DESCRIPTIVE REPORT

Topographic  Sheet No. TT

Hydrographic

State     Florida

LOCALITY

St. Johns River

Welaka

1937

CHIEF OF PARTY

L. D. Graham

U.S. GOVERNMENT PRINTING OFFICE: 1936
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-5154, 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-5157, 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 24, 1938

Where difference between the hydro surveys and the cgs in the heights of poles, poles etc., the hydro surveys are accepted as correct.
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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 1:10,000 Date of survey February 19, 1927

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 2, 1926

Remarks: ........................................

670
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° 30.2', on the north, to 'Welaka at Lat. 29° 28.6', on the south. The portion of the sheet north of Turkey Island was surveyed by a party under Lieutenant E. 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:

[Signature]
L. D. Graham
E. & G. Engr.
Chief of Party

Submitted by:

[Signature]
Raymond H. Carstens
Deck Officer
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**State:** Florida

**Locality:**
- St. Johns River
- Naskua to Welaka

**1935**

**Chief of Party:** Hubert A. Paton

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MEMORANDUM
IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT

No. H
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.

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RETURN TO

82

C. K. Green  Feb. 12, 1936
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. T6394 (1935)

State: Florida

General locality: St. Johns River

Locality: Nashua to Welaka

Scale: 1:5000

Date of survey: July 1935

WV No.: Party No. 26

Chief of party: Hubert A. Paton

Surveyed by: W. W. Ogle

Inked by: W. W. Ogle

Heights in feet above 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.
NASHEA TO WELAKA
PARTY NO. 28 - 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 #587.

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
Turkey Island
Welaka
Welaka Spring

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.

Bazzard 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
Observer, C. & G. S.

Hubert A. Paton
Lieut. C. & G. S.,
Chief of Party.
I recommend that the following objects which have been inspected from seaward to determine their value as aids to navigation be charted on the charts indicated.

The positions given have been checked after listing.

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

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<td>Robert A. Petal</td>
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August 2, 1935

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

Form 567
Rev. March 1935

FLORIDA
MEMORANDUM
IMMEDIATE ATTENTION

SURVEY DESCRIPTIVE REPORT
No. 6894

received April 4, 1938
registered April 14, 1938
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.

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RETURN TO

82  T. B. Reed

[Signature]