6188a

6188a

Form 504
Rev. Dec. 1933

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

DESCRIPTIVE REPORT

6188a

Topographic } Sheet No. J
~~*Hydrographic*~~

State Georgia.

LOCALITY

~~Camden County~~ Cumberland Island

~~Cumberland and Brickhill Rivers.~~

Floyd Creek to Brickhill River

1934

CHIEF OF PARTY

Hubert A. Paton

U.S. GOVERNMENT PRINTING OFFICE: 1934

Form 537a
11—5813

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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. J

REGISTER NO. 6183a

State Georgia

General locality Cumberland Island

Locality Floyd Creek to Brickhill River

Scale 1:10,000 Date of survey June , 1934 , ~~192~~

Vessel Party No. 26

Chief of Party Hubert A. Paton

Surveyed by J.M. LeRoy

Inked by C.T.Schwalb

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated Dec.5, 1933 , ~~192~~

Remarks:

GPO

DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET J
PARTY NO. 26 PROJECT H.T. 168

June 1934

INSTRUCTIONS:

The work done on this sheet was done in accordance with instructions dated Dec. 5, 1933.

LIMITS:

The sheet covers an area from Floyd Creek, south to Cabin Bluff and from Cabin Bluff east to the most eastern part of Brickhill River.

METHODS:

All signals were located by means of graphic triangulation. No traverses were necessary. The work conforms with the requirements in the topographic manual, Special Publication No. 144.

Datum:

The datum for this sheet is North American 1927. The geographic positions of all stations were the unadjusted field computations on North American Datum based on the line Bat-Stafford. These values were corrected as follows:

Latitude + 1.0 meters.
Longitude - 5.0 meters.

which reduces the position to the 1927 datum. These correction factors were obtained by comparing the values for the adjusted first order stations in the vicinity.

JUNCTIONS:

This sheet joins sheet E and F on the north, and sheet K on the south.

The following signals were located on both:

Sheet J and E Signals	Discrepancies (meters) Lat.	Long.
Dun	2	0
Sheet J and F		
Triangulation station High Bluff (house on end of dock)		
Row	0	1
Pit	2	0
Ad	0	0

Sheet J and K

Triangulation station Flats 1933

Discrepancies (meters)
Lat. Long.
- -

CONTROL:

There are 10 triangulation stations on this sheet. The control is sufficient for the work.

SHORELINE:

The shores on this sheet are all marshy except the section from High Bluff to signal "Sir", a short section at Cabin Bluff, and the upper part of Shellbine Creek, (in the vicinity of signal "Hut"). A limited amount of the high water line was rodded in to check the photographic shoreline.

A separate party, under the direction of Lieut. S. B. Grenell made the field inspection and compiled the photo-topographic sheets for this area. For most of this area, the final position of the shoreline has not been received. (Jan. 10, 1935).

The pencilled shorelines shown on the sheet were traced and transferred from previous survey for the guidance of the topographer. They were not erased for fear that some of the cuts might be obliterated.

MAGNETIC MERIDIANS:

The declination as determined with the declinatoire at Station Flats, is 2° 30' east. The index correction for this instrument is 0° 10' East determined at Brunswick Magnetic station in February 1934. This gave a corrected value of 2° 40' east for the declination. on map

RANGES:

There is one range on this sheet, the Cumberland River Mud Creek Range. Its true computed azimuth is 218° 57'.

NAMES:

There are no new names suggested for this sheet.

RECOVERABLE STATIONS:

The following stations were marked and their descriptions are submitted on form # 524: Ute, Tel, Tek, Sir, Mik, Jit, Riv.- No sketches were needed on these cards because the field inspection of the photographs was made by Lieut. Grenell's party.

LANDMARKS:

The landmarks on this sheet consist entirely of Aids to Navigation, which are submitted on form 567.

COMPARISON WITH OLD SURVEYS:

The new work on this sheet checks the shoreline of old surveys very closely.

Respectfully submitted,

J M LeRoy

J. M. LeRoy,
Surveyor C. &. G. S.,

Approved and forwarded

Hubert A. Paton

Hubert A. Paton,
Lieut. C. &. G. S.,
Chief of Party.

Form 567
Rev. Jan. 1933

DIVISION OF CHARTS. FILE NO._____

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Jacksonville, Fla.

AIDS TO NAVIGATION

Jan. 11, 1935

DIRECTOR, U.S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

Hubert A. Paton, *Chief of Party.*

DESCRIPTION	POSITION						DATUM	METHOD OF DETERMINATION	CHARTS AFFECTED
	LATITUDE			LONGITUDE					
	°	′	D.M. METERS	°	′	D.P. METERS			
Mud Creek Front Range (white diamond daymark on pile)	30	54	1217	81	28	318	North American 1927	Triangulation 1933	1148, 1242, 3257.
Mud Creek Rear Range (white circular daymark on tripod)	30	54	878	81	28	593	"	"	"
Beacon No. 2 (white square daymark on pile)	30	54	922	81	29	1092	"	"	"
Beacon No. 1 (white square daymark on 3 pile dolphin)	30	53	936	81	30	728	"	"	"
Beacon No. 3 (white square daymark on pile @ Riv.)	30	53	587	81	30	1207	"	Topography 1934	"
Beacon No. 5 (white square daymark on 3 pile dolphin)	30	53	194	81	30	1396	"	Triangulation 1933	"
All objects have been viewed from the water.									

