

# 8163

33100

Form 504  
Rev. June 1941  
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT

Air Photographic } Sheet  
Plane Table } Survey No. T-8163  
Hydrographic } (Field)

MARYLAND -  
VIRGINIA  
EWELL QUADRANGLE  
N3752.5-W7600/7.5

### LOCALITY

State Maryland & Virginia

General locality Chesapeake Bay

Locality Smith Island

194 2

CHIEF OF PARTY  
Lieut. Comdr. F. L. Gallen  
Lieut. Comdr. Kenneth G. Crosby

U. S. GOVERNMENT PRINTING OFFICE 316551

March 5, 1945

Completely applied to 1223 (Reconst.) after review - jpw 11/6/51  
applied to Ch 555 3/6/53 jpw

" " " 1224 Reconst. 1950-1 Frey's Section  
Applied to Ch 568 - jpw 1/11/54



## DATA RECORD

T- 8163

Quadrangle (II): Ewell

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

Field Office: Salisbury, Md.

Chief of Party: F. L. Gallen

Compilation Office: Tampa, Fla. 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: 9/21/42

Reported to Nautical Chart Section: ✓ 9/42

Reviewed: 3/13/43 Applied to chart No. Date:

Redrafting Completed: 5/27/43

Registered: 3/2/45

Published: 11/13/43

Compilation Scale: 1:20,000

Published Scale: 1:31,680

Scale Factor (III): Unity

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

Reference Station (III): EWELL

Lat.: 37-59-43.640 (1345.5) Long.: 76-02-23.145 (564.8) Adjusted  
~~Unadjusted~~State Plane Coordinates (VI):  
Maryland gridX = 1,076,742.96  
Virginia grid. South zone

Y = 60,497.23

X = 2,208,936.07

Y = 614,410.30

Military Grid Zone (VI) A



PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8978	4-18-42	2:32	1:20,000	1.5
8979	"	2:34	"	1.5
8980	"	2:36	"	1.5

*above L. Water*

Tide from (III): Solomons Lump Light, Chesapeake Bay Md.

Mean Range: 1.7

Spring Range: 2.0

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

Field Inspection by: John C. Lajoie

date: June 1942

Field Edit by: O. C. Rector

date: Oct. 1942

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

Projection and Grids ruled by (III) Wash. Office

date:

" " " checked by: Washington Office

date:

Control plotted by: J. E. H.

date: July 1942

Control checked by:

date:

Radial Plot by: Tampa Office

date: July, Aug.

Detailed by: L.C.B. & R. D.

date: July

Reviewed in compilation office by: C.A.J.P.

date: Sept.

Elevations on Field Edit Sheet  
checked by: No wye levels

date:



### STATISTICS (III)

Land Area (Sq. Statute Miles): 11.6

Shoreline (More than 200 meters to opposite shore): 21.6

Shoreline (Less than 200 meters to opposite shore): 23.0

Number of Recoverable Topographic Stations established: 10

Number of Temporary Hydrographic Stations located by radial plot:

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:



DESCRIPTIVE REPORT  
TO ACCOMPANY  
SHEET NO. T-8163

GENERAL

This sheet was compiled in accordance with "Instructions for Defense Mapping, Project CS-278", dated March 4, 1942.

The general locality of the area covered by this Survey Sheet is Chesapeake Bay, in the vicinity of Smith Island, including Big Thoro-fare and the Tyler River.

The terrain is generally marshy, with occasional sand spots. The towns of Ewell, Rhodes Pt. and Tylerton are situated on higher ground which should not be drafted as marsh.

The shoreline along Chesapeake Bay, on the west, has been shown with a fixed shoreline, due to a sand ridge that appears on the photographs.

The few roads that appear on this sheet have been labeled "road" only. Their classification has been ignored on the map drawing since they were not classified in the preliminary field inspection. They are local roads only and their classification should be determined when the field edit survey is made. These roads also cross various waterways, apparently by either ferry or ford, but in very few instances by bridge. The method of crossing should also be determined by the field edit survey party.

