

6143

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Form 504
Ed. June, 1923

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R.S. Patton, *Director*

State: GEORGIA

DESCRIPTIVE REPORT

Topographic } Sheet No. F 6143
~~Hydrographic~~

LOCALITY

Isle of Hope to Vernon View

1934

CHIEF OF PARTY

C. A. Egnor

U. S. GOVERNMENT PRINTING OFFICE: 1923

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
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TOPOGRAPHIC TITLE SHEET

NOV 30 1934

Acc. No. _____

REG. NO. 6143

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. F

REGISTER NO. 6143

State Georgia

General locality Ossabaw Sound

Locality Isle of Hope to Vernon View

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

Vessel Party No. 23

Chief of party C. A. Egner

Surveyed by H. A. Harnden, G. R. Dietz

Inked by H. A. Harnden

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated December 5, 19 33

Remarks: This sheet for topographic and hydrographic control only

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET

FIELD "F"
PARTY# 23 PROJECT: F.P.4
YEAR 1934
STATE Georgia
GENERAL LOCALITY Near Savannah.
LOCALITY Isle of Hope to Vernon View.
ADJOINS SHEETS G.J.D.
SHEET ON REVERSE SIDE (IF DOUBLE) _____

SCALE 1/10,000
DATUM North American 1927.
CHIEF OF PARTY C. A. Egner.
TOPOGRAPHER Harvey Harnden, G. R. Dietz.
DATE OF INSTRUCTIONS Dec. 4, 193³.
INKED BY Harvey Harnden

INSTRUMENTS USED: The usual planetable equipment.

METHODS: Practically all stations were located by intersection from triangulation established in the locality, supplemented in a few cases by traverse in restricted sections of Skidaway Narrows, and by cuts taken from 3-point setups. The true azimuth of the navigating ranges in Skidaway Narrows were determined by setups on the line of the range but at some distance from it. High water was rodded in at several setups.

PURPOSE OF SURVEY:

To provide control for hydrography, to establish recoverable stations for future surveys, to tie down aerial photography for charting the locality, to revise existing surveys.

MARKING OF STATIONS:

Numerous triangulation stations throughout the sheet were marked in the accepted permanent manner by standard discs in concrete posts. Several natural objects were located and are included in the "List of Landmarks". These are such as house gables, tanks, dock houses, etc. In addition, numerous stations were marked by blazes on trees, and by 4"x4" cypress posts 8' long driven in the ground with about 1' protruding. These points were selected at representative points throughout the sheet. The numerous ranges in Skidaway Narrows, while only semi-permanent, are not otherwise marked.

LANDMARKS:

Only a few worthy of the name occur on this sheet. these have been listed on the accepted form "Landmarks for Charts"

RECOVERABLE STATIONS:

See paragraph above "Marking of Stations" It is believed that there are sufficient triangulation stations on this sheet to provide for the future, taken together with the ones marked with cypress posts.

GEOGRAPHIC NAMES: The present charted names have been used as these are the accepted local names.

MAGNETIC MERIDIAN:-

Taken from setup at triangulation station DE RENNE on May 10, 1934.

METHOD OF TRANSFER OF SIGNALS TO HYDROGRAPHIC SHEET:-

Recoverable signals by d.m. and d.p.
Non-recoverable " " " tracing.

VERTICAL CONTROL:

None.

CHANGES SINCE PREVIOUS SURVEYS:

Since shoreline has not been required on this sheet, except in fragmentary pieces, it is difficult to say what changes have taken place since the last survey. The latter, however, was taken so long ago and under less accurate and complete instructions that it is apparent that many minor discrepancies will be noted when this sheet is supplemented by the photographs. It is to be noted that the triangulation discloses that the charted shoreline at the northern end of the sheet should be moved bodily a matter of some 200 meters. It is believed that this was due to lack of sufficient control in the early survey.

MISCELLANEOUS:

Much difficulty was experienced by the photo-compilation unit in deciding just where the high water line actually is. Indeed, in most cases when actually on the ground it is difficult to do this, in those "soupy" areas in the heart of Skidaway Narrows.

Respectfully submitted

H. Hadden

by C. Egan

Approved and forwarded

C. Egan

SHEET "F"

RANGES SKIDAWAY NARROWS

(Scaled along line from Rear Range to Front Range.)

