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Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photo Compilation

Field No. 69 Office No. T-8169

LOCALITY

State Virginia

General locality Eastern Shore

Locality Pungoteague Quadrangle

N. 3737.5-W. 7545/7.5

194 2

CHIEF OF PARTY

Lieut. Comdr. Kenneth G. Crosby

Lieut. Comdr. Francis L. Gallen

LIBRARY & ARCHIVES

DATE April 12, 1945

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

REG. NO.

T8169

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 69

REGISTER NO. T-8169

State Virginia

General locality Eastern Shore (Chesapeake Bay)

Locality Pungoteague Quadrangle

Scale 1:20,000 Date of Photographs Survey April 13, 1942

Vessel

Chief of party Lieut. Comdr. Kenneth G. Crosby
Lieut. Comdr. Francis L. Callen

Surveyed by Field Inspection by H. M. Eldridge, S. C. Dionisio,
D. B. Hancock, & C. C. Fryer

Inked by

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated March 4, 1942, 1942

Remarks:

DATA RECORD

T-8169

Quadrangle (II): Pungoteague

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): 3/4/42

Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: 12/15/42

Reported to Nautical Chart Section: 12/42

Reviewed: 4/10/43

Applied to chart No.

Date:

Redrafting Completed: 8/5/43

Registered: 4/12/45

Published: 1/18/44

Compilation Scale: 1:20,000

Published Scale: 1:31,680

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927

Datum Plane (III): M.S.L.

Reference Station (III): Harborton, 1932

Lat.: 37°39'58.561"(1805.4 m.) ✓ Long.: 75°49'55.528"(1360.9 m.) ✓
Adjusted
~~Unadjusted~~

State Plane Coordinates (VI):

X = 2 772 149.99 Feet

Y = 496 214.41 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>
8533	4-13-42	11:11	1.00	+ 1.6 Ft.
8542	"	11:30	"	+ 1.45 Ft.
8543	"	11:32	"	+ 1.40 Ft.

Tide from (III): Predicted Tides, Pungoteague Creek, Virginia

Mean Range: 1.7 Ft.

Spring Range: 2.0 Ft.

Camera: (Kind or source) U.S.C. & G.S. 9 lens (Focal Length $8\frac{1}{4}$ ")

Field Inspection by: H.M. Eldridge, S.C. Dionisio, D.E. date: May, June,
Hancock, C.C. Fryer July, 1942

Field Edit by: *Orvis M. Dalbey, Photo Aid* date: *Jan, 1943*

Date of Mean High-Water Line Location (III): April 13, 1942

Projection and Grids ruled by (III) Washington Offc. date: 9-1942

" " " checked by: " " date:

Control plotted by: L. H. Zollars, Photo Aid date: Sept. 22, 1942

Control checked by: C. L. Bailey, Photo Aid date: " " "

Radial Plot by: Tampa Office Personnel date: Sept. 29, 1942

Detailed by: Phillip G. Gill, Jr. Asst. Photo Aid date: Oct.-Nov. '42

Reviewed in compilation office by: A.L. Kidwell date: Nov. 1942
Jr. Topo. Engr.

Elevations on Field Edit Sheet
checked by: *Louis Levin, Photo Aid* date: *Jan, 1943*

STATISTICS (III)

Land Area (Sq. Statute Miles): 43.64

Shoreline (More than 200 meters to opposite shore): 50.0

Shoreline (Less than 200 meters to opposite shore): 13.7

Number of Recoverable Topographic Stations established: 16

Number of Temporary Hydrographic Stations located by radial plot: 10

Leveling (to control contours) - miles: 42

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-8169
Pungoteague Quadrangle

CONTROL

There was adequate control on this sheet, consequently few difficulties have arisen from the radial plot. Those radial points which fell towards the edge of the radial plot were re-intersected in order to insure their proper position. Several additional radial points were added to the Survey Sheet by the compiler. The majority of these additional radial points were located by perfect three or four ray intersections; those points which were doubtful were circled in green ink on the back of the sheet.

RADIAL PLOT

Discussion of the radial plot which included this sheet was made part of the descriptive report for Sheet ~~T-8165~~ T-8173.

