

# 8231

Diag. 'D. on Diag. Ch. No. 1238-2

Form 504

## U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

### DESCRIPTIVE REPORT

Type of Survey Air Photo. Compilation

Field No. \_\_\_\_\_ Office No. T-8231

#### LOCALITY

State South Carolina

General locality Georgetown & Charleston County

Locality Minim Island

1943

CHIEF OF PARTY  
F.L. Gallien

Lieut. Comdr. Kenneth G. Crosby

#### LIBRARY & ARCHIVES

DATE March 14, 1946

# 8231

## DATA RECORD

T- 8231

Quadrangle (II): Minim Island

Project No. (II):

CS-285

*W.D. Patterson*

Field Office: Myrtle Beach, S.C. Chief of Party: F. L. Gallen

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

Instructions dated (II III):

Copy filed in Descriptive

Report No. T- (VI)

*Partly completed survey received June, 1942*Completed survey received in office: *3/31/43*Reported to Nautical Chart Section: *4/1/43*Reviewed: *May 13, 1943* Applied to chart No. Date:Redrafting Completed: *Aug. 4, 1943*Registered: *2/46*

Published: 1943

Compilation Scale: 1:20,000

Published Scale: 1:31,680

Scale Factor (III): 1.00

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

Reference Station (III): Santee, 1932

Lat.: 33° 09' 14.7872 (458.2 m.) Long.: 79° 21' 47.736 (1237.1 m.) Adjusted  
~~unchanged~~

State Plane Coordinates (VI):

X = 2,500,916.20 FEET

Y = 404,423.95 FEET

Military Grid Zone (VI) "B"

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8328	Highwater Line determined from photographs used in previous compilations. Nine lens photos used in making vegetation, culture, and canal line corrections only.			
8329				
8330				
8271				
8272				
8273				

Tide from (III): --

Mean Range: - Spring Range: -

Camera: (Kind or source) U.S.C. & G.S. Nine lens (8 $\frac{1}{4}$ " focal length)

Field Inspection by: W.A. Rasure, Sr. Photo. Aid date:

Field Edit by: date:

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

Projection and Grids ruled by (III) Wash. Office date: -

" " " checked by: " " date: -

Control plotted by: See Remarks date:

Control checked by: " " date:

Radial Plot by: " " date:

Detailed by: " " date:

Corrected by: M. M. Slavney, Prin. Engr. Drafts. Feb. 1943

Reviewed in compilation office by: date: March 1943

A. L. Kidwell, Jr. Topo. Engr.; J.A. Giles, Prin. Photo. Engr;

J. H. S. Billmyer, Prin. Photo. Engr.

Elevations on Field Edit Sheet

checked by: *W. W. Belling during review* date: *May 18, 1943*

STATISTICS (III)

Land Area (Sq. Statute Miles):    See Remarks

Shoreline (More than 200 meters to opposite shore):

Shoreline (Less than 200 meters to opposite shore):

Number of Recoverable Topographic Stations established:

Number of Temporary Hydrographic Stations located by radial plot:

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:

This sheet is made up from previous compilations from air photographs. Areas and shoreline have been measured on these compilations and submitted to the Washington Office.

*See Review at back for various stages of field and office work on this quadrangle.*



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

This quadrangle, together with similar adjoining maps produced under Project C.S. 285, 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:

### 1.

#### PREPARATION OF BASE MAPS

Assembly into quadrangle base sheets by photographic means of previously produced planimetric maps of the area. These maps were compiled by this Bureau from aerial photographs taken in 1934 and were published in 1935 on the scale of 1:20,000. Lithographic prints of the quadrangle base sheets on cloth-mounted paper were furnished to the field parties and similar prints in red ink on celluloid sheets were furnished to the compilation office.

### 2.

#### 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. The field parties were permitted to make field inspection notes either on the photographs or on the planimetric base sheet.

Contouring by planetable, directly on the photographs or on the planimetric base sheet at the option of the field party. The contouring for this quadrangle was done on the planimetric base sheet by the field party.

