

6092a

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

SEP 18 1934

Acc. No. _____

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

DESCRIPTIVE REPORT

Topographic

~~XXXXXXXXXX~~

Sheet No. **c 6092a**

State South Carolina

LOCALITY

St. Helena Island

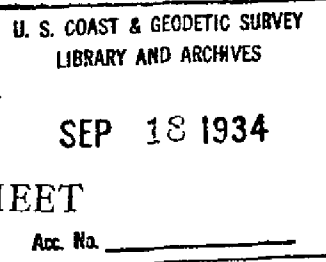
Fripp Inlet

1934

CHIEF OF PARTY

R. P. Eymen

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY



REG. NO. 60922a

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. C

REGISTER NO. 60922

State South Carolina

General locality St. Helena Island

Locality Fripp's Inlet

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

Vessel M. V. Natoma

Chief of party Raymond P. Eymann

Surveyed by J. H. Tiller Jr.

Inked by R. Pinckney

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated November 2, _____, 1933

Remarks: _____

DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET NO. "C"
FRIPP'S INLET, SOUTH CAROLINA
1934

INSTRUCTIONS:

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

PURPOSE OF TOPOGRAPHY:

The topography of this area was to furnish the control for hydrography and aerial photographs. Only small areas around points that could be spotted on the photographs were shown in detail, except on Hunting Island beach a traverse was run on the beach to show the high water line.

METHODS:

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

EXTENT:

This sheet comprises a survey of Fripp's Inlet, the southern part of Hunting Island, Old House Creek, and a small portion of Harbor River. This sheet comprises a survey of the area between latitudes $32^{\circ} 19.2'$ and $32^{\circ} 22.4'$; longitudes $80^{\circ} 25.7'$ and $80^{\circ} 30.8'$.

DESCRIPTION:

With the exception of the lower half of Hunting Island this area is marsh. Spring tides cover most of the area and causes it to appear as an open bay. The high water mark is not distinct except on Hunting Island. This is shown by the tree line. At low water the marsh grass delineates the shore line of the small creeks and rivers. On the beach side of Hunting Island the high water line is delineated by the sand dunes on the south end and the tree line on the north end. This beach shows signs of a very rapid rate of beach erosion. A traverse was run from Fripp's Inlet to the north end of the sheet and continued on sheet "D". This traverse was run to show the high water line. The error of closure was six meters in orientation. This error was adjusted according to Special Publication No. 144.

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

NAMES:

Old House Creek does not appear on the chart. This creek is south of Story River and empties into Fripp's Inlet. Old House Creek is on the Fripp's Island side of Fripp's Inlet and forms the north boundry of Fripp's Island.

MAGNETIC DECLINATION:

Magnetic meridians were determined at triangulation stations CHAN 1933, WEE 1933, and FRY 1933.

ALUMINUM BACKED SHEETS:

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

LANDMARKS:

There were no landmarks of sufficient prominence for charting.

STATISTICS:

Area in square statute miles	- - - - -	11.0
Traverse in statute miles	- - - - -	2.7
Shore line statute miles	- - - - -	3.0

Approved and forwarded;

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

Respectfully submitted,

James H. Tiller, Jr.
James H. Tiller, Jr.
Observer.