DETAILING

The detailing of this sheet was done from clear photographs of almost perfect scale. Field inspection, however, had not been done in the northern area, and only marsh and cultivated areas have been classified.

LANDMARKS & AIDS TO NAVIGATION

The only aids to navigation on the sheet were "No. 5 Beacon" and "Onancock Light"; the latter was located by sextant angles. These stations are listed on form 567 included herewith.

The field inspection (Photo 9313) indicated 4 beacons (Nos. "7", "10", "11", and "12") and one flashing light along Pungoteague Creek and 21 beacons (Nos. "1" to "15" inclusive, "17", "17A", "18" to "21" inclusive) along Onancock Creek. This office had no picking cards for these stations and it is suggested that they be further investigated in the field.

There were no outstanding landmarks in this area.

*See attached list of landmarks
submitted by Goller
from Fall Edit Survey.*

LANDING FIELDS & AERONAUTICAL AIDS

A concrete landing field in the southeastern part of the sheet, upon which construction was begun after the taking of the photographs, was scaled onto the sheet by means of distances received from the field inspection. It is a landing strip approximately 2.3 miles long, varying from 50 ft. to 150 ft. in width.

HYDROGRAPHIC CONTROL

Topographic Stations, suitable for the control of hydrographic surveys, were located during the radial plot; geographic positions of these will be found on Form 524.

COMPARISON WITH NAUTICAL CHARTS

In comparing this sheet and nautical chart #1223 (scale 1:80,000,

published in Washington, D. C. March 1932) it was found that differences existed in the offshore marshy islands at (circa) N $37^{\circ} 41' 50''$ - W $75^{\circ} 52'$. Many of the islands shown on nautical chart #1223 have changed shape while several others have apparently disappeared. The map compilation should supersede the charted information.

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

This sheet has been compared with a quadrangle compiled by the Corps of Engineers, U. S. Army and used by the field inspection party as a Geographic Name Sheet. There have been many slight changes in the shoreline, and several of the islands mentioned above have apparently disappeared. The corps of Engineers Quadrangle shows "Parkers Marsh" (circa N $37^{\circ} 44' 30''$ - W $75^{\circ} 49'$) as an island; it has since become joined to the mainland.

Respectfully submitted,

Phillip G. Gill, Jr.

Phillip G. Gill, Jr.
Asst. Photogrammetric Aid

Forwarded by:

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

FIELD EDIT REPORT
Quadrangle T-8169
Project CS-278-C
F.L.Gallen, Chief of Party

1. The land area on this sheet is comprised of a series of necks and points which extend out into the Chesapeake Bay. The cultivated and wooded areas are about evenly distributed.
15. The 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.
46. All additions, deletions, and corrections were made on the map manuscript, and transferred to the smooth copy after the completion of the field edit work.

The inking of the map manuscript was done in accordance with the following scheme:

<u>FEATURES</u>	<u>COLORS</u>
Additions, bench marks, wye	
level elevations	Black
Deletions	Green
Drainage features	Blue
Political boundaries	Purple

47. The position and amount of detail on this map manuscript is complete and accurate.
48. The horizontal accuracy test was run in quadrangles T-8172 and T-8174.

The vertical accuracy test was run in quadrangle T-8166. Both sheets were contoured by the same topographer.

Submitted by

Orvis N. Dalbey
Orvis N. Dalbey
Photogrammetric Aid

Approved by

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

**TO BE CHARTED
TO BE DELETED** } STRIKE OUT ONE

LANDMARKS FOR CHARTS PERMANENT AIDS TO NAVIGATION

Mancock, Va.

January 14, 1943

Chart letter 140
1948.3

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing

P. L. Gallen

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 survey sheets. Information under each column heading should be given.

7-8269 Chart letter 140

~~TO BE CHARTED~~
~~TO BE DELETED~~ } STRIKE OUT ONE

**LANDMARKS FOR CHARTS
PERMANENT AIDS TO NAVIGATION**
Chamcock, Va.

January 14, 1943

I recommend that the following objects which have ~~have not~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing

H. I. Gallen

Chief of Party.

