8109

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-8109
(Field)

MARYLAND
GOLDEN HILL
QUADRANGLE
N3822.5 - W7607.5/7.5

LOCALITY

State Maryland

General locality Chesapeake Bay

Locality Golden Hill

194 2

CHIEF OF PARTY
F. L. Gallen
Lieut. Co..dr. Kenneth G. Crosby

U. S. GOVERNMENT PRINTING OFFICE 315551

October 2, 1944

Form T-1

DATA RECORD

T- 8109

Quadrangle (II): Golden Hill 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, 1942, Mar. 27, 1942, Aug.13, 1942. Copy filed in Descriptive Report No. T- (VI)

Completed survey received in office: Oct. 5 1942

Reported to Nautical Chart Section: Oct 6 1942

Reviewed: 12-23-42 Applied to chart No. Date:

Redrafting Completed: 3/19/43

Registered: ~~Sept~~ Sept 30, 1944. Published: July 16 1943

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): CUSICK - 1942

Lat.: ~~38° 23' 04.594 (141.7 m)~~ 38° 23' 09.591" (141.6m) Long.: ~~76° 11' 41.540 (1008.2 m)~~ 76° 11' 41.562" (1,008.8m) Adjusted ~~Unadjusted~~

State Plane Coordinates (VI):

Maryland Coordinate System - Single Zone

X = 2,229,307.8 ft. Y = 256,402.5 ft.

Military Grid Zone (VI) "A"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
8830	4/14/42	4:18 P.M.	1:20,000)	
8831	4/14/42	4:24 P.M.	1:20,000)	Inshore sheet
8832	4/14/42	4:26 P.M.	1:20,000)	
8941	4/15/42	2:58 P.M.	1:20,000)	

Tide from (III): Inshore Sheet

Mean Range: Spring Range:

Camera: (Kind or source) U.S.C. & G. S. nine lens (focal length 8$\frac{1}{2}$ inches)

Field Inspection by: T.A.Zary, H. R. Cravat date: 1942

Field Edit by: J. K. Wilson date: October 1942

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

Projection and Grids ruled by (III) Washington office date:

" " " checked by: Washington Office date:

Control plotted by: F.H.E. date: August 1942

Control checked by: C.H.W. date: August 1942

Radial Plot by: F.H.E., C.A.J.P., C.H.W. date: August 1942

Detailed by: E.C.A. date: Aug.Sept. 1942

Reviewed in compilation office by: E. L. M. date: September 1942

Elevations on Field Edit Sheet
checked by: Salisbury office date: October 1942

STATISTICS (III)

Land Area (Sq. Statute Miles):	57.4
Shoreline (More than 200 meters to opposite shore):	13.2
Shoreline (Less than 200 meters to opposite shore):	49.6
Number of Recoverable Topographic Stations established:	none
Number of Temporary Hydrographic Stations located by radial plot:	none
Leveling (to control contours) - miles:	41.0

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-8109

Compilation Report

GENERAL

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

The general locality of the area covered by this sheet is Dorchester County, Maryland, in the vicinity of Golden Hill north to Woolford.

The terrain is generally low with scattered areas of marsh and swamp land broken by numerous ponds, ditches and creeks. The cultivated areas appear on the higher ground surrounding the marsh and swamp.

It will be noted that the vegetated areas, other than the cultivated farm lands, have not been classified, inasmuch as field inspection had not advanced to the stage where the vegetation was classified and identified for military use.

CONTROL

The following triangulation stations appear within the tracing limits of this sheet:

STATION	DATE	ESTABLISHED BY
Brooks	1942	G. W. Lovesee
Church Creek Lookout Tower	1942	G. W. Lovesee
Cusick	1942	G. W. Lovesee

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 Nos. T-8108, 8109, 8110, 8119, 8117 and 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 Nos. 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 occured 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

NON-FLOATING AIDS

No non-floating aids to navigation appear on this sheet.

INTERPRETATION OF PHOTOGRAPHS

The photographs in this area were of poor scale, but it was found that by using that part of the photograph away from the centers the sheet could be detailed with little difficulty. Smoke from a woods fire northwest of Golden Hills obliterated much of the detail in that area, but by using photographs other than those directly above the smoke it is believed that that area has been shown with fair accuracy.

FIELD INSPECTION

Field inspection in this area consisted of but a few scattered notes as to type of vegetation, showing nothing at all of the density. Location of the stations on the field prints was done by T. A. Zary and H. R. Cravat.