	Latitude ° ' meters			Longitude ° ' meters		
A	32	20	807 (1041)✓	80	26	1490 (89)✓
AA	32	19	---	80	30	140✓
OX			(453)✓			(---)✓
B	32	20	890✓	80	26	1423✓
COP			(858)✓			(146)✓
BAT	32	21	416✓ (1432)✓	80	28	1563✓ (6)✓
BEAT	32	21	1373✓ (475)✓	80	28	1013✓ (556)✓
BIN	32	20	1697✓ (151)✓	80	28	1521✓ (48)✓
C	32	20	1730 (118)✓	80	26	1088 (461)✓
CAN	32	21	427✓ (1421)✓	80	28	1338✓ (231)✓
D	32	21	804 (1044)✓	80	26	701 (868)✓
DOT	32	21	817✓ (1031)✓	80	29	223✓ (1346)✓
E	32	21	1741 (107)✓	80	26	347 (1222)✓
EYE	32	20	953✓ (895)✓	80	30	981✓ (---)✓
F	32	21	1848 (6)✓	80	26	340 (1229)✓
FOR	32	20	629✓ (1219)✓	80	30	929✓ (---)✓
G	32	22	456 (---)✓	80	26	154 (1415)✓
GUN	32	20	868✓ (980)✓	80	30	615✓ (---)✓
H	32	22	734 (---)✓	80	26	41 (1528)✓
HO	32	20	1054✓ (794)✓	80	30	706✓ (---)✓
HOG	32	21	1252✓ (596)✓	80	29	1009✓ (560)✓
INT I	32	20	400✓ (1448)✓	80	27	202✓ (1367)✓
ILL	32	21	1394✓ (454)✓	80	30	105✓ (---)✓
IT	32	20	1306✓ (542)✓	80	30	204✓ (---)✓
J FAN	32	20	74✓ (1774)✓	80	27	1090✓ (479)✓

OK. J.M.
9/2/24

TOPOGRAPHIC SIGNALS - SHEET "C"

Page 2.

	Latitude			Longitude		
	°	'	meters	°	'	meters
JIM	32	21	835 ✓ (1013) ✓	80	28	93 ✓ (1476) ✓
JOE	32	20	1396 ✓ (452) ✓	80	29	1162 ✓ (407) ✓
K LOT	32	21	1774 ✓ (74) ✓	80	27	282 ✓ (1287) ✓
KIT	32	21	1820 ✓ (28) ✓	80	29	1297 ✓ (272) ✓
LAS	32	20	1844 ✓ (4) ✓	80	29	1406 ✓ (163) ✓
L WAS	32	22	39 ✓ (---) ✓	80	27	687 ✓ (882) ✓
M TEA	32	22	206 ✓ (---) ✓	80	27	1548 ✓ (21) ✓
MAL	32	22	276 ✓ (---) ✓	80	29	663 ✓ (906) ✓
MAT	32	20	1202 ✓ (646) ✓	80	29	965 ✓ (604) ✓
N FEZ	32	22	333 ✓ (---) ✓	80	27	815 ✓ (754) ✓
NIX	32	20	1292 ✓ (556) ✓	80	29	225 ✓ (1344) ✓
PAL	32	20	1720 ✓ (128) ✓	80	28	1200 ✓ (369) ✓
P GET	32	20	393 ✓ (1455) ✓	80	28	727 ✓ (842) ✓
R FI	32	19	--- ✓ (45) ✓	80	28	1488 ✓ (81) ✓
RAM	32	22	4 ✓ (---) ✓	80	30	623 ✓ (---) ✓
RUN	32	20	741 ✓ (1107) ✓	80	28	585 ✓ (984) ✓
S PAR	32	20	505 ✓ (1343) ✓	80	28	1325 ✓ (244) ✓
SAL	32	21	646 ✓ (1202) ✓	80	28	502 ✓ (1067) ✓
SAT	32	20	852 ✓ (996) ✓	80	27	981 ✓ (588) ✓
SAW	32	22	649 ✓ (---) ✓	80	27	1005 ✓ (564) ✓
T KIP	32	19	--- ✓ (1316) ✓	80	29	781 ✓ (788) ✓
TAM	32	21	601 ✓ (1247) ✓	80	27	1261 ✓ (308) ✓
TIT	32	21	323 ✓ (1525) ✓	80	28	703 ✓ (866) ✓

TOPOGRAPHIC SIGNALS- SHEET "C"

Page 3.

	Latitude			Longitude		
	°	'	meters	°	'	meters
TOP	32	20	453 ✓ (1395) ✓	80	27	1410 ✓ (159) ✓
U	32	19	--- ✓	80	29	1257 ✓
ME			(1023) ✓			(312) ✓
V	32	19	--- ✓	80	29	1497 ✓
POT			(959) ✓			(72) ✓
W	32	19	--- ✓	80	29	413 ✓
TAR			(938) ✓			(1156) ✓
X	32	19	--- ✓	80	29	56 ✓
LOG			(858) ✓			(1513) ✓
Y	32	19	--- ✓	80	29	104 ✓
JAN			(221) ✓			(1465) ✓
Z	32	19	--- ✓	80	30	466 ✓
KAP			(1049) ✓			(---) ✓

DU OUT	32 - 20	453 1458 (1390)	80 - 27	377 377 (1192)
COP COP	32 - 20	1094 (754)	80 - 26	1387 (182)

6092b

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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. **D 6092b**
~~XXXXXX~~

State South Carolina

LOCALITY

St. Helena Island

Harbor River

1934

CHIEF OF PARTY

R. P. Eymann

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

Acc. No.