GENERAL LOCALITY	CRANCOCK, VA.	POSITION										CHARTS AFFECTED	
		NAME AND DESCRIPTION	LATITUDE		LONGITUDE		DATUM	METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART			
			0	1	D. M. METERS	0				1	D. P. METERS		INSHORE CHART
	CRANCOCK RIVER BEACON "13"	37	42	1793	75	46	1275	N.A. 1927	Plate 66b19	1943	X	1223	
	" " "14"	37	43	4	75	46	1430	"	"	"	X	1223	
	" " "15"	37	42	1485	75	46	996	"	"	"	X	1223	
	" " "17"	37	42	1404	75	46	825	"	"	"	X	1223	
	" " "17A"	37	42	1389	75	46	561	"	"	"	X	1223	
	" " "19"	37	42	1418	75	45	1162	"	"	"	X	1223	
	" " "20"	37	42	1294	75	45	1028	"	"	"	X	1223	
	" " "21"	37	42	1279	75	45	862	"	"	"	X	1223	

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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-8169

Chart letter 140
1943

TO BE CHARTED
TO BE DELETED } STRIKE OUT ONE

LANDMARKS FOR CHARTS
PERMANENT AIDS TO NAVIGATION
ONANCOCK, VA.

January 14, 1943

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks, be charted on (deleted from) the charts indicated.

The positions given have been checked after listing.

GENERAL LOCALITY		ONANCOCK VA.		POSITION						METHOD OF LOCATION		DATE OF LOCATION		CHARTS AFFECTED		
NAME AND DESCRIPTION				LATITUDE		LONGITUDE		DATUM	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED				
				0	1	D. M. METERS	0						1	D. P. METERS		
ONANCOCK RIVER LIGHT				37	43	887	75	51	95	N.A. 1927	Plane-table	1943	X		1223	
ONANCOCK RIVER BEACON "1"				37	43	444	75	50	537	"	"	"	X		1223	
"	"	"	"	37	43	1213	75	48	392	"	"	"	X		1223	
"	"	"	"	37	43	316	75	50	265	"	"	"	X		1223	
"	"	"	"	37	43	1199	75	48	236	"	"	"	X		1223	
"	"	"	"	37	43	766	75	49	1097	"	"	"	X		1223	
"	"	"	"	37	43	1037	75	48	65	"	"	"	X		1223	
"	"	"	"	37	43	1239	75	48	618	"	"	"	X		1223	
"	"	"	"	37	43	949	75	47	1234	"	"	"	X		1223	
"	"	"	"	37	43	1101	75	48	9	"	"	"	X		1223	
"	"	"	"	37	43	649	75	47	828	"	"	"	X		1223	
"	"	"	"	37	43	292	75	47	240	"	"	"	X		1223	
"	"	"	"	37	43	292	75	47	422	"	"	"	X		1223	

Chief of Party:

P. L. Callen

R. L. Gallen

Chief of Party.

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 data 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 NAME LIST FOR T-8169