*See  
Lampy  
No. 50  
Field Edit  
Report*

There are no cultivated areas within the limits of this sheet.

Approximate mean low water is shown by dotted lines.

All roads should be shown 30 feet wide.

CONTROL

Control on this map drawing consists of the following triangulation stations:

<u>NAME OF STATION</u>	<u>DATE</u>	<u>ESTABLISHED BY</u>
Ewell	1934	J. Bowie, Jr.
Ewell, M.E. Church Spire	1942	W. D. Patterson
Calvary M.E. Ch. Spire	1942	W. D. Patterson
Smith I, back Range	<del>1942</del> 1916	<del>W. D. Patterson</del> L. A. POTTER
Smith I, Light	1942	W. D. Patterson

INTERPRETATION OF PHOTOGRAPHS

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

MAIN RADIAL PLOT

A continuous radial plot was run on July 15, 1942, for the purpose of locating all photograph centers, all hydrographic and topographic stations, bench marks, azimuth marks and radial points. The plot extended over the



entire area covered by quadrangles 34, 35 and 50, (Sheets T-8133, 8134 & 8150).

The plot consisted of 13 templates, made in accordance with "Notes on Radial Plotting of Nine-Lens Photographs", dated April 9, 1940.

Practically all templates were rigidly fixed by control furnished by previously established triangulation or traverse.

Agreement along the flight line was excellent and the intersection of radial lines to photograph centers on adjacent flight lines was good.

The usual practice of laying a plot was followed. Control was plotted on the survey sheets and transferred to the base grids by matching individual grid squares. There were only slight adjustments necessary when making the transfers. Prior to the laying of the first template, the base grids were securely taped to the plotting table, allowed to remain for 24 hours, and adjusted for any movement that had occurred. All points located by the radial plot were transferred and checked on the survey sheet by matching individual grid squares.

Various colored inks were used on the photographs and the survey sheet to designate triangulation stations, traverse stations, topographic and hydrographic stations, etc. The following key is furnished for reference:

#### Photographs

Triangulation & Traverse Stations.....	2.5 m.m. blue circle
Hydro & Topo Stations.....	2.5 m.m. green circle
Radial Points in Main Plot.....	2.5 m.m. red circle
Radial Points (Additional).....	3.5 m.m. red circle
Photograph Centers.....	Double White circle

#### Survey Sheet

Triangulation and Traverse Stations.....	3.5 m.m. high black triangle
Hydro and Topo Stations.....	2.5 m.m. black circle
Radial Points on Main Plot.....	2.5 m.m. purple circle on back of sheet
Radial Points (Additional).....	3.5 m.m. purple circle on back of sheet
Photograph Centers.....	Double purple circle on back of sheet.

#### DETAILING

The detailing of this sheet has been done in accordance with the current instructions for this project.

Before detailing, the surface of this sheet was rubbed with magnesium carbonate and washed off. No additional cleaning was necessary and no re-inking has been required.

The stereoscope was used in "picking" detail not covered by field notes.

All buildings visible under the stereoscope have been shown.

#### JUNCTIONS

This sheet forms a junction on the North with Sheet T-8149 and on the

\* During review of T-8162 it was found that this plot did not check with photographs and adjoining plot to east & south. A new combined plot was made in Washington office resulting in corrections to general islands on south part of T-8163 (1/2 meters in case of Fishbone Id.)



East with Sheet T-8162 and both junctions are in agreement.

NON-FLOATING AIDS

A list of Non-Floating aids are attached to this report on Form 567.

LANDMARKS

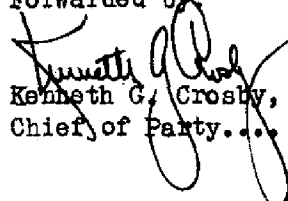
~~There are no outstanding landmarks in the limits of this sheet.~~

*see attached  
form 567  
& Field Edit*

Respectfully submitted,

  
Rudolph Dossett  
Senior Photogrammetric Aid

Forwarded by:

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



FIELD EDIT REPORT  
Quadrangle No. T-8163  
Project CS-278-C

46. The field edit on this quadrangle consisted of a visual inspection from the Launch "EISLE III". Hand level observations were made to determine the elevation of the marshy islands. The time and date of these sights were noted and the stage of tide determined from the tide tables. There is no ground elevation over 3 feet on the quadrangle.

