

# 8160

Diag. Cht. No. 78-3

Form 504

## U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

### DESCRIPTIVE REPORT

Type of Survey Photogrammetric

Quad. Name

Field No. Saxis Office No. T-8160

#### LOCALITY

State Maryland

General locality Pocomoke Sound

Locality Saxis

1946

#### CHIEF OF PARTY

Wm. D. Patterson

Kenneth G. Crosby

#### LIBRARY & ARCHIVES

DATE May 28, 1946

B-1870-1 (1)

on  
Diag. Cht. 78-3

## DATA RECORD

T- 8160

Quadrangle (II): SAXIS

Project No. (II): CS-278

Field Office: Salisbury, Md.

Chief of Party: Patterson, W. D.

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

Instructions dated (II III): 3-4-42

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

Completed survey received in office:

10/27/42

Reported to Nautical Chart Section:

7/10/42

Reviewed: 2/18/43

Applied to chart No.

Date:

Redrafting Completed:

Registered:

Published: 10/18/43

Compilation Scale: 1:20,000

Published Scale: 1:3,680

Scale Factor (III): 1.000

Geographic Datum (III): N.A. 1927

Datum Plane (III): M.S.L.

Reference Station (III): Shad 1936 (V.F.C.)

37° 56' 24.546" (756.8 m)

75° 40' 33.895" (827.6 m)

Lat.: 37° 56' 24.543" (756.7 m.)

Long.: 75° 40' 33.894" (827.6 m.)

Adjusted ✓  
Unadjusted

State Plane Coordinates (VI):

Maryland coordinate system (Single Zone)

X =

Y =

To be added later

Virginia coordinate system, South Zone

X =

Y =

Military Grid Zone (VI) A

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8536	4-13-42	11:18	1:20,000 (Approx.)	+ 1.45 Ft.
8537	"	11:20	"	+ 1.50 Ft.
8538	"	11:22	"	+ 1.50
8673)	No data available			
8674)				

Tide from (III): Snow Hill, Pocomoke River, Maryland

Mean Range: 3.0 Ft.

Spring Range: 3.6 ft.

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

Field Inspection by: Fryer, C.C., Sr. Photo Aid date: April &  
Dionisio, S.C., Photo Aid May '42  
Eldridge, H.M.; Heiss, C.F.

Field Edit by: John R Evans date: Nov., 1942

Date of Mean High-Water Line Location (III): 4-13-42

Projection and Grids ruled by (III) Washington Offc. date:

" " " checked by: " " date:

Control plotted by: C. L. Bailey, Photo. Aid date: 8-21-42

Control checked by: A. L. Kidwell, Photo. Aid date: 8-21-42

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

Detailed by: Andrews, E.C., Asst. Engr. Draftsman date: 9-1942

Reviewed in compilation office by: Giles, J.A. date: 10-42  
Prin. Photo Aid

Elevations on Field Edit Sheet  
checked by: Orvis M. Dalby

date: 11/42

### STATISTICS (III)

Land Area (Sq. Statute Miles): 33.93

Shoreline (More than 200 meters to opposite shore): 47.84

Shoreline (Less than 200 meters to opposite shore): 5.75

Number of Recoverable Topographic Stations established: None

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - 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:



## 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 G 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.

## 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.~~ outlines.

Descriptive Report.

Division.

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 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.



COMPILATION REPORT  
TO ACCOMPANY  
SHEET NO. T-8160  
Saxis Quadrangle

CONTROL

There was adequate control on this sheet, consequently no difficulties have arisen in the radial plot or in the drafting. There were no stations which could not be held to. On single lens field print 9-320 four triangulation stations (Drum, Hammock, Widow and Tim), were plotted but as no picking cards were submitted to the compiling office, they could not be used for control.

This office was furnished with two geographic positions for station Shad 1936(V.F.C.) There was a discrepancy of about one second of longitude between these positions.

One position was taken from a photostat of Geographic Positions No. G-3097 and one was furnished by the Baltimore Office in pencil copied from Geographic Positions No. G-5122. As the latter position was from a more recent computation and appeared to be correct on the photograph, it was assumed to be correct and was used for control.

