

8166

8166

Form 504 Rev. June 1941	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
<i>Air Photographic</i> Photomicro Hydrographic	Sheet Survey No. T-8166 (Field) Quadrangle Parksley
VIRGINIA PARKSLEY QUADRANGLE N3745 W7537.5	
LOCALITY	
State	Virginia
General locality	Chesapeake Bay
Locality	Parksley
1948	
CHIEF OF PARTY	
Lieut. Comdr. Kenneth G. Crosby	
Lieut. Comdr. Wm. D. Patterson	

U. S. GOVERNMENT PRINTING OFFICE 315551

February 26, 1944

T8166

Form T-1

DATA RECORD

T-8166

Quadrangle (II): PARKSLEY

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

Field Office: Salisbury, Md.

Chief of Party: W. D. Patterson

Compilation Office: Tampa, Fla. Chief of Party: K. G. Crosby

Instructions dated (II III): 3-4-42
"Instructions for Defense Mapping Project
CS-278"

Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: 11/16/42

Reported to Nautical Chart Section: 11/42

Reviewed: 2/26/43 Applied to chart No. Date:

Redrafting Completed: 6/15/43

Registered: 2/23/45

Published: 12/6/43

Compilation Scale: 1:20,000

Published Scale: 1:31,680

Scale Factor (III): 1:00

Geographic Datum (III): N.A. 1927 Datum Plane (III): M.S.L.

Reference Station (III): Lee Mont, 1932

Lat. $36^{\circ} 46' 26.027''$ (802.4 m) $75^{\circ} 40' 58.815''$ (1439.4 m)
~~Lat. $36^{\circ} 46' 26.023''$ (802.3 m) Long. $75^{\circ} 40' 58.817''$ (1439.4 m) Adjusted~~
~~Unadjusted~~

State Plane Coordinates (VI):

Virginia coordinate system, south zone
X = 2,814,117.21 feet ✓ Y = 536,640.77 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>
8539	Apr. 13, 1942	11:24 A.M.	1:20,000	+ 1.70
8540	"	11:26	"	+ 1.70
8541	"	11:28	"	+ 1.70
8570	"	12:21	"	+ 1.42
8571	"	12:23	"	+ 1.42

Tide from (III): Predicted Tide Curve, Watts Island, Chesapeake Bay, Va.

Mean Range: 1.7 Ft.

Spring Range: 2.0 Ft.

Camera: (Kind or source) U.S. Coast & Geodetic Survey Nine-Lens
(Focal length $8\frac{1}{2}$ inches)

Field Inspection by: S. C. Dionisio, C.C. Fryer, date: May & June
H.M. Eldridge, Chas. F. Heiss 1942

Field Edit by: *Leo Levin, Asst. photo. Aid* date: *Dec, 1942*

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

Projection and Grids ruled by (III) Washington Offc. date: 9-10-42

" " " checked by: " " date:

Control plotted by: C. L. Bailey, Photo Aid date: 9-15-42

Control checked by: A. L. Kidwell, Jr. Topo. Engr. date: 9-16-42

Radial Plot by: Tampa Office Personnel date: 9-17-42

Detailed by: F. H. Elrod, Sr. Photo Aid date: 10-1942

Reviewed in compilation office by: J. A. Giles date: 11-1942
Prin. Photo Aid

Elevations on Field Edit Sheet

checked by: *Leo Levin, Asst. photo. Aid* date: *Dec, 1942*

STATISTICS (III)

Land Area (Sq. Statute Miles): 47.0

Shoreline (More than 200 meters to opposite shore): 44.4 Stat. Miles

Shoreline (Less than 200 meters to opposite shore): 18 " "

Number of Recoverable Topographic Stations established: 14 Stat. Mile

Number of Temporary Hydrographic Stations located by radial plot: 3

Leveling (to control contours) - miles: 57

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:

COMPILATION REPORT
TO ACCOMPANY
SHEET NO. T-8166
Parksley

CONTROL

The control on Sheet T-8166 was adequate for detailing. All stations could be held during the radial plot.

