

8147

Original

274100

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
ST. GEORGE ISLAND, MD.	
N 3800.0 - W 76 22.5 / 7.5	
Type of Survey	Topographic
Field No.	Office No. T-8147
LOCALITY	
State	Maryland & Virginia
General locality	Chesapeake Bay (Western Shore)
Locality	St. George Island
1943	
CHIEF OF PARTY	
F. L. Gallen	
Fred. L. Peacock	
LIBRARY & ARCHIVES	
DATE	

DATA RECORD

T- 8147

Quadrangle (II): ^{Md.} St. George Island, 7¹/₈' Quad Project No. (II): 278-A
~~Point Lookout 15' Quad~~
~~N3800.0-W7622.5/7.5~~

Field Office: Salisbury, Md. Chief of Party: F. L. Gallen, Lieut. Comdr.
 War Mapping Field Party No. 1

Compilation Office: Baltimore, Md. Chief of Party: Fred. L. Peacock, Comdr.

Instructions dated (II III): ~~Copy filed in Descriptive~~
 March 4, 27; June 5, 24) 1942 ~~Report No. T- (VI)~~
 August 13; September 4)

Completed survey received in office: 1/8/43

Reported to Nautical Chart Section: 1/43

Reviewed: 5/3/43 Applied to chart No. Date:

Redrafting Completed: 6/16/43

Registered: 2/5/45 Published: 1/5/44

Compilation Scale: 1:20,000 x 1.0079 = 20,158 Published Scale: 1:31,680

Scale Factor (III):
 0.99216

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

Reference Station (III):
 Lat.: 38° 06' 09.132" St. George Navy Mark, 1942 23.850" (581.2m)
 09.134" 581.6m Long.: 76° 28' 23.853" 581.2m Adjusted
 (1568.3m) (880.7m) ~~Unadjusted~~

State Plane Coordinates (VI): Maryland and Va South.

X =

Not available

Y =

~~This station not listed in the plane coordinates
 for either Md. or Va. J.H.S.~~

Military Grid Zone (VI) Zone A

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
Nine Lens				
8908	4/15/42	1:45p.m.	1:20,000	1.5' above M. L. W.
8909	4/15/42	1:46p.m.	1:20,000	1.5' above M. L. W.
8912	4/15/42	1:52p.m.	1:20,000	1.5' above M. L. W.
8916	4/15/42	2:02p.m.	1:20,000	1.5' above M. L. W.
8917	4/15/42	2:03p.m.	1:20,000	1.5' above M. L. W.
8932	4/15/42	2:29p.m.	1:20,000	1.4' above M. L. W.
8933	4/15/42	2:31p.m.	1:20,000	1.4' above M. L. W.
Single lens				
AHX 10-28 to AHX 10-31	4/24/38	unknown	1:20,000	unknown
AHX 10-79 to AHX 10-86	4/24/38	unknown	1:20,000	unknown
FG 102-45 to FG 102-47	3/28/37	unknown	1:20,000	unknown

Tide from (III): Tables of Predicted tides, reference station Washington, D.C.
with time correction for Kitts Point, St. Marys River, Md.

Mean Range: 1.5 ft.

Spring Range: 1.7 ft.

Camera: (Kind or source) U. S. C. & G.S., nine lens camera (focal length $8\frac{1}{4}$ ")
Single lens 9" x 9" contact prints obtained from Soil Conservation Service,

U. S. Dept. of Agriculture

Field Inspection by: Horiz. Cont.: D.L. Greene, G.B. Wood, date: Aug. to Oct. 1942

Shoreline: J.C. Lajoie, C.O. Rector, R.D. Trace

Culture: G. A. Varnadoe, T. A. Zary.

Field Edit by: Orvis N. Dalbey

date: March
April 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: Joseph Steinberg date: 10/27/42

Control checked by: Harry L. Spaulding date: 11/5/42

Radial Plot by: Joseph Steinberg & J. Edward Deal, Jr. date: 11/7/42

Detailed by: Harold R. Brooks date: 12/7/42 to
12/16/42

Reviewed in compilation office by: Wm. H. Van Loon date: 12/28/42 to
1/3/43

Elevations on Field Edit Sheet
checked by: L. G. Chambers

date: 3/21/43

STATISTICS (III)

Land Area (Sq. Statute Miles): 8 sq. Statute Miles

Shoreline (More than 200 meters to opposite shore): 20 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 18.5 Statute Miles

Number of Recoverable^{Hydrographic and} Topographic Stations established: 32 stations

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: 4.6

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 T. A. Zary, and A. M. Jylha,

FIELD INSPECTION REPORT
QUADRANGLE T-8147

Refer to the Field Inspection Report for Quadrangle 8148 for information on side headings Nos. 1 to 16, and 18.