This discrepancy was brought to the attention of the Washington Office in a letter to the Director dated October 21, 1942. An answer from the Director dated October 26, 1942 (Refer. 63/ER), stated that the position from G-3097 was correct. As the sheet has been sent in, the Washington Office should correct the error in plotting and the figures on the sheet as this station was used as a reference station.

RADIAL PLOT

Discussion of the radial plot which included this sheet was made a part of the Descriptive report for sheet T-8165.

DETAILING

The detailing of this sheet was done from photographs which were very clear and of almost perfect scale. Field inspection, however, had not been done in this area, and only marsh and cultivated areas have been classified.

LANDMARKS AND AIDS TO NAVIGATION

There are no landmarks on this sheet and the aids to navigation which could be plotted are listed on form 567 which is made a part of this report. Lights and beacons in Pocomoke Sound were located by sextant angles beginning with "Saxis Harbor Entrance Lt. No. 1" which was located from points ashore. From this light on up the sound the angles taken included a "fix" on a marker previously located. This method was used throughout, each light or marker depending on one before. Angles for "Beacon 3" however have been omitted and are not available by this office. For this reason only two lights and a range marker have been located leaving the remainder unplotted until angles on "Beacon 3" are obtained.

The three aids shown on the sheet are marked on description cards as "Saxis Harbor Channel Entrance Light No. 1", "Beacon Light No. 2", and

OK  
corrected  
in Washington  
office  
1-42

Added by Fred edit  
part by plane table method



"Pocomoke Sound Range Marker No. 2". The correct names as taken from the Light List are: "Starling Creek Light 1", "North End Point Light", and "Pocomoke River Beacon 2", respectively.

HYDROGRAPHIC CONTROL

Creek 1942, was recovered and used in 1951. See smooth sheet of H-7946 for location. (1951) A.J.H., 10/20/52

As there are no recoverable hydrographic and topographic stations on the sheet, the triangulation stations are the only stations that are suitable for the control of hydrographic surveys.

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

This sheet has been compared with a quadrangle compiled by the Corps of Engineers, U. S. Army and used by this Bureau as a Geographic Name Sheet. The only discrepancy is the presence of "Miles Creek" which does not appear on the photographs. This discrepancy has been noted on the sheet.

COMPARISON WITH NAUTICAL CHARTS

This sheet and nautical chart 1224 (Scale 1:80,000) compare favorably. No important changes can be noted. There may however, be minor discrepancies which are not distinguishable due to the small scale of the charts compared.

Respectfully submitted,

*Edward C. Andrews*

Edward C. Andrews,  
Asst. Engineering Draftsman

Forwarded by:

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



FIELD EDIT REPORT  
T-8160  
F.L.Gallen, Chief of Party

18. Geographic names were taken from the special report CS-278-C (South) submitted by A. J. Wraight, Photogrammetric Aid.

46. All additions, deletions and corrections were made on the map manuscript and transferred to a smooth copy after the field work had been completed.

The position of additive material was located from well-defined given detail and in some instances taken from the photographs. When traced from photographs allowances were made for scale variation.

The inking on field edit maps was done in accordance with the following scheme:

FEATURES	COLORS
Additions, wye elevations	
bench marks, crosses	Black
Deletions	Green

47. The location of detail is believed to be accurate and complete except in the vicinity of Triangulation "SHAD". The detailing was done with SHAD in the position recorded on G-5122. Planetable work in the area revealed the position on G-3097 to be the correct one.

48. A horizontal accuracy traverse test was run in Quadrangle T-8159 and T-8153.

No contours appear on this sheet thereby requiring no vertical accuracy check.

The maximum elevation on this sheet is 8.6 feet.

Submitted by

John R. Evans  
John R. Evans,  
Junior Topographic Engineer

Approved by  
F.L. Gallen  
F.L. Gallen, Chief of Party  
U. S. Coast and Geodetic Survey

*Details in the vicinity  
of SHAD, corrected  
in Washington  
2-23*



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
Sheet No. T-8160  
List of Permanent (Non-  
Floating) Aids to Navigation

TO BE CHARTED  
TO BE DELETED } STRIKE OUT ONE

Tampa, Florida

Oct. 12th 1942 19

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.