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.

3.

COMPILATION OF MANUSCRIPT

Revision of the planimetric base map from the new photographs and addition of contours and corrections obtained by the field parties. No radial plot was made for this work.

4.

FIELD EDIT

Comparison of a copy of the corrected 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.



## DESCRIPTIVE REPORT TO ACCOMPANY MINIM ISLAND QUADRANGLE

DEFENSE MAPPING PROJECT CS-275-6  
Wm. D. Patterson, Chief of Party.

Instructions for this project were dated January 23, 1942.

DESCRIPTION OF COAST LINE:

No discrepancy was found in the shore line. Shore line was inspected from a launch and no survey actually was made except by comparing with the planimetric detail. A small cut on Kinloch Creek, Lat.  $33^{\circ} - 11.96'$  Long.  $79^{\circ} - 20.33'$  was added. This cut is man-made approximately 8 feet wide and 6 feet deep. The cut was sketched and is believed to be within the limits of accuracy. A portion of the Intracoastal Waterway appears on this sheet, starting in the SW corner and crossing the sheet to the NE corner. The right-of-way of the canal and also the spoil area has been shown. The limits were taken from a 1:5000 scale plan of the U. S. Army Corps of Engineers and scaled directly on to this Quad. The limits of the waterway are shown; - - - - - The limits of the spoil area are shown; - - - - - All beacons and lights were inspected and a few discrepancies were found in the naming and were corrected on this survey. Beacon No. 12 was noted to be out of position, was re-located with the sextant, re-plotted and submitted on Form 567.

See review on Intracoastal Waterway

LANDMARKS FOR CHARTS:

No additional landmarks for charts appear on this Quadrangle. Changes in aids to Navigation are shown on Form 567 attached hereto.

RECOVERABLE HYDROGRAPHIC AND TOPOGRAPHIC STATIONS:

One new recoverable topographic station, Stack, was located and is submitted on Form 524.

PHOTOGRAPHS:

Five lens photographs Acc. 551, 295 to 317 inclusive, flown August 5, 1934, were used on this survey.

CHARACTER OF CONTROL USED:

Well defined planimetric detail, such as right angle road intersections, where not covered by foliage, was used for starting and closing traverses, to locate houses, roads, bridges and other detail.

Less well defined detail such as bends in roads, saw dust piles, etc., was used for control in running the 20-foot contour.

No traverse was out more than 10 meters where well defined control



was used. Where less well defined control was used the traverses were adjusted by the Graphic method to conform to the planimetric detail whenever there was any discrepancy.

#### GEOGRAPHIC NAMES:

Geographic names for this area have been made in a separate report. The names of schools and churches have been shown as they are most commonly known locally. *Report Filed in Geographic Name Section*

#### JUNCTIONS:

Junction was made in good agreement with Quadrangle 7 to the west, with no detail being out more than 5 meters. Quadrangle 3 to the north and Quadrangle 5 to the east were not completed as of the date of this report. There was no planimetric detail of this survey to compare with Quadrangle 8 to the south. ✓

#### MARSHES:

Approximately all the southern half of this Quadrangle is covered with abandoned rice fields which are covered at high water and which are now grown up with high marsh grass.

#### BOUNDARIES:

Georgetown and Charleston county line appears on this Quadrangle in the center of the south Santee River, as the boundary is still in dispute on the islands in the river. The line was drawn to the points of the islands and stopped. The following information was found pertaining to the county line:-

This boundary line is in dispute among the counties involved and neither agree with the South Carolina Highway Department.

The State Code Book, Vol. II, Page 457, defined the boundary as, "..... hence down the South Santee River to the Ocean .....", and does not specify whether the boundary follows the natural channel or the centerline of the river.

Georgetown County claims all of the islands in this section of the river, which would place the boundary near the south shore. According to Mr. S. Bowrne, Georgetown County Tax Assessor, taxes are paid into Georgetown County for all of the islands involved. However, according to Mr. Rene Ravenel, Charleston County Right-of-way Engineer, the boundary falls to the north of Brown Island and to the south of all other islands. The State Highway Department on their "1939 General Highway and Transportation map", shows the boundary in the center of the river but breaks the line at the islands.