17. BOUNDARY MONUMENTS AND LINES

The only boundary monuments in this quadrangle are Maryland-Virginia State Line monuments and are located by triangulation.

On St. George Island, the U. S. Navy has a number of range towers used in connection with the Torpedo Testing Range at Piney Point, Maryland, and a field inspection party reports that the Navy owns a small parcel of land at each tower according to information secured at Piney Point. These parcels of land were not shown on the photographs due to their small size.

Submitted by,

G. R. Fish
G. R. Fish,

Lieutenant, U. S. C. and G. S.

Approved and
forwarded:

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

26 Control:

Survey T-8147 has an unusually large number of triangulation stations. Due to this factor, excellent resections were obtained for detailing. Nine U. S. Coast & Geodetic Survey Triangulation Stations and two Reference Monuments fall within the limits of this survey and fourteen triangulation stations and two reference monuments fall just beyond the limits and were used as control. Those triangulation stations within the limits are:

- Navy, 1942
- Oak, 1908
- Out, 1908
- Stung, 1908
- St. George Navy Mark, 1942
- 4000 yd. Rear Range, 1919
- 8000 yd. Rear Range, 1919
- 12000 yd. Rear Range, 1919
- 12000 yd. Front Range, 1919
- Dago, R.M.
- Smack, R.M.

Those triangulation stations just beyond the limits are:

- Cement, 1931
- Chestnut, 1908
- Church, 1908
- Chadwick, 1908
- Flat, 1908
- Fixing Point Front Range, 1919
- Lowell, 1908
- Piney Point Water Tank, 1942
- Rod, 1908
- Ridge, 1908
- Straits, 1908
- St. Inigoes Church Cross, 1908
- Sleep, 1908
- 16000 yd. Rear Range, 1919
- Combs Fixing Point Rear Range, R.M.
- Fort, R. M. 1908

27 Radial Plot:

A report covering the radial plot of war mapping project GS-278-A, of which Survey T-8147 is a part, will be submitted at a later date.

28 Detailing:

Nine lens photographs were used for detailing the major portions of this map manuscript. The small 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 additional marsh area and drainage. Field inspection was complete as to elevations, contours and buildings. Cultural detail and shoreline were in some instances incomplete, but in general were well covered by field inspection.

29 Supplemental Data:

Previous surveys T-1102, T-2809 and T-2747 cover the detailed portion of this survey. However, copies of these surveys are not available to this compilation office for comparison with survey T-8147.

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 those sections not clearly discernible to the compiler.

31 Low Water & Shoal Lines:

The Low Water Line was detailed in accordance with the field inspection. The Shoal areas on the nine lens photographs were indistinct in most cases. 9" x 9" single lens soil conservation photographs were used for this delineation.

32 Details Offshore from the High Water Line:

Three unnamed islands appear offshore, south of Hog Island, in Judith Sound.

33 Wharves and Shoreline Structures:

Wharves and Shoreline Structures were detailed after a careful study had been made of the office photographs, in conjunction with the field inspection.

34 Landmarks and Aids to Navigation:

No Landmarks appear upon this Survey, but there are five aids to Navigation. They are:

Kitts Pt. 1 FL. W. 5 sec.

Smith Creek 2, FL. R. 5 sec.

Coan River Beacon No. 8

Coan River Beacon No. 10

Travis Point, FL. R. ev. 5 sec.

These aids to Navigation are south of this Quadrangle

These lights are also listed as Hydrographic control in Paragraph 35.

In checking these aids to navigation as follows, Travis Point, Coan River Beacon No. 8 and Coan River Beacon No. 10 located in the Potomac River at the entrance to Kingscote Creek, Coan River and The Glebe, with nautical Chart No. 557, it is found that the correct position of these aids to navigation as established by sextant fixes obtained by the field party is westerly a distance of from 36 to 55 meters in Longitude from the positions as shown on chart 557. It is also noted that Travis Point on chart 557, at the extreme South Point of which is a U.S.C. & G. S. triangulation station

* "Cement", 1931, does not agree with the Geographic Position of this station by a distance of 30 meters northerly in Latitude and 60 meters westerly in Longitude. The Area comprising Travis Point seems to be mischarted and affects the charting of the above aids to navigation. Kitts Pt. No. 1 and

* A station "Cement", 1931 is south of this Quadrangle. See Descriptive Report for T-8356.