- | | |
|-------------------------|----------------------------------|
| ✓ Back Creek | ✓ Poplar Cove Wharf |
| ✓ Baileys Neck | ✓ Prospect Neck |
| ✓ Baileys Point | ✓ Pungoteague |
| ✓ Bay Side Road | ✓ Pungoteague Creek |
| ✓ Bluff Point | ✓ Savageville |
| ✓ Bobtown | ✓ Scarborough Island |
| ✓ Boggs Wharf | ✓ Scott Store |
| ✓ Broadway Landing | ✓ Smithville |
| ✓ Broadway Neck | ✓ Sound Beach |
| ✓ Bucklands Gut | ✓ Tarkill Gut |
| ✓ Bull Branch | ✓ Taylors Creek |
| ✓ Butcher Creek | ✓ The Sandhill |
| ✓ Cashville | ✓ Thicket Creek Creek |
| ✓ Cedar Creek | ✓ Thicket Point |
| ✓ Chandlers Marsh | ✓ Titlow Creek |
| ✓ Chesapeake Bay | ✓ Warehouse Point |
| ✓ Chesconessex Creek | ✓ Warehouse Prong |
| ✓ Coffin Point | ✓ Warehouse Wharf |
| ✓ Cooheyville | ✓ Ware Point |
| ✓ Crockett Town | ✓ West Point |
| ✓ Crockett Town Creek | ✓ Yeos Neck |
| ✓ Dahl Swamp | |
| ✓ Dingers Mill | |
| ✓ Evans Wharf | |
| ✓ Finneys Creek | |
| ✓ Finneys Island | |
| ✓ Finneys Neck | |
| ✓ Finneys Wharf | |
| ✓ Hacksneck | |
| ✓ Hacks Neck | |
| ✓ Hancock Gut | |
| ✓ Harborton | |
| ✓ Hollies Church Branch | |
| ✓ Horse Hole Creek | |
| ✓ Indian Point | |
| ✓ Joynes Branch | |
| ✓ Killmontown Area | |
| ✓ Klondike Point | |
| ✓ Kusian Cove | |
| ✓ Lares Gut | |
| ✓ Leatherberry Creek | |
| ✓ Little Hell | |
| ✓ Locksville | |
| ✓ Matchotank Creek | |
| ✓ Morris Branch | |
| ✓ Mount Nebo | |
| ✓ Mount Prospect Neck | |
| ✓ Nandua Creek | |
| ✓ Nandua Wharf | |
| ✓ Onancock | |
| ✓ Onancock Creek | |
| ✓ Onley Point | |
| ✓ Parkers Creek | |
| ✓ Parkers Island | |
| ✓ Parkers Marsh | |
| ✓ Pocomoke Sound | |
| ✓ Poplar Cove | |

*Moore
? Middle Marsh*

Remarks.

Decisions

1		376757
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		376758 USGB
13		"
14	Pending with USGB	" U.S.G.B
15	Pending with USGB	" "
16	<i>not shown on compilation (Index)</i>	"
17		"
18	Pending with USGB	" U.S.G.B
19		"
20		"
21	Pending with USGB	" U.S.G.B
22		"
23		"
24		"
25		"
26		"
27		"
M 234		

GEOGRAPHIC NAMES

Survey No. T-8169

FUNGOTEAGUE quadrangle
No. 1

Name on Survey

	A	B	C	D	E	F	G	H	K	
<u>Bohtown</u> ✓	✓									1
<u>Savageville</u> ✓	✓									2
<u>Dahl Swamp</u> ✓	✓									3
<u>Dinglers Mill</u> ✓	✓									4
<u>Mount Nebo</u> ✓	✓									5
<u>Locksville</u> ✓	✓									6
<u>Bull Branch</u> ✓	✓									7
<u>Little Hell</u> ✓	✓									8
<u>Moore Branch</u> ✓	✓									9
<u>Hollies Church Branch</u> ✓	✓									10
<u>Killmontown Area</u> ✓	✓									11
<u>Fungoteague</u> ✓	✓									12
<u>Nandua Creek</u> ✓	✓									13
<u>Nandua Neck</u> ✓	✓									14
<u>Hacksneck</u> ✓	✓									15
<u>Back Creek</u> ✓	✓									16
<u>Harborton</u> ✓	✓									17
<u>Butcher Creek</u> ✓	✓									18
<u>Boggs Wharf</u> ✓	✓									19
<u>Evans Wharf</u> ✓	✓									20
<u>Hacks Neck</u> ✓	✓									21
<u>Kusian Cove</u> ✓	✓									22
<u>Coocheyville</u> ✓	✓									23
<u>Taylor Creek</u> ✓	✓									24
<u>Yeo Neck</u> ✓	✓									25
<u>Warehouse Wharf</u> ✓	✓									26
<u>Warehouse Prong</u> ✓	✓									27

Remarks

Decisions

1		376758
2		"
3		"
4		"
5		"
6		"
7		" USGB
8	Name OK. if it exists.	"
9		"
10	Apply this name pending USGB decision with respect to Sluitkill Neck	" U.S.G.B
11	Re-submitted to USGB	" USGB (re-affirmed)
12	" "	" USGB "
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		USGB
21		377757
22		"
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8169

