road ✓
 Seaview ✓
 Simpkins ✓
 Spada Creek ✓
 Stumptown ✓
 Taylor Creek ✓
 The Gulf ✓
 Thomas Creek ✓
 Two Mouths Creek ✓
 White Cliffs ✓
 Wilkins Beach ✓
 Wilkins Creek ✓

ROAD CLASSIFICATION FOR MAPS OF ALL SCALES

CLASS	LABEL	STRUCTURE	LOADING
1	Dependable hard-surface heavy duty road.	Concrete, asphaltic concrete bituminous Macadam, H-15 type structures.	Will bear heaviest loads with little maintenance.
2	Secondary, hard-surface all-weather road.	Surface-treated, oiled gravel, waterbound Macadam, structures generally lighter than H-15 but sturdy.	Will bear fairly heavy military loads in all weather if maintained.
3	Loose-surface graded, dry-weather road.	Gravel or stone surface, stable material, selected sand-clay, etc. Drained and graded.	Will bear light military loads in good weather.
4	Unimproved road.	Graded and drained earth, with very light structure.	Generally unsuitable for military loads.
4U	Truck road	Woods roads, farm roads, etc. over which a standard gage vehicle can be driven.	
5	Trail	(Horse trails, foot trails, etc.)	

Roads with more than two (2) lanes are indicated by note along road, e. g. 3 LANE. Change in lanes shown by tick at point of change. Main roads have two lanes unless otherwise marked.

Private roads are designated by the letter P after the road classification.

WOODS CONCEALMENT CLASSIFICATION

Class A: Trees over 10' high and thick enough to hide troops.

Class B: Brush thick enough to hide troops but dense enough to impede progress.

Class C: Scattered brush thick enough to hide troops but not thick enough to impede progress.

ABBREVIATIONS

ROADS

- W — Width (feet bet. shoulders)
- P — Private road
- OP — Overpass
- UP — Underpass
- X — Abandoned trail, road, etc.
- RR — Railroad tracks; as 2 tracks

WOODS CLASSIFICATION

Density Classification

- 1 — Scattered
- 2 — Thinly wooded
- 3. — Heavily wooded
- 4 — Densely wooded

Types of woods

- D — Deciduous
- P — Evergreen and pine
- R — Brush
- S — Scrub
- Y — Cypress
- L — Young trees (LP—young pines
LD—young deciduous trees)

SHORE LINE

- HWL — Mean high water; fast land
- LWL — Low water line
- LL — Light line; marsh shore line
- M — Marsh inshore limits
- MW — Marsh grass in water
- Dk — Dock
- Pier — Pier
- Se W — Sea wall
- Bkhd — Bulkhead
- Jet — Jetty
- Dol — Dolphin
- Pile — Pile
- S — Sand
- Mud — Mud
- Rk — Rock or rocky
- Sty — Stony
- Conc — Concrete
- Wo — Wood
- Blf — Bluff
- Dune — Dune

BOUNDARIES

- F — Fence
- Sty F — Stone fence
- F B — Fire Break
- Hdg — Hedge
- Park — Park
- Cem — Cemetery
- Co — County
- Md. — Maryland
- Va. — Virginia
- Bdy — Boundary

VEGETATION

- C — Cultivation
- Gr — Grass

BUILDINGS

- Ho — House
- Ba — Barn
- Sh — Shed
- Bldg — Building
- Bo Ho — Boat House
- Ch — Church (give name)
- Ct Ho — Court House (give name)
- P O — Post Office (give name)
- Sch — School (give name)
- Hos — Hospital (give name)
- RR Sta — Railroad station
- Sto — Country store or gas sta.
- P Sta — Power Station
- Ck H — Chicken House
- D — Dwelling

LANDMARKS

- FT — Fire tower
- TT — Transmission tower
- RT — Radio Tower or mast
- Air Bn — Airway beacon
- Bn — Non-lighted aid to navigation
- Lt — Lighted aid to navigation
- Tk — Low tank
- Tk elev — Tall tank
- Stk — Stack

STREAMS, PONDS & BRIDGES

- D — Largest ditches only
- DX — Small
- IS — Intermittent stream
- PD — Probable drainage
- Cr — Creek
- Ca — Canal
- Brg — Bridge, (capacity & clearance)
- Cv — Culvert (capacity)
- Lev — Levee
- Dam — Dam
- P — Pond
- IP — Intermittent pond

	Remarks	Decisions
1		372758
2	<i>The Thorfare is U.S.G.B. decision.</i>	"
3	A section of The Thorfare: referred to USGB: apply this name pending its decision	" U.S.G.B.
4		"
5		"
6		"
7		"
8		"
9		"
10		372759
11		"
12		"
13		" USGB
14		"
15		372760
16		"
17		372759
18		"
19		"
20		"
21		"
22		"
23		"
24	See line 24, page No. 2	" Spelling o.k.
25		373758
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8177

