

8162

8162

Form 504 Rev. June 1941	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Air Photographic Plane Table Hydrographic	Sheet Survey No. T-8162 (Field)
MARYLAND-VIRGINIA GREAT FOX ISLAND QUADRANGLE N3752.5-W7552.5/7.5	
LOCALITY	
State Maryland	
General locality Tangier Sound	
Locality South portion Smith Island, Great Fox Island and Janes Island	
1942	
CHIEF OF PARTY Lieut. Comdr. F.L. Gallen. Lieut. Comdr. Kenneth G. Crosby	

U. S. GOVERNMENT PRINTING OFFICE 815551

March 29, 1945

## DATA RECORD

T- 8162

Quadrangle (II): ~~Fox Island~~ *Great Fox Island*

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

Field Office: Salisbury, Md.

Chief of Party: F. L. Gallen

Compilation Office: Tampa

Chief of Party: K. G. Crosby

Instructions dated (II III):  
Mar. 4, Mar. 27, Aug. 13, 1942.Copy filed in Descriptive  
Report No. T- (VI)

Completed survey received in office: 10/5/42

Reported to Nautical Chart Section: 10/4/42

Reviewed: 3/23/43 Applied to chart No. Date:

Redrafting Completed: 5/28/43

Registered: 3/28/44 Published: 11/13/43

Compilation Scale: 1:20,000 Published Scale: 1:24,680.

Scale Factor (III): Unity

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

Reference Station (III): HORSE HAMMOCK 1898 (Va.)

Lat.: 37°-57' 11.741 (362.0) Long.: 75° 59' 37.958 (926.7) ~~Adjusted~~  
UnadjustedState Plane Coordinates (VI): ~~To be added when received.~~  
*Maryland State coordinate system (single zone)*

X =

Y =

*Virginia State coordinate system (south zone)**x =*  
*y =**Plane coordinates for this  
station are not available.*  
*J.A.L.*

Military Grid Zone (VI) A

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8979	4/18/42	2:34 P.M.	1:20,000	1.6 ft.
8980	4/18/42	2:36 P.M.	"	1.6
8985	4/18/42	2:52 P.M.	"	1.6

Tide from (III): James Island Light - Chesapeake Bay, Md.

Mean Range: 1.8 Spring Range: 2.2

Camera: (Kind or source) U.S.C. & G. S. 9 lens

Field Inspection by: J.C. Lajoie, H.B. Hancock	1942 date: May June July
Field Edit by: John R. Evans	date: Oct. 1942

Date of Mean High-Water Line Location (III): 4/18/42

Projection and Grids ruled by (III) Washington	date:
" " " checked by: Washington	date:
Control plotted by: L.C.B.	date: Aug. 1942
Control checked by: A.L.K.	date: " "
Radial Plot by: Tampa Office	date: July, Aug. 1942
Detailed by: A.L.K., J.A.G., V.F.S.	date: July 1942
Reviewed in compilation office by: J.A.G.	date: Sept. 1942
Elevations on Field Edit Sheet checked by: None on manuscript	date:

### STATISTICS (III)

Land Area (Sq. Statute Miles):	5.5
Shoreline (More than 200 meters to opposite shore):	23.5
Shoreline (Less than 200 meters to opposite shore):	14.0
Number of Recoverable Topographic Stations established:	7
Number of Temporary Hydrographic Stations located by radial plot:	none
Leveling (to control contours) - miles:	none

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:



*Mr. Jones*

28-MER  
750 eg

December 12, 1942

The Director  
U. S. Geological Survey  
Washington, D. C.

*T-8163*

Dear Sir:

Fox Island has been discontinued by your Bureau as the quadrangle name for the  $7\frac{1}{2}$  minute topographic map quadrangle identified by N3752.5/W7552.5.

A reconsideration of this name is recommended. The name was apparently taken from your 1:5,000 scale state map on which the name Fox Island appeared. A revision of your quadrangle map, Crisfield, will show that this group of Islands is correctly named thereon "Fox Islands". In addition, the Executive Committee of the U. S. Board on Geographical Names yesterday morning rendered a decision in favor of the name "Fox Islands" for this group of Islands.

I shall appreciate an early reply after this quadrangle name has been reconsidered.

Very truly yours,

**(Signed) L. O. COLBERT**

Director

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*28 KTA*  
*826*  
*1943 FEB 20 AM 9:00*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WASHINGTON

February 17, 1943.

MEMORANDUM of change in quadrangle name.

