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

State: Florida

DESCRIPTIVE REPORT
Topographic Sheet No. 4534a
Hydrographic

LOCALITY
St. Lucie River
Northwest Branch and
South Branch

1930

CHIEF OF PARTY
C. A. Egner
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.
DESRIPTIVE REPORT TO ACCOMPANY SHEET "C"

ST. LUCIE RIVER, EAST COAST OF FLORIDA.

INSTRUCTIONS: The work was done under Instructions (project 49) dated December 20, 1939.

METHODS: The work was done in accordance with usual Coast Survey methods. A third order accuracy scheme of Triangulation with Piagah-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° 14' and the parallel 27° 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 town 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:

"Tarpac 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

No list of landmarks in this report.

Respectfully submitted

Fred A. Riddell
F.A. Riddell
Aid

Respectfully furnished

E. H. Heyer

Respectfully furnished

E. H. Heyer
<table>
<thead>
<tr>
<th>STATION</th>
<th>LONGITUDE D.M.</th>
<th>LATITUDE D.P.</th>
<th>HEIGHT</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dixie</td>
<td>27 11 1715(132)</td>
<td>80° 14'</td>
<td>1603(48)</td>
<td>50' N.E. Corner Pelican Hotel</td>
</tr>
<tr>
<td>High School</td>
<td>27 11 1512(335)</td>
<td>80 14</td>
<td>1155(496)</td>
<td>35' N.W. Corner</td>
</tr>
<tr>
<td>Brick</td>
<td>27 12 1550(297)</td>
<td>80 15</td>
<td>830(821)</td>
<td>On old ice plant. Chimney</td>
</tr>
<tr>
<td>Gable</td>
<td>27 12 1523(324)</td>
<td>80 16</td>
<td>406(1245)</td>
<td>S.Gable of old Ho.</td>
</tr>
<tr>
<td>Cross</td>
<td>27 09 1528(325)</td>
<td>80 15</td>
<td>1185(526)</td>
<td>Palm City church on N. Gable.</td>
</tr>
</tbody>
</table>
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. 4534a

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. Eager

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:
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
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 Hatoma 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 AERIAL 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,

[Signatures]

Respectfully forwarded

[Signature]
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. ☐

REGISTER NO. 4534b

State Florida

General locality East Coast St. Lucie River

Northwest Branch and South Branch

Locality Martin and St. Lucie Counties

Scale 1-10,000 Date of survey February 1920

Vessel H. V. Matoma


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 1929

Remarks: To supplement Sheet C.

GPO