

6389

Graphic Control

U. S. COAST & GEODETIC SURVEY
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Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
H. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic } Sheet No. N
Hydrographic }

State Florida

LOCALITY

St. Johns River

East Palatka to San Mateo

1935

CHIEF OF PARTY

Hubert A. Paton

U. S. GOVERNMENT PRINTING OFFICE: 1934

00030

Graphic Control

MEMORANDUM

IMMEDIATE ATTENTION

~~SURVEY~~
 DESCRIPTIVE REPORT } ~~No. H~~
~~PHOTOSTAT OF~~ } No. T 6389

{ 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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RETURN TO

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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	REG. NO.
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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. NN T6389

REGISTER NO.

State Florida

General locality St. Johns River ^B

Locality East Palatka To San Mateo ²⁵

Scale 1:5,000 Date of survey June 10, 1935

Vessel Party No. 26

Chief of party Hubert A. Paton

Surveyed by C. I. Hudson

Inked by C. I. Hudson

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

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

Instructions dated August 23, 1934.

Remarks:.....

DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET ~~111~~
ST. JOHNS RIVER, FLORIDA.
PARTY NO. 26 - PROJECT H. T. 168.

June 15, 1935.

INSTRUCTIONS:

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

LIMITS:

This sheet is a survey of a portion of the St. Johns River extending from East Palatka to San Mateo.

METHODS:

The work was done in accordance with the Standard Coast Survey methods authorized in the "Topographic Manual" (Special Publication No. 114).

One short traverse was run from triangulation station Oglesby to signal Hat. The rest of the signals were located by graphic triangulation.

CONTROL:

Seven triangulation stations located within the confines of the sheet established satisfactory control.

DATUM:

North American 1927 Datum was used, and all triangulation stations and beacon #76 were plotted from unadjusted field computations of Lieut. E. G. Crosby based on the line San Mateo 1933 - Perrin 1933. No corrections were necessary.

SHORELINE:

The shoreline along the west side of the river is generally swampy with the true high water line somewhat indistinct. Bushes, small trees and undergrowth overhang the banks, but larger trees that range from 50 to 70 feet high grow close to the water and outline the

course of the river. Almost without exception, the water is deep along both shores and the bottom is soft mud or decayed vegetable matter.

The east bank differs from the west bank, being higher ground, sparsely wooded with small trees and undergrowth. There are a few cultivated fields near the river. The vicinity known as Rivercrest is on a prominent sand bluff about 25 feet high.

There are several groups of old piling along the east shore that are remnants of old wharves. Usually the outer piling stand 4 to 5 feet out of the water while the others are partially submerged. These piling are shown as dashed lines on the sheet or so labeled.

Two sunken barges, abandoned on shore, are shown in dashed lines. One fish trap was found on the east bank and rodded in by taking shots on both extremities. Two lines of pound net stakes were also rodded in.

The piling that form the log pond are in groups of two or three and stand about 6 feet above mean low water and are about 10 meters apart. A black dot indicate where the read readings were taken.

Not much shoreline could be located because of the overhanging trees and deep water inshore. All of the tree lines and high water lines located are so labeled. Because of the deep water along the banks, the water hyacinths do not line the entire shoreline, as in other portions of the river, but are found mostly in the coves. In general, the inshore edge of the hyacinths represent the high water line fairly accurately. Any conflict between the aerial photos and the rodded in sections will probably be due to the overhanging trees and bushes along the shore. The hyacinths will also cause a discrepancy.

The shoreline in pencil was taken from old surveys to aid the topographer only, and is of no further value.

JUNCTIONS:

This sheet joins sheet M-M on the north at triangulation station, East Palatka Browning Lumber Company Stack, and sheet 00 on the south at triangulation station Mat. At the present time, it is believed the field work will be discontinued temporarily.

MAGNETIC MERIDIAN:

The Magnetic meridian, as obtained by the planetable declinoire at triangulation station Oglesby 1935, has a variation of $1^{\circ} 07'$ East of the true meridian. The declinoire has been checked at Green Cove Springs, Florida Magnetic Station where a declination of $0^{\circ} 55'$ East was obtained as compared with the correct declination of $0^{\circ} 42'$ East. Applying the correction of $0^{\circ} 13'$ East, the correct magnetic variation is $0^{\circ} 54'$ East.

RANGES:

There are no ranges within the confines of this sheet.

PERMANENT STATIONS:

One recoverable station, "Crow", was located. It is described on Form #524 and indicated on the sheet by a lower case letter "(d)".

GEOGRAPHIC NAMES:

The locality shown on Chart #508 and #684 as "Rollestown" is now called, "Rivercrest", and it is recommended that this change be made.

The name, "San Mateo", should be retained.

LANDMARKS:

A list of Aids to Navigation is attached to this report. The east and west transmission towers in the vicinity of Rivercrest, as well as the tank at the Potato Cannery, are very prominent landmarks, but have been included in the report on triangulation stations and will not be duplicated here.

COMPARISON WITH PREVIOUS SURVEYS:

This sheet checks with previous surveys in a satisfactory manner, and considering the fact that the shoreline has not been precisely adjusted, no appreciable change is in evidence. The photo compilation work has not been completed in this area, so a comparison cannot be made with it.

Respectfully submitted,

Approved and Forwarded,

C. I. Hudson
C. I. Hudson,
Observer, C. & G. S.

Hubert A. Paton

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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Palatka, Florida.

June 18 1935.

AIDS TO NAVIGATION

RECTOR, 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.

[illegible]

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 identification. 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, flagstuffs and like objects are not sufficiently permanent to chart.

REVIEW OF GRAPHIC CONTROL SURVEY T-6389 , SCALE 1: 5,000

Date of Review 8/11/39

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5202, , 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-5202, , 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.

L.C.H.