

8119

8119

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. \_\_\_\_\_ Office No. T-8119

LOCALITY

State Maryland

General locality Chesapeake Bay

Locality Wingate Quadrangle

N3815-W7600/7.5

194 2

CHIEF OF PARTY

F. L. Gallen  
Kenneth G. Crosby

LIBRARY & ARCHIVES

DATE \_\_\_\_\_

T8119

Form T-1

DATA RECORD

T- 8119

Quadrangle (II): Wingate  
N 38 15 - W 76 00 / 75

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: 10/5/42

Reported to Nautical Chart Section: 10/6/44

Reviewed: 12/21/42

Applied to chart No.

Date:

Redrafting Completed: 4/9/43

Registered: 1/10/44  
~~10/30/44~~

Published: - 7/31/43

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): FARM (1910)

Lat.: 38-18-50-109 (1545)

Long.: 76-02-47.049 (1143)

~~Adjusted~~  
Unadjusted

State Plane Coordinates (VI):

X =

Y =

*To be added later when  
grid position of datum  
station not available at time  
of review. Bgg*

Military Grid Zone (VI) "A"

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8809	4/14/42	3.26	1:20,000	1.55
8810	4/14/42	3.28	1:20,000	1.53
8816	4/14/42	3.42	1:20,000	1.38
9057	4/22/42	12.30	1:20,000	0.4

Tide from (III): Sharkfin Shoal Light, Chesapeake Bay, Md.

Mean Range: 2.2

Spring Range: 2.6

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

Field Inspection by: T.A.Zary, J.C. Lajoie, Lt.E.L.Jones date: April  
G. H. Wood, and D. B. Hancock May 1942

Field Edit by: L. G. Chambers date: Oct. 1942

Date of Mean High-Water Line Location (III): 4/14/42  
4/22/42

Projection and Grids ruled by (III) Washington Off. date:

" " " checked by: Washington Office date:

Control plotted by: F. H. E. date: Aug.

Control checked by: C. H. W. date: Aug.

Radial Plot by: F.H.E., C.H.W. and C.A.J.P. date: Aug.

Detailed by: E. L. M. date: Aug.Sept.

Reviewed in compilation office by: J.A.G. date: Sept.

Elevations on Field Edit Sheet  
checked by: Salisbury Office date: Oct.

### STATISTICS (III)

Land Area (Sq. Statute Miles): 41

Shoreline (More than 200 meters to opposite shore): 39

Shoreline (Less than 200 meters to opposite shore): 75

Number of Recoverable Topographic Stations established: 2

Number of Temporary Hydrographic Stations located by radial plot:

Leveling (to control contours) - miles: 32

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-8119

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 sheet T-8119 is Maryland, Chesapeake Bay, between Fishing Bay and the Honga River.

Marshland, woodlands, and cultivated areas, in general, comprise the land area in this quadrangle.

All roads have been shown as a centerline and should be smooth drafted thirty feet wide.

CONTROL

Eight triangulation and eight hydrographic and topographic stations lie within the boundaries of this sheet. The topographic stations were located by the main radial plot and the hydrographic stations by sextant fixes.

The following triangulation stations were plotted on the sheet:

<u>NAME OF STATION</u>	<u>YEAR</u>	<u>ESTABLISHED BY</u>
Croch ✓	1910	C. C. Yates
Elliot ✓	1910	"
Farm ✓	1910	"
Paul ✓	1910	"
St. Thomas	1942	G. W. Lovesee
St. Thomas Ch. Sp. ✓	1910	C. C. Yates
Toddville M.E. Ch. Sp. ✓	1910	"
Shorter	1942	G. W. Lovesee

The direction from triangulation station "Shorter" to Az-mark was not available.

MAIN RADIAL PLOT

A continuous radial plot was laid on August 13 and 14, 1942 to locate radial points, hydrographic and topographic stations, bench marks and photographic centers. The plot extended over the area covered by sheets T-8108, T-8109, T-8110, T-8119, T-8117 and T-8136.

