ORIGINAL

8116

8116

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic Topographic

Field No. 26 *Office No.* T-8116

LOCALITY

State Maryland

General locality Patuxent River

Locality Solomons Island

1943

CHIEF OF PARTY

F.L. Gellen and

Fred. L. Peacock

LIBRARY & ARCHIVES

DATE January 13, 1947

B-1870-1 (1)

Form T-1

DATA RECORD

T-8116

Quadrangle (II):
Solomons Island 7½ minute Quadrangle
Drum Point 15 minute Quadrangle

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

Field Office:
War Mapping Field Party No. 1

Chief of Party:
Wm. D. Patterson
F. L. Gallen.

Compilation Office:
Baltimore Field Office

Chief of Party:
Fred. L. Peacock

Instructions dated (II III):
March 4, 27; June 5, 24;)
Aug. 13, 27; Sept. 3, 4;) 1942

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

Completed survey received in office: 2/26/43

Reported to Nautical Chart Section: 2/27/43

Reviewed: 5/15/43 Applied to chart No. Date:

Redrafting Completed: 7/1/43

Registered: 11/46 Published: 1944

Compilation Scale:
1:20,000 x 1.0079= 1:20,158

Published Scale: 1:31,680

Scale Factor (III):
.99216

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

Reference Station (III): Stone

Lat.: 38° 18' 10.371" 319.8m (1530.2)m Long.: 76° 24' 59.884" 1455.1m (2.7)m Adjusted

State Plane Coordinates (VI):
Maryland Single Zone

X = 967,414.01 Y = 171,532.85

Military Grid Zone (VI) "A"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
Nine Lens				
8919 to 8921	4/15/42	2:06 - 2:08p.m.	1:20,000	1.0' above M. L. W.
8922	4/15/42	2:10p.m.	1:20,000	1.0' above M. L. W.
8928 to 8930	4/15/42	2:25 - 2:27p.m.	1:20,000	1.0' above M. L. W.
8937 to 8938	4/15/42	2:44 & 2:47p.m.	1:20,000	1.0' above M. L. W.
Single Lens Soil Conservation Service Photos.				
AHX 10-12 to 10-19 Inc.	4/24/38	unknown	1:20,000	unknown
AHX 10-40 to 10-44 Inc.	4/24/38	unknown	1:20,000	unknown
AHX 10-67 to 10-71 Inc.	4/24/38	unknown	1:20,000	unknown
AHX 10-93 to 10-96 Inc.	4/24/38	unknown	1:20,000	unknown
AHS 10-45 to 10-47 Inc.	4/24/38	unknown	1:20,000	unknown
AHS 10-63 to 10-66 Inc.	4/24/38	unknown	1:20,000	unknown
AHS 10-97 to 10-99 Inc.	4/24/38	unknown	1:20,000	unknown

Tide from (III): **Tables of predicted tides, reference station Baltimore, Md. with time correction for Drum Point, Patuxent River**

Mean Range: **1.2'** Spring Range: **1.4'**

Camera: (Kind or source) **U.S.C.&G.S. nine lens camera (focal length 8¼"). Single lens 9" x 9" contact prints obtained from Soil Conservation Service, U.S. Department of Agriculture.**

Field Inspection by: **Horizontal Control: D. L. Greene** date: **May-July,1942**
Shoreline: J.C.Lajoye, D.B.Hancock **July-Aug.1942**
Cultural Features: T.A.Zary & G.E.Varnadoe **Nov.,'42-Jan.,'43**

Field Edit by: Orvis N. Dalbey and Louis Levin date: Mar.-Apr. 1943

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

Same as date of nine lens photographs

Projection and Grids ruled by (III) **Washington Office** date: **9/42**

" " " checked by: **Washington Office** date: **10/7/42**

Control plotted by: **J. Edward Deal, Jr.** date: **11/3/42**

Control checked by: **Harry L. Spaulding** date: **11/6/42**

Radial Plot by: **J.Edward Deal,Jr. & Joseph Steinberg** date: **11/9/42**

Detailed by: **John P. Kubasco** date: **11/18/42 to 1/25/43**

Contours by: John P. Kubasco & Wm. H. VanLoon **2/16-26/43**

Reviewed in compilation office by: **Wm. H. VanLoon** date: **1/25 to 2/26/43**

Elevations on Field Edit Sheet checked by: L.G.Chambers date: 3/21/43

STATISTICS (III)

Land Area (Sq. Statute Miles): 39

Shoreline (More than 200 meters to opposite shore): 38

Shoreline (Less than 200 meters to opposite shore): 45

Number of Recoverable Topographic Stations established: 24

Number of Temporary Hydrographic Stations located by radial plot:
13 Stations

Leveling (to control contours) - miles: **14.5 Statute Miles**

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: **Contours by G. E. Varnadoe & T.A.Zary, Nov., 1942 - Jan., 1943**

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-A, 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 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 "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.

