

6329

Graphic Control

U. S. COAST & GEODETIC SURVEY  
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DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
R. S. PATTON, DIRECTOR

## DESCRIPTIVE REPORT

Topographic }  
Hydrographic } Sheet No. "J"

State South Carolina

LOCALITY

Waccamaw River

193 5

CHIEF OF PARTY

Lt. Jack C. Sammons

Graphic Control

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. J

REGISTER NO. **6329**

State South Carolina

General locality ~~Georgetown, S. C.~~

Locality Waccamaw River

Scale 1/10,000 Date of survey March, 1935

Vessel Shore Party No. 2

Chief of party Lt. Jack C. Sammons

Surveyed by Henry J. Bozzo

Inked by Henry J. Bozzo

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated October 25, 1935

Remarks: \_\_\_\_\_

## OUTLINE

1. INSTRUCTIONS
2. PURPOSE OF SURVEY
  - (a) Hydrographic control
  - (b) Location of Topographical detail for  
use in the air-photo compilation
3. LIMITS OF SHEET
4. DESCRIPTION OF TERRITORY
5. CONTROL
6. SURVEYING METHODS USED
7. TOPOGRAPHIC FEATURES LOCATED FOR USE  
IN AIR-PHOTO COMPILATION

1. INSTRUCTIONS

The survey was carried out according to instructions dated 10/25/34.

2. PURPOSE OF SURVEY

The purpose of the survey was:

- (a) To furnish control for the hydrographic development of the  
Waccamaw River, part of the Intra-coastal Waterway.
- (b) Location of small sections of shoreline for checking and supplementing air-photo compilation.

3. LIMITS OF SHEET

The work began, at the bottom of the sheet, at station TOP Lat. 33°- 37.2, Long. 79°-06.2 and extended northward to station ENTERPRISE at Lat. 33°-40.0, Long. 79°- 03.6.

4. DESCRIPTION OF TERRITORY

The terrain in general is low, marshy ground, heavily wooded. The Waccamaw River is approximately one hundred meters wide in this locality and bordered by cypress and other varieties of tall trees, growing to the waters edge. In a few places there are patches of marsh grass at the rivers edge. In a few places the water floods back at varying distances to higher ground or trees.

5. CONTROL

The following triangulation stations were used for control:

TOP 1934  
OLD 1935  
STACK 1935  
NEW 1935  
ENTERPRISE 1934  
SALEM 1934 - - - - - Not used.

6. SURVEYING METHODS USED

This sheet was accomplished by stadia traverse between the control

SURVEYING METHODS USED (CONTINUED)

stations due to the tall trees bordering the river which rendered inland stations useless. Comparitively short traverses were run from TOP to OLD and from OLD to STACK, working both ways from the control stations and meeting at a signal approximately midway between. These checked well. A traverse was run from Station STACK to station NEW and the closing error of three meters was distributed along the traverse by parallel lines. Cuts to hydrographic signals were correspondingly adjusted.

A traverse was run from station ENTERPRISE to station NEW with a closing error of six meters. The traverse was rerun and when it failed to eliminate the error the positions were checked and ENTERPRISE was found to be misplotted by approximately four meters due to a faulty meter scale.

The traverse was replotted in the office using the correct position of ENTERPRISE and the closing error was slightly more than one meter. All cuts to shoreline and hydrographic signals were adjusted correspondingly.

The wooded banks of the river made ground set-ups impractical, hence special 12 foot legs were used with the standard tripod head. Set-ups were made in the marsh and in water up to a depth of four feet using a scaffold constructed around the instrument.

Each set-up on the sheet is marked by a small square and numbered in pencil with each cut shown. Where a stadia reading of the distance was taken the cut was labeled with an "S". Pages 5 and 6, "Methods of Location", show in detail how the position of each set-up and hydrographic signal was obtained.

7. TOPOGRAPHIC FEATURES LOCATED FOR USE IN AIR - PHOTO COMPILATION

Shoreline was taken around set-ups where feasible to check the air-photo compilation. This shoreline checked to an accuracy of three meters after several changes were made on the compilation due to overhanging trees.

