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

DESCRIPTIVE REPORT

Topographic | Hydrographic |

Sheet No. . . "

"E"Z"F

State South Carolina

LOCALITY

Poo Doo, Waccamaw.

Pee Dee, and Black Rivers.

Vicinity North of Georgetown

1935

CHIEF OF PARTY

Lt. Jack C. Sammons

U.S. GOVERNMENT PRINTING OFFICE: 1934

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.

	REGISTER NO	6327 8	⊋
State South Carolina	omaw Per	e Dee, & Blac	k Rivers
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Chief of party			·
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Inked by	<u> </u>		•
Heights in feet above.	leHeWe to	ground to tor	s of trees
Contour, Approximate co	ntour, Form	line interval	feet
Instructions dated	3 225	*******************************	, 19 54
Remarks:			*

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET 'E' (FIELD LETTER)

Instructions dated October 25,1935.

GENERAL DESCRIPTION OF COAST:

This sheet covers the Vaccamaw River from the bridge at Georgetown to Butler Island, also portions of the Pee Dee and Black Rivers.
The main purpose of the sheet was the location of signals for use in
hydrography, and short sections of shore line only were taken around
convenient setups for a check and guide in the compilation of shore
line taken from aerial photography. The shore, in general, is marshy
and covered with grass about eight feet high, and high water usually
floods from 5 to 20 meters back of the grass line. The low land along
the rivers is not thickly wooded, but there are numerous clumps of trees
and brush.

LANDMARKS:

Landmarks are very scarce in this locality. The following are the only ones available:

The white cupola (with columns) of a building on Arcadia Plantation.

A brick stack on the east side of the Waccamaw River, one-half mile north of Arcadia Plantation.

A silver-colored, elevated tank on the east side of the Waccamaw River and one-half mile south of Arcadia Plantation.

A flagpole on Arcadia Plantation.

A barn on Windsor Plantation on the west bank of the Black River. CONTROL:

The control for this sheet was furnished by second and third order main scheme and intersection triangulation stations.

CLOSING ERRORS OF TRAVERSES RUN :

A traverse was run from set-up "H", near triangulation station DEE, to set-up "S". The traverse was checked at its end by comparing the location of the bridge fender from set-up "S", with its location on the sheet to the south. The two locations checked exactly on some points, and not more than two meters out on any. A traverse was run from WINDSOR to set-up "G", where a three point fix was obtained. The discrepancy was three meters. The three point fix position was used for going ahead to station DEE, where an exact check was obtained.

AUXILIARY SURVEYING METHODS USED:

The location of the flagpole at Arcadia Plantation was obtained as follows: A traverse with theodolite and tape was run from triangulation station ARCADIA to the flagpole, its location was plotted from the traverse, and one plane table cut was obtained which checked the traverse location. Off-lying features were determined by cuts, and rod readings, where obtainable.

FORM LINES:

No form lines.

REVISION WORK:

No revision work.

INCOMPLETE WORK:

No incomplete work, except at bridge over Waccamaw River, which is shown on the sheet to the south.

METHODS OF SURVEYING:

Standard methods of surveying were used on this sheet, but an innovation was introduced in the form of a twelve foot tripod. This was necessary in order to raise the lines of sight above the marsh grass

and brush. A triangular scaffold was build at these set-ups to elevate the Topographer.

JUNCTION WITH ADJACENT WORK:

No failure to join properly with adjacent work.

NEW NAMES:

No new names.

PLANE TABLE POSITIONS:

Recoverable topographic stations submitted on Form 524.

PHOTOGRAPHS:

No photographs.

CHANGES OF SHORE LINE:

No changes of shore line noted. At the time of this survey a bridge was under construction across the Pee Dee and Waccamaw Rivers at Georgetown, S. C.

CHARACTER OF MARSHES:

The marshes on this sheet are covered with grass about eight feet in height. The high water line shown is in most cases the grass line where there is a pronounced vertical bank. Usually high water floods from five to twenty meters back of this line.

