

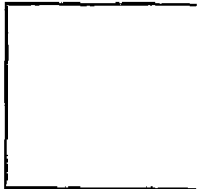
4534a

Form 604  
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton *Director*



State: Florida

DESCRIPTIVE REPORT

Topographic } Sheet No. <sup>c</sup> 4534a  
Hydrographic }

LOCALITY

St. Lucie River

Northwest Branch and

South Branch

1930.

CHIEF OF PARTY

C. A. Egner

4534a

U. S. & G. SURVEY  
L & A.  
MAY 29 1930  
Acc. No.

DESCRIPTIVE

REPORT

Topographic Sheet "C"

St. Lucie River Florida

Motor Vessel Natoma

C.A. Egner, Commanding.

1:20,000

Season 1930.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC

SHEET "C"

St. Lucie River

Florida

1:20,000 Scale

Motor Vessel Natoma,

C.A. Egner, Commanding.

Season 1930.

DESCRIPTIVE REPORT TO ACCOMPANY SHEET "C"

ST. LUCIE RIVER, EAST COAST OF FLORIDA.

INSTRUCTIONS: The work was done under Instructions (project 49) dated December 20, 1929.

METHODS: The work was done in accordance with usual Coast Survey methods. A third order accuracy scheme of Triangulation with Pisgah-Cemetery as a datum furnished control for the survey. The shore-line was run in by short traverses from triangulation stations and three point fixes. The closing errors of these traverses being well within the prescribed limits; they were adjusted by the adjustment diagram.

DESCRIPTION: The country as a whole is covered with pines and a thick undergrowth of palmettos. The shore-line in the South Branch is mostly a flat sandy beach, with 4 to 8 meters between high and low waters. In the Northwest Branch, the shore-line is mostly a clay bank varying in height from 2 to 3 feet. In the extreme southern end, as well as in the extreme northern end, of the river, the shore-line is not well defined, being covered with overhanging mangrove. In these places, the outer edge of the mangrove was run in.

JUNCTION WITH  
PHOTO-TOPOGRAPHIC  
SHEET:

On account of the distortion in the photo topographic sheet, actual determination of any discrepancy between the survey and the photo sheet is impossible. If, in transferring the work at the junction from the photo sheet to the topographic sheet, the meridian  $80^{\circ} 14'$  and the parallel  $27^{\circ} 12'$  are considered common to the two sheets, no appreciable discrepancy is noted. The ink crosses ( ) indicate the street intersections as determined by traverse.

COMPARISON WITH

OLD SURVEY:

The country of course, has been developed. The towns of Stuart and Palm City, the bridges across the River at Stuart, and at Palm City, the streets, railroads, highways, and retaining walls have been built. Aside from these developments, however, no change in the shore-line and land features is noted between this survey and the survey of 1883. Any lack of agreement between the two is probably due to distortion in the bromide copy and lack of sufficient control for the old survey.

NEW NAMES:

The following names have been suggested by residents as being in common usage:

"Tarpon Bay" "Nigger-head Point" "Green-ridge Point"

INSERT:

The 1:10,000 scale insert was made to show the detail around station "Krueger" for the reduction of photographs.

STATISTICS:

Statute miles of shoreline: 25.7

Statute miles of roads,  
railroads,  
creeks, and  
sloughs:-- 14.4

-o-

*no list of land marks in this report. F.A.R.*

Respectfully submitted

*Fred A. Riddell*  
F.A. Riddell  
Aid

*Respectfully provided  
C. Wagner  
Candy Netma.*

PLANE  
~~RAIN~~ TABLE POSITIONS

STATION	LONGITUDE	D.M.	LATITUDE	D.P.	HEIGHT	REMARKS
1. Dixie Pelican Hotel	27 11	1715(132)	80° 14'	1603(48)	50'	N.E. Corner
2. High School	27 11	1512(335)	80 14	1155(496)	35'	N.W. Corner
3. Brick Chimney	27 12	1550(297)	80 15	830(821)		On old ice plant.
4. Gable	27 12	1523(324)	80 16	406(1245)		S.Gable of old Ho.
5. Cross	27 09	1522(325)	80 15	1125(526)		Palm City church on N. Gable.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

C. & G. SURVEY  
L. & A.  
MAY 29 1930  
Acc. No.

REG. NO.  
45342

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. "C"

REGISTER NO. 45342

State Florida

General locality ~~East Coast~~ St. Lucie River

Locality Martin County Northwest Branch and South Branch

Scale 1:20,000 Date of survey March and April, 1930

Vessel Motor Vessel Natoma

Chief of Party C.A. Egner

Surveyed by F.A. Riddell

Inked by F.A. Riddell

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

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

Instructions dated December 20, 1929

Remarks:

4534b

453410

Form 504  
Ed. June 1928

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
R.S. Patton, Director

State: Florida

DESCRIPTIVE REPORT

Topographic } Sheet No. 4534b  
Hydrographic }

LOCALITY

St. Lucie River  
Northwest Branch and  
South Branch

1930.

CHIEF OF PARTY

C.A. Egner



C. & G. SHERREY  
L.S.  
MAY 29 1930  
Acc. No.

DESCRIPTIVE

REPORT

St. Lucie River Florida.

Topographic Sheet

"C" "

Motor Vessel Natoma,

C.A. Egner, Comdg.

1:10,000

Season 1930.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC

SHEET C\*

St. Lucie River Florida.

1:10,000 Scale.

Motor Vessel Natoma -

C.A. Egner, Commanding.

Season 1930.

DESCRIPTIVE

REPORT

to Accompany Topographic Sheet C.

The work on this sheet was executed under instructions dated December 20, 1929 to the Motor Vessel Natoma as a part of the general work of Project #49. Its purpose was to supplement the work on Sheet C. in case this area is photographed some time in the future. Objects in the vicinity of each triangulation station which should be distinguishable on an ~~XXXX~~ aerial photograph were located on a scale of 1-10,000 rather than attempting to make similar inserts on the regular 1-20,000 scale of the sheet C.

Triangulation Station AIR is located on the area covered by photograph A. C. 26-1 CF-554. This is the only one which shows on the photographs at present available. It is a tall steel tower supporting a revolving light used as a beacon for airplanes. It was built in 1930 and has been reported on the official form for Landmarks for Charts.

The work was done in accordance with usual Coast Survey methods. No closed traverses were run. The field work was entirely done by the undersigned.

For description of shoreline, landmarks, list of planetable positions, etc., see descriptive report accompanying Sheet C.

Respectfully submitted,

*Hubert A. Paton*  
Hubert A. Paton,  
Jr. H. & G. Engr.

*Respectfully forwarded*  
*C. A. Quinn*  
*Comdr. Natoma*

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

REG. NO. 4534b

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. C'

REGISTER NO. 4534b

State Florida

General locality ~~East Coast~~ St. Lucie River

Locality Northwest Branch and South Branch  
~~Martin and St. Lucie Counties~~

Scale 1-10,000 Date of survey February, 192<sup>30</sup>

Vessel M. V. Natoma

Chief of Party C. A. Egner, H. & G. Engr.

Surveyed by Hubert A. Paton, Jr. H. & G. E.

Inked by do

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

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

Instructions dated Dec. 20, 192<sup>9</sup>

Remarks: To supplement Sheet C.