Respectfully submitted,

*Henry J. Bozzo*

Henry J. Bozzo  
Surveyor

Forwarded through -

*Jack C. Sammons*  
Lt. Jack C. Sammons,  
Chief of Party



REVIEW OF GRAPHIC CONTROL SURVEY T-6329, SCALE 1/10,000.

Date of Review *Aug 26, 1935.*

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-*5250 5249*, with particular attention to the following details:

- (a) Projection has been checked in the Field. ✓
- (b) Accuracy of location of plane table control points. ✓
- (c) Discrepancies between detail on this survey and the air photo compilations listed above. *none on T-5250*
- (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above. *Small error H.W.L. on T-6329 at dock just N. of D. Stack 1935.*

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-*5250 5249*, for a more complete discussion of any errors or discrepancies found. ✓

Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section. ✓

Notes and corrections resulting from the review are shown on this survey in green. ✓

*Leonard A. Nulsaun*  
*Aug 26, 1935.*

## METHOD OF LOCATION

Station or Set-up	Orienting on station	Distance from station	cuts from stations			resections on stations		
Top	Stack							
Set-up 2	Top	Top	Top					
Cad			erected over Setup No. 2					
Bld		No. 2	No. 2					
Aft		No. 2	No. 2	Top				
Bat		No. 2	No. 2	Top	No. 5			
Set-up 3	Top	Old	Top			Old	No. 2	
Set-up 4	Top	No. 3	Top	No. 3		Old		
Set-up 5	No. 4 - 2	No. 4	No. 4	No. 2				
Con			Top	No. 3	No. 4 - 5			
Chow		No. 4	No. 4	No. 2				
Cob		No. 3 - 4	No. 3 - 4	Top	No. 6			
Set-up 6	No. 3	Stack	No. 3			Stack		
Set-up 7	No. 6	No. 6	No. 6			Stack		
Set-up 8	No. 7	Fuss	No. 7					
Set-up 9	No. 3	Dope	No. 3	No. 8		Stack	Old	
Dope		No. 3 - 9	No. 3	No. 9	No. 7			
Drag		No. 9	No. 9	No. 2 - 3	No. 4-8			
Dye			No. 3	No. 8	No. 9			
Fit			No. 7	No. 8	No. 9			
Flap		No. 8	No. 8	No. 9				
Fog		No. 8	No. 8	No. 6				
Fuss		No. 7 - 8	No. 7	No. 8				
Go		No. 6 - 7	No. 6	No. 7				
Gut		No. 7	No. 7	No. 8	No. 6			
Set-up 10	No. 6	No. 6	No. 6					
Set-up 11	No. 10	No. 10	No. 10					
Bit		No. 6-11	No. 6-11	No. 7	No. 10			
Bow		No. 11	No. 11					
Clay			No. 10	No. 11				
Cool		No. 11	No. 11					
Set-up 12	No. 10	No. 10	No. 10					
Set-up 13	No. 12	Dead	No. 12					
Cot			No. 11	No. 12	No. 13			
Cub		No. 12	No. 12	No. 13				
Dead		No. 12-13	No. 12	No. 13				
Dike		No. 13	No. 13	No. 12				
Dip		No. 13	No. 13	No. 12				
Enterprise New								
Set-up 15	Enterprise	Last Pile	Enterprise					
Set-up 16	Enterprise	No. 16	Enterprise					
Set-up 17	Enterprise	No. 16	Enterprise					
Set-up 18	Enterprise	Fun	Enterprise	No. 17				
Set-up 19	No. 18	No. 18	No. 18					
Set-up 14a	Enterprise	Enterprise	Enterprise					



## METHOD OF LOCATION

Station or Set-up	Orienting on Station	Distance from Station	Cuts from Stations			Resection on Stations		
Hart		No. 14a	No. 14a	Enterprise				
Hit		No. 15	No. 15	No. 16				
Hay		No. 15 - 16	No. 15	No. 16	Enterprise			
Grit		No. 16	No. 16	No. 15	Enterprise			
Rick		No. 16	No. 16					
Hawk		No. 17	No. 17					
Grill		No. 17	No. 17					
Gap		No. 17	No. 17	No. 18				
Get		No. 17	No. 17	No. 18	No. 16			
Fun		No. 17-18	No. 17	No. 18				
Flop		No. 18	No. 18					
Fire		No. 18	No. 18					
Fix		No. 18	No. 18	No. 19				