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U. S. COAST & GEODETIC SURVEY
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SEP 18 1934

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Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic Sheet No. **A 6091a**

~~XXXXXXXXXX~~

State **South Carolina**

LOCALITY

St. Helena Island

Trenchard Inlet

1934

CHIEF OF PARTY

R.P. Eymen

U. S. GOVERNMENT PRINTING OFFICE: 1934

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

SEP 18 1934

TOPOGRAPHIC TITLE SHEET

Det. No. _____

REG. NO. 60912

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. A

REGISTER NO. 60912

State South Carolina

General locality St. Helena Island

Locality Trenchard Inlet

Scale 1: 10,000 Date of survey March, 19 34

Vessel M.V. Natoma

Chief of party Raymond P. Eyma

Surveyed by John C. Bull

Inked by J. H. Tiller, Jr.

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated November 2, _____, 19 33

Remarks: _____

D E S C R I P T I V E R E P O R T
T O A C C O M P A N Y
T O P O G R A P H I C S H E E T N O. "A"
S T O R Y R I V E R, S O U T H C A R O L I N A
1 9 3 4

INSTRUCTIONS:

Instructions for Project HT-159, November 2, 1933 were followed throughout.

PURPOSE
OF TOPOGRAPHY:

The topography of this area was to furnish control for hydrography and aerial photography. Only small areas that could be spotted on the photographs are shown in detail.

METHOD:

The usual plane-table methods of survey were used. All topographic signals were located by cuts from triangulation stations, located intersection stations, traverse, and rod readings.

EXTENT:

This sheet comprises a survey of the east end of Station Creek, north end of Trenchards Inlet, west end of Story River, and the southwest end of Harbor River. This sheet is a survey of the area between latitude $32^{\circ} 18.7'$, $32^{\circ} 22.0'$ and longitude $80^{\circ} 31.6'$, $80^{\circ} 36.3'$.

DESCRIPTION:

The area surveyed on this sheet is comprised of marsh islands and many small creeks and rivers. Most of the area has no definite highwater line. This being the case the rivers and creeks are delineated by the edge of the marsh grass, which has grown over the mud flats that extend from the mainland to what forms the banks of the rivers and creeks. The Station Creek and Trenchard Inlet area of this sheet was done by Lieut. Rittenburg's party. There are several stations that are given letters instead of names because they were used on Lieut. Rittenburg's hydro sheets and we do not know the hydrographic name.

AERIAL
PHOTOGRAPHS:

Aerial photographs were used in connection with the topography. No attempt was made to delineate the shore line except at set-ups that could be definitely spotted on the photographs. These small areas were shown in detail to assist the compilation party in compiling the shore line for the finished charts.

CONTROL:

The control for this sheet consists of second, third, and fourth order triangulation established by this party in 1933 under Project HT--126, December 23, 1932.

NAMES:

No new names appear on this sheet.

MAGNETIC DECLINATION:

Magnetic meridians were determined at triangulation stations CREEK 1933, and SIN 1933.

ALUMINUM BACKED SHEETS:

An aluminum backed sheet was used and found to be very satisfactory in every respect.

LANDMARKS:

No landmarks of sufficient prominence for charting appear on this sheet.

STATISTICS:

Area in square statute miles - - - - - 13.5

Respectfully submitted,

John C. Bull
John C. Bull,
Aid.

Approved and forwarded;

Jack C. Sammons
Jack C. Sammons,
Chief of Party,
Commanding Ship NATOMA.

TOPOGRAPHIC SIGNALS- SHEET "A"

Page 1 of 3.

	Latitude ° ' meters			Longitude ° ' meters		
A	32	19	1513 (335)	80	31	(671)
ACE	32	19	266 (1582)	80	34	992 (577)
AT	32	20	1170 (678)	80	33	1234 (335)
B	32	19	1786 (62)	80	31	(809)
BAN	32	19	1402 (446)	80	32	584 (985)
BEL	32	19	955 (893)	80	35	1185 (384)
BID	32	19	352 (1498)	80	33	1382 (207)
BOL	32	20	447 (1401)	80	33	1546 (23)
BRIG	32	21	1105 (---)	80	34	192 (1377)
CAT	32	19	1774 (74)	80	33	1231 (338)
COX	32	19	1108 (740)	80	34	1254 (315)
DALE	32	19	275 (1573)	80	35	878 (691)
DAN	32	20	310 (1538)	80	33	958 (611)
DYE	32	19	933 (915)	80	33	363 (1206)
EAT	32	21	452 (---)	80	34	140 (1429)
EGG	32	19	152 (1696)	80	32	1064 (505)
END	32	20	292 (1558)	80	33	404 (1165)
EX	32	19	419 (1429)	80	33	713 (856)
FAT	32	19	676 (1172)	80	33	1566 (3)
FUN	32	20	372 (1476)	80	32	1169 (400)
GO	32	20	1199 (649)	80	32	1439 (130)
GOT	32	21	1580 (---)	80	31	(687)
HART	32	19	361 (1487)	80	34	303 (1266)

