

6394

Graphic Control
(1937)

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

APR 4 1938

Acc. No.

Graphic Control
(1937)

6394

Form 504
Rev. Dec. 1933

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

DESCRIPTIVE REPORT

Topographic } Sheet No. TT
~~Hydrographic~~

State Florida

LOCALITY

St. Johns River

Welaka

193 7

CHIEF OF PARTY

L. D. Graham

REVIEW OF GRAPHIC CONTROL SURVEY T-~~6394~~ , SCALE ~~1:5,000~~ ,

Date of Review

May 12, 1938
May 24, 1938

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-~~5152~~ ~~5151~~ , , with particular attention to the following details:

- (a) Projection has been checked in the field. ✓
- (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. ✓

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-~~5151~~ , ~~5152~~ , , 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.

For T-5152
T-5151

T.M. Price May 12 '38
" May 24 '38

Where difference between the hydro. surveys and the
GCS in the heights of piles, poles etc., the
hydro. surveys are accepted as correct.

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. TT

REGISTER NO. T 6394 (1937)

State Florida

General locality St. Johns River

Locality Welaka

Scale 1:5,000 ~~1:10,000~~ Date of survey February, 19 37

Vessel Launch MIKANE

Chief of party L. D. Graham

Surveyed by Raymond H. Carstens

Inked by Raymond H. Carstens

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated November 9, 1936

Remarks: _____

DESCRIPTIVE REPORT

To Accompany Graphic Control Sheet No. TT

Instructions dated November 9, 1936

Project HT-212

GENERAL DESCRIPTION

This sheet includes that portion of the St. Johns River from Lat. $29^{\circ} 30.2'$, on the north, to Welaka at Lat. $29^{\circ} 28.6'$, on the south. The portion of the sheet north of Turkey Island was surveyed by a party under Lieutenant H. A. Paton, in July 1935. The writer surveyed only that portion of the sheet south from Turkey Island and limits this report to that area.

Tree covered swamp land borders the river in this region except on the east bank from station WELAKA SPRINGS W.T. to Welaka where the bank rises abruptly to form a low bluff about 15 feet high and east of Turkey Island where the bank rises more slowly to higher land.

LANDMARKS

The water tank, station WELAKA SPRINGS W.T., serves as a conspicuous landmark. Its position is submitted on form 567 in a separate report. There are no aids to navigation on this portion of the sheet.

CONTROL AND SURVEY METHODS

A second order arc of triangulation established in 1935 was used for control on this sheet. Hydrographic signals were located by graphic triangulation or by a cut and rod reading. Short sections of the high water line and remains of old piling were rodded in whenever possible. The shoreline is to be furnished from air-photo compilations. Triangulation stations were so close together that no recoverable hydrographic stations were established.

No magnetic meridian was put on the sheet but magnetic observations were made at station WELAKA with a compass declinometer.

The shoreline, as shown by the penciled line was traced from U.S.E.D. air-photo compilations.

GEOGRAPHIC NAMES

Geographic names taken from Chart 508 of the Coast Survey are: St. Johns River, Welaka, Welaka Spring and Turkey Island.

A name established by local use is Stephens Point, which is the point of land to the south of Turkey Island.

Approved and forwarded:

L. D. Graham
L. D. Graham
H. & G. Engr.
Chief of Party

Submitted by,

Raymond H. Carstens
Raymond H. Carstens
Deck Officer

6394 (1935)

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AUG 12 1935

Acc. No.

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Graphic Control

Form 504 Rev. Dec. 1933	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
R. S. PATTON, DIRECTOR	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. TT
State	Florida
LOCALITY	
St. Johns River	
Nashua to Welaka.	
1935	
CHIEF OF PARTY	
Hubert A. Paton	

MEMORANDUM

IMMEDIATE ATTENTION

~~SURVEY~~
 DESCRIPTIVE REPORT } No. H
~~PHOTOSTAT OF~~ } No. T 6394

{ received Feb. 3, 1936
 { registered Feb. 11, 1936
 { verified
 { reviewed
 { approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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✓ 25			<i>E. F. D. Jr.</i>
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RETURN TO

82	
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C. K. Green

Feb. 12, 1936

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

FEB 3 1936

REG. NO.

Acc. 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. TT **T6394 (1935)**

REGISTER NO.