FIELD INSPECTION REPORT
QUADRANGLE T-8116
Project CS- 278- A
F.L.Gallen, Chief of Party

1- DESCRIPTION OF AREA - The northern part of this quadrangle covers the lower end of a peninsula lying between the Chesapeake Bay and the Patuxent River. The drainage is mostly into the Patuxent River and streams flowing into the Bay are seldom over 1/2 mile long. Although the maximum elevation is only about 130 feet the country is very rugged and cut-up with small streams and gulleys except for a few square miles of flat land near the south and west sides of the peninsula. The transition between the flat and ragged country is very sharp, usually taking place within a few hundred feet. The flat areas mentioned above constitute the best farm land and are the only areas extensively farmed. In the rugged areas some of the ridge tops are cleared and farmed. The remainder of the areas is covered with a moderate to heavy growth of pine and deciduous trees and brush. Pine trees predominate on the ridges and deciduous trees in the valleys.

All of the streams have a dendritic drainage pattern, with steep gradients and V-shaped valleys near the heads, and a flatter gradient and U-shaped valleys lower down. About 60 percent of the total drop of the streams is usually found in the first 1,000 to 1,500 feet of the stream. Small marsh areas are usually found at the mouths of the streams.

Most of the shoreline has a small bluff in back of it. Bluffs about 100 feet high are found along the Bay.

South of the Patuxent River a narrow strip lying north of the "Three Notch" road drains into the above river. This area is similar to the land north of the river, with the rugged portion lying immediately north of the highway. South of the highway the drainge is south to the Saint Marys River and the land is less rugged and more of the area is farmed.

2. COMPLETENESS OF FIELD INSPECTION - The field inspection is complete on all items except highway numbers and road names.

3. INTERPRETATION OF PHOTOGRAPHS - The photographs are typical for areas of this type.

4. Same as for T-8143.

5. Same as for T-8148.
No errors were found in level elevations.

6. CONTOURS AND DRAINAGE - T. H. Walker, North of the Patuxent River. Same as for T-8111.

The contours within the two Federal Reservations near Solomons Island were transferred from contour maps in the possession of the contractors for the projects. No copies of these maps were obtained for forwarding with the photographs.

G. E. Varnadoe - South of the Patuxent River.
Same as for T-8148.
There were no large closures of vertical traverses. Some traverses were closed on the water level in the Patuxent River by noting the stage of the tide.

Most of the Patuxent River Naval Air Station has been contoured with a 2 foot contour interval and a map showing 10 foot contours is enclosed with the photographs. The area not contoured on the above map is contoured on Photograph 8930.

7 - 16. Same as for T-8148.
BOUNDARY MONUMENTS AND LINES
17. There are three Federal Reservations within this quadrangle.

U. S. Naval Mine Warfare Proving Ground, near Solomon Island. The boundary line shown pn photograph 8921 was obtained from the Engineering force on the project, but no map was secured for forwarding. The inner boundary follows the west side of the highway in the same position as the power line shown on the photograph.

Amphibious Force Training Base, near Solomon Island. The boundary line at the north edge of the area, shown on photograph 8921, was obtained from the Engineering force on the project, but no map was secured for forwarding. The remainder of the boundary follows the water line.

U. S. Naval Air Station, Patuxent River, Md.
Part of the boundary of this reservation has been plotted on Photograph 8930. A map is being forwarded with the photographs showing the boundary line traverses and the coordinates of several points in the traverses. The coordinate system may be transferred to the Map Manuscript by the listed coordinates of the 5 points picked on Photographs Nos. 8920 and 8930, and with the coordinates shown on the above map. This coordinate system will also be needed to transfer the contours.

Locally the reservation is known as the "Cedar Point Naval Air Station" but the U. S. Navy calls it the "U.S.Naval Air station, Patuxent River, Md." The use of the latter name by the Navy is to avoid confusion with an "Oak Creek" base in North Carolina, I believe.

18. Same as for T-8114.

Submitted by,
G.R.Fish
G.R.Fish, Lieut. U. S. C. & G. S.

Approved and forwarded:
F.L.Gallen
F.L.Gallen, Chief of Party.

26 Control:

Eleven triangulation stations and two reference monuments fall within the limits of this map manuscript; and seven triangulation stations fall just beyond the limits of this map manuscript.

Those triangulation stations within the limits are:

Calvert, 1854, 1934
Chase, 1942
Cedar Point Water Tank, 1932, 1934
Cedar Point 2, 1934
Barreda, 1934
Barreda House Cupola, 1898
Collison, 1942
Ben R. M. 1907, 1908
Solomons Methodist Episcopal Church, 1908
K. of P. Flagstaff, 1908
Drum Point Light House, 1890
Stone, 1934
Stump R.M., No. 1

Those triangulation stations just beyond the limits are:

Spalding, 1934
Jacobson, 1942
Cedar Point Light House, 1897
Sottler, 1934
Point Farm, 1934
Cove Point Light House, 1942
Great Mills Lookout Tower, 1942

27 Radial Plot:

The radial plot for this map manuscript is described in Section 3 of the descriptive report for the radial plot of sub-projects CS-278-A and CS-278-D, which has been previously submitted.