Albert M. Weber

albert M. Weber

Surveyor

Pot le Sammon .

METHOD OF SETUP AND SIGNAL LOCATION - TOPOGRAPHIC SHEET "H"

P Dee Wacca, Mind- Wacca, Mind- Wacca, Mind- Wacca, Mind- Wacca, Mind- Wacca, Mind- Dee Wacca, Mind- Dee Wacca, Mind- Wacca, Mind- Dee Wacca, Mind- Wacca, Mind- Dee Wacca, Mind-	or Signal	Orientation on	Resection on	Distance from	Cuts from	Remarks
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Fay Riv Wacca Landing Wacca, U. Wacca, V. Wacca, V. Wacca, V. Wacca, V. Wacca, V. U. Co., V. W. Wacca, U. Co., V. W. U. Co., V. W. U. Co., V. W. U. Co., V. W. W. Co., V. W. Wacca, U. Co., V. W. Mideor, Snake Arcadia Co. W. M. Mideor, Snake Arcadia W. V. W. Co. W. M. Mideor, Co., W. M. Mideor, Co., W. M. Mideor, Co., W. M. Mideor, M. Mideor			wacca, mud			checked by comparison with objects located on topograsheet directly south of Shwer - end of the girders obridge over Pee Dee and the fender at Draw on Waccamaw Checked within 2 meters.
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Tank Black Near CC Fold V Arcadia and Windsor, Snake Arcadia W V, W, CC, V. Wigdsor, Snake Arcadia CC Wigdsor, Snake Arcadia W V, W, CC X, W, Y. Also CLOSE Windsor, Snake Arcadia W V, W, CC X, W, Y. X, Snake, CC, W. Snake, CC, W. Snake, CC, W. Snake, Y, Y, W. Snake, Y, Y, W. Snake Y V, Snake, Y, Y, W. Snake Y, Snake, Z. Snake Y, Snake Y, Snake Y, Snake Y, Snake, Z. Snake Y, Snake Y, Snake Y, Snake, Z. Snake Y, Snake Y, Snake, Z. Snake Y, Snake Y, Snake, Z. Snake Y, Snake, Z. Snake Y, Snake, Z. Z, Snake, Y. The odolite traverse from Arcadia CC, W, B, G.	Stake -			7		
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Jake Y Windsor, Jake Z Lone Y Cross Y Flag Y White cupols with columns Y X,Y,Snake,Z. Z,Snake,Y. Z W,Y,Snake,Z. Z,Snake,Y. White cupols with columns Y W,B,G.			100	The same of the sa		Also Wurmp
Z W,Y,Snake,Z. Cross Flag Eheodolite traverse from Arcadia CC, W,B,G.		Snake	Windsor=	A STATE OF THE PARTY OF THE PAR		
Cross / Flag / Eheodolite traverse from Arcadia CC, W,B,G.			Wild and a new Texture	The state of the s	A, I, DHEND, Z	
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METHOD OF SETUP AND SIGNAL LOCATION - TOPOGRAPHIC SHEET "E"

