

8215

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

BROOKGREEN, S.C.

N 33 30 - W 79 00 / 7.5

Type of Survey Topographic

Field No. Office No. T-8215

LOCALITY

State South Carolina

General locality Georgetown-Horry Counties

Locality Brookgreen

194 3

CHIEF OF PARTY

F.L. Gullen and

Lieut. Comdr. Kenneth G. Crosby

LIBRARY & ARCHIVES

DATE December 21, 1945

B-1870-1 (1)

DATA RECORD

T- 8215

Quadrangle (II): Brookgreen, S.C.
N3330-W7900/7.5

Project No. (II): 275

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): July 15, 1942 Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: Aug. 4, 1943

Reported to Nautical Chart Section: Aug. 6, 1943

Reviewed: 10/20/43 Applied to chart No. Date:

Redrafting Completed: Jan. 31, 1944

Registered: 11/14/45 Published: 1944

Compilation Scale: 1:20,000 Published Scale: 1:20,000

Scale Factor (III): 1.00

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

Reference Station (III): ~~Wachesaw~~ Wachesaw, 1934Lat.: $33^{\circ}33'36.641''$ (1128.9m) Long.: $79^{\circ}05'05.492''$ (141.7m) Adjusted
UnadjustedState Plane Coordinates (VI): South Carolina, ~~South~~ North Zone

X = 2,583,456.04 ft. Y = 209,359.57 ft.

South Carolina, ~~North~~ ^{9m} South zone
X = 2,583,421.25 ft.
Y = 633,578.96 ft.

Military Grid Zone (VI)

Zone "B"

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8237	Apr. 2, 1942	13:07	1:20,000	0.0
8238	"		"	"
8241	"		"	"
8242	"		"	"
8243	"	13:19	"	"

Tide from (III): Predicted Tide, Morrell Inlet, 1942

Mean Range: 4.5' Spring Range: 5.3'

Camera: (Kind or source) U.S.C. & G.S. 9 lens

Field Inspection by: Gordon Bowker, L.G.Chambers, date: Feb. Mar. April,
Wm. Clark 1943

Field Edit by: D. Flippo and L. Levin date: Aug. 1943

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

Red line celluloid print

Projection and Grids ruled by (III) Washington office date:

" " " checked by: date:

Control plotted by: (previous compilations) date:

Control checked by: " " date:

Radial Plot by: " " date:

Revised

Detailed by: E. A. Worrell, Jr. Engr. Draftsman date: June-July, 1943

Reviewed in compilation office by: F.H. Elrod, Sr. Photo date: July 1943
Aid

J.H.S. Billmyer, Ass't Photo Engr.

Elevations on Field Edit Sheet

checked by: J.N.S. No level elevations shown

date: 10/20/43 J.N. Stewart

STATISTICS (III)

Land Area (Sq. Statute Miles); (Previously reported)

Shoreline (More than 200 meters to opposite shore); (Previously reported)

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; unknown

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. 275, 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 1:10,000. 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 photographs for the most part. However a blue line print of the quadrangle upon which corrections were made by the field party was used to supplement 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.

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. This sheet is a red-line print made from planimetric maps published in 1935.

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. ~~Steps 2 and 4 were accomplished simultaneously.~~

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.

DESCRIPTIVE REPORT TO ACCOMPANY MURRELLS

INLET QUADRANGLE

DEFENSE MAPPING PROJECT CS-275-11

Wm. D. Patterson, Chief of Party.

Field Report 1942 Season

SURVEY METHODS

Plane Table and Stadia were used to locate all detail and contours added to the sheet. All orientations were made with a Declinatoire and a magnetic meridian placed on the sheet by orienting along a long straight stretch of road, except where set-ups were made on such roads. Where a set-up was made on a long straight road, the orientation was made from the plotted road on the work sheet. All traverses were run by setting up on alternate points. All detail was located from the nearest control points, and where necessary, closed traverses were run. Where possible, contours were located by off-setting from established roads, but in some cases it was necessary to run closed traverses through the woods in the vicinity of the contour. As the only long traverse on which there was a closing error in excess of 10 meters, was made along a road from which no other detail was located, it was not necessary to adjust the traverse due to all error being along the length of the road. When traversing, elevations were carried by differential leveling where possible. In case of extreme rise or fall, the vertical angle and hypsograph were used. When traversing roads on which no level lines had been run, all detail and contours adjacent to the road were located. At desired points, elevations were set for future use. These points were adjusted after the traverse was closed.