Deletions are shown in green ink and additions in black ink. Boundaries are shown in purple ink.

47. The compilation is complete.
48. There are no vertical or horizontal accuracy tests on this quadrangle. See reports for quadrangles T-8108 and T-8133 for the nearest horizontal test.

There is no bench mark on this quadrangle. Due to the low marshy character of the ground, and due to the expense involved, it is believed that the establishment of a bench mark is not warranted.

49. The lights and beacons shown with red circles were plotted from sextant fixes taken at the time of the field inspection. The fixes are recorded on picking cards, and it is recommended that the plotting be checked in the Washington Office. The recording of the fix at Big Thorofare West Light No. 2 was apparently reversed, and the plotting of this light should by all means be checked. The lights and beacons shown with black circles were located with planetable cuts.

\* The light was located  
by planetable on the  
field edit sheet. The  
position plotted from sextant  
fix was ~~deleted~~ deleted  
by the field edit. *MM*

Submitted by

*C.O. Rector*

C.O. Rector,  
Photogrammetric Aid

Approved by:

*F. L. Gallen*

F. L. Gallen  
Chief of Party

50. The only crossing over any of the waterways is by bridge. They are classified and shown on the manuscript. If no bridge is shown it is impossible to cross the waterway even on foot.





DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

T-8163

Chart letter 581  
1942

TO BE CHARTED  
~~NO BE CHARTED~~ STRIKE OUT ONE

LANDMARKS FOR CHARTS  
PERMANENT AIDS TO NAVIGATION  
Salisbury, Md.

Oct. 28, 1942

I recommend that the following objects which have (Name) been inspected from seaward to determine their value as landmarks, be charted on (Reference) the charts indicated.

The positions given have been checked after listing.

F. L. Galien

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION		DATUM	METHOD OF LOCATION	DATE OF LOCATION	CHARTS AFFECTED		
		LATITUDE	LONGITUDE				HARBOR CHART	INSHORE CHART	OFFSHORE CHART
		° ' "	° ' "						
		D. M. METERS	D. P. METERS						
1932 light	Big Thorofare River West Light #2	37 59 57.5	76 03 28.4	N.A. 1927	Plans - table	1942	X		1224
1940	Big Thorofare River West Light #11	37 59 1660.0	76 02 210.0	"	Sextant	"	X		1224
1940	Big Thorofare River West Light #37	37 59 1500.0	76 01 892.0	"	"	"	X		1224
1947	Big Thorofare Light #35	37 59 1492.0	76 01 450.0	"	"	"	X		1224
1948	Big Thorofare Light #31	37 59 964.0	76 00 1252.0	"	"	"	X		1224
1937	Tyler River Beacon #1	37 59 812.0	76 01 94.0	"	"	"	X		1224
1935	Tyler River Light #3	37 59 650.0	76 01 216.0	"	"	"	X		1224
	Tyler River Beacon #5	37 59 402.0	76 01 252.0	"	"	"	X		1224
	Tyler River Beacon #7	37 59 120.0	76 01 270.0	"	"	"	X		1224
	Tyler River Beacon #9	37 58 1540.0	76 01 268.0	"	"	"	X		1224
	Tyler River Light #11	37 58 1150.0	76 01 294.0	"	"	"	X		1224
	Tyler River Beacon #13	37 58 606.0	76 01 545.0	"	"	"	X		1224
	Big Thorofare Beacon #15	37 58 508.0	76 00 50.0	"	"	"	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.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

T-8163

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

**LANDMARKS FOR CHARTS**  
**PERMANENT AIDS TO NAVIGATION**  
Sallisbury, Md.

October 28, 1942

Chart Letter 581  
1942

I recommend that the following objects which have (been) been inspected from seaward to determine their value as landmarks, be charted on (the) the charts indicated.  
The positions given have been checked after listing.