34 Landmarks and Aids to Navigation: (cont'd)

Smith Creek 2 in the Potomac River at the entrance to Smith Creek are also found to disagree in the following manner. The position of Kitts Pt. 1 on Survey No. T-8147 is about 30 meters in a Northwesterly direction from that given on Chart No. 557. The position of Smith Creek 2 on Survey No. T-8147 is about 40 meters in a Northeasterly direction from that given on Chart No. 557.

the above 3 lights and 2 beacons are now shown in their correct positions on chart 557. (12-16-44 H.C. Rees)

Form No. 567 is submitted herewith, giving the recommended positions of these aids to navigation as established by sextant fix.

35 Hydrographic Control:

There are twenty-six Hydrographic and Topographic stations within the limits of this survey and four stations just beyond the southern limits of the project which may be used by future Hydrographic Parties.

Those stations within the limits are:

Able	Egg	Old	Take
Add	Ham	Pig	Four
Beans	Ire	Pile	Than
Blow	Kitts Pt. 1 FL. W., 5 sec.	Point	Torn
Chim	Smith Creek 2 FL. R., 5 sec.	Pun	Two
Dora	Nine	Red	When
		Spire	Tar

Those stations just beyond the limits of the project are:

Coan River Beacon No. 8
Coan River Beacon No. 10
Lew
Travis Point FL. R. ev. 5 sec.

Descriptions for these stations are submitted herewith on Form No. 524.

36 Azimuth Reference Monuments:

Two Azimuth Reference Monuments are within the limits of this survey. They are:

Navy Azimuth
Ridge Azimuth

Descriptions of these Azimuth Reference Monuments are submitted herewith on Form No. 524.

37 Geographic Names:

A list of Geographic Names has been prepared to accompany this map manuscript.

38 Discrepancy Overlay:

38 Discrepancy Overlay: (cont'd)

On it are noted requests for additional information needed to make this map manuscript complete. Questions concerning correct interpretation, comments and notes such as are deemed likely to be of assistance during the field edit have been included. Also shown, for the records of the Baltimore Compilation Office, are the names or numbers of bench marks.

39 Horizontal Accuracy:

Horizontal accuracy of the location of well-defined and less well-defined points of detail is believed to be within the limits set forth in 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 complete but is subject to field edit for corrections; additions and deletions.

41 Junctions:

The following satisfactory junctions have been made with survey No. T-8147:

To the North: Survey No. T-8138

To the East: Survey No. T-8148

A junction of secondary control points has been made with Survey No. T-8146 to the West. There is no contemporary Survey to the South.

42 Remarks:

Survey No. T-8147 encompasses an area of which only one-seventh is land. This land area is divided into three small sections: St. George Island, in the northwestern corner of the survey; Travis Point, Cherry Point Neck and Hog Island, in the southwestern corner; St. Inigoes Neck, Jutland Neck and Tick Neck in the northeastern corner. The terrain in general is of very low elevation and a considerable portion is swamp land. This is especially noticeable on St. George Island where the average elevation is less than three feet and on Hog Island which is entirely swamp land. Farm and woodland typical of the general locality complete the rest of the countryside. The Potomac and St. Marys Rivers cover the major portion of this survey. Each neck of land is surrounded by a shoal, so that only very light draft boats can approach the shoreline other than through the main channels. From the shoreline, inland, the terrain shows a very gentle rise in elevation, the only exception being the grade at Blue Gull Hill which is located in the extreme northwestern corner of this survey.

44. Comparison with Existing Topographic Quadrangles:

Because of scale differences, no accurate comparison of this survey with the U. S. Geological Survey Quadrangle of this area is practicable. An approximate comparison reveals a change in the shoreline, at the southern end of St. George Island, at Deep Point and the southern inlet to

44 Comparison with Existing Topographic Quadrangles: (cont'd)

Island Creek. There is also quite a change at Hog Island. To the West, it is now connected to the mainland and to the East the point has separated from the Island proper. However, the point is still connected by a sand bar which bares at Mean Low Water.

45 Comparison with Nautical Charts:

In comparing this map manuscript with Chart No. 557 issued August, 1938, the same change is noted at Hog Island as mentioned in Paragraph 44 above. Attention is again called to the difference in longitude of charted detail in the vicinity of Travis Point.

Respectfully submitted,

Harold R. Brooks
Harold R. Brooks
Sr. Engineering Aid

Map Manuscript, Discrepancy
Overlay and Descriptive Re-
port Reviewed by:

William H. Van Loon
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,

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

JAN 7 1943

FIELD EDIT REPORT TO ACCOMPANY
DESCRIPTIVE REPORT
QUADRANGLE T-8147

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

The inking 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
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 tests of Project CS-278 in Virginia is the subject of a special report submitted by L. G. Chambers, Principal Photogrammetric Aid.