CONTROL

Plane Table positions were located by the use of identifiable detail already shown on the work sheet. Only details readily acceptable as being accurately located were used. Where such points were encountered, positions were adjusted as necessary.

Vertical control was taken from lines of third order levels previously established, or from permanent Bench Marks of known elevation.

REVISION WORK

Revision of the location and delineation of some roads in the Brookgreen Garden reservation was necessary due to the recent construction of several large ditches and fire breaks which are used to bound certain sections of this area. The delineated roads, although in some cases still passable, are in very poor condition, and will, within a short time, become impassable due to continued disuse. In each of these areas main roads for access to the area, with the route of entrance have been shown. Buildings and other new detail; as well as

contour lines have been located only after adjustment of traverses.

ACCURACY

All vertical control was closed with errors of less than .5 of a foot, before the location of any contour control points were established.

All traverses were closed within an allowable error, or were adjusted before the location of any detail.

SHORELINES

The shorelines of the Waccamaw River, that have so far been inspected, (as far North as Lat. $33^{\circ} 33.5'$), are correct as they are shown. The shoreline along the Atlantic Coast was not inspected.

EXTENT OF COMPLETENESS

All work south of the power line between ~~Murrells~~ Inlet Post Office, and the Waccamaw River to the southern boundary of Brookgreen Gardens was completed. The area immediately adjacent to U. S. Highway 17 is also complete.

Morrall

JUNCTIONS

good
As this is only about 1/4 completed, there are only two junctions with other sheets.

The junctions that have been made, with the Magnolia Beach Sheet, and the Myrtle Beach U. S. G. S. quad. were very satisfactory.

LANDMARKS

Two new landmarks, Brookgreen Fire Tower, and Brookgreen (~~stack~~) Chimney, have been established and located. These have been properly submitted on form 524. No other permanent land marks have been thus far established or encountered.

GEOGRAPHIC NAMES

All geographic names are to be covered in a special report.

MARSH AREAS

All marsh areas covered to date were areas of old rice fields and are correct as shown.

Two topographic stations, BOB & WHI, which were established in 1926 and recovered in good condition in 1943, were added to the map manuscript at the time of registering.

A. Moreley.

PHOTOGRAPHS

Photographs were used in conjunction with the field work, and were helpful in aiding in the location of drainages.

BOUNDARIES

The boundaries of Brookgreen Gardens in ink are the boundaries that were actually traversed in the field. Those in pencil are boundaries that are indefinite in that they have not been definitely established on the ground because of continued acquisition of land in that section. Penciled boundaries have been transferred to the sheet from a sketch obtained from the superintendant of the reservation.

The Horry-Georgetown County boundary has only been located at the point at which it crosses U. S. Route 17.

BRIDGES

No bridges of any consequence have been encountered so far on this sheet.

BEACONS AND LIGHTS

No beacons or lights have so far been located.

Located by launch party 9/18/0

Submitted by,

Gordon Bowker
Gordon Bowker,
Photogrammetric Aid,
U. S. Coast and Geodetic Survey

Approved and forwarded:

Wm. D. Patterson
Wm. D. Patterson,
Chief of Party,
U. S. Coast and Geodetic Survey

FIELD INSPECTION REPORT
TO ACCOMPANY
QUADRANGLE T - 8215
PROJECT CS-275

Additional work in 1943

(This report supplements the Descriptive Report for this Quadrangle written by Gordon Bowker in the spring of 1942 for the work done at that time on the blue-line print of the compilation).

1. The area covered by this quadrangle is composed of low rolling hills interspersed with numerous bays and swamps with broad stretches of marsh along the Waccamaw River on the west side and in Murrell's Inlet on the east. The area is heavily covered with pine and oak with cypress and gum in the swamps. Drainage is accomplished by short streams and ditches along the coast on the east and by long streams and swamps which drain westward into the Waccamaw River.