F. L. Gallen

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION		DATUM	METHOD OF LOCATION	DATE OF LOCATION	CHARTS AFFECTED		
		LATITUDE	LONGITUDE				HARBOR CHART	INSHORE CHART	OFFSHORE CHART
		D. M. METERS	D. P. METERS						
	Big Thorofare Beacon 16	37 58 26.5 ✓	76 00 0.3 ✓	N.A. 1937	Plans-table	1942	X		1224
	Big Thorofare Beacon 17	37 58 35.8 ✓	76 00 15.4 ✓	"	"	"	X		1224
	Big Thorofare Beacon 19	37 58 39.4 ✓	76 00 43.3 ✓	"	"	"	X		1224
	Big Thorofare Beacon 20	37 58 45.9 ✓	76 00 37.5 ✓	"	"	"	X		1224
	Big Thorofare Beacon 21	37 59 3.8 ✓	76 00 38.5 ✓	"	"	"	X		1224
	Big Thorofare Light 23	37 59 13.1 ✓	76 00 39.4 ✓	"	"	"	X		1224
	Big Thorofare Beacon 25	37 59 16.6 ✓	76 00 37.7 ✓	"	"	"	X		1224
	Big Thorofare Beacon 27	37 59 22.6 ✓	76 00 39.4 ✓	"	"	"	X		1224
	Big Thorofare Beacon 29	37 59 28.9 ✓	76 00 46.6 ✓	"	"	"	X		1224
	Big Thorofare Beacon 33	37 59 38.2 ✓	76 01 17.2 ✓	"	"	"	X		1224
	Smith Island Light	37 59 51.5 ✓	76 03 176.4 ✓	"	Triangulation	"	X		1224

Although the positions are accurate enough for charting purposes, Note: The projection on the map manuscript did not reproduce. It was added in the field office.  
The D.M.s and D.P.s of all lights, beacons and landmarks, located by plane table, should be checked from the completed manuscript.

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.

Projection as added in field is correct so the scaling of D.M.s and D.P.s has not been checked in this office B.G.W.



**T-3163**

Chart letter 581  
1942

## LANDMARKS FOR CHARTS

~~DO NOT REMOVE~~  
~~THIS PAGE~~  
~~IT IS REQUIRED~~  
~~FOR THE~~  
~~COMPLETION~~  
~~OF THE~~  
~~FORM~~  
~~AND~~  
~~IT~~  
~~IS~~  
~~TO~~  
~~BE~~  
~~DELETED~~ } STRIKE OUT ONE

**Soldbury, Mr.**

Pct. 28, 1942

I recommend that the following objects which have ~~been~~<sup>been</sup> inspected from seaward to determine their value as landmarks, be ~~checked on~~ (deleted from) the charts indicated.

The positions given have been checked after listing.

784-00

F. J. 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 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.

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

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
**LANDMARKS FOR CHARTS**  
List of Permanent (Non-Floating) Aids to Navigation  
Sheet T-8163

1101 E. Broadway, Tampa, Fla. August 4, 1942, 193

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.

Lieut. Comdr. Kenneth G. Crosby

Chief of Party

GENERAL LOCALITY	Chesapeake Bay	NAME AND DESCRIPTION	POSITION				METHOD OF LOCATION	DATE OF LOCATION	CHARTS AFFECTED		
			LATITUDE		LONGITUDE				HARBOR CHART	INSHORE CHART	OFFSHORE CHART
			D. M. METERS	D. P. METERS	DATUM	LOCATION					
		Big Thorofofare W. Lt. #11	37 59 1660.0	76 02 210.0	N.A. 1927	Sextant Fix	1942	X		1224	
		Big Thorofofare Lt. #37	37 59 1500.0	76 01 892.0	"	"	"	X		1224	
		Big Thorofofare Lt. #35	37 59 1492.0	76 01 450.0	"	"	"	X		1224	
		Big Thorofofare Lt. #31	37 59 964.0	76 00 1252.0	"	"	"	X		1224	
		Tyler River Bn #1	37 59 812.0	76 01 94.0	"	"	"	X		1224	
		Tyler River Lt. #3	37 59 650.0	76 01 216.0	"	"	"	X		1224	
		Tyler River Bn. #5	37 59 402.0	76 01 252.0	"	"	"	X		1224	
		Big Thorofofare River W. Lt. #2	37 59 190.0	76 01 208.0	"	"	"	X		1224	
		Tyler River Bn. #7	37 59 120.0	76 01 270.0	"	"	"	X		1224	
		Tyler River Bn. #9	37 58 1540.0	76 01 268.0	"	"	"	X		1224	
		Tyler River Lt. #11	37 58 1150.0	76 01 294.0	"	"	"	X		1224	
		Tyler, River Bn. #13	37 58 606.0	76 01 545.0	"	"	"	X		1224	
		Big Thorofofare River Bn. #15	37 58 508.0	76 00 50.0	"	"	"	X		1224	