*James H. A. B. B.*

~~Kenneth G. Crosby~~

*Chief of Party.*

GENERAL LOCALITY		POSITION			METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED		
NAME AND DESCRIPTION		LATITUDE		LONGITUDE								
		O	I	D. M. METERS	O	I	D. P. METERS					
Pocomoke Sound, Md.												
Chesapeake Bay, Md.												
Starling Creek Lt. "1"		37	55	834	75	44	296	N.A. 1927	Bextant	1942	X	1223 1224
North End Point Light		37	56	572	75	43	1039	"	"	"	X	1224
Pocomoke River Bn. "2"		37	57	622	75	42	1147	"	"	"	X	"

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.



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

T-8160 1603 (1942)

**TO BE CHARTED**  
~~FOR THE DEPARTMENT~~ STRIKE OUT ONE

~~LANDMARKS FOR CHARTS~~  
PERMANENT AIDS TO NAVIGATION

Baltimore, Md.

November 13, 1942

I recommend that the following objects which have (insert) been inspected from seaward to determine their value as landmarks, be charted on (insert) the charts indicated.

The positions given have been checked after listing. *yes*

F. L. Galien

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION		D. M. METERS	D. P. METERS	DATUM	METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE	LONGITUDE									
Pocomoke Sound, Md.-Va.												
	STARTING CREEK LIGHT "1" ✓	37 55	76 44	833.0	294.0	N.A. 1927	Sextant	1942	X			1223, 1224
	NORTH END POINT LIGHT ✓	37 56	76 43	571.5	1038.5	"	"	"	X			1224
	POCOMOKE RIVER LIGHT "1" ✓	37 57	76 42	691.0	1187.0	"	Plane-table	"	X			1224
	POCOMOKE RIVER BEACON "2" ✓	37 57	76 42	610.0	1146.0	"	Sextant	"	X			1224
	POCOMOKE RIVER BEACON "3" ✓	37 57	76 42	1233.0	227.0	"	Plane-table	"	X			1224
	POCOMOKE RIVER BEACON "4" ✓	37 57	76 42	1173.5	192.0	"	"	"	X			1224
	POCOMOKE RIVER LIGHT "6" ✓	37 57	76 41	1723.5	698.0	"	"	"	X			1224
	POCOMOKE RIVER BEACON "7" ✓	37 58	76 41	11.0	40.0	"	"	"	X			1224
	POCOMOKE RIVER BEACON "8" ✓	37 57	76 41	1808.5	52.0	"	"	"	X			1224
	POCOMOKE RIVER LIGHT "10" ✓	37 58	76 40	16.5	999.0	"	"	"	X			1224
	POCOMOKE RIVER BEACON "11" ✓	37 57	76 40	1528.0	324.0	"	"	"	X			1224
	POCOMOKE RIVER BEACON "12" ✓	37 57	76 40	1496.0	370.0	"	"	"	X			1224
	POCOMOKE RIVER LIGHT "13" ✓	37 57	76 39	1217.5	1266.0	"	"	"	X			1224

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.

Salisbury Md. November 13, 1942

The positions given have been checked after listing.

*Chief of Party.*

U. S. GOVERNMENT PRINTING OFFICE 10-27869-

## November 13, 1942

The positions given have been checked after listing. ✓

*Chief of Party.*

[illegible]

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.

## Remarks

## Decisions

1		378756
2		"
3		"
4		"
5		378757
6		"
7		"
8		"
9		"
10		378-758-60
11		379757
12		"
13		"
14		"
15	Apparently not shown on compilation but approved in	"
16	names report; not shown on current chart 1224. Name	"
17	OK if feature still exists. (Rock or small islet	"
18	west of Saxis Island)	"
19		"
20		"
21	Name OK according to Names Report: feature apparent-	"
22	ly not shown on photographs	"
23		"
24		"
25		"
26		"
27		"