The usual practice of laying the main radial plot was followed. This consists of plotting and checking the control on the survey sheets and then transferring these points to base grid sheets by matching individual grid squares. The amount of adjustment in each grid square was negligible. The grid sheets were taped to the plotting table and allowed to remain for twenty-four hours before any templates were laid. Prior to laying the templates the base grid sheets were examined for movement and where such movement had occurred the grid sheets were given a final adjustment and all matched grid lines were in excellent agreement.

The plot consisted of twenty-four templates.

Templates Nos. 8817 and 8822 showed 14 triangulation stations. Template No. 8825 showed 11 triangulation stations. Templates No. 8821, 8823, 8830 showed 10 triangulation stations. Templates Nos. 8818, 8820, 8832, 8833, 9057 and 9058 showed 9 triangulation stations. Template number 8839 showed 8 triangulation stations. The remaining six templates showed from 2 to 6 triangulation stations.

The templates which were most rigidly fixed by triangulation control were laid first. The templates having the least control were laid by rigidly holding what triangulation was available while at the same time holding well established points as determined by radial intersections of the previous more rigidly controlled templates. Agreement along the flight lines as well as intersections of radial lines to the adjacent photograph centers was excellent throughout.

No excessive tilt was encountered in any of the templates. Template No. 8831 was omitted because one of the chambers was apparently incorrect. Templates Nos. 8815 and 8833 were omitted because they were superfluous, ample excellent intersections already having been obtained by the surrounding templates.

This radial plot was laid by one Senior Engineering Aid, assisted by two Photogrammetric Aids. The time consumed in laying this plot amounted to 28 man hours.

All of the intersections were transferred from the radial plot to the survey sheets by again matching the grid squares to those of the base grid sheets. The majority of the points were located by common intersections of 4 to 6 radial lines. About 15 percent of the points were located by common intersections of three radial lines only. One percent of the points were located by two radial lines. Further investigation of these last named points is to be made by the individual detailers. No points were picked in triangles of error. Where such triangles of error occurred, the radial lines were transferred on to the survey sheets so that these points may be further investigated by the individual detailers. Triangles of error occurred in less than 0.5% of all points transferred.

It is believed that the excellent agreement of all of the templates along the flight lines, the ample and rigid control by triangulation stations, and the numerous common intersections of radial lines indicate that the positions of the picked points are not more than 0.25 m.m. from the correct location.

Various colored inks were used on the mounted office prints and on the survey sheets to designate triangulation, traverse and topographic stations, etc. The following key is furnished for this information:

Photographs (Office Prints)

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

Survey Sheets

Triangulation Stations.....	3.5 m.m. high black triangle
Hydro. & Topo. Stations.....	2.5 m.m. black circle
Radial Points (Main Plot).....	2.5 m.m. purple circle on back
Radial Points (Additional).....	3.5 m.m. purple circle on back
Radial Points (Questionable).....	3.5 m.m. green circle on back

### INTERPRETATION OF PHOTOGRAPHS

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

### FIELD INSPECTION

The field inspection was made by T. A. Zary, J. C. Lajoye, E. L. Jones, G. H. Wood and D. B. Hancock during April and May 1942.

Field notes were limited to the character and position of the shoreline, almost entirely.

The legend used by the field inspection party and the draftsman has been made a part of this report.

Road classifications shown on the sheet were taken from a State-Wide Highway Planning Board map of Dorchester county, Maryland.

### NON-FLOATING AIDS

All non-floating aids were located from sextant-fixes made in the field; duly listed on form 567 and made a part of this report.

### JUNCTIONS

This sheet joins sheet T-8120 to the east, sheet T-8108 to the north, sheet T-8118 to the west and sheet T-8135 to the south. The junctions have been made and are in agreement.

### COMPARISON WITH OTHER SURVEYS

Accurate comparisons with existing charts are not practicable because of scale differences.

### GEOGRAPHIC NAMES

The geographic names used on this sheet were taken from a geographic name sheet furnished by Lieut. Comdr. William D. Patterson, and made up on the U. S. G. S. quadrangle of the area.

### LANDMARKS

This area should be inspected from the seaward for possible landmarks.