28 Detailing:

Nine lens photographs were used for detailing this map manuscript. The 9" x 9" single lens photographs were used extensively as supplementary reference in cases where definition on the nine lens photographs was poor. The stereoscope was used in the interpretation of all marsh areas and drainage. Field inspection was satisfactory except for a small portion of the Southwest corner of this survey, where it will be necessary to obtain classification of all roads and wooded areas during the field edit. Shoreline was well covered by field inspection.

Most of the planimetric detail in the area covered by the Cedar Point Naval Air Station has been omitted as per instructions. Only detail as compiled previous to the receipt of these instructions is shown. However, all contours in this area as furnished by the field inspection party to this compilation office, have been shown.

28 Detailing: (cont'd)

The drainage as shown on the field inspection photographs was examined on the office photographs, stereoscopically. Wherever the results of this examination was in disagreement with the field inspection or field contouring, contours have been adjusted to fit the drainage, as interpreted at the compilation office.

29 Supplemental Data:

Previous Surveys No. T-2861, dated 1907 & 1908, scale 1:20,000, T-2868 dated 1908, scale 1:20,000, T-2107 dated 1893, scale 5,000, T-256 & T-25[illegible] dated 1848 scale 1:20,000 cover the detailed portion of this survey. However, copies of these surveys are not available to this compilation office.

Copies of a ground plan of the Cedar Point Naval Air Station were furnished this compilation office by the Washington Office and by the Field inspection party and are to be destroyed as instructed.

30 Mean High Water Line:

The Mean High Water line was detailed in accordance with the field inspection, making use of the stereoscope to interpret any portions not clearly discernible to the compiler.

31 Low Water & Shoal Lines:

No low water areas or shoal lines were indicated on field inspection photographs. Shoal lines were detailed after office examination from the nine lens office photographs.

32 Details Offshore from the High Water Line:

A small sand bar and sand Island east of Cedar Point are the only offshore details shown on this map manuscript.

33 Wharves and Shoreline Structures:

Wharves and shoreline structures were detailed after a careful study had been made of the nine lens office photographs, in conjunction with the field inspection data.

34 Landmarks and Aids to Navigation:

No landmarks appear on this survey. Two aids to navigation, Drum Point Lighthouse F.W., 3r Sectors, and Cedar Point Lighthouse Fl. W., 3 sec. are also triangulation stations. The geographic positions were comfirmed during the compilation of this map manuscript.

35 Hydrographic Control:

There are 21 Recoverable Topographic Stations which have been radially plotted within the limits of this map manuscript and which may be useful for future hydrographic surveys. They are:

35 Hydrographic Control: (cont'd)

*Avondale Catholic Ch. 1942	Silver, 1942
Bit, 1942	Silo, 1942
Cove, 1942	Pine, 1942
Cot, 1942	Mill 2, 1942
Fred, 1942	Nor, 1942
Gable, 1942	Pal, 1942
Hel, 1942	Pear, 1942
Hut, 1942	Wood, 1942
Mill 1,1942	Tree, 1942
*Avondale Catholic Church Cross, 1908	Town, 1942
is listed in Special Pub. No. 114 as a tri-	Story, 1942
angulation station. Subsequent investiga-	Solomons Tidal B.M. No. 4, 1942
tion by the field inspection party indicates	
this church has been moved to a new location.	

Descriptions and geographic positions of these Recoverable Topographic Stations are submitted herewith on Form No. 524.

37 Discrepancy Overlay:

A discrepancy overlay has been prepared to accompany this map manuscript. On it are noted such discrepancies and omissions as were observed during the detailing. Such comments, questions and notes as are deemed likely to be of assistance in the course of the field edit, have also been included. Also shown, are descriptions of 13 temporary hydrographic stations. Names or numbers of all bench marks have also been recorded on the discrepancy overlay for the use of the Baltimore Compilation Office.

38 Geographic Names:

Only undisputed geographic names as prepared and furnished by the field inspection party on the U. S. Geological Survey, 15 min. Drum Pt., Md. Quadrangle appear on this map manuscript.

A complete geographic name list compiled from the above data, designating undisputed names, disputed names and recommended names, has been prepared by this compilation office and is attached to this report.

39 Horizontal Accuracy:

The horizontal accuracy of this map manuscript is believed to be within the limits as set forth, for well-defined points and less well-defined points of detail, in the instructions for Project CS-278, Paragraph 54, dated March 4, 1942.