# GEOGRAPHIC NAMES

Survey No. T-8160

SAXIS 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
<u>Poulson</u>	✓								1
<u>Cattail Creek</u>	✓								2
<u>Drum Point</u>	✓								3
<u>Michael Marsh</u>	✓								4
<u>Rock Gut</u>	✓								5
<u>Cattail Channel</u>	✓								6
<u>South Point</u>	✓								7
<u>Messongo Creek</u>	✓								8
<u>Scarborough Point</u>	✓								9
<u>Pocomoke Sound</u>	✓								10
<u>Marumsko Creek</u>	✓								11
<u>East Creek</u>	✓								12
<u>North End Point</u>	✓								13
<u>Saxis</u>	✓								14
<u>Saxis Pier</u>	?								15
<u>Starling Creek</u>	✓								16
<u>Fishing Creek</u>	✓								17
<u>Drum Bay</u>	✓								18
<u>Saxis Island</u>	✓								19
<u>Freeschool Marsh</u>	✓								20
<u>Miles Creek</u>	?	See p. 2 of this report.							21
<u>Robin Hood Bay</u>	✓								22
<u>Mantrap Gut</u>	✓								23
<u>Tunnels Island</u>	✓								24
<u>Back Creek</u>	✓								25
<u>Back Cove</u>	✓								26
<u>North Point</u>	✓								27



T-8160

No. 2

Remarks.

Decisions

1		379757
2	Apply this name pending U.S.G.B. decision	"
3		"
4		"
5		379756
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"
N 234		



# GEOGRAPHIC NAMES

Survey No. T-8160

No. 2

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>Rumbly Point</u>	✓	✓							1
<u>Marumsco Point</u>	✓	✓							2
<u>East Creek Point</u>	✓	✓							3
<u>Richardson Marsh</u>	✓	✓							4
<u>Pocomoke River</u>	✓	✓							5
<u>Shelltown</u>	✓	✓							6
<u>Williams Point</u>	✓	✓							7
<u>Pitts Creek</u>	✓	✓							8
<u>Pitts Landing</u>	✓	✓							9
<u>Bullbagger Creek</u>	✓	✓							10
<u>Holdens Creek</u>	✓	✓							11
<u>Grotons</u>	✓	✓							12
<u>Messongo</u>	✓	✓							13
<u>Sanford</u>	✓	✓							14
<u>Belinda</u>	✓	✓							15
<u>Marsh Market</u>	✓	✓							16
<u>Pig Point</u>	✓	✓							17
<u>Pitts Neck</u>	✓	✓							18
<u>Jolleys Neck</u>	✓	✓							19
<u>Line Gut</u>	✓	✓							20
<u>Double Ditches</u>	✓	✓							21
<u>Flag Pond Landing</u>	✓	✓							22
<u>Persimmon Point</u>	✓	✓							23
<u>Shad Landing</u>	✓	✓							24
<u>Pocomoke Flats</u>	✓	✓							25
<u>Fair Island</u>	✓	✓							26
<u>Fair Island Canal</u>	✓	✓							27

Tulls Pt = USBM decision 1943

T-8160

No. 3

Remarks.

Decisions

1		379756
2		"
3		"
4		"
5		"
6		"
7	Not Hummock Landing	"
8		
9		
10		County Map Somerset Co.
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		



# GEOGRAPHIC NAMES

Survey No. T-8160

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,	
Sound Shore ✓	✓								1
Marumco Marsh ✓	✓✓								2
Jacks Creek ✓	✓✓								3
Tims Point ✓	✓✓								4
Green Point ✓	✓✓								5
Dicks Point ✓	✓✓								6
Hammock Landing ✓	✓✓								7
									8
Political Subdivisions (Md.)									9
Lawsons No. 8 ✓✓									10
Brinkleys No. 3 ✓✓									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27

by L. Heck on 1/7/43

## DIVISION OF CHARTS

### SURVEYS BRANCH

#### REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8160

#### SAXIS 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

There was no horizontal accuracy test run in this quadrangle. For the nearest test see T-8161.

There nearest vertical accuracy test was run in quadrangle T-8153.

#### 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-890a	1:20,000	1862
T-890c	1:20,000	1862
H-1319	1:80,000	1877
T-2551	1:20,000	1901-02
T-2647	1:20,000	1904
T-2680	1:20,000	1905

#### Comparison with Nautical Charts Nos. 1223, 1224

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-8160 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.

Reviewed Feb. 18, 1943 By Ray E. Elkins  
under direction of D. H. Benson (per W.M.)

Inspected by B. G. Jones B.G. Jones 4/11/46

Examined and approved:

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

Chief, Topography Section

Robert W. Hargis  
Chief, Div. of Charts  
Nautical Chart Branch

Raymond B. Egan  
Chief, Div. of Coastal  
Surveys

## NAUTICAL CHARTS BRANCH

SURVEY NO. T. 8160

## 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.