State Florida

General locality St. Johns River¹⁵

Locality Nashua to Welaka¹⁶

Scale 1:5000 Date of survey July, 1935

~~Vessel~~ Party No. 26

Chief of party Hubert A. Paton

Surveyed by W. W. Ogle

Inked by W. W. Ogle

Heights in feet above.....to ground to tops of trees

Contour, Approximate contour, Form line interval.....feet

Instructions dated August 23, 1934

Remarks: The work on this sheet completed to Turkey

Island only.

DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET TT
ST. JOHNS RIVER, FLORIDA.
NASHUA TO WELAKA
PARTY NO. 26 - PROJECT H. T. 168

August 2, 1935.

INSTRUCTIONS:

The work on this sheet was done in accordance with instructions dated August 23, 1934.

LIMITS:

This sheet covers the portion of the St. Johns River extending from Seminole Grove Nashua to Welaka, but because of the lack of an appropriation the sheet was completed only as far as Turkey Island.

METHODS:

Standard Coast Survey Methods, as authorized in Special Publication No. 144 were used in the survey of this sheet.

The triangulation stations were so located as to make it impossible to locate the hydrographic signals, docks and other artificial features by graphic triangulation. A traverse was run between triangulation stations Turkey and Spring and all signals and topographic features were cut in from the traverse points. The traverse closed with no error. All set-ups, excepting two, were made on sandy shoals covered by one to two feet of water close to the high water line. Two set-ups were made on docks.

CONTROL:

The four triangulation stations shown on this sheet were located by Lieut. K. G. Crosby, Party No. 1 in 1935. Only two stations; namely, Spring and Turkey were used.

DATUM:

The triangulation stations were plotted on North American 1927 Datum from unadjusted field computations with no correction.

SHORELINE:

The shoreline in this portion of the river may be generally classified as sandy with low bluffs on the east side of the river, and low and swampy on the west side. In most cases the shore is heavily wooded and the tree line extends from two to ten meters beyond the high water line with an average of about 4 meters.

Station Spring is located in a Citrus Grove which extends for some distance south. Signal "Vot" is located on a 6' bluff about 5 meters north of a gravel pathway thru the landscaped grounds to the west of a residence belonging to Eckert whose boat house lies 100 meters to the south.

The high water line shown on the sheet in ink was located by the topographer. The dots indicating points where rod readings were taken.

The shoreline shown in pencil on the sheet was transferred from U.S.E. survey sheets and is of no further value than as an aid to the topographer. The discrepancies in the old shoreline should not be interpreted as natural changes but as due to errors, as there was no projection on the U.S.E. survey sheets.

MAGNETIC MERIDIAN:

No Magnetic Meridian was determined for the portion of the sheet completed due to the field work being discontinued unexpectedly.

LANDMARKS AND AIDS TO NAVIGATION:

This area is void of natural features for landmarks.

List of Aids to Navigation accompany this report on Form #567.

Ben & C. Attala

COMPARISON WITH PREVIOUS SURVEYS:

The previous surveys of this area were merely a reconnaissance sketch by the U. S. Engineers made with no triangulation control. A close comparison is not warranted. The photo topographic sheets are still in the process of compilation and no comparison can be made at this time.

GEOGRAPHIC NAMES:

The following names now appearing on the chart are in common use and it is recommended that they be retained:

Nashua	Welaka Spring
Turkey Island	Welaka

It is recommended that the following names be added:

Seminole Grove:- This applies to a large citrus grove and appears in large letters on the packing dock.

B^uzzard Islands:- The local name for two small islands to the north of Turkey Island.

Stephens Point:- Just south of Turkey Island; and Colonial Hotel, which is a 50 room frame hotel built in 1928 and in excellent condition, although boarded up and vacant at the present season.

These names are all in common use, on County Maps, Land Titles and by the local inhabitants.

Respectfully submitted,

Approved and forwarded,

W. W. Ogle.
W. W. Ogle,
Observer, C. & G. S.

Hubert A. Paton

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

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT

~~PHOTOSTAT OF~~

~~No. 6394~~

No. T-6394(1937)

received April 4, 1938
registered April 14, 1938
verified
reviewed
approved

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RETURN TO

82	T. B. Reed
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✓ JBR