Respectfully submitted,

*Eugene L. Maxwell*  
Eugene L. Maxwell,  
Deck Officer *19c*

Forwarded by:

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



FIELD EDIT REPORT  
 QUADRANGLE NO. T-8119  
 Project CS-278-C  
 F. L. Gallen, Chief of Party

11. Form 567 has been submitted with landmarks and aids to navigation for this quadrangle.
18. The Geographic Names appearing on this sheet have been investigated. Refer to: "Special Report on Investigation of Geographic Names, Maryland-Virginia, Tangier to Taylors Island, Project 278-C, (north) October 1, 1942".
46. The field edit of this quadrangle was accomplished mainly by a visual inspection of the compiled manuscript by L. G. Chambers.

Permanent aids to navigation were located by planetable cuts. At least three cuts were taken to each signal.

All additions to the compilation were made with black ink and all deletions were made with green ink.

47. The compilation was found adequate except for a few minor changes which are shown on the field edit sheet as described above.
48. Horizontal accuracy tests <sup>was</sup> ~~were~~ run in <sup>this quadrangle. (see page 5)</sup> ~~quads 8108 and 8109~~. There were no contours in this quadrangle, so no vertical accuracy tests were made.

Respectfully submitted

*L. G. Chambers* by  
*Emil H. Kirsch*  
 L. G. Chambers,  
 Senior Photogrammetric Aid.

Approved:

*F. L. Gallen*

F. L. Gallen, Chief of Party  
 U. S. Coast & Geodetic Survey,  
 War Mapping Party No. 1



## Horizontal Accuracy Test Comparisons

Δ Cusick to Δ St. Thomas

Traverse position listed as P.P.  
 Compilation position listed as M.M.

<u>Point</u>				<u>Latitude</u>		<u>Longitude</u>	<u>Difference in M.M.</u>
* 16.	Hwy. to R.	Rd.	P.P. M.M.	38°19'	+184.0M. +170.0 14.0	76°08' -233.4M. -243.4 10.0	0.861 ✓
17.	Hwy. to L.	Rd.	P.P. M.M.	38°19'	241.2 246.3 5.1	76°07' 389.1 405.2 16.1	.84 ✓
18.	House to R.	76'	P.P. M.M.	38°19'	-116.0 -115.0 1.0	76°07' 1131.4 1137.4 6.0	0.304
19.	Hwy. to R.	Rd.	P.P. M.M.	38°18'	1160.0 1170.5 10.5	76°06' 795.0 788.3 6.7	.620 ✓
20.	Hwy. to L.	Rd.	P.P. M.M.	38°18'	590.3 591.7 1.4	76°06' 544.7 543.1 1.6	.105
21.	Hwy. to R.	Rd.	P.P. M.M.	38°18'	92.5 86.5 6.0	76°06' 118.1 111.8 6.3	.4305
22.	Hwy. Bridge		P.P. M.M.	38°17'	1074.4 1061.5 12.9	76°05' 934.1 931.1 3.0	0.613 ✓
23.	Hwy. to R.	Rd.	P.P. M.M.	38°17'	821.0 812.1 8.9	76°05' 1153.0 1162.8 9.8	.6625 ✓
24.	House to L.	100'	P.P. M.M.	38°17'	387.1 370.5 16.6	76°05' 797.3 793.4 3.9	.875 ✓
25.	Hwy. to R.	Rd.	P.P. M.M.	38°17'	50.1 43.9 6.2	76°05' 423.6 424.1 .5	.3075

<u>Point</u>				<u>Latitude</u>		<u>Longitude</u>		<u>Difference</u> <u>in M.M.</u>
26.	Hwy. Rd.	P.P.	38°16'	1603.2	76°04'	1313.4		
	to L	M.M.		<u>1596.4</u>		<u>1317.3</u>		
				6.8		3.9		.39
27.	Hwy. Bridge	P.P.	38°16'	1281.6	76°04'	977.8		
		M.M.		<u>1271.8</u>		<u>984.4</u>		
				8.8		6.6		.55 ✓
28.	House 44'	P.P.	38°16'	1081.7	76°04'	607.4		
	to L	M.M.		<u>1094.6</u>		<u>616.0</u>		
				12.9		8.6		0.78 ✓
29.	Hwy Rd.	P.P.	38°16'	640.3	76°04'	337.2		
	to L	M.M.		<u>642.6</u>		<u>350.1</u>		
				2.3		12.9		.655 ✓

$$\text{mean sq. error} = \sqrt{\frac{\sum E^2}{n-1}} = .5602 \text{ mm}$$



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

T-9119

LANDMARKS FOR CHARTS  
PERMANENT AIDS TO NAVIGATIONTO BE CHARTED } STRIKE OUT ONE  
TO BE DELETED }

check letter 581-1942

19

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.