The  $7\frac{1}{2}$ -minute series quadrangle in Maryland-Virginia, index number H3752.5-W7552.5/7.5, originally known as CRISFIELD NW. and assigned the name of Fox Island on April 2, 1942, has been changed to GREAT FOX ISLAND.

*J. G. Staack*  
J. G. STAACK,  
Chief Topographic Engineer.

✓  
U. S. Coast and Geodetic Survey  
cc: Chief of Engineers (2 copies)  
Soil Conservation Service  
State Geologist,  
Charlottesville, Va.  
Mr. Zens

DESCRIPTIVE REPORT  
TO ACCOMPANY  
SHEET NO. T-8162

GENERAL

The general locality of the area covered by this sheet is in Maryland, Tangier Sound. The detailed area includes southeast portion of Smith Island, Great Fox Island and the southwest portion of <sup>JAMES</sup> James Island.

Practically all of the land area is marsh broken up with creeks and small ponds. A narrow sand beach extends along the west shoreline of <sup>JAMES</sup> James Island from Island point north to the limits of the sheet, 38° 00', and south of <sup>JAMES</sup> James Island from Great Point to about 900 meters south of Fishing Creek.

U.S.C. & G.S. chart No. 1224 shows two small Islands south of Great Fox Island and North of Little Fox Island. These Islands do not appear on the photographs.

CONTROL

Two triangulation stations, <sup>JAMES</sup> James Island Light, (Whose position is doubtful as it was rebuilt in 1936 and the new position may vary from original triangulation position) and Horse Hammock, established by J. B. Baylor in 1898, fall within the tracing limits of the sheet.

Δ BLIZZARD ID. RANGE, 1916, 1916

Δ OTTER, 1942

MAIN RADIAL PLOT

The radial plot for this sheet is part of two main radial plots. These two plots are described in the descriptive reports for sheets T-8161 and T-8163.

*A re-plot was made in Washington office covering survey sheets T-8161, T-8162, T-8163, T-8164 as a single unit resulting in considerable change in position of detail in parts*  
INTERPRETATION OF PHOTOGRAPHS of the above sheets. d.h.b. 2/18/43

The photographs were clear and no special trouble was experienced in their interpretation.

FIELD INSPECTION

The field inspection was made by John C. Lajoie in July 1942, and Douglas B. Hancock in May and June 1942.

Some difficulty was experienced due to lack of completeness of field inspection.

JUNCTIONS

This sheet joins sheet T-8150 on the north, T-8161 on the east, T-8164 on the south and T-8163 on the west. All junctions are in good agreement.

GEOGRAPHIC NAMES

The geographic names on this sheet were taken from U. S. Coast & Geodetic Survey chart No. 1224.



LANDMARKS FOR CHARTS

The position of a stack and ten non-floating aids to navigation are listed on attached form 567. *Note: The 567 form submitted by the compilation office was superseded by a list submitted by the field edit party Nov. 2, 1962.*

Respectfully submitted,

*Vincent F. Simmons*  
Vincent F. Simmons,  
Jr. Engineering Draftsman

Forwarded by:

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

FIELD EDIT REPORT  
T-8162  
Project CS-278-C  
F.L.Gallen, Chief of Party

5. See report T-8161

10. Triangulation Station WATKINS POINT (Maryland-Virginia Boundary) 1916 has been destroyed. Its geographic position has been shown on the map manuscript to locate the boundary. Watkins Point Rear Range Beacon in the very near vicinity is probably intended to mark the boundary. This structure is in very poor condition, and will probably wash out in the near future.

The locations of lights and beacons in the Big Thorofare were checked and found to be within the limits of accuracy required for the map manuscripts.

11. See form 567 - Landmarks for Charts.

12. The H & T Station "SOM 1942", which was located by a sextant fix was found to be in error. The new position was plotted, scaled and submitted on a new H & T card. The reason for mislocation was the change in position of James Island Lighthouse which was used as a station.

14. No roads appear on this manuscript.

15. No bridges appear on this manuscript.

17. The Maryland-Virginia Boundary was plotted from the text "Triangulation in Maryland" by H. C. Mitchell. *Corner "A" incorrectly plotted and corrected in Washington office by reviewer.*

The political districts were obtained from State Highway Maps of Maryland and Virginia.

18. Geographic names were taken from the special report CS-278-C North, submitted by A. J. Wraight, Photogrammetric Aid.

46. All additions, deletions and corrections were made on the map manuscript and transferred to a smooth copy after completion of the field work.