The Waccamaw River flows from north to south along the west side of the quadrangle and its banks are generally old abandoned rice field ditches. These rice fields, which lie on both sides of the river, are low and marshy and have numerous dikes and ditches for flood control. These dikes and ditches have not been maintained for over ten years.

Sandy Island, on the west edge of the area, is composed of high sandy ridges, covered with scrub oak and pine, interspersed with low swampy hollows which are heavily wooded with cypress and gum.

The roads in the entire quadrangle, with the exception of U. S. 17, are poorly maintained and are very rough.

2. The field inspection was done on the photographs for the whole quadrangle with the exception of that inspection done in the spring of 1942 by Gordon Bowker. Some of the 1942 inspection has been revised due to changes in methods of classification. Any revision will appear on the photographs and not on the map manuscript.

The field inspection is believed to be complete except for some small items which may have been omitted, which will be noted in the field edit and the classification of bridges, which will also be added at that time.

3. See Report for Quadrangle T-8238.

4. Horizontal Control for this quadrangle was established by the U. S. C. & G. Survey and the South Carolina Geodetic Survey. All stations which were recovered have been pricked on the photographs and forwarded to the Tampa Office.

5. See Report for Quadrangle T-8238. No discrepancies were found in the South Carolina Geodetic Survey in this quadrangle.

6. Contours were run directly on the photographs for most of the area except for those run on the compilation by Gordon Bowker in 1942.

See Report for Quadrangle T-8215 (1942).

See Report for Quadrangle T-8238 (1943) for methods.

7. Mean highwater line has been delineated in red ink on the photographs which apply to the coast line.

9. Wharves, docks and shoreline structures have been noted in red ink on the photographs.

10. The sand spit on the east side of Murrell's Inlet and the entrances to the Inlet are changing from year to year and during any violent storm. Any attempt to show the permanent location of these would be futile.

11. Thirty-one lights and beacons on the Waccamaw River appear in this quadrangle. These were located by sextant and submitted on Form 567 in 1942 with the exception of the eleven beacons north of Light 92, which will be located in 1943. (Located in April, 1943 - see form 567 attached).

There are eleven beacons in Murrell's Inlet and these were located by planetable and submitted with this Report on Form 567.

14. See Report for Quadrangle T-8238.

15. See Report for Quadrangle T-8238.

16. See Report for Quadrangle T-8238.

17. The Horry-Georgetown County and the Brookgreen Gardens boundaries have been shown on the compilation. The Horry-Georgetown County boundary line was established by locating an old fence line which was built on the original survey by Capt. Thorn Daggett in 1887. Part of the old fence was still standing and in other points wire was found embedded in trees. Several points were located and the county line extended through them to the center of the Waccamaw River. Political boundaries will be added during field edit.

18. The Geographic Names are the subject of a special report for project CS-275.

19. The junctions with Quadrangle T-8211 on the north and T-8216 on the west are on the photographs, and the junctions with T-8219 on the south and the U. S. G. S. Myrtle Beach quadrangle on the east are on the compilation. All junctions have been checked in the field.

Respectfully submitted,

L. G. Chambers

L. G. Chambers,
Prin. Photogrammetric Aid.

Approved and forwarded:

F. L. Gallen

F. L. Gallen,
Chief of Party.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Chart Letter 188 - 1943

TO BE CHARTED

TO BE DELETED } STRIKE OUT ONE

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.

Original copy find to Director 3/17/43

LANDMARKS FOR CHARTS

Myrtle Beach, South Carolina March 4, 1943

non-floating aids to navigation

landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The "a" should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION		METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART INSHORE CHART OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE	LONGITUDE				
	Murrell's Inlet, S. C.	o 4	D. M. METERS	o 1	D. P. METERS		
Bn. #4	33 52	553	79 01	1277	MA 1927 Table	2-15-43	1237
Bn. #5	33 52	841	79 01	1187	"	" "	1237
Bn. #6	33 32	1462	79 01	654	"	"	1237
Bn. #8	33 33	48	79 01	845	"	"	1237
Bn. #9	33 33	187	79 01	761	"	"	1237
Bn. #11	33 33	293	79 01	502	"	"	1237
Bn. #13	33 33	536	79 01	518	"	"	1237
Bn. #14	33 33	407	79 01	1174	"	"	1237
Bn. #16	33 33	780	79 01	1134	"	"	1237
Bn. #17	33 33	884	79 01	787	"	"	1237
Bn. #19	33 33	1356	79 01	578	"	"	1237
				Positions scaled by L. G. Chambers			
				Positions checked by P. F. Cox.			