*J. L. Galien*  
J. L. Galien

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									
0	1	D. N. METERS	0	1	D. P. METERS									
38 16	078	21.79	76 01	1011	N.A. 1927							X	1224	
38 16	1573	51.02	76 00	1337	"							X	1224	
38 16	108	3.5	76 00	455	"							X	1224	
38 16	214	6.94	76 00	394	"							X	1224	
(Azimuth of Channel 54° 1/2 T, field observations, 1942 Light List gives 34° T)														
38 16	474	15.26	76 03	945	N.A. 1927							X	1224	
38 16	387	12.55	76 03	1234	"							X	1224	
(Azimuth of Channel 253° 6' T, field observations 1942 Light List gives 252° T)														
38 16	697	22.61	76 02	371	N.A. 1927							X	1224	
38 16	940	30.49	76 02	939	"							X	1224	
38 16	670	21.73	76 03	240	"							X	1224	
38 16	439	15.86	76 03	1121	"							X	1224	
38 16	680	36.36	76 03	1152	"							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.



TO BE CHARTED }  
TO BE DELETED } STRIKE OUT ONE

## LANDMARKS FOR CHARTS PERMANENT AIDS TO NAVIGATION

Salisbury, Md. Nov. 2, 1942

Charl letter 581-1942

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.

78 4 11

F. L. Allen

**F. L. Gallon** *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.







DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Sheet T-8119  
List of Permanent (Non-  
Floating) Aids to  
Navigation

**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

Sept. 23, 1942, 19

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

GENERAL LOCALITY	Chesapeake Bay, Maryland	POSITION										CHARTS AFFECTED	
		NAME AND DESCRIPTION	LATITUDE		LONGITUDE		DATUM	METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART		OFFSHORE CHART
			°	'	°	'							
X	Paul Point Shoal Reference Beacon	38 16	830	76 06	1218	N.A. 1927	Sextant	1942	X		1224		
X	Crab Point Light	38 15	1718	76 07	250	"	"	"	X		1224		
125	Goose Creek Beacon Light "1"	38 16	678	76 01	1011	"	"	"	X		1224		
	Roasting Ear Pt. Beacon Light	38 16	52.67 1624	76 00	54.18 1316	"	"	"	X		1224		
	Removed. Superseded by Firm Creek Beacon "3"	38 16	714	76 05	406	"	"	"	X		1224		
	Modderlye Outer Beacon												
											</		

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.

# SHEET No. T-8119

## SUPPLEMENTARY SURVEYS

	Name	Date	Hours
Control surveys.....	X	July	2
Planetable Surveys.....			

Total 2

## FIELD INSPECTION

### SUPPLEMENTARY SURVEYS

Preparation of Photographs.....	ALK, CLB	June	4 $\frac{3}{4}$
Field Work.....			
Inking Notes.....			
Coast Pilot Notes.....			
Geographic Name Reports.....			
Land Marks for Charts.....			
Description Cards & Recovery Notes.....			