REG. NO. 6092b

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. D

REGISTER NO. 6092b

State South Carolina

General locality St. Helena Island

Locality Harbor River ✓

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

Vessel M.V. Natoma

Chief of party Raymond P. Eyma

Surveyed by J. H. Tiller Jr.

Inked by R. Pinckney

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated November 2, 1934

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. " D "
H A R B O R 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 the hydrography and aerial photographs. Only small areas around points that could be easily spotted on the photographs are shown in detail, except along beaches. Traverses were run on the beaches to show high water line.

METHOD:

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

EXTENT:

This sheet comprises a survey of the northern end of Hunting Island, Cedar Reef, Harbor Island Harbor River, and Johnson Creek, with many small creeks. This sheet comprises a survey of the area between latitudes $32^{\circ} 22.2'$ and $32^{\circ} 26.5'$, longitudes $80^{\circ} 25.1'$ and $80^{\circ} 28.9'$

DESCRIPTION:

The area surveyed on this sheet is comprised mainly of marsh lands. Hunting Island is rather heavily timbered, but this forms only a small portion of the surveyed area. The highwater mark is rather indistinct in this area. On high tides the marsh is mostly covered

with only the short tips of the grass showing. This grass delineates the river and creeks.

Two traverses were run on this sheet to locate the shore line on the outside beach. The first was run from Harbor River to Johnson Creek and the second from Johnson Creek to Hunting Island lighthouse. The error of closure of the first traverse was three meters in orientation, the second error of closure was six meters in orientation. These errors were properly adjusted according to Special Publication No. 144. A traverse started on sheet "C" was completed on sheet "D". The error of closure of this traverse was six meters in orientation. This also was adjusted according to Special Publication No. 144.

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 finished charts.

CONTROL:

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

MAGNETIC
DECLINATION:

Magnetic meridians were determined at triangulation stations EGG 1933, BUTCHERS 1837, MID 1933.

ALUMINUM
BACKED SHEETS:

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

LANDMARKS:

Prominent landmarks are found on Form 567 accompanying this report.

NAMES:

There are no new names on this sheet.

STATISTICS:

Area in square statute miles - - - - -	12.0
Miles traversed - - - - -	3.2
Miles of shore line - - - - -	3.0

Respectfully submitted,

James H. Tiller Jr.
James H. Tiller, Jr.
Observer.

Approved and forwarded;

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

TOPOGRAPHIC SIGNALS - SHEET "D"

Page 1.

	Latitude			Longitude		
	°	'	meters	°	'	meters
B	32	22		80	27	939 ✓
WIL			(487) ✓			(629) ✓
BELL	32	22		80	26	1243 ✓
			(8) ✓			(326) ✓
BET	32	23	623 ✓	80	27	1136 ✓
			(1225) ✓			(432) ✓
BOY	32	24	1248 ✓	80	28	920 ✓
			(600) ✓			(---) ✓
CANT	32	24	478 ✓	80	27	1528 ✓
			(1370) ✓			(40) ✓
DUCK	32	23	595 ✓	80	28	165 ✓
			(1253) ✓			(---) ✓
F	32	22		80	26	153 ✓
			(1394) ✓			(1415) ✓
FF	32	24	1526 ✓	80	28	454 ✓
			(322) ✓			(---) ✓
G	32	22		80	26	43 ✓
			(1118) ✓			(1525) ✓
GIRL	32	24	392 ✓	80	28	546 ✓
			(1456) ✓			(---) ✓
H	32	22		80	26	73 ✓
			(1086) ✓			(1495) ✓
HH	32	24	1412 ✓	80	27	1164 ✓
FISH			(436) ✓			(404) ✓
HAM	32	24	134 ✓	80	27	870 ✓
			(1714) ✓			(698) ✓
HAT	32	23	588 ✓	80	28	789 ✓
			(1260) ✓			(---) ✓
HEN	32	23	1094 ✓	80	28	1234 ✓
			(754) ✓			(---) ✓
I	32	22		80	25	18 ✓
			(966) ✓			(---) ✓
II	32	24	1224 ✓	80	27	942 ✓
			(624) ✓			(626) ✓
J	32	22		80	25	
			(875) ✓			(61) ✓
K	32	22		80	25	
			(405) ✓			(214) ✓
KK	32	24	1008 ✓	80	27	616 ✓
DOG			(840) ✓			(952) ✓
L	32	23	77 ✓	80	25	
			(1771) ✓			(348) ✓
LL	32	24	1754 ✓	80	26	848 ✓
BOX			(94) ✓			(720) ✓
M	32	23	852 ✓	80	25	
			(996) ✓			(547) ✓
PIL	32	24	1287 ✓	80	26	702 ✓
			(561) ✓			(866) ✓