*Break The line at the islands. Red.  
see review for town ship names*



The Secretary of State, W. P. Blackwell, states in a letter dated March 25, 1942, that his office had no additional information on this boundary other than contained in the Code.

#### GENERAL DESCRIPTION

The contouring on this Quadrangle was simplified a great deal because of the fact that densely wooded areas were shown as they appear on the photographs and upon field investigation it was noted that these dense areas were mostly deciduous trees and that there was some kind of drainage in these areas. Cross lines were run, wherever possible, to locate the 20-foot contour and, with the help of the planimetric detail, a great deal of sketching was possible, thus saving time and expense.

The photographs were very helpful in sketching the drainage. Where no identifiable object close to a stream could be found on the compilation, one was taken from the photographs and transferred to the compilation-(such as edge of dense brush or trees). After such points had been identified in the field, the streams were located by pacing from these points, thus reducing the amount of traversing. The cost would have been excessive if traverses had been run to delineate all the drainage because of dense woods and brush. *OK Bgt*  
*Streams cannot be located by stereo exam of photos to any extent. Country is too flat and tallest trees are along streams.*  
 The wooded area has been labeled as to its type and density. Along all drainage and in swamps, the timber is practically 100 per cent deciduous and very dense.

Roads not previously shown have been shown only by the center-line and with the dash - - - - symbol. All roads have been classified according to the Army War College instructions of January 12, 1942. On all Class 4 roads the width has been noted.

All bridges appearing on this Quadrangle are wooden and shown with the appropriate bridge symbol. The approximate tonnage for each bridge is 10 tons.

One transmission line appears on this Quadrangle: REA 6900 Volts.

One U. S. Coast Guard telephone line crosses the NE corner of this Quadrangle but only the main line was located. *OK*

Several changes in culture have been made, such as the addition of roads, houses, fields, etc. Deletions shown in red ink and marked Delete.

The Declinatoire was used in all traverses, which saved a great deal of time.

\*\*\*\*\*



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REMARKS:

No future surveys are recommended for this area and all details are believed to conform with the accuracy required.

Respectfully submitted

William A. Rasure  
William A. Rasure,  
Senior Photogrammetric Aid  
U. S. Coast & Geodetic Survey

Approved and forwarded:

Wm. D. Patterson  
Wm. D. Patterson,  
Lieut. Comdr. U. S. C. & G. S.  
Defense Mapping Field Party No. 1

DESCRIPTIVE REPORT (AMENDED)  
 TO ACCOMPANY  
 Quadrangle T-8231  
 Project CS-285  
 F.L.Gallen, Chief of Party

This sheet was inspected according to Supplemental Instructions for Project CS-285, dated October 23, 1942. All corrections indicated in green by the Washington Office have been inspected in the field. They were all found to be correct except those listed below. There are also a few minor changes and additions indicated on photograph number 8330 which is forwarded with the compilation sheet. These changes are also described below.

Latitude  $33^{\circ} 13'$   
 Longitude  $79^{\circ} 21\frac{1}{2}'$

The wet weather swamp is correct as shown by the field survey party in 1942. No definite drainage comes through the swamp as the Washington Office indicated.

Latitude  $33^{\circ} 14\frac{1}{2}'$   
 Longitude  $79^{\circ} 20\frac{1}{2}'$

The intermittent stream originally shown is ~~also~~ incorrect and the delation shown by the Washington Office is also incorrect. This location was visited in the field. A stream emptying into the swamp was found. This has been correctly indicated on photograph 8330.

Latitude  $33^{\circ} 12\frac{1}{2}'$   
 Longitude  $79^{\circ} 20'$

The places indicated in green by the Washington Office as pond and marsh are both pond. The limits of the pond (indicated as marsh on the compilation) have been outlined on the photograph in blue ink. An additional portion of the pond has been indicated on the photograph as extending up the marsh.