RADIAL PLOT

A discussion of the radial plot which included this sheet was made a part of the Descriptive Report for sheet T-8165.

DETAILING

Photographs, from which sheet T-8166 was detailed, were very clear and of good scale. Some difficulty was experienced with classification of vegetation; since, by comparison of similar areas on the photographs, it appeared that the Field Inspector had not been consistent in his classification of vegetation. The Field Inspectors interpretation of shore line at UPPER BERNARDS ISLAND, and several other points, was questionable, so the shoreline was drawn as it appeared on the nine lens photographs.

LANDMARKS AND AIDS TO NAVIGATION

Sheet T-8166 does not have any non-floating aids or landmarks within its limits.

HYDROGRAPHIC CONTROL

There are fourteen permanent recoverable ^{topographic} hydrographic and three temporary ~~hydrographic~~ stations on this sheet. ~~The hydrographic stations, "Hopkins" and "Doe" could not be picked on the office photographs so they were not shown on the survey sheet. (Hopkins" and "Doe" have been picked)~~

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

Sheet T-8166 was compared with a quadrangle compiled by the Corps of Engineers. No major discrepancies were noted.

COMPARISON WITH NAUTICAL CHARTS

Sheet T-8166 and U. S. Coast & Geodetic Survey Nautical chart No. 1223 (Scale 1:80,000) compare favorably. No major discrepancies were noted.

Respectfully submitted,

Frank H. Elrod
Frank H. Elrod
Sr. Photogrammetric Aid

Forwarded by:

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

FIELD EDIT REPORT
QUADRANGLE T-8166
Project CS-278-C
F.L. Gallen, Chief of Party

1. The area on this sheet is comprised of cultivated fields, wooded areas and marsh areas, about evenly divided, and includes the town of Parksley, Virginia.
15. Bridge classification was carried out in accordance with the instructions.
17. Political boundaries were obtained from maps issued by the Virginia State Roads Commission and were verified in the field.
18. Geographic names were taken from a special report CS-278-C submitted by A. J. Wraight.
46. All additions, deletions, and corrections were noted in the field on the map manuscript and transferred to the smooth copy on completion. The inking of the manuscript was done in accordance with the following scheme:

<u>FEATURES</u>	<u>COLORS</u>
Additions, bench marks, wye level elevations and crosses.	Black
Deletions	Green
Drainage features	Blue
Political boundaries	Purple
Vertical accuracy test	Orange.

47. The position and amount of detail on this manuscript is believed to be complete and accurate.
48. A vertical accuracy test was run in the vicinity of Lat. $37^{\circ}47'$ and Long. $75^{\circ}40'30''$. The contour is shown by an orange line connected to black dots. The black dots are the elevations obtained in the field.

Horizontal accuracy tests were run in T-8159 and T-8153.

Louis Levin Jr.
Louis Levin,
Asst. Photogrammetric Aid.

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

T-8166.

Remarks

Decisions

1		377 756
2		"
3		"
4		"
5	Pending with USGB <i>U.S.G.B. decision = Drummond Ponds</i>	"
6	Pending with USGB <i>USGB decision: at old location of News Town</i>	"
7	Settlement	"
8	Pending with USGB <i>OK = U.S.G.B. decision</i>	"
9		"
10		"
11		"
12		"
13		"
14		377757
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23	Settlement	"
24		"
25		"
26		"
27		"
M 234		