DETAILING

This sheet was detailed in accordance with current instructions for this project. This sheet was prepared for inking by rubbing it with magnesium carbonate. The ink has adhered very well and no reinking has been necessary.

Symbols have been used whenever possible. The legend of symbols used on this sheet has been made a part of this report.

JUNCTIONS

This sheet forms a junction with sheet T-8108 on the East, T-8110 on the West and T-8117 on the South. On the North it is joined by sheets done by this Bureau in the Baltimore office. All junctions appear to be in good agreement, with the exception of the junction with the northern compilation. This junction should be investigated by the Washington office. The ~~in~~dis agreement is probably caused by the junction falling on the outer limits of two separate radial plots.

GEOGRAPHIC NAMES

The geographic names appearing on the name overlay for this sheet were obtained from a geographic name sheet made up on a U. S. G. S. Quadrangle by the field party. In some few cases, where the true location of the towns or places named were not definitely known or placed, the names have been questioned for future investigation by the field party.

LANDMARKS

No prominent landmarks appear on this sheet.

Respectfully submitted,

Edward C. Andrews,
Asst. Engineering Draftsman

Forwarded by:

Kenneth G. Crosby,
Chief of Party...

DESCRIPTIVE REPORT TO ACCOMPANY
T-8109 (GOLDEN HILL QUADRANGLE)
War Mapping Project CS-278-C
F. L. Gallen, Chief of Party.

7. The ditch shown at the head of the Meekin River in approximate Latitude 38°-25', Longitude 76°-10' was dug by the owner of the Muskrat Farm. This ditch serves to drain the farm and is navigable by small boats. It is used by the owner in handling supplies in and his produce out.

13. The Geographic position of a 100' Lookout Tower has been submitted on form 567.

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 CS-278-C (North) October 1, 1942."

46. The field edit of this sheet was accomplished by a two-man party in charge of J. K. Wilson. It consisted mainly of visual checking the detail shown on the compilation. All deletions, additions and corrections to the manuscript have been noted on the field edit sheet. Black ink is used to show the additions, green ink is used to show the deletions.

47. The compilation was found adequate except for a few minor changes. These changes are shown on the field edit sheet as described above.

48. The results of a horizontal accuracy test is attached to this report. There were no vertical accuracy tests in this quadrangle.

Respectfully submitted,

Joseph K. Wilson

J. K. Wilson,
Engineering Aid

Approved:

F. L. Gallen

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

TESTS FOR HORIZONTAL ACCURACY
QUADRANGLE NO. T-8109
PROJECT 278-C

North edge of sheet

This test consists of a traverse between Triangulation Station CHURCH (1934) and Triangulation Station HARRINGTON (1934). The traverse is 4.61 statute miles in length and contains 15 test points. The traverse closure is one part in 5,700, and the closing discrepancy was distributed through the traverse. The test points are referred to in the computations as P. P. No. (photograph point number) and the test points as scaled from the Map Manuscript are referred to as M. M. No. Test points No. 1 to No. 4 fall within the boundaries of this quadrangle. Unfortunately test points 1 and 2 were not compiled.

TABULATION OF TEST POINTS

Description of Point	Test Point Number	Lat.	Long.	Difference in mm.
Center front face of house	P. P. No. 3	38-29-1721.2	76-10- 27.0	
	M. M. No. 3 T-8109	38-29-1748.4	76-10- 37.9	1.465
	M. M. No. 3 T-8242	38-29-1721.3	76-10- 26.9	.070
Inter road & road 60°	P. P. No. 4	38-29-1815.9	76-10- 81.1	
	M. M. No. 4 T-8109	38-29-1824.1	76-10- 77.6	.429
	M. M. No. 4 T-8242	38-29-1808.1	76-10- 79.6	.400

It may be noted that the building, test point No. 3, is displaced on Map T-8109, but appears in its correct position on map T-8242. Test Point No. 4 is within the allowable error on both maps.

Submitted by

E. H. Kirsch.

E. H. Kirsch,
Lieutenant, U.S.C. & G.S.

Approved by

See review of back.