40 Recommendation for Future Survey:

The planimetric detail, as presented on this map manuscript, is believed to be complete, but is subject to corrections, additions and deletions by the field edit party.

41 Junctions:

The following satisfactory junctions with this map manuscript have been made:

To the North: T-8111 - complete
To the South: T-8138 - complete
To the West: T-8442 - Junction of detail points only

There is no contemporary survey to the east of this map manuscript.

42 Azimuth Reference Monuments:

There are three Azimuth Reference Monuments which fall within the detailed limits of this map manuscript, namely:

Collison R. M. 3
Stone R. M. 2
Chase R. M. 3

The descriptions and geographic positions are submitted herewith on Form No. 524.

43 Remarks:

The area within the limits of this map manuscript consists of approximately 68% land area and 35% water area. The land being divided by the Patuxent River, presents a considerable length of shoreline, which is extensively indented by bays, creeks and inlets.

The field inspection party has provided an adequate description of the land area covered by this map manuscript in paragraph 1 of the field report.

44 Comparison with Existing Topographic Quadrangles:

In comparing Survey No. T-8116 with the U. S. G. S. Quadrangle of Drum Point, Md.; it was found that Barrett Island is considerable reduced in size since the date of publication of the above mentioned quadrangle. It was also found, that considerable erosion has taken place at the eastern most tip of Cedar Point.

45 Comparison with Nautical Charts:

In comparing this map manuscript with Chart No. 539, reissued July 29, 1942; it is noted that the same change at Cedar Point as noted in paragraph 44 is evident.

Upon completion of the field edit, this map manuscript will adequately portray all topographic and shoreline details and should supersede the previously charted topographic information in this area.

Respectfully submitted,
February 26, 1943

John P. Kubasco
John P. Kubasco
Photogrammetric Aid

Map Manuscript, Discrepancy Overlay and Descriptive Report reviewed by,

William H. VanLoon
William H. VanLoon
Pr. Photogrammetric Aid

Compilation of Map Manuscript Supervised by,

Joseph Steinberg
Joseph Steinberg
Asst. Photogrammetric Engineer

and

J. Edward Deal Jr.
J. Edward Deal, Jr.
Asst. Photogrammetric Engineer

Approved & Forwarded,
March 1, 1943

Fred. L. Peacock
Fred. L. Peacock
Officer-in-Charge
Baltimore Field Office

LIST OF GEOGRAPHIC NAMES

Undisputed

Back Creek
Barrett Island
Big Ship Point
Big Fresh Creek
Bow Cove
Bradley Pond
Brick Landing
Brooks Cove
Brown Cove Creek
Burrell Branch
Cedar Point
Cedar Point Naval Air Station
Cherry Hill
Cleve Branch
Cobb Creek
Cobb Landing
Coles Creek
Cove Point Hollow
Coster Cove
Coster
Dowell
Drum Point Pond
Drum Point
Esperanza
First Cove
Fishing Point
Fords Creek
Fresh Pond
Green Holly Pond
Harper Creek
Hellen Creek
Hodgson Pond
Hog Point
Hominy Creek
Hutchins Cove
Hutchins Point
Hill Run
Jarboesville

Jarboesville Run
Jones Point
Leason Cove
Lewis Creek
Little Cove Point
Little Fresh Creek
Little Drum Point Pond
Little Ship Point
Lusby Point
Lusby Cove
Ma Leg Island
Mill Creek
Mill Hill Pond
Mill Stone Landing
Mewtown
Old House Cove
Olivet
Pancakes Point
Patuxent River
Parker Moore Creek
Pile Driver Cove
Point Patience
Sandy Point
St. John Creek
Second Cove
Spencers Cove
Solomons Island Bride
Solomons Island
Spring Cove
Susquehanna Wharf
The Narrows
Third Cove
Tongue Cove
Town Point
Town Creek
Turner Cove
Turkey Bar
U. S. Amphibious Training Base

LIST OF GEOGRAPHIC NAMES

Recommended	Disputed
Appeal (USGS)	Frazier
Big Kingston Creek	Kingston Creek
Chungerford Creek	Chumkford Creek
Helen Bar	Hellen Creek
	Ellen Bar
Johnstown	Johnston
	Avondale
Pearson Creek (USGS)	Parson Creek
St. Marys County (")	St. Marys County
Thomas Point	Town Point (USGS)
Purgatory Cr.	Potted Cr.

FIELD EDIT REPORT
TO ACCOMPANY
DESCRIPTIVE REPORT ON QUADRANGLE T-8116

46. The field edit was done by visual inspection on the field edit sheet and transferred to the smooth sheet in the office.

The inking was done in accordance with the following scheme.