Total 4 $\frac{3}{4}$

## MAIN RADIAL PLOT

Scale Plot.....	CLB	June, July	5 $\frac{1}{2}$
Projection on Base Sheet.....	) Washington Office		
Projection on Survey Sheet.....			
Control Plotted.....	FHE	Aug.	2
Control Checked.....	CHW	Aug.	1 $\frac{1}{4}$
Control Trans. to Base Sheet.....	CHW	Aug.	1 $\frac{1}{4}$
Transfer Checked.....			
Control Picked on Photograph.....	ALK, CLB	June, July	7 $\frac{1}{2}$
Control Checked on Photograph.....	LCB, RDE, CHW	June	2 $\frac{1}{2}$
Hydro & Topo. Stations Picked.....	X	June, July	8 $\frac{1}{2}$
Radial Points Picked.....	CAJP, CHW, CLB	July	17 $\frac{1}{2}$
Adjacent Centers Picked.....	X	June	19
Templates.....	CLB, ECA	July, Aug.	4 $\frac{1}{4}$
Radial Plot.....	FHE, CHW, CAJP	Aug.	5 $\frac{1}{4}$
Radial Points Transferred.....	X	Aug.	6 $\frac{1}{4}$
Transfer Checked.....	ELM	Aug.	1
H & T Stations Scaled & Checked.....	ELM, LCB	Sept.	5
Additional Radial Points.....	ELM	Sept.	1
Investigation of Radial Points.....	ELM	July	3

Total 90 $\frac{3}{4}$

## DETAILING

Rough Draft.....	ELM	Aug. Sept.	113 $\frac{1}{2}$
Smooth Draft.....			

Total 113 $\frac{1}{2}$

## COMPILATION

Name overlay.....	ELM	Sept.	11 $\frac{1}{2}$
Descriptive Report.....	ELM	Sept.	8 $\frac{1}{2}$
Field Review.....	JAG	Sept.	17

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Total time spent on Sheet..... 248 hours

X Several of Office Personnel



# SHEET No. T—8119

## PHOTOGRAPHS

Number	Date	Time	Stage of Tide
8809	4-14-42	3:26 P.M.	+ 1.55 ft.
8810	"	3:28	+ 1.53 ft.
8816	"	3:42	+ 1.38 ft.
9057	4-22-42	12:30	+ 0.4 ft.

Tide from predicted tables for: Sharkfin Shoal Light, Chesapeake Bay, Md.

CAMERA: U. S. Coast and Geodetic Survey Nine Lens (focal length  $8\frac{1}{4}$  inches)

## SCALE

Mean scale of Photographs..... 1:20,000  
Scale of Survey Sheet..... 1:20,000

## STATISTICS

Area (land)..... 41 Square statute miles  
Shoreline (more than 200 m. from opposite shore)..... 39 Statute miles  
Shoreline (creeks)..... 75 Statute miles  
Roads, streets, trails, and railroads..... 48 Statute miles

## REFERENCE STATION

Station: Farm 1910  
Datum: N.A. 1927

Latitude:  $38^{\circ} 18' 50.109''$  (1595 m.)  
Longitude:  $76^{\circ} 02' 47.049''$  (1193 m.)  
(Unadjusted)



# 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

## 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.

NAMES FOUND ON GEOGRAPHIC NAMES LIST,  
NOT SHOWN ON COMPILATION

Asquith Island  
Beech Ground Swamp  
Bentley Cove  
Blackwater River (Big Blackwater River)  
Bridge Creek  
Cedar Creek Marsh  
Cedar Creek Point  
Cherry Ridge  
Crab Point Cove  
Duck Point  
Edgar's Ridge  
Fallin's Cove  
Farm Creek Marsh  
Flower's Cove  
Great Marsh  
Grogg's Point  
Hart's Point  
Jimson Weed Marsh  
Jones Cove  
Kerwin Point  
Little Creek  
Little Creek Marsh  
Long Point  
McCready's Cove  
McCready's Creek  
McCready's Point  
Nigger Cove  
Norman Cove Creek  
Old House Point  
Paul Point  
Pinay Point  
Point No Point R ( Deep Point)  
Raccoon Creek Marsh  
Robbins  
Ruben's Point  
Sheep Island Point  
Ship Creek  
Snake Island  
Stingaree Bend  
Stingaree Creek  
Stingaree Island  
Thoroughfare Marsh  
Thoroughfare Point  
Transquaking River  
Wesley  
Willey's Neck  
Wingate Cove R ( Mill Cove)  
Wingate Creek R (Mill Creek)  
Wrights Landing