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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 T-8163

Amen Corner  
Bare Marsh  
Big Thoroughfare  
Chaisey Point  
Cheesman Islands  
Cheesman Point  
Easter Point  
Swell  
Fishbone Island  
Fishing Creek  
Fishing Creek Marsh  
Frances Gut  
Goose Harbor Cove  
Great Pond(R) (The Gully)  
Herring Island  
Hog Neck  
Hunter Gut  
Indian Creek  
Jones Creek  
Juggling Creek  
Levering Creek  
Little Thorofare  
Long Branch (Settlement)  
Long Branch (Stream)  
Long Creek  
Long Creek Point  
Long Tump  
Merlin Gut  
Mill Gut  
North and Bottom  
Old Womans Marsh  
Oyster Point  
Parks Ditch  
Peach Orchard Point (South Point R)  
Point Comfort  
Rhodes Point  
Rhodes Point Gut  
Rock Creek  
Rocking Point  
Rocking Point Gut  
Sedge Island  
Severn Gut  
Shanks Island  
Sheeppen Gut  
Shanks Creek  
Smith Island

- ✓ Smith Gut
- ✓ Smith Gut Point
- ✓ South Point Gut
- ✓ South Point Marsh
- ✓ Spain Cove
- ✓ South Point (Peach Orchard Point R)
- ✓ Teams Gut
- ✓ The ~~Channel~~ Canal { Listed in "Geographic Name Report" as The Channel  
due to a typographical error.
- ✓ The Slough
- ✓ Thorofare Cove(R) ( Church Cove)
- ✓ Tyler Creek (R) (Tyler River)
- ✓ Tyler Ditch
- ✓ Tyler Creek *not a separate feature?*
- ✓ Tylerton
- ✓ Upper Tump



NAMES FOUND IN GEOGRAPHIC NAMES REPORT  
NOT SHOWN ON COMPILATION

~~Shanks Creek~~

~~Smith Island~~

Tangier Sound

## Remarks.

## Decisions

1		U.S.G.B.
2		379760
3	One word or Fishbone	378760
4		"
5		"
6		375760
7		"
8		"
9	Apply as on name overlay, pending decision by U.S.G.B. This application reverses order of	" } Apply as on old "Ewell" quadrangle
10	those two names on previous U.S.G.S. "Ewell" quad.	
11	Referred to USGB, since field party more frequently uses Cheesman. Apply Cheesman until further notice	" Cheesman OK.
12		"
13		"
14		"
15		"
16	Conflict of Tyler Creek/Tyler River referred to U.S.G.B. Apply Tyler Creek pending its decision.	" U.S.G.B
17		"
18		"
19		"
20		"
21	Referred to USGB for extent of its application. Application on this sheet is in order. (no change)	379759 U.S.G.B
22		"
23		" U.S.G.B
24		"
25		"
26		"
27		"
M 234		