The inking on field edit maps was done in accordance with the following scheme:

<u>FEATURES</u>	<u>COLORS</u>
Additions, bench marks,	Black
Wye level elevations, crosses	Green
Deletions	Brown
Contours, elevations by topo.	Blue
Drainage features	

47. The position of detail appears to be very good. Various points were occupied and the position was determined from geodetic control (three point problem). These determined positions, corresponded closely with plotted detail. \*

47. It is believed the plane table work constitutes a horizontal accuracy check. A traverse was run in quads T-8159 and T-8167 for the purpose of checking the horizontal accuracy.

Submitted by

John R. Evans  
John R. Evans,  
Junior Topographic Engineer

Approved:

F. L. Gallen

F. L. Gallen  
Chief of Party

\* A report of sheets T-8161, 8162, 8163, & 8164 showed large errors in position of south half of sheet T-8162.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

T-5162

## LANDMARKS FOR CHARTS

TO BE CHARTED } STRIKE OUT ONE  
TO BE DELETED }

PERMANENT AIDS TO NAVIGATION

Sallyport, Maryland Nov. 2, 1942

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. *E. J. K.*

*J. L. Gallon*

E. L. Gallon

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION							METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE		LONGITUDE			DATUM							
		O	I	D. M. METERS	O	I		D. P. METERS						
	WOLING COVE LIGHT	37	57	54.0 1815	75	52	37.0 352	N.A. 1927	1942	X		1224		
	GRIST POINT LIGHT	37	57	1726	75	54	102	"	"	X		1224		
	JACKSON ISLAND LIGHT	37	57	1433	75	55	156	"	"	X		1224		
	HIG THOROFARE LIGHT "1"	37	53	696	75	53	1137	"	Sextant	X		1224		
	HIG THOROFARE LIGHT "3"	37	53	165	75	59	431	"	"	X		1224		
	HIG THOROFARE BEACON "2"	37	53	475	75	53	43	"	"	X		1224		
	HIG THOROFARE BEACON "4"	37	53	230 437	75	53	394	"	Plane-table	X		1224		
	HIG THOROFARE BEACON "6"	37	53	160	75	53	543	"	Sextant	X		1224		
	HIG THOROFARE BEACON "8"	37	53	116	75	59	703	"	"	X		1224		
	HIG THOROFARE BEACON "10"	37	53	143	75	59	911	"	"	X		1224		
	HIG THOROFARE BEACON "12"	37	53	200	75	59	1115	"	"	X		1224		
	HIG THOROFARE BEACON "14"	37	53	306	75	59	1319	"	"	X		1224		
	WATKINS POINT RAISED LIGHT BEACON	37	54	1274	75	52	1434	"	Plane-table	X		1224		

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.



## LANDMARKS FOR CHARTS

November 2, 1942

1854  
1942

T. L. Callen

[illegible]

U. S. GOVERNMENT PRINTING OFFICE 16-27869-7



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

Sheet T-8162  
List of Permanent (Non-Floating) Aids to Navigation

LANDMARKS FOR CHARTS

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

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.

Tampa, Florida

July 18, 1942

19

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

GENERAL LOCALITY	Chesapeake Bay, Maryland	NAME AND DESCRIPTION	POSITION				METHOD OF LOCATION	DATE OF LOCATION	CHARTS AFFECTED			
			LATITUDE		LONGITUDE				D. M. METERS	D. P. METERS	D. M. METERS	D. P. METERS
			°	'	°	'						
		Stack (Somers Cove)	37 58	378	75 53	557	N.A. 1927	Radiol Plot	1942	X	1224	
		Somers Cove Light	37 57	1824	75 52	969	"	"	"	X	1224	
		Big Thorofare Light No. 1	37 58	696	75 58	1137	"	Sextant	"	X	1224	
		Big Thorofare Bn. No. 2	37 58	475	75 59	48	"	"	"	X	1224	
		Big Thorofare Light No. 3	37 58	165	75 59	431	"	"	"	X	1224	
		Big Thorofare Bn. No. 4	37 58	216	75 59	396	"	"	"	X	1224	
		Big Thorofare Bn. No. 6	37 58	160	75 59	548	"	"	"	X	1224	
		Big Thorofare Bn. No. 8	37 58	116	75 59	208	"	"	"	X	1224	
		Big Thorofare Bn. No. 10	37 58	148	75 59	911	"	"	"	X	1224	
		Big Thorofare Bn. No. 12	37 58	200	75 59	1115	"	"	"	X	1224	
		Big Thorofare Bn. No. 14	37 58	506	75 59	1319	"	"	"	X	1224	

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 NAMES LIST FOR QUAD. T-8162