GEOGRAPHIC NAMES LIST  
FOR T 8119

Bishop Head (town) (Bishops Head R)  
Blackwater Point  
Cedar Creek  
Crab Point  
Crapo  
Duck Point Cove  
Elliott  
Elliott Island  
Farm Creek  
Fishing Point (Point Rocker)  
Fox Creek  
Fox Point  
Goose Creek  
Holts Ridge Gut  
Jobs Ditch  
Johns Point  
Norman Cove  
Old House Landing  
Raccoon Creek  
Roasting Ear Point  
Sugarloaf  
Swimming Gut  
Tedius Creek (Thorofare Creek) (Thoroughfare Creek R)  
Toddville  
Wingate  
Wingate Point

Hemp River

Flaming Bay

Green Marsh

Becker I. Ains

Andrews

Inslays Cove

Hegons Creek

Cove



## Remarks.

## Decisions

1		38,761
2		"
3	Omitted from report on names; R. McN. gives 1940 population as 150.	"
4		"
5		"
6		38,761 U.S.G.B.
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20	Bishop/Bishops Head referred to USGB: omit final's pending revision of its earlier decision.	38,760 U.S.G.B.
21		"
22		"
23	Referred to USGB for its larger application: OK to apply as reported by field party pending Board's decision.	"
24		"
25		"
26		"
27		"
28		"
29		"
30		"
31		"
32		"
33		"
34		"
35		"
36		"
37		"
38		"
39		"
40		"
41		"
42		"
43		"
44		"
45		"
46		"
47		"
48		"
49		"
50		"
51		"
52		"
53		"
54		"
55		"
56		"
57		"
58		"
59		"
60		"
61		"
62		"
63		"
64		"
65		"
66		"
67		"
68		"
69		"
70		"
71		"
72		"
73		"
74		"
75		"
76		"
77		"
78		"
79		"
80		"
81		"
82		"
83		"
84		"
85		"
86		"
87		"
88		"
89		"
90		"
91		"
92		"
93		"
94		"
95		"
96		"
97		"
98		"
99		"
100		"

# GEOGRAPHIC NAMES

Survey No.

T-8119

"WINGATE" 7<sup>1</sup>/<sub>2</sub> quad.

No. 1

Name on Survey

On Chart  
No.

A,

B,

C,

D

E

F

G

H

K

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

Name on Survey	A,	B,	C,	D	E	F	G	H	K	
✓ Wingate ✓										1
✓ Grapo Shown in T- 8118										2
✓ Andrews ✓										3
✓ Beech Ground Swamp ✓										4
✓ Migger Cove ✓										5
✓ Hongs River ✓										6
✓ Paul Point ✓										7
✓ Wingate Point ✓										8
✓ Piney Point ✓										9
✓ Crab Point ✓										10
✓ Fox Creek ✓										11
✓ Fox Point ✓										12
✓ Insley Cove ✓										13
✓ Wingate Cove ✓										14
✓ Crab point Cove ✓										15
✓ Norman Point ✓										16
✓ Bishop's Head (town) ✓										17
✓ Norman Cove ✓										18
✓ Tedious Creek ✓										19
✓ Duck Point Cove ✓										20
✓ Fishing Bay ✓										21
✓ Toddville ✓										22
✓ Goose Creek ✓										23
✓ Roosting Ear Point ✓										24
✓ Johns Point ✓										25
✓ McQuindys Cove ✓										26
✓ Little Creek ✓										27

Bishop's Head = USFB decision

USFB. decision adopted large application; OK on compilation



T-8119

No. 2

## Remarks

## Decisions

1		382760
2		"
3		"
4		"
5		" U.S.B.
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		383760
15	Big Blackwater River referred to USGB: OK to apply pending its decision	"
16		" U.S.G.B.
17		"
18	Fishing Point/Point Rock referred to USGB: <del>Apply pending its decision</del> Point Rock	"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"