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.

17. Due to the controversial nature of the Maryland-Virginia boundary, the exact location was left to be determined in the Washington Office.

Respectfully submitted by,

Orvis N. Dalbey
Orvis N. Dalbey, *7-4*
Photogrammetric Aid.

Approved and forwarded:

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

DEPARTMENT OF COMMERCE
U. S. COAST & GEODETIC SURVEYLANDMARKS FOR CHARTS
TO BE CHARTED } in corrected position
TO BE DELETED } STRIKE OUT ONE

Chart letter 287-1943

Baltimore, Maryland January 6, 1943

I recommend that the following objects which have ~~(struck out)~~ 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.

Fred. L. Peacock

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE		LONGITUDE									
		O	I	D. M. METERS	O	I	D. P. METERS						
Potomac River	Kitts Pt. 1	38 06		52.8	76 24		462.0	N.A. Photo. Comp. 1927 & Sextant	12-11-42	X			557
	Fl. W. ev. 5 sec.												
	Smith Creek 2	38 06		239.7	76 24		691.4	N.A. 1927	12-11-42	X			557
	Fl. R. ev. 5 sec.												
	Travis Point	37 59		1138.4 1124.4	76 27		274.7 237.7	N.A. 1927	12-11-42	X			557
	Fl. R. ev. 5 sec.												
	Coan River Beacon No. 8 REF	37 59		980.1	76 27		1119.7	N.A. 1927	12-11-42	X			557
	Coan River Beacon No. 10 REF	37 59		714.0	76 26		50.8	N.A. 1927	12-11-42	X			557
	These positions were established by sextant fix in connection with Survey												
	T-8147 and it is recommended that Chart No. 557 be revised accordingly.												
	Detail of the area comprising Travis Point on Chart 557 is in disagreement												
	with Survey No. T-8147 which is recommended to supersede the chart.												

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.

LIST OF GEOGRAPHIC NAMES

Disputed

Kitty Point
Benville Wharf
St. Marys County, Md.
St. Marys River
Miller Wharf

Recommended

Kitts Point
Potomac View
St. Mary's County, Md.
St. Mary's River
Wynne Wharf — omit

U.S.G.B.
"
"
"

LIST OF GEOGRAPHIC NAMES

UNDISPUTED

Ball Point
Blue Gull Hill
Calvert Bay
Calvert Creek
Cherry Point Neck
Chickencock Bar
Deep Point
Fox Harbor
Gray Point
Harry James Creek
Hog Island
Indigo Point
Island Creek
Jimmy Island
Judith Creek — ?
Judith Sound
Jutland Creek
Jutland Neck
Kingscote Creek

Lawson Point
Lewisetta
Northumberland County, Va.
Perch Cove — ?
Potomac River
Rowley Bay
Russell Point
Sage Point
Sage Pond
Smith Creek
Smith Point
St. George Creek
St. George Island
St. George Island Beach
St. Inigoes Neck
St. Mary's Girls Camp
Tick Neck
Travis Point
Wynne

Remarks

Decisions

1		379764
2		"
3		"
4		380764
5		"
6	From D. s. Rep. it appears doubtful whether this feature now exists, west of Hog. I.	"
7		"
8	Same remark as for line 6	"
9		380763
10		"
11		"
12		"
13		381763
14		"
15		"
16		"
17		"
18		"
19	Name OK if it is to be applied to this submerged feature	380764
20		381764 USGB
21		"
22		" USGB
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8147

St. GEORGE ISLAND quad.
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	
✓ Travis Point	✓								1
✓ Lewisetta	✓								2
✓ Kingscote Creek	✓								3
✓ Hog Island	✓								4
✓ Judith Sound	✓								5
✗ Judith Creek		(not located)							6
✓ Cherry Point Neck	✓								7
✗ Perch Cove		(not located)							8
✓ Harry James Creek	✓								9
✓ Rowley Bay	✓								10
✓ Gray Point	✓								11
✓ Lawson Point	✓								12
✓ Calvert Bay	✓								13
✓ Calvert Creek	✓								14
✓ Tick Neck	✓								15
✓ Fox Harbor	✓								16
✓ Blue Gull Hill		(outside of limits of sheet)							17
✓ Jutland Creek	✓								18
✗ Chickencock Bar		(not shown)							19
✓ Kitts Point	✓								20
✓ Smith Creek	✓								21
✓ Potomac View	✓								22
✓ Wynne	✓								23
✓ Smith Point	✓								24
✓ Jutland Neck	✓								25
✓ St. Inigoes Neck	✓								26
✓ Sage Pond	✓								27