TOPOGRAPHIC SIGNALS - SHEET "D"

Page 2.

	Latitude			Longitude		
	°	'	meters	°	'	meters
N	32	23	1159 ✓	80	25	
ICE			(689) ✓			(519) ✓
NN	32	24	1376 ✓	80	26	323 ✓
			(472) ✓			(1245) ✓
NAIL	32	22		80	26	1422 ✓
			(568) ✓			(146) ✓
Ø	32	23	1049 ✓	80	25	
ILL			(799) ✓			(239) ✓
OO	32	24	1222 ✓	80	26	128 ✓
			(626) ✓			(1440) ✓
OAK	32	23	92 ✓	80	28	783 ✓
			(1756) ✓			(---) ✓
P	32	23	998 ✓	80	26	428 ✓
SAL			(850) ✓			(1140) ✓
PP	32	24	454 ✓	80	25	
			(1394) ✓			(135) ✓
Q	32	23	798 ✓	80	26	483 ✓
PIPP			(1050) ✓			(1085) ✓
QQ	32	23	1720 ✓	80	25	
			(128) ✓			(281) ✓
RR	32	23	1251 ✓	80	25	
BIRD			(597) ✓			(285) ✓
RAT	32	23	234 ✓	80	28	1274 ✓
			(1614) ✓			(---) ✓
SS	32	25	426 ✓	80	27	1522 ✓
SAP			(1422) ✓			(46) ✓
SAW	32	22		80	27	1005 ✓
			(1196) ✓			(564) ✓
SON	32	24	677 ✓	80	28	800 ✓
			(1171) ✓			(---) ✓
TT	32	25	1077 ✓	80	26	1481 ✓
BIN 1/1			(771) ✓			(87) ✓
TACK	32	22		80	27	134 ✓
			(891) ✓			(1434) ✓
TED	32	24	125 ✓	80	28	1068 ✓
			(1723) ✓			(---) ✓
U	32	23	1109 ✓	80	27	931 ✓
POT			(739) ✓			(637) ✓
UU	32	25	607 ✓	80	26	1384 ✓
BAR '3'			(1241) ✓			(184) ✓
UNO	32	23	573 ✓	80	26	877 ✓
			(1275) ✓			(691) ✓
VV	32	25	252 ✓	80	26	1234 ✓
BAT '5'			(1596) ✓			(334) ✓
W	32	26	1 ✓	80	26	1041 ✓
			(---) ✓			(527) ✓
WEB	32	23	1592 ✓	80	27	426 ✓
			(256) ✓			(1142) ✓
XX	32	26	473 ✓	80	28	521 ✓
BLOW			(---) ✓			(---) ✓ Same as BLO.

TOPOGRAPHIC SIGNALS - SHEET "D"

Page 3.

	Latitude			Longitude		
	°	'	meters	°	'	meters
YAL	32	23	289 ✓ (1559) ✓	80	26	1053 ✓ (515) ✓
ZEV	32	22	(159) ✓	80	28	1165 ✓ (403) ✓

OK 9/24/20
5/2/20