

8150

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey - Air Photographic

Sheet

Field No. T-8150 Office No.

LOCALITY

State Maryland

General locality Chesapeake Bay

Locality Tangier Sound

Terrapin Sand Point Quadrangle  
N3800-W7552.5/7.5

194 2

CHIEF OF PARTY

Lieut. Comdr. F. L. Gallen

Lieut. Comdr. Kenneth G. Crosby

LIBRARY & ARCHIVES

DATE September 16, 1943

## DATA RECORD

T- 8150

Quadrangle (II): Terrapin Sand Point

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, and August 13, 1942Copy filed in Descriptive  
Report No. T- (VI)

Completed survey received in office:

Reported to Nautical Chart Section: ✓

Reviewed: 1/22/43 Applied to chart No. Date:

Redrafting Completed:

Registered:

Published:

Compilation Scale: 1:20,000

Published Scale:

Scale Factor (III): Unity

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

Reference Station (III): Otter (W.D.P. 1942)

Lat.: 38-00-15.721 (484.7 M) Long.: 75-53-48.719 (1188.7 m) Adjusted  
 15.75 505.6 48.76 1083.6 Unadjusted x  
 485.5 ✓ 1189.6 P. 310 2nd 2 P's

State Plane Coordinates (VI): *To be added later* P.K.  
*Maryland. Coordinate system, single zone:*

X = 4093,872.15 feet Y = 63,928.52 feet  
*Virginia coordinate system, South zone*  
 X = 2726008.90 feet Y = 618,106.98 feet

Military Grid Zone (VI) "A"

## PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8804	4/14/42	3:18	1:20,000	1.0

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

Mean Range: 1.7                      Spring Range: 2.0

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

Field Inspection by: J.C. Lajoie, & Douglas B.Hancock date: July 1942

Field Edit by: John R. Evans                      date: Oct. 1942

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

Projection and Grids ruled by (III) Washington 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. 1942

Detailed by: A. L. K. &amp; V. F. S. date: July 1942

Reviewed in compilation office by: J.A.G. & J.H.S.B. date: September 1942.

Elevations on Field Edit Sheet  
checked by: None date:

### STATISTICS (III)

Land Area (Sq. Statute Miles): 2

Shoreline (More than 200 meters to opposite shore): 13

Shoreline (Less than 200 meters to opposite shore): 9

Number of Recoverable Topographic Stations established: 4

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: None

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:



DESCRIPTIVE REPORT  
TO ACCOMPANY  
SHEET NO. T-8150

GENERAL

The general locality of the area covered by this sheet is in Maryland, Tangier Sound. It includes the northeast portion of Smith Island, northwest portion of Janes Island, western tip of Flatcap Point, Hazard Point and Little Deal Island.

Practically all of the land area is marsh broken up with small ponds. There is sand along the shoreline on small portions of Little Deal Island, Flatcap Point and Smith Island.

CONTROL

There is only one triangulation station within the limits of this survey sheet. It is Otter 1942 and was established by Lieut. Comdr. W. D. Patterson.

MAIN RADIAL PLOT

Main radial plot was taken from two main radial plots. These plots are described in descriptive reports for sheets T-8149 and T-8151.

INTERPRETATION OF PHOTOGRAPHS

The photographs were clear and no special trouble was experienced in their interpretation. The small portions of Janes Island, Flatcap Point and Hazard Point shown were drafted on sheet T-8151 and transferred to this sheet with the aid of the projector. This was necessary due to the lack of control and the difference in scale.

Additional radial points were cut in around Little Deal Island and Piney Island.

FIELD INSPECTION

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

JUNCTIONS

This sheet joins sheet No. T-8134 on the North, T-8151 on the East, T-8162 on the South and T-8149 on the West. All junctions are in good agreement.

GEOGRAPHIC NAMES

The geographic names on this sheet were taken from U. C. C. & G. Chart No. 1224. The description on picking card of H & T station BEA refers to "Little Island". Chart No. 1224 lists this island as "Little Deal Island".

Pending with  
USCB. L.A.

Respectfully submitted,

Vincent F. Simmons  
Vincent F. Simmons  
Jr. Engineering Draftsman

Forwarded by:

Kenneth G. Crosby  
Chief of Party....

DESCRIPTIVE REPORT TO ACCOMPANY  
T-8150 (TERRAPIN SAND POINT QUADRANGLE)  
War Mapping Project CS-278-C  
F. L. Gallen, Chief of Party

1, 2, 3, & 4

See Compilation Office Report

5 & 6

No contours appear on this sheet.

7.

The mean high water line was traced directly on the photographs at the time the field inspection was accomplished.

8.

No low water line is shown on the sheet.

9, 10, & 11

None of the objects referred to under these headings are found on this sheet.

12.

Four recoverable topographic stations were established for control of hydrographic surveys.

13, 14, 15, & 16.

None of these objects are found on this sheet.

17.

All boundary lines falling in this area are shown on the field edit sheet.

18.

For the source and recommendations on the Geographic Names appearing on this sheet refer to the "Special Report on Investigation of Geographic Names, Project CS-278-C (North)".

46.

The work on this sheet consisted entirely of visual verification :

of the correct interpretation of the office detailing of the topography in this area. Black ink was used to show additions made in the Salisbury Office, Green ink for deletions.