	Latitude			Longitude			
	o	'	meters	o	'	meters	
HEL	32	21	789 ✓ (---) ✓	80	33	905 ✓ (664) ✓	
IS	32	21	1298 ✓ (---) ✓	80	33	--- ✓ (1569) ✓	
JAB	32	21	562 ✓ (---) ✓	80	32	974 ✓ (595) ✓	
JACK	32	19	218 ✓ (1630) ✓	80	34	1386 ✓ (183) ✓	
JOHN	32	19	333 ✓ (1515) ✓	80	35	612 ✓ (957) ✓	
KIN	32	20	1404 ✓ (444) ✓	80	32	358 ✓ (1211) ✓	
KING	32	19	684 ✓ (1164) ✓	80	36	196 ✓ (---) ✓	
MAN	32	19	1651 ✓ (197) ✓	80	31	--- ✓ (393) ✓	
MAX	32	19	434 ✓ (1414) ✓	80	32	614 ✓ (955) ✓	<i>signal May at bottom of page</i>
* NER	32	18	--- ✓ (102) ✓	80	32	1186 ✓ (383) ✓	
NO	32	19	776 ✓ (1072) ✓	80	32	217 ✓ (1352) ✓	
NO	32	19	1023 ✓ (825) ✓	80	32	31 ✓ (1538) ✓	
ON	32	19	232 ✓ (1616) ✓	80	32	661 ✓ (908) ✓	
PAT	32	21	125 ✓ (---) ✓	80	31	--- ✓ (254) ✓	
PIG	32	19	469 ✓ (1379) ✓	80	34	1153 ✓ (416) ✓	
POP	32	19	169 ✓ (1679) ✓	80	35	199 ✓ (1370) ✓	
REX	32	20	1702 ✓ (146) ✓	80	33	1347 ✓ (222) ✓	
RIP	32	21	643 ✓ (---) ✓	80	33	1356 ✓ (213) ✓	
RIT	32	18	--- ✓ (215) ✓	80	33	92 ✓ (1477) ✓	
SON	32	19	401 ✓ (1447) ✓	80	35	1532 ✓ (37) ✓	
TEN	32	18	--- ✓ (471) ✓	80	33	195 ✓ (1376) ✓	
TO	32	19	399 ✓ (1449) ✓	80	32	426 ✓ (1143) ✓	
TRY	32	19	852 ✓ (996) ✓	80	32	1050 ✓ (519) ✓	
VEE	32	19	852 1438 ✓ (410) ✓	80	32	1438 1138 ✓ (431) ✓	
WON	32	19	610 ✓ (1238) ✓	80	33	1135 ✓ (434) ✓	

* May 32-19 976 80-36- 208
(872) (---)

	Latitude			Longitude		
	°	'	meters	°	'	meters
X	32	18	--- (223)	80	34	--- (1569)
Y	32	21	994 ✓ (---) ✓	80	34	107 ✓ (1462) ✓
Z	32	20	581 ✓ (1267) ✓	80	35	168 ✓ (1401) ✓

6091b

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Form 504
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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic

Sheet No. B 6091b

~~XXXXXXXXXX~~

State South Carolina

LOCALITY

St. Helena Island

Fripp Inlet

1934

CHIEF OF PARTY

R.P. Eyman

U. S. GOVERNMENT PRINTING OFFICE: 1934

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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SEP 18 1934

TOPOGRAPHIC TITLE SHEET

Att. No. _____

REG. NO. 6091b

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. B

REGISTER NO. 6091b

State South Carolina

General locality St. Helena Island

Locality Fripp Inlet

Scale 1: 10,000 Date of survey March, 1934

Vessel M.V. Natoma

Chief of party Raymond P. Eyma

Surveyed by John C. Bull

Inked by J.H. Tiller, Jr.

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated November 2, 19, 1933

Remarks: _____

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET NO. B

FRIPP'S INLET, SOUTH CAROLINA

* * * * *

INSTRUCTIONS:

Instructions for Project H.T. 159, November 2, 1933, were followed throughout.

PURPOSE OF TOPOGRAPHY:

The Topography of this area was to furnish control for hydrography and Aerial Photographs. Only small areas around points that could be spotted are shown in detail.

METHOD:

The usual plane-table methods of survey were used. All topographic signals were located by cuts from triangulation stations, located intersection stations, traverse and rod readings.