Features	Colors
Additions, bench marks, wye level elevations and crosses	Black
Deletions	Green
Contours, elevations by topo.	Brown
Drainage features	Blue
Civil boundaries	Violet

47. The position and amount of detail on this sheet is believed to be accurate and complete.

48. The horizontal accuracy test was run in quadrangle T-8116 and quadrangle T-8138.

The vertical accuracy test is the subject of a report submitted by Lieut. G. R. Fish on project CS-278-A.

11. All aids to navigation were checked by planetable.

49. Due to the obscurity of the field edit sheet of quadrangle T-8116, it was not possible to accurately check the detail, such as buildings, etc. However, these buildings and topographic features have been inspected on the field photos and it is assumed that the office can obtain any additional information from them.

Respectfully submitted by,

Orvis N. Dalbey Fld

Orvis N. Dalbey,
Photogrammetric Aid.

Approved and forwarded:

F. L. Gallen

F. L. Gallen,
Chief of Party.

Form 567
(Rev. April 1942)

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-9116

~~LANDMARKS FOR CHARTS~~
AIDS TO NAVIGATION

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

Colonial Beach, Va. April 13th, 1943

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.

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

GENERAL LOCALITY SOLOMONS ISLAND, MD.

NAME AND DESCRIPTION	POSITION				DATUM	METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	LATITUDE		LONGITUDE								
	° ′	D. M. METERS	° ′	D. P. METERS							
Solomons Island Wharf Light	38 19	67	76 27	107	N. A. 1927	Plane-table	1943			Prev. 553	569, 1224
Solomons Island Shoal Light	38 19	303	76 27	43	"	"	"				" "
Back Creek Light "2"	38 19	560	76 27	472	"	"	"			Prev. 553	" "
Back Creek Beacon "4" (Shown on nautical chart as Light "4")	38 19	838	76 27	978	"	"	"				" "
Back Creek Light "5"	38 19	1096	76 27	658	"	"	"				" "
Back Creek Beacon "7"	38 19	1442	76 27	671	"	"	"				" "
Point Patience Light	38 19	1562	76 29	46	"	"	"				" "

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 16—27869-1

HORIZONTAL ACCURACY TEST
PROJECT CS-278-A TRAVERSE LINE NO. 2
QUAIRANGLES NOS. T-8116, T-8138 and T-8139.

This test consists of a traverse between triangulation stations COLLISON, 1942, and HEWITT, 1934. The traverse is 7.95 statute miles long and the closing error is 1.05 meters, or 1 part in 12,200. The closing error was adjusted through the traverse. Twenty-three test points were computed. In the tabulation the geodetic position as given by the traverse is referred to as T. No. and the scaled position from the Map Manuscript is referred to as M. No. The "direction of displacement" refers to the direction of the scaled position from the geodetic position.

Test points Nos. 1 to 8 are in quadrangle No. T-8116, points 9 to 13 in T-8138 and points 14 to 23 in T-8139.

TABULATION OF TEST POINTS

Description of point	Test point Number	Latitude	Longitude	Displacement in mm.	Direction of displacement.
So. cor. large school building	T. No. 1 M. No. 1	38-15-964.5 965	76-26-355.6 355	.00	
Center of x-rd.-60 deg.	T. No. 2 M. No. 2	15-1752.3 1751	27-217.0 220	.16	SW
Center of house	T. No. 3 M. No. 3	15-1512.4 Blurred on M. M., not scaled.	27-645.6		
Center of Y-road. 40 deg.	T. No. 4 M. No. 4	15-1324.5 1320	27-1077.6 1082	.32	SW
B.M. D-38 (blurred on M. M.)	T. No. 5 M. No. 5	15-808.0 809.	28-633.5 636	.16	WNW
Center of house	T. No. 6 M. No. 6	15-804.9 809	28-682.3 685	.24	NNW
Center of T-rd.-80 deg.	T. No. 7 M. No. 7	15-683.3 684	28-861.8 860	.09	E
Center of T-rd.90 deg.	T. No. 8 M. No. 8	15-419.5 416	28-1345.9 1352	.34	SW
NE cor. of front wing, Great Mills H.S.	T. No. 9 M. No. 9	14-1598.2 1595	29-517.2 514	.23	SE