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 "a" 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

Chart Letter 283-1943
T-8215

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

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.

**LANDMARKS FOR CHARTS
AIDS TO NAVIGATION**

Myrtle Beach, S. C.

April 27th - , 1943

Original Copy find. To Director 4/29/43

T. L. Gallen - - - - - Chief of Party.

GENERAL LOCALITY INTRACOASTAL WATERWAY	POSITION				METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART INSHORE CHART OFFSHORE CHART	CHARTS AFFECTED
	LATITUDE	LONGITUDE	D. M. METERS	D. P. METERS				
Beacon No. 77	33 37	574	79 05	1542	N.A. Plane- 1927 table	April 1943		836
Beacon No. 79	33 37	525	79 05	1454	"	"		"
Light No. 81	33 37	94	79 05	1182	"	"		"
Beacon No. 82	33 37	80	79 05	822	"	"		"
Beacon No. 85	33 36	1215	79 05	725	"	"		"
Light No. 87	33 36	1054	79 05	717	"	"		"
Light No. 88	33 36	729	79 05	610	"	"		"
Beacon No. 90	33 36	521	79 05	638	"	"		"
Light No. 91	33 36	209	79 05	731	"	"		"
(Intracoastal Waterway lights and beacons Nos. 92 to 116 in this quadrangle were located and their positions submitted by T. D. Patterson last year.)								
			Scaled by E. L. M.	Checked by T. H. R.				

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 chart should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

COMPILED REPORT
TO ACCOMPANY
SHEET NO. T-8215

CONTROL

This sheet is made up from maps compiled from air photographs in 1934, and the detailing done in the Tampa office consisted of making additions and revisions on a red line celluloid print of the previous compilations combined to make a $7\frac{1}{2}$ minute quadrangle.

The old detail was assumed to be correct except where changes had taken place and was held to in the revision.

No radial points were cut in except in the southeastern corner of the sheet along the Atlantic shoreline.

Radial Plot

This sheet was not a part of any radial plot run in this office.

Detailing

As mentioned above, all of the detailing consisted in making additions and corrections to the detail that had changed since the previous compilations were made and adding other information that is necessary to be shown on the war mapping sheets.

No difficulty was experienced in the interpretation of the photographs.

Field inspection was satisfactory except in the northeastern part of the sheet where there was no inspection. The previous compilation appeared to be correct in this area and therefore no attempt was made to classify the vegetation.

The Atlantic shoreline in the southeastern part of the sheet was revised with the aid of a projector, as the scale of the photograph was very poor.

The complete boundaries of Brookgreen Gardens were not given by the field inspection and they should be further investigated.

There are some slight discrepancies along the junction with the published sheet T-8219 on the south. These discrepancies should be checked and corrected by the Washington office.

A spot elevation of 46' is shown at Latitude $33^{\circ}33'2$, Longitude $79^{\circ}07'.4$. A stereoscopic inspection of this point shows that this elevation is apparently in error, and the small contour around it is obviously of 20' elevation. ^{OK}

A contour does not close at Latitude $33^{\circ}34'.1$, Longitude $79^{\circ}06'.3$. No attempt was made to correct it in this office, due to the flatness of the ground in that area. ^{Completed by field edit.}

Supplemental Data

A blue line print of the quadrangle upon which corrections were made by the field party was used to supplement the photographs. No maps and plans by any other organizations were available.

Landmarks and Aids to Navigation

The lights and beacons which fall on this sheet were plotted on the blue line print, by the field party, from sextant fixes. These navigational aids were transferred directly to the celluloid sheet by the compiler.