F. L. Gallen.

F. L. Gallen,
Chief of Party, U.S.C. & G. S.

Horizontal Accuracy Test Comparisons

South edge of quadrangle

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

1.	Hwy. Rd. to Rt.	P.P.	38°23'	+ 133.9M	76°11'	+ 738.4M	0.3445
		M.M.		128.4		742.6	
				5.5		4.2	
2.	o (center) of house 116' left of traverse	P.P.	38°23'	+ 114.6	76°11'	+ 457.2	0.41
		M.M.		122.8		457.1	
				8.2		0.1	
3.	Hwy. Rd. to R.	P.P.	38°22'	+1726.6	76°10'	+ 284.8	0.32
		M.M.		1728.2		291.0	
				1.6		6.2	
4.	Hwy. Rd. to R.	P.P.	38°22'	+1368.4	76°09'	+1071.1	0.655
		M.M.		1360.7		1060.5	
				7.7		10.6	
5.	Hwy. Rd. to L.	P.P.	38°22'	+1067.8	76°09'	+ 513.6	0.57
		M.M.		1076.1		520.2	
				9.3		6.6	

(M.M.) Positions scaled in Washington Office from map manuscript as submitted by compilation office.

(P.P.) Geodetic positions from Horizontal Accuracy Test Traverse from ΔCusick to Δ St. Thomas.

Form 567
(Rev. April 1942)

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-8109

LANDMARKS FOR CHARTS (AERONAUTICAL)

~~TO BE CHARTED~~ / ~~TO BE DELETED~~

Salisbury, Md. 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 as (deleted from) the charts indicated~~

The positions given have been checked after listing.

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

GENERAL LOCALITY: Blackwater River, Md.	POSITION					METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
NAME AND DESCRIPTION	LATITUDE		LONGITUDE		DATUM						
	° ′	D. M. METERS	° ′	D. P. METERS							
LOOKOUT TOWER (100' high) (△ Church Creek Lookout Tower)	38 23	823.6	76 08	849.2	N.A. 1927	Triangulation	1942			•	Washington (T-9)

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.

U. S. GOVERNMENT PRINTING OFFICE 10—27869

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 bituminus 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.

SHEET No. T—8109

SUPPLEMENTARY SURVEYS

	Name	Date	Hours
Control surveys	X	July	2¾
Planetable Surveys			
		Total	2¾

FIELD INSPECTION

~~SUPPLEMENTARY SURVEYS~~

Preparation of Photographs	LK, CLB	June	½
Field Work			
Inking Notes			
Coast Pilot Notes			
Geographic Name Reports			
Land Marks for Charts			
Description Cards & Recovery Notes			
		Total	¾

MAIN RADIAL PLOT

Scale Plot	CLB	July	3¼
Projection on Base Sheet	) Washington Office		
Projection on Survey Sheet	)		
Control Plotted	FHE	Aug.	2
Control Checked	CHW	Aug.	½
Control Trans. to Base Sheet	CHW	Aug.	¾
Transfer Checked			
Control Picked on Photograph	ALK, CAJP, CHW	July	5½
Control Checked on Photograph	ALK, LCB, CHW	July	4¼
Hydro & Topo. Stations Picked	X	July	19
Radial Points Picked	CHW, CLB	July	17½
Adjacent Centers Picked	X	June	44
Templates	CHW, CLB	Aug.	10
Radial Plot	FHE, CAJP, CHW	Aug.	3½
Radial Points Transferred	X	Aug.	6
Transfer Checked	FHE	Aug.	2
H & T Stations Scaled & Checked	ECA, VFS	Sept.	½
Additional Radial Points			
Investigation of Radial Points			
		Total	118¼

DETAILING

Rough Draft	ECA	Aug. Sept.	134
Smooth Draft			
		Total	134

COMPILATION

Name overlay	ECA	Sept.	6
Descriptive Report	ECA	Aug.	4
Field Review	~~ELM~~	Sept.	19
			29

Total time spent on Sheet 284¾ hours

X=Several of Office Personnel

SHEET No. T— 8109

PHOTOGRAPHS

Number	Date	Time	Stage of Tide
8830	4-14-42	4:18	(Inshore sheet)
8831	"	4:24	
8832	"	4:26	
8941	4-15-42	2:58	

Tide from predicted tables for: (Inshore Sheet)

CAMERA: U. S. Coast and Geodetic Survey Nine Lens (focal length 8¼ inches)

SCALE

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

STATISTICS

Area (land)	57.4	Square statute miles
Shoreline (more than 200 m. from opposite shore)	13.23	Statute miles
Shoreline (creeks)	49.60	Statute miles
Roads, streets, trails, and railroads	52.9	Statute miles

REFERENCE STATION

Station: Cusick, 1942

Datum: N.A. 1927

Latitude: 38° 23' 04.591" (141.6m) ~~38° 23' 04.594" (141.7 m.)~~

Longitude: ~~76 11 41.540" (1008.2 m.)~~ 76° 11' 41.562" (1008.8 m.)