T-8116

9/38

Description of point	Test Point Number	Latitude	Longitude	Displacement in mm.	Direction of displacement.
Center of T-road-80 deg.	T. No. 10 M. No. 10	38-14-1517.4 1519	76-29-584.9 589	.22	NW
Center of house	T. No. 11 M. No. 11	14-1200.0 Blurred on M. M., not scaled	29-694.9		
Center of T-road 80 deg. (?)	T. No. 12 M. No. 12	14-776.9 791	29-944.8 935	.88	NE
Center of bridge	T. No. 13 M. No. 13	14-395.0 393	29-1300.0 1296	.22	SE
Center of x-rd. 30 deg.	T. No. 14 M. No. 14	14-462.6 454	30-104.5 86	1.00	ESE
SE cor. building	T. No. 15 M. No. 15	14-482.3 485	30-159.2 154	.29	NE
Center of T-rd. 90 deg.	T. No. 16 M. No. 16	14-575.9 580	30-1032.8 1020	.67	ENE
Center of Y-rd. 60 deg.	T. No. 17 M. No. 17	14-519.7 519	31-117.9 115	.14	E
NE cor. of store	T. No. 18 M. No. 18	14-503.3 495	31-553.4 548	.49	SE
Center of T-rd. 80 deg.	T. No. 19 M. No. 19	13-1373.1 1371	31-236.3 239	.16	SW
Center of x-rd. 80 deg.	T. No. 20 M. No. 20	13-927.4 922	31-187.1 178	.52	ESE
Center of house	T. No. 21 M. No. 21	13-550.4 557	31-49.1 54	.25	W
Center of School bldg.	T. No. 22 M. No. 22	12-1534.3 1534	30-1197.6 1191	.33	E
Center of Y-rd. 50 deg.	T. No. 23 M. No. 23	12-1132.0 1136	30-1147.4 1146	.21	NNE

Number of test points caled - 21; number of test points with a displacement exceeding .5 mm. - 4 (19%); maximum displacement, 1.00 mm.

Of the four points exceeding .5 mm., point No. 12 is questionable as to whether the correct road intersection was picked on the Manuscript and point No. 12 was a road intersection of only 30 degrees. Omitting these two points the number of test points with a displacement of more than 0.5 mm. is 2, or 10%. All other points selected were well defined points.

Positions scaled from Map Manuscript by E. L. M.
Scaled positions checked by P. F. C.

Submitted by,

Thos. B. Reed,
Lieut. Comdr., C. & G. S..

Approved and forwarded:

F. L. Gallen,
Chief of Party.

826

B.G. JONES

Put in back of attach to Lieut. Colbert T-8116

826

28-PFA
1990

December 10, 1942

To: Lieutenant Gilbert R. Fish,
U. S. Coast and Geodetic Survey,
War Mapping Field Party No. 1,
Mechanicsville, Maryland.

From: The Director,
U. S. Coast and Geodetic Survey.

Subject: Cedar Point Naval Air Station.

Reference: Your letter dated December 9, 1942.

In accordance with an agreement between this Bureau and the Office of the Chief of Engineers of the War Department no details of the Cedar Point Naval Air Station Reservation shall be shown on the topographic map quadrangles of this vicinity. The area shall be contoured but otherwise should appear on the maps as natural undeveloped land.

As you will note from the enclosed letter, I am endeavoring to obtain a copy of the plan of the Naval Air Station which you request and also permission for the entry of one of our field parties to contour the area which was not contoured on the Navy plan.

Since the topographic maps are not to show the results of the recent construction, you should not revise the contours of the Navy plan for any changes which have taken place caused by construction.

(Signed) L.O. COLBERT

~~Acting~~ Director.

Enclosure

Miss Jones
Put in dec report
T8116

826-RCR

March 3, 1943

To: Commander Frederic L. Peacock,
U. S. Coast and Geodetic Survey,
601-613 Gorsuch Avenue,
Baltimore, Maryland.

From: The Director,
U. S. Coast and Geodetic Survey.

Subject: Map Manuscript T-8116.

Ref: Supplemental Instructions dated January 13, 1943,
Project 278-A, Reference No. 28-PFA, 1990; and
Letter of March 1, 1943, from Photogrammetric Office.

With reference to the completion of contours within the Naval Air Station at Cedar Point, it was understood that Lieut. Fish was to supply a plan of the reservation from which the contours within the reservation would be transferred to T-8116 in the Photogrammetric Office.

This office will be glad to make the transfer of contours to T-8116, but has not yet received the plan of the Naval Air Station from Lieut Fish. It is thought that this plan may have been forwarded to the Baltimore Office. If this was the case, please forward the plan to this office immediately so that the contouring can be completed and copies of T-8116 furnished to the Office of the Chief of Engineers.

(Sgnd) J. H. HAWLEY

Acting Director.

POST-OFFICE ADDRESS: 601-613 Gorsuch Avenue, Baltimore, Maryland

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

826

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

March 1, 1943

KTA

To: The Chief, Topography Section
U. S. Coast & Geodetic Survey
Washington, D. C.

From: Chief, Air Photographic Party No. 2
U. S. Coast & Geodetic Survey
Baltimore, Maryland

Subject: Map Manuscripts for Surveys T-8111 and T-8116
Project CS 278-A

Referring to our telephone conversation of a week ago today, completed map manuscript T-8111 was mailed on February 23rd and completed map manuscript T-8116 was sent to the Washington Office by messenger on the morning of February 27th.