The positions of Brookgreen Fire Tower and Brookgreen Chimney were plotted from Forms 524 submitted by the field party. The fire tower is not recommended for a landmark by Lieut. Comdr. Patterson. The chimney, (stack), has been charted on Intracoastal Waterway Chart No. 836.

Comparison with Existing Topographic Quadrangles

No existing topographic quadrangle maps were available for a comparison.

Comparison with Nautical Charts

The sheet was compared with U.S.C. and G. S. chart 1237 which was published April 1938 on a scale of 1:80,000. The only major discrepancy occurs just south of Morrell Inlet. On the chart the beach is continuous, but the present compilation shows that a channel has been cut through by wave action, leaving about a mile of beach isolated as an island. It is recommended that this sheet supersede the charted information.

Respectfully submitted,

Emma A. Worrell

E. A. Worrell,
Jr. Engr. Draftsman

Forwarded:

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

FIELD EDIT REPORT
QUADRANGLE T-8216
Project CS - 275

46. The field edit was done by visual inspection, making all additions and deletions on the map manuscript, and transferring all the detail to a smooth copy while inking.

The following color scheme was used:

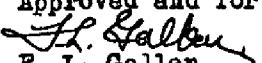
<u>FEATURES</u>	<u>COLORS</u>
Additions, bench marks, wye level elevations and crosses	red
Deletions	green
Drainage features	blue
Contours	brown
Civil Boundaries	violet

47. The position and amount of detail on this map manuscript is believed to be complete and adequate.

48. A horizontal accuracy test was run in Quadrangle No. T-8216.

The Vertical tests are the subject of a special report for Project CS-275 and 285. Closest vertical accuracy test on T-8209

Respectfully submitted,
Donald Flippo FA4
Donald Flippo,
Engineering Aid.

Approved and forwarded:

F. L. Gallen
Chief of Party

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)
TP - Transmission Tower
RT - Radio Tower or mast
Air Bn - Airway Beacon
Bu - 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
Blf - Bluff
Dune - Dune

STREAMS AND PONDS

D - Largest ditches only
DK - Small ditch (delete)
IS - Intermittent stream
PD - 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

WOODS AND BRUSH

TYPE

D	Deciduous
E	Evergreen
Gy	Cypress

CONCEALMENT

- 2 Trees 10 feet or more in height, and thick enough when in foliage to conceal troop and vehicles.
- 1 Brush and undergrowth thick enough to impede foot troops and conceal troops lying down.
- X Scattered trees not thick enough to conceal troops.
- W Scattered brush not thick enough to conceal troops.

PHYSICAL FEATURES

- HG Higher ground - usually appears in light tone on photograph; either wooded or cultivated area; may be scrub trees or brush. (usually not symbolized on photographs.)
- LG Low areas - generally appears dark on photograph; becomes swampy during rainy season; often covered with dense growth of brush.
- SW Swamp - ground covered with water or boggy most of the time; lower in elevation than LG; wooded and/or brush.
- M Salt marches

NOTE: The above areas are not outlined but sufficient notes are made on each photograph so that the variation in tones can be correctly interpreted in the office.

BRIDGE AND TUNNEL CLASSIFICATION

<u>First Symbol</u>	<u>On- Lane</u>	<u>Unlimited</u>
Capacity	5 m.p.h.	
A	50 tons	25 tons
B	25 tons	18 tons
C	18 tons	13 tons
D	10 tons	7 tons
E	8 tons	4 tons
F	Light vehicles only	

Second Symbol

Vertical Clearance A - over 14 feet
 B - over 13 feet
 C - over 12 feet
 D - over 11 feet, etc.

Third Symbol

Horizontal Clearance A - over 18 feet
 B - over 17 feet
 C - over 16 feet
 D - over 15 feet, etc.

Fourth Symbol - Year of Classification.

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.

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.