Setup Dr Signal	Orientation	Resection	Distance from	Cuts from	Remarks
A _	Snake	Snake and	Windsor	150	
	Control of the last of the las	Windsor-90-	Wandana		
В	Snake	Snake and	Windsor		
A COUNTY OF THE PARTY OF THE PA		Windsor-00-	В	B and Snake	
Boat -	Windsor			D SIM DILAMS	C is Snake
DMAC	B	Snake	В		
Mac		DIGAG	D	B and D	
E	D	Snake	D		-This setup given an additions
					check by closing on OAK.
Nix -			E	E	
Oak ~			B	E,M,L,K	
Lag				B,D,Snake	
Kalev			F	A,F	
Jam v			F	A,F	
Imp v				F, A, AA,	
P	A	Snake-Tank			
AA	Windsor	Dee, G			
Hay			F, AA	F, AA.	
G-Gange	Arcadia	Windsor-Dee	**********		"G" is GANG. Traverse from
					Windsor to three point fix at
					"G", out 3 meters at "G".
Gum +			G	G, J, AA,H.	
Farm -				E,AA,H,G,J.	
J	G	Windsor-Dee			
Ban ~		100 - 0	4. A. S. S.	J, B, E, Sna	
K	J	Windsor-Dee		B,K,H,E,G,J	
Club			2021	J. L.K.	
Emo V Daze V				Snakes, J. G. &	T.
Felt				Snake, L.K.	
L WOLF	K	Windsor-Sna	re	0.2.20,2,20	
Girl	-	112111111111111111111111111111111111111	L	E, L, K.	
Glee >				Snake .K.E.	
M	L	Windsor-Sna	ke		
Half			M	L, M.	
Is v			M	Snake, M.	
H	G	Dee-Boas	Dee		
Dal			H	G, N, H.	
Ear v			H, N.	H, P, N.	
Cake -			H, N.	G, N, H, P	
N	H	Dee-Tank			
Bear				N, BB.	
Back v			P	P	
P	N	Wacca, Boat,			
		Dee			11-1
BB-Kissv	P	Wacca, Dee			Also - KISS
Add V			P	P, N. BB.	
	No. of the last of				
			A West of the State of the Stat		

DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY

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			-
	REGISTE	R NO.	6327	b
StateWo	South Car		& Black	Rivers
General locality With the Vicinity of Locality				
Locality	Wadcamur.	iltoy		
Scale 1/10.000	Date of su	ırvey	December	, 19 3
Vessel	Shore Par	ty No. 2		
Chief of party	Lt. Jack	C. Sammon	.	
Surveyed by	Henry J.	Bozzo	ν 	••••
Inked by	Henry J.	Boszo	·	
Heights in feet abov	Θ	to grou	ind to to	ps of trees
Contour, Approximate	contour, F	orm line	interval	feet
Instructions dated		0	ctober 25	19
Remarks:		· · · · · · · · · · · · · · · · · · ·	·	at**
A				

OUTLINE

- 1. INSTRUCTIONS
- 2. PURPOSE OF SURVEY
 - (a) Hydrographic control
 - (b) Location of Aids to Navigation
 - (c) Location of Topographical Detail for usein Air Photo compilation
- 3. Limits of Shert
- 4. DESCRIPTION OF TERRITORY
- 5. CONTROL
- 6. SURVEYING METHODS USED
- 7. AIDS TO NAVIGATION
- TOPOGRAPHIC FEATURES LOCATED FOR USE IN
 AIR PHOTO COMPILATION

1. INSTRUCTIONS

The survey was carried out according to instructions dated October 25, 1934.

2. PURPOSE OF SURVEY

The purpose of the survey was:

- (a) To furnish control for the hydrographic developments of the Waccamaw River, part of the Intracoastal Waterway.
- (b) To locate all aids to navigation.
- (c) 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 Lat. 33°- 25.2, Long. 79° - 12.8 and extended northeastward to Lat. 53° - 28.2, Long. 79° - 09.6

4. DESCRIPTION OF TERRITORY

The terrain in general is low, marshy ground, heavely wooded in some sections. The Waccamaw River, in this locality, is approximately four hundred meters wide and bordered generally by marsh grass. The grass-line is "navigable H. W." and water floods back at varying distances to dikes of abandoned rice floods, trees or higher ground. The river is lined with Cypress and other varieties of trees. The swamp land and dikes are covered with brush.