We worked extra shifts on the completion of Survey T-8116 and I was able to arrange that when the transfer of contours was completed, everything including the transfer of contours would be thoroughly checked. Unless there are additional contours still to come for the area of Cedar Point Naval Air Base, this manuscript is complete and need not be returned to this party. I am advised by the field party, however, that we have received all the field data contemplated with respect to Project CS 278-A.

Fred. L. Peacock

Fred. L. Peacock
Chief, Air Photographic Party No. 2

28 KTA

426

To: The Director
U.S. Coast & Geodetic Survey
Washington, D.C.

1944 MAY 10 AM 9:25

From: Wendell Bever
Junior Topographic Engineer
U.S. Coast & Geodetic Survey
Washington, D. C.

Subject: Field Edit of Patuxent Naval Air Base

Before field editing the Naval Air Station an assembly of plans and blue prints were obtained for reference and investigation. The Commanding officer, resident officer-in-charge, communications officer, and operations officer were contacted in an effort to elicit further information that would prove helpful in the course of field edit and obtaining aeronautical data. The personnel of this station were very helpful and cooperative during the survey.

To avoid duplication of work and to cut the field work to a minimum all aeronautical data was referenced on the field edit sheet in blue ink with suitablesnotes made on the map manuscript to simplify the understanding of certain details. For the most part all detail in blue is not to be shown on the published quadrangle.

Several large scale contour plans were placed in my disposal for use in re-contouring the base. These plans were checked in the field and found to be deficient for mapping due to three reasons.

(1) The total area included by all plans covered approximately 20 percent of the base.
(2) Overlap by adjacent plans pictured errors and differences between connecting contours of adjoining plans.
(3) Recent changes in land configuration affected the accuracy of all plans.

These plans were therefore dicarded and a re-survey of the base was made by visiting all areas where excavation and construction had displaced the contours. Standard planetable methods were used.

The new contours are shown in red ink.

In a few small areas where excavation and construction was being done no attempt was made to adjust the contours. Contouring in these areas would have been a waste of effort as it is improbable they would remain accurate for more than a month.

A large number of buildings, few roads, and a few railroad spurs were not shown on the field edit sheet. A new plan of the base, completed in April, 1944, was used in conjunction with the field edit sheet. All buildings, roads, etc, that should be shown on the published quadrangle were encircled with a dashed black line on the plans. It is believed that much of this detail can be taken from those photographs available in your office.

It is certain that much of this detail is present on the photographs at an early stage of construction and can be compared against the plan for location.

Other than the shoreline, the accuracy of this plan should be within the required limits of accuracy and can be reduced in scale to allow plotting of all detail. It is felt greater accuracy can be attained by this method rather than by planetable and chaining.

If it should prove necessary to locate wooded areas they can be detailed from the photographs satifactorily.

According to Lt. Commander Thibodeau the base will not be completed for several years hence it is doubtful if the published quadrangle will remain up-to-date for more than a year.

No field edit was carried on outside of the base.

Wendell Bever
Junior Topographic Engineer

No. T-8116

No. 1

	Remarks	Decisions
1		382763
2		"
3		"
4		"
5		382764
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		" / "
14		"
15		"
16		"
17		383763
18		"
19		"
20		"
21		"
22		"
23		"
24		383764
25		" USGB
26		"
27		"

M 234

GEOGRAPHIC NAMES

Survey No. T-8116

SOLOMONS ISLAND 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	
Cedar Point										1
Cedar Point Lighthouse		Not Shown								2
Fresh Pond										3
Pine Hill Run		(erroneously Hill Run on compilation)								4
~~Cedar Point Naval Air Station~~ Patuxent River										5
~~Mill Hill Pond~~										6
Jonestown										7
Hilton Run		(mainly on quadrangle to south)								8
~~Jarboesville~~										9
Jarboesville Run										10
Hominy Creek										11
Green Holly Pond										12
~~Bradley Pond~~ ~~Fords Creek~~										13
~~Millstone Landing~~										14
~~Hodgson Pond~~										15
~~Susquehanna Wharf~~										16
Cove Point Hollow		(bight)								17
Purgatory Creek										18
Cobb Landing										19
Cobb Creek										20
Little Cove Point										21
Calams Run										22
Brick Landing										23
Patuxent River										24
Hog Point										25
Fishing Point										26
Harper Creek										27

M 234

T-8116

	Remarks	No. 2 Decisions	
1		383764	USGB
2		"	
3		"	
4		"	
5	The USGB decision maintained Town Point at the old location: consequently the other application	"	USGB
6	of this name, opposite Pt. Patience, must be voided.	"	"
7	Not Big Kingston Creek	"	
8		"	
9		"	
10		"	
11		"	
12		"	
13		"	
14		"	
15		"	
16		"	
17		"	
18		"	USGB
19		"	"
20		"	
21		"	
22		"	
23		"	
24		"	
25		"	
26		"	
27		"	