T-8215

No. 2

Remarks

Decisions

1		335790
2		"
3		"
4		"
5		"
6		" N.S.G.B.
7		"
8		"
9		"
10		335791
11		"
12		"
13		"
14		"
15		"
16		" "
17		"
18		"
19		"
20		"
21		" U.S.G.B.
22		"
23		"
24		"
25		336791 U.S.G.B.
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8215

2	Name on Survey	A,	B,	C,	D	E	F	G	H	K
	✓ Richmond Island	✓								1
	✓ Wachesaw Landing	✓								2
	✓ Collins Creek	✓								3
	✓ Veux Island	✓								4
	✓ Vaux Creek	✓								5
	✓ Prince Creek	✓								6
	✓ Silver Creek	✓								7
	✓ Longwood Island	✓								8
	✓ Fisherman Creek	✓								9
	✓ Sandy Island	✓								10
	✓ Mulberry Landing	✓								11
	✓ Black Creek	✓								12
	✓ Silver Island	✓								13
	✓ Crane Creek	✓								14
	✓ Bull Tongue Island	✓								15
	✓ Sand Hole Creek	✓								16
	✓ Ruinaville Creek	✓								17
	✓ Springfield Island	✓								18
	✓ Springfield Creek	✓								19
	✓ Brookgreen Island	✓								20
	✓ Brookgreen Creek	✓								21
	✓ Oaks Island	✓								22
	✓ Flagg Island	✓								23
	✓ Still Creek	✓								24
	✓ Bull Creek	✓								25
	✓ Little Bull Creek	✓								26
	✓ Mosquito Creek	in	Plantersville	Quad.						27

No. 1
Decisions

	Remarks	No. 1 Decisions
1		335790
2		U.S.G.B.
3		
4		
5		Road Maps
6		Name Sheet No. 11
7		
8		
9		334790
10	U.S.G.B. decision in 1937. However, the name of the P.O. is still Murrells Inlet and should so be shown at proper location	335790 U.S.G.B.
11		" "
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"

T 8215

GEOGRAPHIC NAMES

Survey No. T-8215

BROOKGREEN quadrangle

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		
1	A	B	C	D	E	F	G	H	K	
✓ Long Bay	✓								1	
✓ Waccamaw River	✓								2	
✓ Georgetown County	✓								3	
✓ Horry County	✓								4	
✓ U.S. No. 17	(not State 49 as on Name Sheet No. 11)								5	
✓ River Road	✓								6	
	N.B. This list made up from Name Sheet No. 11. Consequently townships and road names are incomplete. D.H.								7	
✓ Magnolia Beach	✓								8	
✓ Morrall Inlet	(inlet)	✓							9	
✓ Morrall Inlet	(village)								10	
✓ The Bay	✓								11	
✓ Oaks Creek	✓								12	
✓ Drunken Jack Island	✓								13	
✓ Allston Creek	✓								14	
✓ Weston Flat	✓								15	
✗ Charlie Leonard Cut		too small								16
✓ Goat Island	✓								17	
✓ Woodland Creek	✓								18	
✓ Main Creek	✓								19	
✓ Parsonage Creek	✓								20	
✓ Whale Creek	✓								21	
✗ Sunny Side	(settlement)	✓							22	
✓ Brookgreen Gardens									23	
✓ White Creek	✓								24	
✓ Laurel Hill Island	✓								25	
✓ Cow House Creek	✓								26	
									27	

T-8215

No. 3

Remarks

Decisions

1		336791
2		"
3		336790
4		"
5		"
6		U.S.G.S.
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GEOGRAPHIC NAMES

Survey No. T-8215

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~~ ~~wamp-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- 8215

BROOKGREEN 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 is in quadrangle T-8212.

The nearest vertical accuracy test is in quadrangle T-8209.

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-1280b	1:20,000	1872
T-4198	1:20,000	1926

Comparison with Nautical Charts Nos. 1237

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 detail of this quadrangle should be applied to this chart especially along the Atlantic Coast where the shore line has noticeably changed.

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 Oct 1, 1973 By Jack L. Ruhn
under direction of D. H. Benson

Inspected by B. G. Jones B.G. Jones 11/45

Examined and approved:

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

~~Chief, Topography Section~~

Robert W. Karp
Chief, Div. of Charts-
Nautical Chart Branch

Raymond J. Flynn
Chief, Div. of Coastal
Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. 7.8215

Record of Application to Charts

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.