5. CONTROL

The following triangulation stations were used for control:

```
BUTLER 1938
HOLLIDAY 1935
WEYMOUTH 1934
FULTON 1934
DOCK 1938
POLE 1936
CARRY 1935 ------Not used
G 107 - ( State traverse station) ---- " "
G 108 - ( " " " ) ---- " "
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6. SURVEYING METHODS USED

Standard methods were used. Set-ups were made on all advantageous triangulation stations, intermediate set-ups were located by resecting on triangulation stations. Hydrographic signals were located by three cuts, making strong angles of intersection, and, where not practicable, by two cuts and a stadia reading. The wooded banks of the river made ground set-ups impractical hence special 12 foot legs were made with the standard tripod head. Set-ups were made in the marsh and in water up to a depth of four feet by 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 No. 4 and No. 4. "Methods of "ocation", show in detail how the position of each set-up and hydrographic signal was obtained.

7. ALBE TO NAVIGATION

The position of two lighted beacons fell on this sheet, they are the usual type built on three wooden piles. Black beacon No. 21 off the N. R. end of Butler Island, and Red beacon No. 4 on the S. E. side of the Waccamaw River just south of Butler Island.

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

Shore line was taken around set-ups where feasible to check the air - photo compilation. In all cases the navigable H. W. line was taken and a reference was made where the water flooded back in the earsh grass to higher ground, dikes or trees. This shore line checked to an accuracy of three meters after several changes were made on the compilation due to overhanging trees.

. Respectfully submitted.

Henry J Bozzo

Forwarded through,

Lt. Jack C. Sammons, Chief of Party.

Station or Set-up	Orienting on Station	Distance from Station	Cuts	from	Station	Resec	tion on	Stations
Set 1	Fulton	Butler			•			
Set-up 2	No. 1		No. 1	*		Butler	Fulton	
Ann		No. 2	No. 2	No. 1	Pulton		•	
Dot	•		No. 1	No. 2	No.3-4			
Abe			No. 1	No. 2	No. 4			
Four		No. 4	No. 4	Fulton	No. 2			
Set-up 3						Butler	Fulton	Holliday
Set-up 4	No. 3		No. 3	No. 2		Butler	Holliday	Fulton
Al			No. 1	No. 3	No. 4			
Bab			No. 1	No. 3	No. 4		•	
Fan	(Signal er	rected over	Set-up N	o. [3]				
Bve			No. 1	No. 2	No.3-4			
jew		•	Fulton	No. 2	No.3-6			
Cam			Pulton	, No. 3	No.5-6			
Se t-up	No. 3	•	No. 3			Fulton	Weymouth	•
Kate		'	No. 1	No. 3	No. 5			
Kit			No. 1	No. 3	No.5-6			
Fulton	Butler				•			
Bet-up 6	No. 5	·	No. 5	الأد	•	Fulton	Butler	•
Lee		No. 6	No. 6	No. 🚜	Nol 5			
li ag	_	No. 7	No. 7	No. 6		Th		
Set-up 7	No. 6		No. 6			Pole	Butler	Dock
May		•	No •5-7	No. 8	Fulton			
Set-up 8	No. 7		No. 7			Pole	Dock	Butler
Nat	(Sigmal e	rected over	_					
Peg		_	No. 7	No. 8	No. 10		•	
Dock	Fulton	,						
3et-up 10	Do ck		Dock	No. 8			,	
Sal			Dock	No. 8	No. 10			
Art		**-	No. 8	No. 10	Fulton			
Bag		No. 10	Dock	No. 10	No. 11			
Bes			Dock	No. 10	No.11-8			
Bill			Dock	No. 10	No. 11			
Bob			Dook	No. 10	No.11-12		-	
Cab			Dock	No. 11	No. 13			
Set-up 11	Dock		Dock	No. 10		Polo	No. 10	
Set 12	No. 11		No. 11	W		Dock	Pole	
Set up 13	No. 12		No. 12	No. 11		No. 11	_	
Pal	(Signal e	rected over			37 3.0		•	
Gal			No. 11	No. 12	No.13			
Tide gage			No. 11	No. 8				

REVIEW OF GRAPHIC CONTROL SURVEY T- 6327 , SCALE

Date of Review

- This survey has been reviewed in connection with Air Photo Compilation Nos. T-52,56 5,253, 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.
 - (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above.