M 234

GEOGRAPHIC NAMES

Survey No. T-8116

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	
Pearson Creek										1
Esperanza Pond										2
Lewis Creek										3
Town Creek										4
Town Point										5
Spencers Wharf										6
Kingston Creek										7
Little Kingston Creek										8
Myrtle Point										9
Cuckold Creek	(only its mouth on this quad.)									10
Half Pone Point										11
Point Patience										12
U.S. Naval Mine Warfare Proving Ground				X						13
Third Cove										14
Second Cove										15
First Cove										16
Solomons Island Bridge	We room									17
Solomons Island										18
Solomons										19
Sandy Point										20
Back Creek										21
The Narrows										22
Janes Point										23
Ma Leg Island										24
Turkey Bar										25
Johnstown										26
Mill Creek										27

M 234

T-8116

No. 3

	Remarks	Decisions
1	Not Big Ship Point	383764
2		"
3		"
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. No. T-8116

No. 3

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	
Ship Point										1
Little Ship Point										2
Bow Cove										3
U.S. Amphibious Training Base										4
St. John Creek				(Not St Johns Cr.)						5
Hutchins Point										6
Hutchins Cove										7
Dowell										8
Lusby Cove										9
Lusby Point										10
Old House Cove										11
Olivet		village								12
Brooks Cove										13
Brown Creek										14
Coles Creek										15
Pile Driver Cove		X								16
Leason Cove										17
Spring Cove										18
Pancake Point										19
The Swash		X								20
The Big Bar										21
Drum Point	(village)									22
Drum Point	(point)									23
Drum Point Lighthouse										24
Drum Point Pond										25
Little Drum Point Pond										26
Little Fresh Creek										27

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T-8116

No. 4

	Remarks	Decisions
1	Not Big Fresh Creek	383764
2		"
3		"
4		"
5		" USGB
6		"
7		"
8		" USGB
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		
17		USGB
18		
19		USGB
20		St. Marys Co. Map
21		"
22		Calvert Co. Map
23		Road Maps
24		"
25		"
26		"
27		

M 234

GEOGRAPHIC NAMES

Survey No. T-8116

No. 4

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	
Fresh Creek	X									1
Parker Moore Creek	X									2
Burrell Branch	X									3
Cleve Branch	X									4
Appeal	X	X								5
Cherry Hill	X	(settlement)								6
Newtown	X									7
Hungerford Creek	X									8
Coster	X									9
Coster Cove	X									10
Barrett Island	X									11
Hellen Creek	X									12
Tongue Cove	X									13
Hellen Bar	X									14
Turner Cove	X									15
										16
Chesapeake Bay	X									17
Calvert County	X									18
St. Marys County	X									19
Bay No. 8	X									20
Hillville Patuxent No. 6	X	(only a very small area at Half Pone Pt.)								21
Dist ict No. 1, Solomons Precinct No. 1 (in Calvert County)										22
Md. Highway No. 2	X	(main road to Solomons)								23
Md. Highway No. 235	X	(through Jarboesville from NW)								24
" " 503		(branch road to Olivet)								
Md. Highway No. 246	X	(Jarboesville to SW)								25
Md. Highway No. 248	X	(Jarboesville to Cedar Pt.: apparently discontinued as mostly in new Naval Reservation).								26
NB.: there are several names listed above which may not be applicable within limits of Cedar Point Naval Air Base.										27

Names underlined in red approved by L. Heck on 6/15/43

M 234

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~~ published quadrangle at 1:20,000 scale. 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~~ outlines.

Descriptive Report.

Filed in the Photogrammetric ~~Section -- Surveys Branch~~ Division.

Field inspection photographs.

Contoured photographs (on which planetable contouring work was performed.)

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Review~~ing Unit~~ Section.

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.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T- 8116

SOLOMONS ISLAND 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

A horizontal accuracy test was run in this quadrangle and found to be satisfactory. The test is enclosed in this Descriptive Report.

The nearest vertical accuracy test was run in quadrangles T-8111 to the north and T-8138 to the south.

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-256a	1:20,000	1848
T-2861	1:20,000	1907-08
T-4710	1:5,000	1932

Comparison with Nautical Charts Nos. 539

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-8116 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:

Only changes of a minor nature were necessary during the review of this map manuscript.

(See T-8542 for the details in and around the Patuxent River Naval Air Station which are not shown on this published quadrangle.)

Reviewed May 15, 1946 By Walter B. Russell (pen & ink)
under direction of D. H. Benson

Inspected by B. G. Jones B.G. Jones 11/46.-

Examined and approved:

K.T. Adams
Chief, ~~Surveys Branch~~
Division of Photogrammetry

H.C. Edwards
Asst Chief, ~~Div. of Charts~~
Nautical Chart Branch

~~Chief, Topography Section~~

E.T. Green
Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8109 ← ?

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
9-49	553	E.L. Hunter	~~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
			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.