A list of objects carefully selected because of their value as landmarks as determined from seaward, together with individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive indentification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) Offshore, (2) inshore, (3) harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstaffs and like objects are not sufficiently permanent to chart.

U.S. GOVERNMENT PRINTING OFFICE: 1934 25379

M-189

REVIEW OF GRAPHIC CONTROL SURVEY T-6188(a), SCALE 1-10000,

Date of Review August 16, 1935

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5229, 5230, , with particular attention to the following details:

(a) Projection has been checked in the Field. ✓ Checked in office also Very good.

(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. Small differences in high water line references due to interpretation differences.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5229, 5230, , 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.

Rodded in shore line at lat. 30°54.3' x long. 81°27.7' does not agree with photographs - see T-5229.

D. H. Benson
✓B.G. Jones

6188b

6188b

Form 504
Rev. Dec. 1933

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

DESCRIPTIVE REPORT

6188b

Topographic
~~*Hydrographic*~~ } *Sheet No.* K

State Georgia

LOCALITY

~~Camden County~~ Cumberland Island

~~Cumberland River Dividings~~

Mumford Creek to Stafford Island

1934

CHIEF OF PARTY

Hubert A. Paton

U.S. GOVERNMENT PRINTING OFFICE: 1934

Form 537a
11—5813

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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. K

REGISTER NO. 6188b

State Georgia

General locality Cumberland Island

Locality Mumford Creek to Stafford Island

Scale 1:10,000 Date of survey June, 1934, 1932

Vessel Party No. 26

Chief of Party Hubert A. Paton

Surveyed by J.M. LeRoy

Inked by C.T. Schwelb

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated Dec.5, 1933, 1932

Remarks:

GPO

DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET K
PARTY NO. 26 PROJECT H.T. 168

June 1934.

INSTRUCTIONS:

The work on this sheet was done in accordance with instructions dated Dec. 5, 1933.

LIMITS:

This sheet covers an area from Cabin Bluff, south to Stafford Island, and from Cumberland Island, west to the second large island up Crooked River.

METHODS:

All work on this sheet was done in accordance with the "Topographic Manual," Special Publication # 144. The signals were located by graphic triangulation, and no traverses were needed.

CONTROL:

Twenty triangulation stations were recovered which furnished adequate control for the survey.

DATUM:

The datum used on this sheet is North American 1927. The triangulation stations had been computed on North American Datum from the line "Bat-Stafford," and they have not been adjusted nor reduced to the 1927 datum yet. By comparing the two values of certain first-order stations in the vicinity, a correction factor was obtained as follows:

Latitude + 1.0 meters
Longitude - 5.0 meters

With the correction applied to the data on hand, the stations could be plotted without appreciable error.

JUNCTION:

This sheet joins J on the north, sheet L on the west and sheet M on the south. The following signals were located on two sheets:

Sheet K and J

	Discrepancies (meters) Lat.	Long.
Triangulation station Flats 1934	-	-

Sheet K and L

Triangulation station Delaroche 1860	-	-
" " Crooked 1905	-	-
" " Third 1933	-	-
Oak	4	0
Lap	4	1
Tin	3	1
Hot	0	0

Sheet K and M

Triangulation station Cumberland Island Windmill 1933	-	-
Jew	4	1
Tar	5	3

SHORELINE:

The shoreline on this sheet consists mostly of marsh except for a short distance along the eastern part of Brickhill River.

A party, under the direction of Lieut. (j.g.) S. B. Grenell, compiled a photo-topographic survey of this area, but a small amount of shoreline was located also by the topographer whenever possible without unduly delaying the progress of his party. The two surveys check very closely.

MAGNETIC MERIDIAN:

The Magnetic Meridian, as determined with the declinatoire is 1° 04' east of the true meridian. The index correction for this instrument as determined at the Brunswick Magnetic station in February 1934 was 0° 10' East. The corrected declination is therefor 1° 14' east.

RANGES:

There are four ranges on this sheet, all located by triangulation. The computed azimuths are: (zero equals North)

Crossover Range or Cumberland River Delaroche Creek Range	166° 11'
Cumberland River Dividings Range # 2	189° 03'
Cumberland River Dividings Range # 1	39° 17'
Cumberland River Crooked River Range	356° 16'

NAMES:

There are no new names suggested for this sheet.

RECOVERABLE STATIONS:

The following stations were described on Form # 524: Pot, Spy, Log, Bag, Nut, New, Egg, and are submitted with this report.

The field inspection for thesphoto-topographic sheets was made by Lieut. Grenell's party so no sketches were needed on these cards.

COMPARISON WITH OLD SURVEYS:

There have been no major changes since the old surveys and the new work checked the old in a general manner.

Respectfully submitted,

J. M. LeRoy,
Surveyor C. & G. S.,

Approved and forwarded,

Hubert A. Paton,
Lieut. C. & G. S.,
Chief of Party.