GEOGRAPHIC NAMES

Survey No. T-8166

PARKSLEY quadrangle

No. 1

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A,	B,	C,	D,	E,	F,	G,	H,	K	
✓ Parksley	✓								1
✓ Pastoria	✓								2
✓ Justisville	✓								3
✓ Lee Mont	✓								4
✓ NAN Drummond/Pond S	✓								5
✓ Centerville		name shown in	T-8167						6
✓ High Woods	✓								7
✓ Coards Branch	✓								8
✓ Lee Mont Branch	✓								9
✓ Oaks Landing	✓								10
✓ Parksley Airport	✓								11
✓ Whitesville	✓								12
✓ Blackstone Crossing	✓								13
✓ Hopkins	✓								14
✓ The Notch	✓								15
✓ Bagwell Creek	✓								16
✓ Doe Creek	✓								17
✓ Custis Point	✓								18
✓ Deep Creek	✓								19
✓ Hunting Creek Wharf	✓								20
✓ Real Point	✓								21
✓ Johnson Wharf	✓								22
✓ The Oaks	✓								23
✓ Shipyard Landing	✓								24
✓ Custis Cove	✓								25
✓ Wills Gut	✓								26
✓ Flannegan Point	✓								27

T-8166

No. 2

Remarks

Decisions

1	<i>omitted from black plate #8a.</i>	377757
2		"
3		"
4		378756
5		"
6		" USGB
7		"
8		"
9		"
10	Pending with USGB: applies to higher ridge along west side Guilford Creek, not to larger area as on compilation	" U.S.G.B
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18	Mill: not a settlement	"
19		"
20	<i>Not a settlement name (Heck)</i>	"
21		"
22		"
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8166

No. 2

Name on Survey

	A.	B.	C.	D.	E.	F.	G.	H.	K.	
✓ <u>Custis Bar</u>	✓									1
✓ <u>Steamboat Wharf</u>	✓									2
✓ <u>Dix Cove</u>										3
✓ <u>Bloxom</u>	✓									4
✓ <u>Hopeton</u>	✓									5
✓ <u>Guilford</u>	✓									6
✓ <u>Clam</u>	✓									7
<u>Cattail Creek</u>	✓									8
✓ <u>Young Creek</u>	✓									9
✓ <u>Jobes Island</u>	✓									10
✓ <u>Sandy Point</u> ✓ (in Guilford Creek)										11
<u>Muddy Creek</u>	✓									12
<u>Great Gut</u>	✓									13
<u>Bethel Branch</u>	✓									14
✓ <u>Guilford Church Branch</u>	✓									15
✓ <u>Winterville</u>	✓									16
<u>Mill Branch</u>	✓									17
✓ <u>Mason Mill</u>	✓									18
✓ <u>Katy Young Branch</u>	✓									19
✓ <u>Parker Landing</u>	✓									20
✓ <u>Marks Island</u>	✓									21
✓ <u>Peters Thump</u>	✓									22
✓ <u>Cedar Cove Gut</u>	✓									23
✓ <u>The Ridge</u>	✓									24
✓ <u>Graven Point</u>	✓									25
✓ <u>Cals Hammock</u>	✓									26
✓ <u>Bailey Ridge</u>	✓									27

T-8166

No. 3

Remarks

Decisions

1		378756
2	<i>omitted from black plate - Hfe.</i>	"
3		"
4		"
5		"
6		"
7		"
8	<i>omitted from black plate - Hfe.</i>	"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		" USGB
18	Apply pending decision of USGB	378757 "
19	Apply pending decision of USGB	" "
20	Apply pending decision of USGB	" "
21	Apply pending decision of USGB	" "
22	<i>omitted from - black plate Hfe.</i>	" USGB
23		"
24	Apply pending decision of USGB	" "
25		"
26	Apply pending decision of USGB	" "
27	Apply pending decision of USGB	" "
M 234		