T-8147

No. 2

Remarks

Decisions

1		381764
2		" USGB
3		" "
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11	omitted from black plate USA	"
12		"
13		
14		USGB
15		"
16		
17		County Maps
18		"
19	omitted since it falls only in water Hk	"
20		Road Maps
21		"
22		
23		
24	Main village is south of lat 38°.	380764
25		"
26		
27		

GEOGRAPHIC NAMES

Survey No. T-8147

No. 2

Name on Survey

	A	B	C	D	E	F	G	H	K	
✓ Sage Point ✓	✓									1
✓ St. Marys River ✓	✓									2
✓ St. George Island ✓	✓									3
✓ St. George Creek ✓	✓									4
✓ Island Creek ✓	✓									5
✓ Ball Point ✓	✓									6
✓ Russell Point ✓	✓									7
✓ Indigo Point ✓	✓									8
✓ Jimmy Island ✓	✓									9
✓ Deep Point ✓	✓									10
? St. Marys Girls Camp ✓	?									11
✓ St. George Island Beach ✓	✓									12
										13
✓ Potomac River ✓	✓									14
✓ St. Marys County ✓	✓									15
✓ Northumberland County ✓	✓									16
✓ St. George Island No. 9 ✓	✓									17
✓ St. Inigpes No. 1 ✓	✓									18
* Valley Lee No. 2 ✓	✓									19
✓ Md. Highway No. 249 ✓	✓									20
✓ " " 252 ✓	✓									21
Two county roads on the Virginia side Nos. 680, 624, will have to be checked with County Highway Map (Mr. Stanley's files)										22
										23
✓ Cowart P.O. ✓	✓									24
✓ Garner Creek ✓	✓									25
Names underlined in red approved by L. Heck on 5/25/43										26
										27
										28

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, ~~marsh~~, and ~~swamp limits~~, refer to the published quadrangle for the finally adopted positions.

Descriptive Report.

Filed in the Photogrammetric Section - Surveys Branch

Field inspection photographs.

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

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Reviewing Unit.

Supplementary traverse and level records.

Field notes, computations, lists of positions, and tabulations of results of horizontal and vertical accuracy tests.

Reproduction proof.

Correction sheet (copy of quadrangle showing in red changes to be made when next printed.)

Check lists of work performed on each sheet in the Washington Office during review, drafting, edit, and reproduction.

Original celluloid manuscript.

Copies of specifications and all instructions to field parties and field offices.

Filed in Reproduction Branch

Glass negatives of the color separation drawings.

Filed in the Library

Special report on field work by Commander K. T. Adams, 1944.

Special report on office work by B. G. Jones, 1944.

Season's report on field work by Commander F. L. Gallen, 1944.

Season's report on field work by Commander R. L. Schoppe, 1944.-

Delivered to the Army Map Service in accordance with the contract

Film negatives and film positives of the color separation drawings.

All color separation drawings.

~~Original celluloid manuscript.~~

A correction sheet consisting of a copy of the first edition of the quadrangle with notes in red indicating changes desirable at the next printing.

General Procedure in the Production of Topographic Quadrangles for the War Department

This quadrangle, together with similar adjoining maps produced under Project C.S.278-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. (This photography was supplemented by the use of single-lens photographs.) 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-8147

ST. GEORGE 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 See the Descriptive Report for T-8148 for a copy of the closest horizontal accuracy test comparisons. This test was accepted as satisfactory. The closest vertical accuracy test was performed on T-8138 on a field photograph. The test was reported satisfactory by the field party; it could not be identified during review.

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-776	1:20,000	1858 - 1904
T-804	1:20,000	1859 - 1904
T-1102	1:20,000	1868 - 1904
T-2655	1:10,000	1904
T-2747	1:20,000	1905
T-2809	1:20,000	1906

T-8147 does not supersede T-2747 for the hachures and 20 foot contour line at Gray Point. No elevation on T-8147 to check this contour.

"Point Lookout" 1:62,500 1912 U.S.G.S.
Comparison with Nautical Charts Nos. 557

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:

Hog Island is now connected to the mainland to the west and to the east the point is connected to the island by a sand bar at mean low water.

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

Only minor corrections were necessary.

Reviewed 5/1/43 By Jack L. Rihn
under direction of D. H. Benson

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

Examined and approved:

Robert W. King
Chief, Surveys Branch

K. T. Adams
Chief, Topography Section

J. E. Borden
Chief, Div. of Charts

E. F. Wade
Chief, Div. of Coastal
Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8147

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.