Form 567
Rev. Jan. 1933

DIVISION OF CHARTS, FILE NO._____

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Jacksonville, Fla.

AIDS TO NAVIGATION

Jan. 14, 1935

DIRECTOR, U.S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

Hubert A. Paton, *Chief of Party.*

DESCRIPTION	POSITION						METHOD OF DETERMINATION	CHARTS AFFECTED
	LATITUDE			LONGITUDE		DATUM		
	° '	D.M. METERS		° '	D.P. METERS			
Beacon # 4 (White square daymark on 3 pile dolphin)	30 52	1183		81 30	856	North American 1927	Triangulation 1933	448, 1242, 3257.
Beacon # 9 (White square daymark on pile, ⊙ Pat.)	30 51	1543		81 29	1163	"	Topography 1934	"
Delaroche Creek F. R. (White diamond daymark with black center on pile.)	30 51	1369		81 29	1300	"	Triangulation 1933	"
Beacon # 11 (White square daymark on pile, ⊙ Spy.)	30 51	1242		81 29	731	"	Topography 1934	"
Delaroche Creek R. R. (White circular daymark with black center, on tripod.)	30 51	692		81 29	1134	"	Triangulation 1933	"
Beacon # 13 (White square daymark on pile.)	30 51	10		81 28	1230	"	"	1242, 3257
Dividings R. R. # 1 (White diamond daymark on pile.)	30 50	1283		81 28	1086	"	"	"

A list of objects carefully selected because of their value as landmarks as determined from seaward, together with individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive indentification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) Offshore, (2) inshore, (3) harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstaffs and like objects are not sufficiently permanent to chart.

U.S. GOVERNMENT PRINTING OFFICE: 1934 25879

Form 567
Rev. Jan. 1933

DIVISION OF CHARTS, FILE NO._____

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Jacksonville, Fla.

Jan. 14, 1935

DIRECTOR, U.S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

Hubert A. Paton, *Chief of Party.*

DESCRIPTION	POSITION						METHOD OF DETERMINATION	CHARTS AFFECTED
	LATITUDE			LONGITUDE		DATUM		
	° '	D.M. METERS		° '	D.P. METERS			
Dividings F. R. # 1 (White square daymark on tripod.)	30 50	1029		81 28	1294	North American 1927	Triangulation 1933	1242, 3257.
Dividings F. R. # 2 (Red triangular daymark on pile.)	30 50	852		81 28	1388	"	"	"
Dividings R. R. # 2 (Red triangular daymark on pile.)	30 50	732		81 28	1407	"	"	"
Beacon # 6 (White square daymark on pile.)	30 50	280		81 29	341	"	"	"
Crooked Creek R. R. (White circular daymark on pile.)	30 50	145		81 29	~~996~~ 896	"	"	"
Crooked Creek F. R (White diamond daymark on pile.)	30 49	1221		81 29	845	"	"	"
Beacon # 7, (white square daymark on pile, ⊙ Log)	30 52	403		81 29	1520	"	Topography 1934	448, 1242, 3257.

see pg 119 Georgia Lith. Krum

A list of objects carefully selected because of their value as landmarks as determined from seaward, together with individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive indentification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) Offshore, (2) inshore, (3) harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstaffs and like objects are not sufficiently permanent to chart.

U.S. GOVERNMENT PRINTING OFFICE: 1934 25379

Form 567
Rev. Jan. 1933

DIVISION OF CHARTS, FILE NO._____

DEPARTMENT OF COMMERCE

U.S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Jacksonville, Fla.

Jan. 14, 1935

DIRECTOR, U.S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

Hubert A. Paton, *Chief of Party.*

DESCRIPTION	POSITION					METHOD OF DETERMINATION	CHARTS AFFECTED
	LATITUDE		LONGITUDE		DATUM		
	° ′	D.M. METERS	° ′	D.P. METERS			
Tank, wooden, (3) (70 ft. high△Cumberland Island tank)	30 51	703	81 27	1373	North American 1927	Triangulation 1933	1242, 3257
Windmill, (3) (75 ft. high△Cumberland Island windmill)	30 48	1678	81 28	217	"	"	"
These objects have all been viewed from the water.							

A list of objects carefully selected because of their value as landmarks as determined from seaward, together with individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive indentification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) Offshore, (2) inshore, (3) harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstaffs and like objects are not sufficiently permanent to chart.

U.S. GOVERNMENT PRINTING OFFICE: 1934 25179

M-189

REVIEW OF GRAPHIC CONTROL SURVEY T-6188b , SCALE 1-10000 , June 1934

Date of Review Aug. 1, 1935

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5231, 5230 , , with particular attention to the following details:

(a) Projection has been checked in the Field. ✓

(b) Accuracy of location of plane table control points. OK

(c) Discrepancies between detail on this survey and the air photo compilations listed above. High water line differences see report T-5231.

(d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above. OK

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5231 , 5230 , , 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. no corrections

Projection on T-6188(b) very good, no errors greater than 1 mm. being found.

D. H. Benson

B. G. Jones