Latitude  $33^{\circ} 12\frac{1}{2}'$  to  $33^{\circ} 13\frac{1}{2}'$   
 Longitude  $79^{\circ} 18'$

The pond should be deleted as indicated by the Washington Office. It should be shown as swamp. There is additional swamp in this area as indicated on photograph number 8330.

Latitude  $33^{\circ} 13'$   
 Longitude  $79^{\circ} 18\frac{1}{2}'$

-14-

A part of this intermittent stream was erroneously shown in 1941 and has been deleted in green by the Washington Office. The limits of deletion are indicated by green tick (') marks.

Latitude 33° 15'  
Longitude 79° 21½'

This location was carefully investigated in the field and there is no indication of a swamp at any time. Under the new classification this would now be classified as low ground.

The area along the Intra-coastal Waterway is all spoil area as indicated. The spots that have been circled on the compilation sheet by the Washington Office are piles of sand and mud placed here during dredging of the Waterway. They should be included in the spoil area. These places are high spots in the spoil area formed when the dredged substance did not spread evenly over the entire area.

3. The following color scheme is used to indicate the topographic features on the compilation:

<u>FEATURE</u>	<u>COLOR</u>
Contours and elevations	Brown ink
Drainage, etc.	Blue ink
Deletions	Red ink
Descriptive notes	Black ink and pencil
Corrections by the Washington Office	Green ink

On Photograph number 8330 blue ink was used by the field party to note the corrections to be made to the planimetry when the compilation for Quadrangle 8231 is corrected.

4. JUNCTIONS- This sheet was compared with quadrangle 8230 on the east and quadrangle 8235 on the south and found to be correct. It was compared with quadrangle 8226 on the north and several discrepancies were noted. Both sheets were edited and the proper corrections either indicated on the sheets themselves or on photograph number 8330. On the west the work in quadrangle 8232 was carried in the spring of 1942 to the south bank of the South Santee River. This work has been compared with sheet 8231 and the two found in agreement. The junction north of this point will be made during the present season and will be covered in the descriptive report for quadrangle 8232.

Submitted by

*Dwight L. Greene*  
Dwight L. Greene,  
Senior Photogrammetric Aid

Approved

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



Sheet No. 1

Quadrangle No. 6  
Minim Island

Remarks

Decisions

1		332792
2		"
3		"
4		332793
5		"
6		"
7		"
8		"
9		"
10		331792
11		"
12		"
13		"
14		"
15		"
16		"
17	Intermediate "and" usually omitted on current charts and maps	"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"

# GEOGRAPHIC NAMES

Survey No. Sheet No. 1

Quadrangle No. 6

Minim Island

Name on Survey

	A, On Chart No.	B, On previous survey No.	C, On U. S. quadrangle Maps	D, From local information	E, On local Maps	F, P. O. Guide or Map	G, Rand McNally Atlas	H, U. S. Light List	
Cat Island	✓								1
Cat Island Plantation	✓								2
Annandale Plantation	✓								3
Pleasant Meadow Creek	✓								4
Kinloch Plantation	✓								5
Doar Plantation	✓								6
Rice Hope Plantation	✓								7
White Oak Bay	✓								8
White Oak Creek	✓								9
South Island	✓								10
North Santee Bay	✓								11
Cane Island	✓								12
Cane Creek	✓								13
Marsh Islands	X								14
Sturgeon Island	✓								15
Mosquito Creek (south end)	✓								16
and ? Estherville Minim Creek Canal (south end)	✓								17
Minim Creek	✓								18
Duck Creek	✓								19
Little Duck Creek	✓								20
Big Duck Creek	✓								21
Little Crow Island	✓								22
Crow Island	✓								23
Kinloch Island	✓								24
North Santee River	✓								25
Cedar Island	✓								26
Grace Island	✓								27

Sheet No. 2

Quadrangle No. 6

Minim Island

Remarks

Decisions

1		331792
2		"
3		331793
4		"
5		"
6		"
7		"
8		"
9	Sixmile in one word	"
10		"
11		"
12		"
13	Fourmile in one word	"
14		"
15		"
16		"
17		"
18		"
19		
20		
21		
22		
23		
24		
25		
26		
27		

# GEOGRAPHIC NAMES

Survey No.