EXTENT:

This sheet comprises a survey of the central sections of Harbor River, Story River and the North end of Fripp's Inlet. The sheet is a survey of the area between Latitudes 32-22.2 Longitude 80 - 27.5; Latitude 32 - 19.5 Longitude 80 - 31.3; Latitude 32 - 22.0 longitude 80 - 33.6; latitude 32 - 24.6 Longitude 80 - 29.8 .

DESCRIPTION:

The area surveyed on this sheet is comprised of marsh islands and many small creeks and rivers. The South-west portion of Harbor River covers the central section. This area is completely covered at high tide forming a large bay. At low water this entire area is practically dry. Only small streams between the oyster beds and mud flats remain. Most of the area has no definite high water line. This being the case the rivers and creeks are delineated by the edge of the marsh^{grass} that has grown over the mud flats.

AERIAL PHOTOGRAPHS:

Aerial Photographs were used in connection with the topography. No attempt was made to delineate the shore line except at setups that could be definitely spotted on the photographs. These small areas were shown in detail to assist the compilation party in compiling the shore line for the finished charts.

CONTROL:

The control for this sheet consist of second, third and fourth order triangulation established by this party in 1933 under Project H.T. 126, December 23, 1932.

NAMES:

No new names appear on this sheet.

MAGNETIC DECLINATION:

Magnetic meridians were determined at triangulation stations, Cherry Hill Knoll 1856, Chan 1933, Mid 1933.

ALUMINUM BACKED SHEETS:

An aluminum backed sheet was used and found to be very satisfactory in every respect.

LANDMARKS:

Landmarks of sufficient prominence for charting appear on form 567 that accompanies this report.

STATISTICS:

Area in square statute miles.....12.0

Respectfully submitted,

John C. Bull
J.C. Bull,
Aid.

Approved and forwarded:

Jack C. Sammons
Jack C. Sammons

Chief of Party
Commanding M.V. NATOMA.

TOPOGRAPHIC SIGNALS - SHEET "B"

Page 1.

	Latitude			Longitude			
	°	'	meters	°	'	meters	
AL	32	23	1167 ✓ (681) ✓	80	29	1014 ✓ (554) ✓	
AN	32	20	351 ✓ (1497) ✓	80	31	546 ✓ (---) ✓	
BAT	32	21	--- ✓ (1432) ✓	80	28	--- ✓ (9) ✓	
BUM	32	20	1074 ✓ (774) ✓	80	31	(656) ✓ (913) ✓	
CAN	32	21	--- ✓ (1482) ✓	80	28	--- ✓ (232) ✓	
CAR	32	20	1301 ✓ (547) ✓	80	31	101 ✓ (1468) ✓	
DOT	32	21	817 ✓ (1034) ✓	80	29	222 ✓ (1347) ✓	
FAT	32	23	442 ✓ (1406) ✓	80	30	1110 ✓ (458) ✓	
FLOP	32	21	102 ✓ (1746) ✓	80	31	--- 0 ✓ (1569) ✓	
GOT	32	21	1580 ✓ (268) ✓	80	31	882 ✓ (687) ✓	
HOG	32	21	1253 ✓ (595) ✓	80	29	1007 ✓ (562) ✓	
ILL	32	21	1393 ✓ (455) ✓	80	30	105 ✓ (1464) ✓	
IS	32	21	--- ✓ (546) ✓	80	32	1565 ✓ (3) ✓	
JIL	32	22	484 ✓ (1364) ✓	80	31	1482 ✓ (86) ✓	
KIT	32	21	1820 ✓ (28) ✓	80	29	1297 ✓ (272) ✓	
LAS	32	20	--- ✓ (8) ✓	80	29	--- ✓ (165) ✓	
LO	32	20	--- ✓ (1112) ✓	80	31	1311 ✓ (258) ✓	
MAL	32	22	280 ✓ (1568) ✓	80	29	663.3 ✓ (906) ✓	
OH	32	22	924 ✓ (924) ✓	80	29	692 ✓ (876) ✓	
PAR	32	22	1006 ✓ (842) ✓	80	29	944 ✓ (624) ✓	
PAT	32	21	125 ✓ (1723) ✓	80	31	1310 ✓ (258) ✓	
POP	32	19	--- ✓ (536) ✓	80	31	719 ✓ (---) ✓	

TOPOGRAPHIC SIGNALS - SHEET "B"

Page 2.

	Latitude			Longitude		
	°	'	meters	°	'	meters
RAM	32	22	6 (1842) ✓	80	30	617 (951) ✓
RIT	32	19	--- (534) ✓	80	31	330 (---) ✓
SO	32	20	13 (1835) ✓	80	30	--- (103) ✓
TOM	32	20	344 (1504) ✓	80	30	--- (213) ✓
URN	32	22	1001 (---)	80	30	215 (1353)
WAT	32	20	614 (1234) ✓	80	30	--- (14) ✓