- Refer to the reviews and descriptive reports of air photo compilations Nos. T-5256 5253, 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 hickory. aug. 1935.

Form 567 Rev. March 1935

DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

September \$ 193

Lt. D.

STRIKE OUT ONE TO BE CHARTED *id* to may recommend that the following commendations (second second second second that the following commendations (second second sec angles furnished by Lieut. Beaton positions plotted from charted on (the transfers) the charts indicated.

The positions given have been checked after listing. B. H. Rigg (letter of Aug. 24, 1936)

Chief of Party. CHARTS AFFECTED 936 E OFFSHORE CHART INCHOSE CHYSE нуввой силкт DATE OF LOCATION AUK . 29-21,1938 8 . . 8 METHOD OF LOCATION Spetted Sextant Sextern p . 0 . DATUM H.A. 1924 19861 . . . (3023.0) (781.0) 798.0 (366.0) 1196.0 D. P. METERS (1461.0) (319.0) 1084.0 (0.900) Apg. 24. 488.0 (473.0) (80°0) 1470°0 (627.0) (09790) 526.0 1339.0 077.0 0.09 89.0 LONGITUDE POSITION 2 8 2 8 **20** 62 79 09 11 01 70 12 70 18 from latters of ٥ 8 6 2 œ, (3104.0) (205.0) (205.0) (335.0) (1188.0) (1468-0) (1608.0) D. M. METERS (14.72.0) 1117.0 1848.0 (10.0) 677.0 (0.118) 0.00 \$76.0 8 0.000 LATITUDE N 8 2 à **8** 200 8 83 8 83 26 N 0 3 3 3 3 8 13 3 3 Protracted and sealed by G. II. ő eingle pile structure En. 02, single pile etructure In. 96, single pile structure C. Molacsen NAME AND DESCRIPTION GENERAL MAGGEMEN RAVER, S. Ŗ. 3-pile etructure 8-pile etruoture En. 94. S-pile structure On. 01, 3-pille etructure 89. (to be 11ghted) te. 99. 3-pile delphin (to be lighted) ő -Cheeked by 3 Sa. 67, 5 8 8:8 å

The data should be Information under each column heading should be given. "LANDMARKS FOR CHARTS." This form shall be prepared in accordance with 1934 Field Memorandum, considered for the charts of the area and not by individual field survey sheets.

U. S. COVERHEENT PRINTING OFFICE

Form 567 Rev. March 1935

DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

TO BE CHARTED STRIKE OUT ONE

I recommend that the following deposite the fire the following deposite the following deposite the following deposite the fire that the following deposite the fire for the following for the fire for the following for the following deposite for the follo The positions given have been checked after listing.

Bosom positions plotted from angles furnished by Lt. B. H. Rigg (letter of Aug. 25, 1935.) Lt. B. H. Rigg Chief of Party.

1936

Sagres 2

CHARTS AFFECTED 636 836 428 886, 489, 886 **G** OLEZHOBE CHVBI INZHOBE CHYBL HARBORCHART Aug. 10-DATE OF LOCATION Aug. 20-. # METHOD OF LOCATION Sextant ø 8 DATUM H.A. 1927 . # (1065-0) 687-0 (925-0) (1817.0) D. P. METERS (828.0) (0.981) (0.189) 1118.0 0.820 1462.0 (64.0) 337.0 232.0 Plotted and scaled by G. H. Prevetty checked by G. C. Rodlesson. LONGITUDE POSITION 79 15 70 08 2 2 79 18 **20 08** 90 09 0 (1768.0) (1014.0) D. M. METERS (1278.0) (861.0) (677.0) (248.0) 1177.0 0.0001 170.0 LATITUDE 8 53 21 83 68 33 28 25 28 2 នឹ ٥ 2 3 En. 100, single pile etructure ö Be. 79, single pile structure From letter of Aug. 24, 1936. ø . NAME AND DESCRIPTION , # En. 104. S pile etruoture pile structure RECORMEN RAVER. En. 66. 8 pile delphia (to be 14ghted) • GENERAL Ba. 93. Br. 93

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." The data should be Information under each column heading should be given. considered for the charts of the area and not by individual field survey sheets.

U. S. GOVERNMENT PRINTING OFFICE