RANGE #	TOPO NAME OF		TIME AZIMUTH OF RANGE
	REAR	FRONT	
1	UNO	WON	63° 34'
2	TU	UT	19° 54'
3	TRES	SEN	351° 02'
4	FOR	OF	329° 36'
5	VI	IT	15° 21'
6	SES	IX	64° 38'
7	SEV	VES	27° 07'
8	TER	EAT	13° 16'
9	NIN	RUNT	69° 08'
10	TEN	NET	92° 28'
11	LEV	VEL	339° 34'
12	DOS	SOD	320° 21'
13	TEEN	NEET	348° 08'
14	TAW	WAT	143° 42'

PLANE TABLE POSITIONS

SHEET "F"

N.A. 1927 DATUM

NAME	LATITUDE D. M. METERS	LONGITUDE D. M. METERS	MARKS TURN INTO BURN- SIDE FROM VERNON RIVER. DESCRIPTION OF OBJECT
Beacon 5	31 55 ³⁴⁶ ₍₁₅₁₀₎	81 06 ³⁴⁸ ₍₁₂₁₇₎ 1228	Triangulation
Flag	31 55 ¹⁰¹⁷ ₍₈₃₁₎	81 05 ¹⁴⁴⁵ ₍₁₃₁₎	Flagpole on Dock House Torrey's Topo. landing
Sug	31 55 ²⁷¹ ₍₁₅₇₇₎	81 04 ⁹¹⁰ ₍₆₆₇₎	North gable of barn
After	31 54 ¹⁴³⁶ ₍₄₁₂₎	81 06 ⁵⁴⁷ ₍₁₀₂₉₎	Tel. pole marked with 4"x 4" cypress alongside
Non	31 55 ⁶¹⁸ ₍₁₂₃₀₎	81 04 ⁷⁹⁷ ₍₇₈₀₎	4"x 4" cypress in marsh off point 60 meters off H. W. L.
Lam	31 55 ⁴⁶¹ ₍₁₃₈₇₎	81 04 ⁵²³ ₍₁₀₅₄₎	4"x 4" cypress foot of dead Oak tree
Jor	31 55 ⁷⁸³ ₍₁₀₆₅₎	81 04 ³⁶⁶ ₍₁₂₁₁₎	4"x 4" cypress stake 5 meters off H. W. L. Edge of wooded shore.
Ham	31 55 ¹⁰⁹³ ₍₇₅₅₎	81 04 ³³⁴ ₍₁₂₄₆₎	Large Pine tree marked with triangle, 8 meters off H. W. L.
Oyster	31 55 ¹⁰⁸⁵ ₍₇₆₃₎	81 04 ⁵⁶¹ ₍₁₀₁₆₎	State Oyster sign.
Teen	31 55 ¹¹⁷⁷ ₍₆₇₁₎	81 04 ⁶⁴⁰ ₍₉₃₆₎	Rear Range #13.
Net	31 55 ¹³²² ₍₅₂₆₎	81 04 ⁶⁷³ ₍₉₀₄₎	# 13 Front Range #12.
Wat	31 55 ¹⁸⁴¹ ₍₇₎	81 04 ⁹⁶⁴ ₍₆₁₃₎	Front Range #14.
Ga	31 56 ¹²⁶⁰ ₍₅₈₈₎	81 06 ³¹⁴ ₋₋₋	East Gable of Shed.
Taw	31 56 ⁸⁸ ₍₁₇₆₀₎	81 04 ¹⁰³⁰ ₍₅₄₇₎	Rear Range #14.
Ice	31 56 ¹⁸⁶ ₍₁₆₆₂₎	81 04 ¹²⁸⁸ ₍₂₈₉₎	4"x 4" cypress in marsh, 20 meters off H. W. L.
Da	31 56 ²⁷⁴ ₍₁₄₇₄₎	81 04 ¹⁵²⁴ ₍₅₂₎	4"x 4" cypress in marsh projecting 1'. 30 meters off H. W. L.
Vert	31 56 ⁵²⁷ ₍₁₃₂₅₎	81 05 ²⁹⁹ ₍₁₂₇₈₎	4"x 4" cypress in marsh projecting 1'. 20 meters off H. W. L.