47.

It is felt that the amount and location of detail shown is adequate.

48.

No horizontal or vertical accuracy tests were made on this sheet.

49.

There is no bench mark on this sheet. Since there is only 2 sq. mi. of marshy land area on the entire quadrangle, and due to the cost of the field work required, no bench mark was established. Due to the marshy character of the ground no wye levels were run. From visual inspection the highest ground elevation on this sheet is two feet.

Submitted by

John R. Evans  
John R. Evans,  
Senior Photogrammetric Aid

Approved by

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



# 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.

T-3150

Remarks

Decisions

1		379758-60
2		380758
3		"
4		"
5	Apply James Island pending USCB decision James Island recent U.S.-G-B decision	379758-59 U.S.-G-B
6		379760
7		380760
8		380759
9		"
10		"
11		"
12		"
13		379758-59
14	Apply Little Deal Island pending decision of USCB Little Deal Island recent U.S.-G-B decision	381759 U.S.-G-B
15		"
16		"
17		381758
18		381759
19		"
20		"
21		"
22		
23		
24		
25		
26		
27		

# GEOGRAPHIC NAMES

Survey No.

T-8150

TERRAPIN SAND POINT quad.

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A,	B,	C,	D,	E,	F,	G,	H,	K,	
✓ <u>Tangier Sound</u>									1
✓ <u>Flatcap Point</u>	name shown in T8151?								2
✓ <u>Hazard Point</u>									3
✓ <u>Hazard Cove</u>									4
✓ <u>James Island</u>									5
✓ <u>Smith Island</u>									6
✓ <u>Back Cove</u>									7
✓ <u>Terrapin Sand Point</u>									8
✓ <u>Terrapin Sand Cove</u>									9
✓ <u>Otter Creek</u>									10
✓ <u>Joes Ridge Creek</u>									11
✓ <u>Barnes Landing Creek</u>									12
✓ <u>Barnes Cove</u>									13
✓ <u>Little Deal Island</u>									14
✓ <u>Piney Island</u>									15
<u>Lower Thorofare</u>									16
✓ <u>Manokin River</u>									17
✓ <u>Piney Creek</u>									18
✓ <u>Pin Point</u>									19
✓ <u>Webster Point</u>									20
✓ <u>Claw Point</u>									21
									22
									23
									24
									25
									26
									27

Names underlined in red approved  
by L. Heck on 11/13/42



## DIVISION OF CHARTS

### SURVEYS BRANCH

Review of Air Photographic Survey T-8150  
(Terrapin Sand Point Quadrangle) January 1943

This and the adjoining air photographic surveys were made for the preparation of topographic quadrangles for the War Department. The main divisions of the field surveys and office compilation in preparing these quadrangles are listed as follows for future reference:

#### FIELD WORK

1. Air photography
2. Field inspection for the identification of control and for the classification and clarification of planimetric details on the photographs
3. Leveling and contouring: Contouring was accomplished by planetable directly on prints of the air photographs.

#### PHOTOGRAMMETRIC OFFICES

4. Compilation of all planimetric details and of contours from the photographs onto a celluloid manuscript: This compilation of details was accomplished for all of the war mapping quadrangles in either the Baltimore or Tampa Photogrammetric Office.

#### FIELD WORK

5. Field edit and completion surveys: Upon completion of the manuscripts, prints were furnished to the field party for ground examination of the maps as to completeness. Necessary corrections were made by planetable. These surveys included systematic horizontal and vertical accuracy tests which are recorded in special report.



## WASHINGTON OFFICE

6. Review: Following the field edit the maps were reviewed in the Washington Office as regards conformance to specifications and to prepare them for smooth drafting.
7. Drafting and reproduction: Smooth color separation drawings were made on metal-mounted blue lines and the quadrangles were printed from these drawings.

The check list containing a record of all work in the Washington Office is filed in the Photogrammetric Section.

The map manuscripts were compiled at the scale of 1:20,000 and include information of interest to this Bureau, not all of which was shown on the printed quadrangles. For this reason a cloth back copy of the rough drawn manuscript will be filed in the vault, together with a cloth back copy of the printed quadrangle.

### Contemporary Hydrographic Surveys

None

### Comparison with Previous Surveys

T-270	1:20,000	1849
T-271	1:20,000	1849
T-272	1:20,000	1849-72
T-2550	1:20,000	1901-2
T-2551	1:20,000	1901
T-2556	1:20,000	1901
T-2575	1:20,000	1901-2

T-8150 indicates a gradual receding of the shoreline in this area. The shoreline at places has receded as much as 100 meters.

The details of T-8150 are complete and supersede the above previous topographic surveys for the portions it covers.

### Nautical Chart 1224 (printed 10-21-42) 1:80,000

The changes of shoreline on T-8150 are of sufficient importance to apply to the nautical chart.

Reviewed under Direction of D.H. Benson  
Inspected by: B.G. Jones

Robert W. Wines

Chief, Surveys Branch

K.T. Adams

Chief, Section of Topo-  
graphy

J. Borden

Chief, Division of Charts

G. H. de

Chief, Division of Coastal  
Surveys

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-8150

### 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.