GEOGRAPHIC NAMES

Survey No. T-8166

No. 3
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>Byrds Marsh</u> ✓									1
✓ <u>Bernard Flats</u> ✓									2
✓ <u>Old Tree Island</u> ✓									3
✓ <u>Poulson Point</u> ✓									4
✓ <u>Rock Gut</u> ✓									5
✓ <u>Island Field Cove</u> ✓									6
✓ <u>Pettigrew Bend</u> ✓									7
✓ <u>Old Tree Bar</u> ✓									8
✓ <u>Old Cove</u> ✓									9
✓ <u>Bridge Gut</u> ✓									10
✓ <u>Justis Gut</u> ✓									11
✓ <u>Guard Shore</u> ✓									12
✓ <u>Annis Point</u> ✓									13
✓ <u>Brewer Gut</u> ✓									14
✓ <u>Cedar Island</u> ✓									15
✓ <u>Rue Gut</u> ✓									16
✓ <u>Guilford Creek</u> ✓									17
✓ <u>Flood Point</u> ✓									18
✓ <u>Bernard Islands</u> ✓									19
✓ <u>Lower Bernard Island</u> ✓									20
✓ <u>Upper Bernard Island</u> ✓									21
✓ <u>Guilford Flats</u> ✓									22
✓ <u>Bagwell Cove</u> ✓									23
✓ <u>France Creek</u> ✓									24
✓ <u>Little Back Creek</u> ✓									25
✓ <u>Zare Marsh Point</u> ✓									26
✓ <u>Ebb Point</u> ✓									27

T-8166

No. 4

Remarks.

Decisions

1		378757
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18	<i>Left off black Plate - name refers to mud flats off shore HSA -</i>	"
19	<i>omitted from black plate HSA</i>	"
20		"
21		378758-60
22		Railway Guide
23	Form adopted by Virginia Legislature Jan 15, 1940	
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-8166

No. 4
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.	
✓ Cedar Cove	✓								1
✓ Simpson Point	✓								2
✓ Simpson Bend	✓								3
✓ Peters Point	✓								4
✓ Peters Hammock	✓								5
✓ The Ditches	✓								6
✓ Dix Hammock	✓								7
✓ Weir Point ✓									8
✓ Jacks Island	✓								9
✓ The Thorofare	✓								10
✓ Thorofare Hill	✓								11
✓ Halfmoon Point	✓								12
✓ Halfmoon Island	✓								13
✓ Sandy Point ✓ (in Hunting Creek)									14
✓ Hunting Creek	✓								15
✓ Webb Island	✓								16
✓ Canoeas Point	✓								17
✗ Back Shore	✓								18
✗ Herron Island Bar	✓								19
✓ Beasley Bay	✓								20
✗ Pocomoke Sound	name shown in T-8165								21
✓ Pennsylvania R.R.	✓								22
✓ Accomack County	✓								23
✓ Bay Side Road	✓								24
✓ <u>Pastoria</u>	✓								25
									26
									27

Names underlined in red approved
by L. Heck on 1/7/43

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, ~~march~~, 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 ~~Baltimore~~ Tampa Photogrammetric Office.

FIELD EDIT

Comparison of a copy of the manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.

Accuracy Tests - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

PROCESSING IN THE WASHINGTON OFFICE

Review - Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

Drafting and Reproduction - Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blue-line" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8166

PARKSLEY 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 the nearest horizontal accuracy test. The vertical accuracy test was performed on the field edit sheet for this quadrangle in the vicinity of the Parksley Airport. The section of the contour tested was not displaced by more than half a contour interval, the maximum deviation being less than 2 ft. 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-349	1:20,000	1851	
T-529	1:20,000	1851	
T-308	1:20,000	1850	
T-868	1:20,000	1862	
T-2647	1:20,000	1904	
Hallwood	1:62,500	1919	U.S.E.

Comparison with Nautical Charts Nos. 1221 and 1223

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:

There are now four islands in the Bernard Island group instead of two, and five islands in the Halfmoon group instead of three as shown on the chart. It is recommended that these be added when the chart is revised.

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

Only minor changes were necessary during the review of this quadrangle.

Reviewed 2/26/43 By H. W. Bellinger
under direction of D. H. Benson *per J. H. S.*

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

Examined and approved:

Charles Price
Chief, Surveys Branch

K. T. Adams
Chief, Topography Section

L. S. Bonden
Chief, Div. of Charts

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

NAUTICAL CHARTS BRANCH

SURVEY NO. _____

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.