✓ Accomack County  
 ✓ Anderson Creek  
 ✓ Barnes Cove  
 ✓ Big Ledge Island  
 ✓ Big Thorofare  
 ✓ Bulls Point  
 ✓ Cedar Island Creek  
 ✓ Cedar Island Marsh  
 ✓ Cedar Straits  
 ✓ Clump Island  
 ✓ Cow Point  
 ✓ Cow Point Creek  
 ✓ Does Hummock  
 ✓ Drum Point  
 ✓ Ellinger Cove  
 ✓ Fishing Creek  
 ✓ Fox Islands  
 ✓ Great Fox Island  
 ✓ Great Island  
 ✓ Great Point  
 ✓ Great Point Pond  
 ✓ Green Harbor Island  
 ✓ Green Straights — not in Names Report  
 ✓ Horse Hammock  
 ✓ Horse Hammock Gut  
 ✓ Horse Hammock Point  
 ✓ Blizzard Island  
 ✓ Island Point  
 ✓ James Island Gut  
 ✓ James Island  
 ✓ James Island L. H.  
 ✓ Jones Creek  
 ✓ Little Annemessex River  
 ✓ Little Ledge Island  
 ✓ Little Thorofare  
 ✓ Long Point  
 ✓ Lower Horse Hammock Ditch  
 ✓ Maryland Bdry. Line  
 ✓ Middle Horse Hammock Ditch  
 ✓ Muddy Creek  
 ✓ Old House Cove  
 ✓ Old House Gut  
 ✓ Otter Island  
 ✓ Piney Island  
 ✓ Planner Cove  
 ✓ Pond Creek  
 ✓ Reach Hammock

✓ Rock Creek  
 ✓ Sandy Creek  
 ✓ Smith Island  
 ✓ Somerset County  
 ✓ Somers Cove L.H.  
 ✓ Tangier Sound  
 ✓ Thorofare Island  
 ✓ Twitch Cove  
 ✓ Upper Horse Hammock Ditch  
 ✓ Virginia Boundary Line  
 ✓ Watkins Point  
 ✓ Welridge Creek  
 ✓ Little Thorofare

Add:  
 The Prong

Mr. Heck

Please locate following names;

on compilation  
 ✓ Anderson Creek  
 ✓ Barnes Cove  
 Bulls Point

✓ Cow Point Creek  
 ✓ Great Island  
 Green Straights

name list  
 ✓ James Island Gut  
 ✓ Piney Island



## Remarks

## Decisions

1		378758-60
2		"
3	<del>Not on compilation</del> ✓	"
4	Since the name of the new quadrangle is FOX ISLAND,	"
5	and there is no Fox Island, case referred to USGB	"
6	for action, especially whether quadrangle name	"
7	should not be Fox Islands	"
8		"
9	This name may no longer be needed, since the is-	NOT on compilation
10	lands south of Great Fox I. are now washed away	KSa
11	(see note on compilation)	"
12		"
13		"
14	This spelling approved by Virginia Legislature	"
15	in January, 1940.	"
16	Apply Janes Island pending USGB decision regarding	"
17	reported local usage of JAMES Island	379758-59
18		"
19		USGB
20		"
21		"
22		"
23	See line 12, above	"
24		USGB
25		"
26		"
27		"
28		"
29		"
30		"
31		"
32	Apply Blizzard Island pending USGB action with	"
33	respect to former name House Island	"
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# GEOGRAPHIC NAMES

Survey No. T-8162

FOX ISLAND 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
✓ Tanzier Sound	✓								1
✓ Big Ledge Island	✓								2
✓ Little Ledge Island	?								3
✓ Great Fox Island	✓								4
✓ Fox Islands	✓	Fox Islands for group - U.S. & B. decision 12/11/42							5
✓ Planner Cove	✓								6
✓ Little Thorofare									7
✓ Reach Hammock	✓								8
✓ Thorofare Island	✓								9
✓ Piney Island	✓								10
✓ Accomack County	✓								11
✓ James Island	✓	James Island - U.S. & B. decision 12/11/42							12
✓ Little Annemessex River	✓								13
✓ Somers Cove Lighthouse	LT								14
✓ Long Point	✓								15
✓ Old House Cove	✓								16
✓ JAMES Island Lighthouse	LT								17
✓ Watkins Point	✓								18
✓ Green Harbor Island	✓								19
✓ Cedar Straits	✓								20
✓ Boes Hammock	✓								21
✓ Clump Island	✓								22
✓ <del>House Island</del> <del>Blizard Island</del> House I.		House I. - U.S. & B. decision 12/11/42							23
✓ Ellinger Cove	✓								24
✓ Horse Hammock Point	✓								25
✓ Horse Hammock	✓								26
✓ Rock Creek	✓								27