Quadrangle No. 6, sheet 2

Minim Island

Name on Survey

13  
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>Drum Islands</u>	✓✓									1
<u>South Santee River</u>	✓✓									2
<u>Minim Island</u>	✓✓									3
<u>Cork Creek</u>	✓✓									4
<u>Bella Creek</u>	✓✓									5
<u>Kinloch Creek</u>	✓✓									6
<u>Bluff Creek</u>	✓✓									7
<u>Doar Point</u>	✓✓									8
<u>Sixmile Creek</u>	✓✓									9
<u>Pleasant Creek</u>	✓✓									10
<u>Santee Swamp</u>	✓✓									11
<u>Atchison Creek</u>	✓✓									12
<u>Fourmile Creek Canal</u>	✓✓									13
<u>Brown Island</u>	✓✓									14
<u>Goat Island</u>	✓✓									15
<u>Murphy Island</u>	✓✓									16
<u>Sall Creek</u>	✓✓									17
<u>Alligator Creek</u>	✓✓									18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Waters under new land appn  
by L Heck on 5/15/42



15  
COMPILATION REPORT  
TO ACCOMPANY  
SHEET NO. T-8231  
Minia Island Quadrangle

GENERAL

This sheet is a combination of reductions of 1934 air photo compilations T-5380 and T-5383. T-5383 and T-5380 were matched and reduced from 1:10,000 to 1:20,000 whereupon a print of the new sheet T-8231 was sent to the field for level, contours, and corrections.

The area covered by this sheet was photographed in 1942 with the nine-lens camera and these 1:20,000 photographs, numbers 8328, 8329, 8330, 8271, 8272 and 8273 are available for check purposes.

No radial plot was run for the sheet as roads and trails were considered sufficient control to check identification of drainage and vegetation.

Attention is called to discrepancies between vegetation notes as shown on the field quadrangle and the same areas on the photograph. The area at Lat.  $33^{\circ} 13'$  to  $33^{\circ} 15'$ ; Long.  $79^{\circ} 22'$  to  $79^{\circ} 22' 30''$  is labeled "Pine" on the field quadrangle whereas photograph 8330 corroborates the original compilation. The original compilation is thought to be faulty in the delineation of vegetation and drainage limits in the area Lat.  $39^{\circ} 13'$  to  $33^{\circ} 15'$ ; Long.  $79^{\circ} 20'$  to  $79^{\circ} 22'$ . In the latter area the compiler has used the photograph in preference to the field quadrangle and attempted to adjust the contours accordingly.

Beacon 12 - Winyah Bay - Charleston Harbor and Light 4 - Winyah Bay - Charleston Harbor have been plotted on T-8231 from geographic positions furnished by the field party on form 567.

Respectfully submitted,

*Milton M. Slavney*  
Milton M. Slavney,  
Prin. Engr. Draftsman

Forwarded by:

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



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FIELD INSPECTION  
PROJECT CS-285

BUILDINGS

b - Barn  
Bldg - Building  
Bo Ho - Boat House  
Ch - Church (give name)  
Ct Ho - Court House (give name)  
P.O - Post Office (give name)  
Sch - School (give name)  
Hos - Hospital (give name)  
RR Sta - Railroad Station  
Sto - Country store or  
gas station  
P Sta - Power Station

BOUNDARIES

BDY - Boundary  
F B - Fire Break  
HDG - Hedge  
Park - Park  
Cem - Cemetery  
Co - County

LANDMARKS

FT - Fire Tower (give name)  
TT - Transmission Tower  
RT - Radio Tower or mast  
Air En - Airway Beacon  
En - Non-lighted aid to  
navigation  
Lt - Lighted aid to  
navigation  
Tk - Low tank  
Tk elev - Tank elevated on  
structure  
Stk - Stack

GENERAL

X - delete; except where it  
pertains to elevations.  
Use only the abbrev. listed  
on this page. Do not make  
up abbreviations.