CHERITON quadrangle

No. 1 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	
✓✓ Mockhorn Island ✓	X									1
✓✓ Mockhorn Bay ✓	X									2
✓✓ Mockhorn Channel ✓	X									3
✓✓ Sand Shoal Channel ✓	X									4
✓✓ Two Mouths Creek ✓	X									5
✓✓ Newall Channel ✓	X									6
✓✓ Point of Rock Channel ✓	X									7
✓✓ Narrow Channel ✓	X									8
✓✓ Club House Creek ✓	✓									9
✓✓ Seaview ✓	X									10
✓✓ Fairview ✓	X									11
✓✓ Bayview ✓	X									12
✓✓ Cheriton ✓	✓									13
✓✓ Oyster ✓	✓									14
✓✓ Old Plantation Creek ✓	✓									15
✓✓ Kings Creek ✓	X									16
✓✓ Newall Chammel Drain ✓	X									17
✓✓ Point of Rock Drain ✓	X									18
✓✓ Narrow Channel Branch ✓	X									19
✓✓ Stumptown ✓	X									20
✓✓ Camp Ettinger ✓	X									21
✓✓ Cobb Mill Creek ✓	X									22
✓✓ Oyster Slip ✓	X									23
✓✓ Brockenberry Creek ✓	X									24
✓✓ Elkins Marsh ✓	X									25
✓✓ Crow Bay ✓	X									26
✓✓ Ramshorn Bay ✓	X									27

Remarks

Decisions

1	A section of The Thoroughfare, referred to USGB: apply this name pending its decision	373758 U.S.G.B.
2		"
3		"
4		373759
5		"
6		"
7		"
8		"
9		"
10		" USGB
11		373760
12	Cherrystone Inlet/Creek referred to USGB: pend- ing its decision apply Cherrystone Creek	" U.S.G.B.
13		"
14		373759
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24	See also line No. 24, page No. 1: referred to USGB with respect to spelling Brockenbrough used	" U.S.G.B.
25	on USE blueprints	"
26	Apply pending USGB decision	" U.S.G.B.
27		"

GEOGRAPHIC NAMES

Survey No. T-8177

No. 2

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	
<u>Ramshorn Channel</u> ✓	✓								1
<u>Indiantown Creek</u> ✓	✓								2
<u>Holt Neck</u> ✓	name shown in 8175								3
<u>Kendall Grove</u> ✓	✓								4
<u>Eastville</u> ✓	✓								5
<u>Eastville Station</u> ✓	✓								6
<u>The Gulf</u> ✓	✓								7
<u>Old Town Neck</u> ✓	✓								8
<u>Old Castle Creek</u> ✓	✓								9
<u>Chesapeake</u> ✓		✓							10
<u>Savage Neck</u> ✓		✓							11
<u>Cherrystone Creek Inlet</u> ✓	✓								12
<u>Cherrystone</u> ✓	Name in T-8176								13
<u>White Cliffs</u> ✓	✓								14
<u>Wilkins Beach</u> ✓	✓								15
<u>James Crossroads</u> ✓	✓								16
<u>Little Salisbury</u> ✓	✓								17
<u>Simpkins</u> ✓	✓								18
<u>Taylor Creek</u> ✓	✓								19
<u>Indiantown Neck</u> ✓	✓								20
<u>Thomas Creek</u> ✓	✓								21
<u>Wilkins Creek</u> ✓	✓								22
<u>Spada Creek</u> ✓	✓								23
<u>Brockenberry Bay</u> ✓	✓								24
<u>Pat Town</u> ✓	✓								25
<u>Eyrehall Creek</u> ✓	✓								26
<u>Eyrehall Neck</u> ✓	✓								27

T-8177

No. 3

Remarks.

Decisions

1	Apply pending USGB decision	373759 USGB
2		"
3		USGB
4		Railway Guide
5		RoadMaps
6		"
7		"
8		
9		
10		
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14		
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24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-8177

No. 3

Name on Survey

	A	B	C	D	E	F	G	H	K	
✓ Eyreville Creek ✓	X									1
✓ Eyreville Neck ✓	X									2
✓ Chesapeake Bay ✓	X									3
✓✓ Pennsylvania R.R. ✓	X									4
✓✓ Savage Neck Road (Va. Highway No. 634) ✓										5
✓ Bay Side Road (U.S. Highway No. 13) ✓										6
✓ Sea Side Road (Va. Highway No. 600) ✓										7
✓ Northampton County ✓	X									8
										9
										10
										11
										12
										13
										14
										15
										16
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										19
										20
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										26
										27

by L. Heck 11/16/43

RECORDS

Between January, 1942 and July, 1944, this Bureau completed 323 quadrangles. These maps have been published, or are in the process of being published on scales of 1:31,680 or 1:25,000. This series of quadrangles includes a land area of approximately 15,000 square miles. Incident to this work, a considerable volume of survey records and data has accumulated which will be filed for future reference. This material is filed as follows:

Registered and Filed in the Vault

Cloth-mounted copy of the published quadrangle.

published quadrangle at 1:20,000 scale.
Black and white cloth-mounted copy of the ~~map~~ ~~manuscript~~. This copy is filed to preserve original survey detail shown on the manuscript at 1:20,000 scale which may not have been shown on the published sheet. For ~~political boundaries~~, woodland, ~~march, and swamp limits~~, refer to the published quadrangle for the finally adopted positions.