## Remarks.

## Decisions

1		379760/59
2	Conflict between Big and Great Island reported by field party and case submitted to USGB, but	379758-759
3	feature apparently omitted from compilation & it no longer exists.	"
4	Big Thorofare/Big Thorofare River pending with USGB: apply Big Thorofare pending decision	" (U.S.G.B.)
5		"
6		(379760)
7		"
8		"
9		"
10		"
11		"
12		"
13	Shown as Lt. only on Naut chart 1229 - Revised (Deleted) from Names on plate 3-43 H.A.	"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		
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# GEOGRAPHIC NAMES

Survey No. T-8162

No. 2

Name on Survey

	A	B	C	D	E	F	G	H	K	
✓ Smith Island	✓									1
✓ <del>Oran</del> <del>Alma</del> <del>Bay</del> Island		?		<u>Thorofare I.</u>						2
✓ Otter Island	✓									3
✓ Big Thorofare	✓									4
✓ Jones Creek	✓									5
✓ Horse Hammock Gut	✓									6
✓ Lower Horse Hammock Ditch	✓									7
✓ Middle Horse Hammock Ditch	✓									8
✓ Upper Horse Hammock Ditch	✓									9
✓ Island Point	✓									10
✓ Old House Gut	✓									11
✓ Great Point	✓									12
✓ <sup>L.T.</sup> Great Point Lighthouse										13
✓ Sandy Creek	✓									14
✓ Cow Point	✓									15
✓ Great Point Pond	✓									16
✓ Muddy Creek	✓									17
✓ Sand Creek	✓									18
✓ The Ponds	✓									19
✓ Cedar Island Marsh	✓									20
✓ Fishing Creek	✓									21
✓ Cedar Island Creek	✓									22
										23
7 Following names can be applied only after receipt of name sheets:										24
7 Anderson Creek	✓									25
7 Bulls Point	✓									26
7 Cow Point Creek	✓									27

## Remarks

## Decisions

1		
2	U.S.G.B. decision 12/11/42	
3		
4	USGB decision 12/11/42	
5		579758-759
6		"
7		"
8	Correct to <u>Wellridge</u>	"
9		"
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# GEOGRAPHIC NAMES

Survey No. T-8162

No. 3

Name on Survey

	A.	B.	C.	D.	E.	F.	G.	H.	K.	
✓ <u>Green Straits</u>	✓									1
✓ <u>James Nor Naven Island Cut</u>		✓								2
										3
<u>Approved names, continued</u>										4
✓ <u>Smith Cove</u>	✓									5
✓ <u>Little Thorofare</u>	✓		(Smith Island)							6
✓ <u>Drum Point</u>	✓									7
✓ <u>Wellridge Creek</u>	✓									8
✓ <u>Barnes Cove</u>										9
										10
										11
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										27

Names underlined and approved  
by L. Heck on 11/14/42

## 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, ~~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.S.278-G 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 ~~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-8162

GREAT FOX ISLAND 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 pages 3 and 4 of the Descriptive Report for quadrangle T-8159 for a copy of the results of the nearest horizontal accuracy test.

As the land area within the limits of this quadrangle is less than 20 ft. above mean sea level (the maximum elevation is 2 ft.), no vertical accuracy test was required.

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-271	1:20,000	1849
T-272	1:20,000	1849
T-2380	1:9,600	1895
T-2551	1:20,000	1901
T-2556	1:20,000	1901
T-2695	1:20,000	1905
Crisfield	1:62,500	1900 U.S.G.S.

Comparison with Nautical Charts No. 1224

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 in shoreline were apparent during comparison of the chart with this manuscript.

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

Investigation of the radial plot during review revealed gross errors in the position of detail in the south and southeast portions of this quadrangle, some points showing errors of from 40.0 to 45.0 <sup>meters</sup> ~~mm~~. Further investigation showed that this quadrangle was originally compiled from two separate plots which had never been properly tied together, due to the wide expanse of water (Tangier Sound), and the sparsity of control between the two plots. A new plot was laid including all of this quadrangle, and the southern portion was recompiled.

Reviewed 3/23/43 By Douglas H. Benson  
under direction of D. H. Benson *per J. H. S.*

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

Examined and approved:

Charles Pierce  
Chief, Surveys Branch

K. T. Adams  
Chief, Topography Section

J. S. Borden  
Chief, Div. of Charts

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