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,	
Horse Hole Creek ✓	✓								1
Smithville ✓	✓								2
Buckland Gut ✓	✓								3
Hancock Gut ✓	✓								4
Bluff Point ✓	✓								5
Warehouse Point ✓	✓								6
Pungoteague Creek ✓	✓								7
X Middle Marsh ✓ (small island) not shown									8
Scarborough Island ✓	✓								9
Sluiceway ✓	✓								10
Prospect Neck ✓	✓								11
Underhill Creek ✓	✓								12
Tarkill Creek ✓	✓								13
Crockett Town ✓ (scattered settlement, about 24 houses)									14
Scott Store ✓	✓								15
Klondike Point ✓	✓								16
West Point ✓	✓								17
Finneys Island ✓	✓								18
Chandler Marsh ✓	✓								19
The Sandhill ✓ (islet)	✓								20
Chesapeake Bay ✓	✓								21
Onancock ✓	✓								22
Finneys Wharf ✓	✓								23
Cedar Creek ✓	✓								24
Poplar Cove Wharf ✓	✓								25
Joynes Branch ✓	✓								26
X Mount Prospect Neck ✓ name shown T-8441 (Accomac)									27
Titlow Creek ✓	✓								28

T-8169

No. 3
Decisions

Remarks

1		377757
2		"
3		"
4		"
5		"
6		377758
7		"
8	<i>not on completion (Address)</i>	"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		378758-60
26		Railway Guide
27	Officially adopted spelling	
M 234		

GEOGRAPHIC NAMES

Survey No. T-8169

No. 3

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	
✓ Onley Point	✓								1
✓ Poplar Cove	✓								2
✓ Leatherberry Creek	✓								3
✓ Bailey Neck	✓								4
✓ Bailey Point	✓								5
✓ Chesconessex Creek	✓								6
✓ Onancock Creek	✓								7
✗ Back Creek	✓ (north side Onancock Creek)								8
✓ Finneys Creek	✓								9
✓ Cashville	✓								10
✓ Thicket Point	✓								11
✓ Matchotank Creek	✓								12
✓ Coffin Point	✓								13
✓ Parkers Island	✓								14
✓ Lares Gut	✓								15
✓ Indian Point	✓								16
✓ Broadway Landing	✓								17
✓ Broadway Neck	✓								18
✓ Thicket Creek	✓								19
✓ Parkers Creek	✓								20
✓ Finneys Neck	✓								21
✓ Ware Point	✓								22
✓ Parkers Marsh	✓								23
✓ Sound Beach	✓								24
✗ Pocomoke Sound	name shown								25
✓ Pennsylvania R.R.									26
✓ Accomack County									27

T-8169

No. 4

Remarks.

Decisions

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GEOGRAPHIC NAMES

Survey No. T-8169

No. 4

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>U.S. Highway No. 13</u>									1
<u>State Highways Nos.</u>	609	619	620	626	627	628	637	638	2
<u>county ???</u>	634	635	639	640	641	642	643	631	3
	632	630	653	654	655	657	658	718	4
	723	734	178	180					5
<u>Bay Side Road</u>									6
									7
									8
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Names underlined in red approved
by L. Heck on 5/28/43

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~~ ^{published quadrangle} ~~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, ~~marsh, 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.

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.8278-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 templets) 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 ~~Bureau of~~ 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-8169

PUNGOTEAGUE 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 Refer to the Descriptive Report for quadrangle T-8172 for a copy of the results of the nearest horizontal accuracy test.

The nearest vertical accuracy test was performed on the field edit sheet for quadrangle T-8166.

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-307	1:20,000	1850	
T-308	1:20,000	1850	
T-868	1:20,000	1862	
T-26 54	1:20,000	1903	
Onancock	1:62,500	1919	U.S.E.

Comparison with Nautical Charts No. 1223

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:

Only minor changes were apparent during comparison of this chart with the quadrangle.

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

Only minor corrections were necessary during the review of this quadrangle.

Reviewed 4/10/43 By Peter Kest
under direction of D. H. Benson *per J.H.S.*

Inspected by B. G. Jones *B.G. Jones*

Examined and approved:

Charles Price
~~Chief~~, Surveys Branch

K.T. Adams
Chief, Topography Section

J.B. Borden
Chief, Div. of Charts

G.F. Rude
Chief, Div. of Coastal
Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO.

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.