Descriptive Report.

Filed in the Photogrammetric Section - Surveys Branch

Field inspection photographs.

Contoured photographs (on which planetable contouring work was performed.)

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Reviewing Unit.

Supplementary traverse and level records.

Field notes, computations, lists of positions, and tabulations of results of horizontal and vertical accuracy tests.

Reproduction proof.

Correction sheet (copy of quadrangle showing in red changes to be made when next printed.)

Check lists of work performed on each sheet in the Washington Office during review, drafting, edit, and reproduction.

Copy of Original celluloid manuscript.

Copies of specifications and all instructions
to field parties and field offices.

Filed in Reproduction Branch

Glass negatives of the color separation drawings.

Filed in the Library

~~Special report on field work by Commander K. T.
Adams, 1944.~~

Special report on office work by B. G. Jones, 1944.

Season's report on field work by Commander F. L.
Gallen, 1944.

~~Season's report on field work by Commander R. L.
Schoppe, 1944.~~

Delivered to the Army Map Service in accordance
with the contract

Film negatives and film positives of the color
separation drawings.

All color separation drawings.

~~Original celluloid manuscript.~~

A correction sheet consisting of a copy of the
first edition of the quadrangle with notes in red
indicating changes desirable at the next printing.

General Procedure in the Production of Topographic Quadrangles for the War Department

This quadrangle, together with similar adjoining maps produced under Project C.S.278-C, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

FIELD SURVEYS

Aerial photography with the Coast and Geodetic Survey nine-lens camera, with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000.

Ground inspection of the photographs for identification of control points, and classification and clarification of planimetric details on the photographs.

Contouring by planetable directly on the photographs. Supplementary vertical control was established by means of an extensive subordinate level net, furnishing unmarked elevations at road intersections, drive-ways, and numerous other points identifiable on the photographs.

COMPILATION OF MANUSCRIPT

Compilation on the map manuscripts by radial plot methods (celluloid hand templates) of all planimetry and contours. These manuscripts were drawn on the scale of 1:20,000 on celluloid sheets on which polyconic projections had been ruled with the Projection Ruling Machine in the Washington Office. Compilation was accomplished in the ~~Baltimore~~ Tampa Photogrammetric Office.

FIELD EDIT

Comparison of a copy of the manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.

Accuracy Tests - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

PROCESSING IN THE WASHINGTON OFFICE

Review - Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

Drafting and Reproduction - Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blue-line" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8177

Cheriton QUADRANGLE

This quadrangle manuscript has been examined for completeness, accuracy, and conformity with the specifications. It is adequate for smooth drafting, reproduction and publication. Revisions found to be necessary in this office are discussed on the next page.

Horizontal and Vertical Accuracy

For the horizontal accuracy test 18 points were tested *see next page* and all but 2 points fell within the allowable error of .76mm.

There is no vertical accuracy test in this area.

Previous Surveys

This manuscript has been compared with the following previous topographic surveys of this Bureau and other agencies. This map is satisfactory to supersede the previous surveys over the common area.

T-350	1851	1:20,000
T-1201	1869-88	1:20,000
T-1202a	1869-88	1:20,000
T-2676	1904-05	1:20,000
Eastville, Va.	1942	1:62,500 U.S.E.

Comparison with Nautical Charts No. 1222

The manuscript has not been applied to the charts at the date of this review. The following comments are pertinent to the compilation and correction of nautical charts:

A list of 4 landmarks and 6 lights on form 567 were submitted to the nautical charts section.

The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

Only changes of a minor nature were necessary during the review of this map manuscript.

The horizontal accuracy test on this quadrangle shows the accuracy to be slightly less than the specification of ± 0.5 mm for well defined points. However, the difference is small and the quadrangle was accepted without uplotting. B.G. Jones

Reviewed 1 March 1943 By Jack L. Riley
under direction of D. H. Benson

Inspected by B. G. Jones

Examined and approved:

Robert W. Boyd
Chief, Surveys Branch
Nautical Chart

K. T. Adams
Chief, Topography Section

J. B. Borden
Chief, Div. of Charts

Raymond C. Egan
Chief, Div. of Coastal
Surveys