GEOGRAPHIC NAMES LIST
T-8109

Beaverdam Creek = east tributary Slaughter Creek
Blackwater River
Golden Hill
Great Marsh Creek
Gum Swamp = village
Lower Keene Broad
Meekins Creek
~~Milton~~ Woodford
Slaughter Creek
Upper Keene Broad
Wallace Creek
Worlds End Creek
Honga River National Wildlife
Blackwater Migratory Bird Refuge
Church Creek

Added from other list.

~~Buttons Neck~~
Coulson Pond
Hudson Creek
Raymond Pond
Scallop Point Gut
Buttons Creek

NAMES FOUND IN GEOGRAPHIC NAMES
REPORT NOT SHOWN ON COMPILATION
T - 8109

Betty's Island
Birch Dam Creek
Blackwater
Bull Point
Buttons Neck — added to compilation
Codes Point — on T8110
Corsey Creek
Coulson Pond — added to compilation
Crossroads
Crow Island
Dick's Point
Fishing Creek
Great Marsh
Gum Island ← Gum Swamp (marshy area)
Harrisville
Hog Marsh Gut
Hog Range
Hog Range Marsh
Hudson Creek — added to compilation
James Island
Keene's Wharf
Kentuck Swamp
Madison
Meekins Creek Marsh
Mill Cove
Moneystump Swamp
Old Field
Out Back
Peter's Neck
Piney Gut
Piney Swamp
Plantation Point
Raymond Pond — added to compilation
Riggin Corner
Rowland's Island
Russell Swamp
Scallop Point Gut — on compilation
Shenton's Creek
Spicer's Creek ← Slaughter Creek Narrows.
Spriggs Island
Squirrel Point Marsh
Uncle Robert's Creek
Walnut Landing
Wheatley's Neck
White Marsh Creek
White Oak Swamp
Wood's Island
Woolford's Island

Church Creek Fire Lookout Tower

T-8109

	Remarks	Decisions
1		385761
2	Pending revision of former decision for MILTON by ~~USGB, apply Woolford~~	" U.S.G.B. (recent)
3	Case referred to USGB: pending its decision apply Buttons Creek instead of Beaverdam Creek	384761 Buttons Creek recent USGB.
4	Conflict with Rich Neck Creek submitted to USGB: pending its decision apply Hudson Creek	"
5		" Recent USGB.
6		"
7		"
8		"
9		"
10	If USGB decides in favor of Big Blackwater River the word ~~BIG~~ can easily be added to name	383760 Recent U.S.G.B.
11		384760
12		384762
13		"
14		"
15		"
16		383762
17		"
18		(382761) U.S.G.B.
19	Name should be placed a little farther south, as main part of village is near road junction.	"
20	Apply according to county road map-L.H.	"
21		383761
22	The long list of names shown as "not on compilation" should be checked when the name sheet arrives.	
23	Many or most of these names should be added to this	
24	sheet, or else it and the one to the eastward (T-8108) will show many fewer names than all the	← Note
25	surrounding quadrangles. Corrections have been made to this additional names.	
26		
27		

M 234

GEOGRAPHIC NAMES

Survey No. T-8109

GOLDEN HILL quadrangle

No. 1 Name on Survey	On Chart No. A,	On previous survey No. B,	On U. S. quadrangle Maps C,	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Church Creek										1
Woolford										2
Buttons Creek										3
Buttons Neck										4
Hudson Creek										5
Coulson Pond										6
Raymond Pond										7
Meekins Creek										8
Gum Swamp (village)										9
Blackwater River										10
Blackwater National Wildlife Refuge										11
Slaughter Creek										12
Upper Keene Broad										13
Beaverdam Creek (east tributary to Slaughter Creek)										14
~~Scallop Point Cut~~										15
Great Marsh Creek										16
Wallace Creek										17
Honga River										18
Golden Hill										19
Lower Keene Broad										20
Worlds End Creek										21
										22
										23
										24
See additional name on following pages.										25
										26
										27

Names underlined in red approved by L. M. Heck on 11/11/42

M 234

T-8109

No. 2

	Remarks	Decisions
1		383761
2		"
3		"
4		"
5		383762
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		384761
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8109