SHORE LINE

HWL - Mean high water; fast land  
LWL - Low waterline  
LL - Marsh shore line  
M - Marsh  
MW - Marsh grass in water  
Dk - Dock  
Pier - Pier  
Se W - Sea Wall  
Bkhd - Bulkhead  
Jet - Jetty  
Dol - Dolphin  
Pile - Pile  
S - Sand  
Mud - Mud  
Rk - Rock or rocky  
Sty - Stony  
Cone - Concrete  
Wo - Wood  
Blr - Bluff  
Dune - Dune

STREAMS AND PONDS

D - Largest ditches only  
DX - Small ditch (delete)  
IS - Intermittent stream  
FD - Probable drainage  
Cr - Creek  
Ca - Canal  
Cv - Culvert  
Lev - Levee  
Dam - Dam  
P - Pond  
IP - Intermittent pond

VEGETATION

Gr - Grass  
Sw - Swamp  
Cy Sw - Cypress Swamp

## ROAD CLASSIFICATION FOR MAPS OF ALL SCALES

CLASS	LABEL	STRUCTURE	LOADING
1	Dependable hard-surface heavy duty road.	Concrete, asphaltic concrete bituminous Macadam, H-15 type structures.	Will bear heaviest loads with little maintenance.
2	Secondary, hard-surface all-weather road.	Surface-treated, oiled gravel, waterbound Macadam, structures generally lighter than H-15 but sturdy.	Will bear fairly heavy military loads in all weather if maintained.
3	Loose-surface graded, dry-weather road.	Gravel or stone surface, stable material, selected sand-clay, etc. Drained and graded.	Will bear light military loads in good weather.
4	Unimproved road.	Graded and drained earth, with very light structure.	Generally unsuitable for military loads.
4U	Truck road	Woods roads, farm roads, etc. over which a standard gage vehicle can be driven.	
5	Trail	(Horse trails, foot trails, etc.)	

Roads with more than two (2) lanes are indicated by note along road, e. g. 3 LANE. Change in lanes shown by tick at point of change. Main roads have two lanes unless otherwise marked.

Private roads are designated by the letter P after the road classification.

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### WOODS CONCEALMENT CLASSIFICATION

Class A: Trees over 10' high and thick enough to hide troops.  
 Class B: Brush thick enough to hide troops but dense enough to impede progress.  
 Class C: Scattered brush thick enough to hide troops but not thick enough to impede progress.

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## 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.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8231

MINIM 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

The nearest horizontal accuracy test was run in quadrangle T-8232.

The nearest vertical accuracy test was run in quadrangle T-8233.

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.

Refer to comparisons made in reviews for the 1935 air photographic surveys. See descriptive reports T-5380 & T-5383.

Comparison with Nautical Charts Nos.

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:

T-8231 has not yet been applied to the nautical charts, however the details 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:

*with reference to Page 4 Par 4 of this report,*  
Subsequent to the field work on this quadrangle the entire area was rephotographed and the new nine lens photographs have been used during this review to check the map manuscript for additions and corrections.

There are 22 U.S. Engineers stations shown on the *original planimetric* ~~maps of this area~~ manuscript but these were not transferred to the printed, (1:20,000 and 1:31,680 scale), quadrangles.

Reviewed May 13, 1943

By W.W. Belling  
(per H.M.)

under direction of D. H. Benson

*B.G. Jones 2/12/46*  
Inspected by B. G. Jones

Examined and approved:

K.T. Adams

Chief, Surveys-Branch  
Division of Photogrammetry

Chief, -Topography-Section-

Robert W. Belling

Chief, Div. of Charts-  
Nautical Charts Branch

Raymond P. Egan  
Chief, Div. of Coastal  
Surveys



## NAUTICAL CHARTS BRANCH

SURVEY NO. 8231

### 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.