2.
PLANE TABLE POSITIONS SHEET "F"
N. A. 1927 DATUM

NAME	LATITUDE D. M. METERS	LONGITUDE D. M. METERS	DESCRIPTION OF OBJECT
Sane	31 56 690 (1158)	81 05 583 (994)	4"x 4" cypress in marsh, 30 meters off H. W. L.
Wa	31 56 973 (875)	81 05 1282 (295)	4" x 4" cypress in marsh projecting 1'. 100 meters off point.
Ivy	31 56 550 (1298)	81 05 1297 (281)	4"x 4" cypress in marsh & edge of wooded grove.
Rene	31 56 308 (1540)	81 05 793 (784)	Oak tree marked with triangle 5 meters off H. W. L.
Bis	31 55 1782 (66)	81 05 285 (1292)	Tall Pine tree marked with triangle 14 meters off H. W. L.
Dos	31 56 168 (1680)	81 04 723 (854)	Rear Range #12
Sod	31 56 208 (1640)	81 04 756 (821)	Rear Range #12.
Lev	31 56 393 (1455)	81 04 1023 (553)	Rear Range #11.
Vel	31 56 470 (1378)	81 04 1048 (528)	Front Range #11.
Tag	31 56 506 (1342)	81 04 866 (712)	4"x 4" cypress 1' above surface.
Jil	31 56 1020 (828)	81 05 1261 (316)	Oak tree--bark marked with triangle.
Ten	31 56 1180 (668)	81 04 1253 (324)	Rear Range #10.
Net	31 56 1178 (670)	81 04 1098 (379)	Front Range #10.
Nin	31 56 1086 (762)	81 04 831 (746)	Rear Range #9.
Runt	31 56 1121 (727)	81 04 744 (833)	Front Range #9.
Log	31 56 1431 (417)	81 04 244 (1332)	4" x 4" cypress project- ing 1' above surface.
Cat	31 56 1543 (305)	81 04 58 (1519)	4"x 4" cypress project- ing 1' above surface.

3.
PLANE TABLE POSITIONS SHEET "F"
N. A. 1927 DATUM

NAME	LATITUDE D. M. METERS			LONGITUDE D. M. METERS			DESCRIPTION OF OBJECT
Bug	31	56	1489 (359)	81	03	---	4"x 4" cypress in marsh projecting 1' above surface. Old Eng'r. station.
Mo	31	56	1757 (91)	81	03	---	4" x 4" cypress in marsh 1' above surface.
Tum	31	57	21 (1827)	81	03	---	Small scrub oak--face marked with triangle.
Iron	31	57	401 (1447)	81	05	449 (1128)	East gable corrugated iron building.
Bath	31	57	1039 (809)	81	05	804 (773)	Water tank Bethesda Orphan Assylum.
Chim	31	57	1775 (73)	81	05	96 (1480)	Chimney in center of house.
Nay	31	57	98 (1750)	81	03	---	4" x 4" cypress 1' above surface.
Ab	31	57	235 (1612)	81	03	---	4"x 4" cypress in marsh
By	31	57	358 (1490)	81	03	---	Small Oak tree with bark cut off. Face marked with triangle.
Na	31	57	386 (1462)	81	03	---	4"x 4" cypress in marsh.
Kin	31	57	542 (1306)	81	03	---	4"x 4" cypress 1' above surface.
Ter	31	57	533 (1315)	81	03	---	Rear range #8.
Eat	31	57	573 (1275)	81	03	---	Front Range #8.
Sev	31	57	622 (1226)	81	03	---	Rear Range #7.
Ses	31	57	771 (1077)	81	03	---	Rear Range #6.
Ves	31	57	735 (1113)	81	03	---	Front Range #7.
Ix	31	57	876 (972)	81	03	---	Front Range #6.

4.
PLANE TABLE POSITIONS SHEET "F"
N. A. 1927 DATUM

NAME	LATITUDE D. M. METERS	LONGITUDE D. M. METERS	DESCRIPTION OF OBJECT
V1	31 57 860 (988)	81 03 935 (835)	Rear Range #5.
It	31 57 969 (879)	81 03 --- (964)	Front Range #5.
Fog	31 57 904 (944)	81 03 --- (1181)	Rear Range #4.
Of	31 57 1129 (719)	81 03 --- (1050)	Front Range #4.
Tres	31 57 1284 (568)	81 03 --- (870)	Rear Range #3.
Sen	31 57 1372 (476)	81 03 --- (856)	Front Range #3.
Tu	31 57 1454 (394)	81 03 --- (735)	Rear Range #2.
Ut	31 57 1538 (310)	81 03 --- (765)	Front Range #2.
Uno	31 57 1677 (171)	81 03 --- (629)	Rear Range #1.
Won	31 57 1758 (90)	81 03 --- (790)	Front Range #1.
Pa	31 57 1563 (285)	81 03 --- (988)	Oak tree edge of marsh and wooded grove marked with triangle.
Pek	31 57 1758 (90)	81 03 --- (1082)	Pine tree with face of bark marked with tri- angle 6' above ground.
Dig	31 58 228 ---	81 03 --- (1377)	Pine tree with hollow base, at edge of H.W.L. Marked with triangle.
Tree	31 57 1544 (304)	81 05 378 (1199)	4"x 4" cypress project- ing 1'. Edge of Palme- tto Hummock 15m H.W.L.
Ex	31 57 1096 (752)	81 03 678 (898)	2 inch cast iron pipe 2' 6" above surface.

REVIEW OF T-6143

This survey has been examined in connection with the Review of Air Photo Compilations T-5214 and T-5114. See Review of Air Photo Compilation T-5214 for a discussion of errors in the plane table projection and in plotting of triangulation stations.

W.D. Crook
✓ B.G. Jones