# GEOGRAPHIC NAMES

Survey No. T-8119

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,	
<del>Little Creek Marsh</del> ✓									1
<del>Ruben Point</del> ✓									2
<del>Norman Cove Creek</del> ✓									3
<del>Pallins Cove</del> ✓									4
<del>Hearns Cove</del> ✓									5
<del>Hearns Creek</del> ✓									6
<del>Edgars Ridge</del> ✓									7
<del>Great Marsh</del> ✓									8
<del>Wingate Creek</del> ✓									9
<del>Long Point</del> ✓									10
<del>Duck Point</del> ✓									11
<del>Sherry Ridge</del> ✓									12
<del>Sherry Weed Neck</del> ✓ <sup>Marsh</sup> (L. H. 1/11/43)									13
<del>Transquaking River</del> ✓									14
<del>Blackwater River</del> ✓									15
<del>Elliott</del> ✓									16
<del>Elliott Island</del> ✓									17
<del>Point Rock</del> ✓									18
<del>Farm Creek</del> ✓									19
<del>Cedar Creek</del> ✓									20
<del>Shorefare Creek</del> ✓									21
<del>Blackwater Point</del> ✓									22
<del>Sugarloaf</del> ✓									23
<del>Lebs Ditch</del> ✓									24
<del>Raccoon Creek</del> ✓									25
<del>Old House Landing</del> ✓									26
<del>Holts Ridge Gut</del> ✓									27



T-8119

No. 3

Remarks.

Decisions

1		383760
2		"
3		" (383754)
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		
27		
M 234		



# GEOGRAPHIC NAMES

Survey No. T-8119

No. 3

Name on Survey

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

K.

Name on Survey	A.	B.	C.	D.	E.	F.	G.	H.	K.	
<del>Swimming Gut</del> ✓										1
<del>Hobbins</del> ✓										2
<del>Guinea Marsh</del> ✓										3
<del>Becker Island Marsh</del> ✓										4
<del>Stingaree Bend</del> ✓										5
<del>Stingaree Island</del> ✓										6
<del>Stingaree Creek</del> ✓										7
<del>Snake Island</del> ✓										8
<del>Thorofare Marsh</del> ✓										9
<del>Thorofare Point</del> ✓										10
<del>Point No Point</del> ✓										11
<del>Ship Creek</del> ✓										12
<del>Cedar Creek Point</del> ✓										13
<del>Sheep Island Point</del> ✓										14
<del>Old House Point</del> ✓										15
<del>Farm Creek Marsh</del> ✓										16
<del>Bridge Creek</del> ✓										17
<del>Harts Point</del> ✓										18
<del>Cedar Creek Marsh</del> ✓										19
<del>Raccoon Creek Marsh</del> ✓										20
<del>Wrights Landing</del> ✓										21
<del>Willey Neck</del> ✓										22
<del>Wesley</del> ✓										23
<del>McGreadys Creek</del> ✓										24
<del>McGreadys Point</del> ✓										25
										26
										27

Names underlined in red approved

by L. Heck on 11/10/44

## 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.

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-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 ~~NAVY~~ 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-8119

WINGATE 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

The result of the horizontal accuracy test comparisons is on page 5 of this Descriptive Report. There is no evidence of systematic error, although the survey did not prove up to usual Coast & Geodetic Survey standards. See following page: No vertical accuracy test was performed Previous Surveys on this sheet since there were no contours.

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-2549	1:20,000	1902	
T-2564	1:20,000	1902	
"Crapo"	1:62,500	1905	U.S.G.S.

Comparison with Nautical Charts Nos. 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 small differences in shoreline exist.

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

A complete check on the radial plot was not possible because several sheets were combined in the original plot. The detailing seems to be complete and accurate. Subsequent to review, a horizontal accuracy test was completed and the results were tabulated in the Washington Office. Several points were found to be misplaced by distances slightly in excess of the allowable error of 0.5 mm. The identity of some of these points is doubtful. It is concluded that no serious errors in position occur on T-8119.

No corrections were made on the manuscript because of this accuracy test.

Reviewed 12/21/42

By Raff Moore Berry

under direction of D. H. Benson

Inspected by B. G. Jones

Examined and approved:

Robert W. Knapp  
Chief, Surveys Branch

K. T. Adams  
Chief, Topography Section

J. B. Osden  
Chief, Div. of Charts

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



## NAUTICAL CHARTS BRANCH

SURVEY NO. 8119

### 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.