GOLDEN HILL quadrangle

No. 2 Name on Survey	On Chart No. A,	On previous survey No. B,	On U. S. quadrangle Maps C,	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Blackwater (scattered settlement)										1
White Oak Swamp										2
Crossroads										3
Hell Hook Marsh										4
Wallace Creek Marsh										5
The Abscess										6
House Point										7
Dicks Point										8
Sols Point Gut										9
Uncle Robert Creek										10
Hickory Point										11
Hickory Point Gut										12
Great Marsh										13
Shenton Creek										14
Spicer Creek										15
Sunken Island Swamp	in T-8108									16
Cow Point										17
Cow Point Marsh										18
Fishing Creek										19
Gum Swamp (swamp, large area)										20
Meekins Creek Marsh										21
Riggins Corner										22
Spriggs Island										23
Rowland Island										24
Mill Cove										25
Bettys Island										26
Hog Range										27

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T-8109

No. 3

	Remarks.	Decisions
1		384761
2		"
3		"
4		"
5		"
6		"
7		" 385761
8		"
9		"
10		"
11		"
12		384762
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		385762
27		

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GEOGRAPHIC NAMES

Survey No. T-8109

No.	Name on Survey	On Chart No. A,	On previous survey No. B,	On U. S. quadrangle Maps C,	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K
1	Hog Range Marsh									
2	Gum Island									
3	Kentuck Swamp									
4	Church Creek Fire Lookout Tower									
5	Old Field	(settlement)								
6	Birch Dam Creek									
7	Church Creek	(town: most of it is on next north quad.)								
8	Harrisville									
9	Wheatley Neck									
10	Woods Island									
11	White Marsh Creek									
12	Russell Swamp									
13	Keenes Wharf									
14	Walnut Landing									
15	Moneystump Swamp									
16	Hog Marsh Gut									
17	Piney Gut									
18	James Island									
19	Woolford Island									
20	Plantation Point									
21	Parsons Creek									
22	Piney Swamp									
23	Peters Neck									
24	Out Back	(suburbs of Madison								
25	Corsey Creek									
26	Madison									
27	Dorchester County									

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T-8109 No. 4

	Remarks.	Decisions
1		Road Maps
2		"
3		"
4		
5		Dorchester Co. Map 1928
6		"
7		"
8		"
9		
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GEOGRAPHIC NAMES

Survey No. T-8109

No. 4

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	K	
State Highway No. 335										1
State Highway No. 336										2
State Highway No. 16										3
Political subdivisions:										4
Lakes No. 5										5
Taylors Island No. 4										6
Church Creek No. 9										7
Madison No. 16										8
										9
				Names underlined in red approved						10
				by L. Heck on 2/6/43						11
										12
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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.

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, driveways, 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 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 "blueline" 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-8109

GOLDEN HILL 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

See next page for the discussion of the horizontal accuracy tests. No vertical accuracy test was performed on this sheet as there were no contours.

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-255	1:20,000	1848
T-256	1:25,000	1848
T-2564	1:25,000	1902
T-5718	1:10,000	1941
T-5719	1:10,000	1941

Only a very small area of T-5718 and T-5719 is common to T-8109.

"Crapo"	1:62,500	1905	U.S.G.S.

Comparison with Nautical Charts Nos. 1225

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:

The details of T-8109 are complete and adequate for chart correction.

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

Horizontal accuracy tests near the northern edge of the sheet show errors in excess of allowable values. In addition to this the survey did not make a satisfactory junction with T-8244 to the north. Because of this, the radial plot was checked and found to be in error. For discussion of the plot and errors, see report of this check filed with the Descriptive Report for T-8108. The survey was corrected and redetailed along its northern edge by personnel in the Washington Office. A horizontal accuracy test in the southern portion of the sheet showed no excessive errors. Results of these accuracy tests are tabulated and attached to this report.

Reviewed 12/23/42 By Jack L Richm
under direction of D. H. Benson

Inspected by B. G. Jones

Examined and approved:

Robert W King
Chief, Surveys Branch

F. S. Borden
Chief, Div. of Charts

K.T. Adams
Chief, Topography Section

G Rude
Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. _____

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
11/13/45	3331	J. S. Murray	~~Before~~ After Verification and Review
6/9/47	551	[illegible]	
9-49	553	E B Hunt	~~Before~~ After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.