

6090

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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. **P 6090**
~~Hydrographic~~

State South Carolina

LOCALITY

St. Helena Island

Fripp Island

1934

CHIEF OF PARTY

R.P. Eymen

U. S. GOVERNMENT PRINTING OFFICE: 1934

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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TOPOGRAPHIC TITLE SHEET

Am Ed

REG. NO.

6090

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. P

REGISTER NO. 6090

State South Carolina

General locality St. Helena Island

Locality Fripp Island

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

Vessel M.V. Natoma

Chief of Party Raymond P. Eymann

Surveyed by J.H. Tiller Jr.

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, 1933

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. "P"
F R I P P ' S I S L A N D , 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, and to locate the shore line on Fripp's Island. Only small areas around points that could be spotted on the photographs are shown in detail, except on the beach side of Fripp's Island. Here a traverse was run to show the high water line.

METHOD:

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

EXTENT:

This sheet comprises a survey of Fripp's Island, Fripp's Inlet, and Skull Inlet between the latitudes $32^{\circ} 17.7'$ and $32^{\circ} 20.9'$, longitudes $80^{\circ} 26.7'$ and $80^{\circ} 31.5'$.

DESCRIPTION:

With the exception of the southern end of Fripp's Island this area is almost completely covered with pine forest. The high water line along the beach was located by traverse. In the center of the island the high water line is delineated by the tree line. On the southern end it is delineated by the sand dunes. The northern end of the beach is rapidly building up.

A traverse was run on the beach of Fripp's Island to locate the high water line. This traverse was also run to locate several topographic signals at Skull Inlet. The traverse was begun at station GUS and carried south along the beach to station SKULL. Thence run back along the beach to station GUS where it was tied in with an error of closure of eight meters in orientation. This error was properly adjusted.

AERIAL PHOTOGRAPHY:

Aerial photographs were used in connection with the topography. No attempt was made to delineate the shore line except at points 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 area consist of second third and fourth order triangulation established in 1933 by this party under project H.T. 126, December 23, 1932.

NAMES:

No new names appear on this sheet.

MAGNETIC DECLINATION:

There were no magnetic meridians taken on this sheet.

ALUMINUM BACKED SHEET:

An Aluminum backed sheet was used and found to very satisfactory.

LANDMARKS:

There are no land marks of sufficient prominence for charting on this sheet.

STATISTICS:

Area: in square miles	9.0
Shore line, Statute miles	7.0
Traverse Statute miles	6.8 3.8

Respectfully submitted,

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

Observer.

Approved and forwarded:

Jack C. Sammons
Jack C. Sammons,
Chief of party,
Commanding M.V. NATOMA.

SIGNALS ON TOPOGRAPHIC SHEET P

NAME	LATITUDE ° ' " meters			LONGITUDE ° ' " meters			REMARKS
FI	32	19	---- ✓ (45) ✓	80	28	1488 ✓ (81) ✓	✓
FIT	32	18	1800 ✓ (48) ✓	80	30	756 ✓ (814) ✓	✓
GL	32	20	393 ✓ (1455) ✓	80	28	727 ✓ (842) ✓	✓
GUS	32	19	707 ✓ (1141) ✓	80	27	106 ✓ (1464) ✓	Marked and described. ✓
JAN	32	19	---- ✓ (221) ✓	80	29	104 ✓ (1465) ✓	✓
KAP	32	19	---- ✓ (1049) ✓	80	30	466 ✓ (---) ✓	✓
KIP	32	19	---- ✓ (1316) ✓	80	29	781 ✓ (788) ✓	✓
LOG	32	19	---- ✓ (858) ✓	80	29	56 ✓ (1513) ✓	✓
ME	32	19	---- ✓ (1023) ✓	80	29	1257 ✓ (312) ✓	✓
OUT	32	20	458 ✓ (1390) ✓	80	27	377 ✓ (1192) ✓	✓
OX	32	19	---- ✓ (453) ✓	80	30	140 ✓ (---) ✓	✓
PAR	32	20	505 ✓ (1343) ✓	80	28	1325 ✓ (244) ✓	✓
PETE	32	18	138 ✓ (1710) ✓	80	30	1167 ✓ (403) ✓	Marked and described. ✓
POT	32	19	---- ✓ (959) ✓	80	29	1497 ✓ (72) ✓	✓
RAM	32	19	196 ✓ (1652) ✓	80	28	408 ✓ (1162) ✓	Marked and described. ✓
RUN	32	20	741 ✓ (1107) ✓	80	28	585 ✓ (984) ✓	✓
S	32	20	852 ✓ (996) ✓	80	27	981 ✓ (588) ✓	✓
SHOT	32	18	1192 ✓ (656) ✓	80	30	333 ✓ (1237) ✓	✓
SKULL	32	18	629 ✓ (1219) ✓	80	30	134 ✓ (1436) ✓	Marked and described. ✓
TAR	32	19	---- ✓ (938) ✓	80	29	413 ✓ (1156) ✓	✓
TOP	32	20	453 ✓ (1395) ✓	80	27	1410 ✓ (159) ✓	✓

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