# GEOGRAPHIC NAMES

Survey No. T-8163

How "Excell" quadrangle

No. 1

Name on Survey

	A. On Chart No.	B. On previous survey No.	C. On U. S. quadrangle Maps	D. From local information	E. On local Maps	F. P. O. Guide or Map	G. Rand McNally Atlas	H. U. S. Light List	
Chesapeake Bay ✓									1
Smith Island ✓									2
Wishbone Island ✓									3
Upper Tump ✓									4
Long Tump ✓									5
Herrin Island ✓									6
Shanks Island ✓									7
Shanks Creek ✓									8
South Point ✓									9
Peckorchard Point ✓									10
Cheeseman Islands ✓									11
Sedge Island ✓									12
Smith Gut ✓									13
Hog Neck ✓									14
Fishing Creek ✓									15
Tyler Creek ✓									16
Parks Ditch ✓									17
Tylernton ✓									18
Jugline Creek ✓									19
Rock Creek ✓									20
Big Thorofare ✓									21
Little Thorofare ✓									22
Tyler Ditch ✓									23
Indian Creek ✓									24
Lovering Creek ✓									25
Exell ✓									26
Rhodes Point ✓ (write POINT in full, as name of a village)									27



## Remarks.

## Decisions

1		879760
2		"
3		"
4		"
5		"
6	Apply this name pending further investigation, since field party has used Cheesman most fre- quently. (No change)	"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19	At extreme north side of sheet: see T-3149 (like geo. section) for simplification.	880760
20		879760
21		"
22		"
23		"
24		"
25		"
26		"
27	Two words, not Sheeppen	"

# GEOGRAPHIC NAMES

Survey No. T-8163

No. 2

Name on Survey

	A	B	C	D	E	F	G	H	K	
	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		
Teame Gut ✓										1
Goose Harbor Cove ✓										2
Aspen Corner ✓										3
Bare Marsh ✓										4
Chaisey Point ✓										5
Cheeseman Point ✓										6
Easter Point ✓										7
Fishing Creek Marsh ✓										8
Frances Gut ✓										9
Great Pond ✓										10
Hunter Gut ✓										11
Jones Creek ✓										12
Long Branch (stream) ✓										13
Long Branch (settlement) ✓										14
Long Creek ✓										15
Long Creek Point ✓										16
Merlin Gut ✓										17
Mill Gut ✓										18
North End bottom ✓										19
Old Mousens Marsh ✓										20
Oyster Point ✓										21
Point Comfort ✓										22
Rhodes Point Gut ✓										23
Rocking Point ✓										24
Rocking Point Gut ✓										25
Silver Gut ✓										26
Shoop Pen Gut ✓										27

## Remarks.

## Decisions

1		279760
2	This name depends upon the Board's decision for	"
3	the reported conflict in application of names South Point	" } no change
4	and Peckorchard Point, lines 9, 10, sheet No. 1;	"
5	South Point March is near both points.	"
6		"
7		"
8		
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# GEOGRAPHIC NAMES

Survey No. T-8163

No. 5.

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	
Smith Cut Point ✓	✓								1
South Point Cut ✓	✓								2
South Point Marsh ✓	✓								3
Spain Cove ✓									4
The Canal ✓									5
Thorofare Cove ✓									6
									7
									8
									9
									10
									11
									12
									13
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Names underlined in red approved  
by L. Heck on 11/6/42

## 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-Q, 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, driveways, 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 ~~San Francisco~~ 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-8163

EWELL 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.

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-271	1:20,000	1849	
T-309	1:20,000	1850	
T-2556	1:20,000	1901	
T-2695	1:20,000	1905	
Ewell	1:62,500	1917	U.S.E.

Comparison with Nautical Charts Nos. 1223 and 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 the manuscript.

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

A combined radial plot was laid in the Washington Office involving T-8161, T-8162, T-8163, and T-8164 in order to tie the previously made plots together across Tangier Sound. The new plot disclosed large errors in the position of Fishbone and Herring Islands on this quadrangle. These islands and a few small islands in that area were corrected accordingly during review.

Reviewed 3/13/43 By Ray E. Perkins  
under direction of D. H. Benson *per J. H. L.*

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

Examined and approved:

*Charles Price*  
Chief, Surveys Branch

*K. T. Adams*  
Chief, Topography Section

*J. S. D. D. D.*  
Chief, Div. of Charts

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