

4550

Form 504  
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R.S. Patton, Director

U. S. COAST & GEODETIC SURVEY  
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MAR 6 1931

State: Florida

Acc. No.

Photo-  
Topographic  
Hydrographic

DESCRIPTIVE REPORT

Sheet No. 4550

LOCALITY

East Coast

Micco to Winter Beach Narrows

1930...

CHIEF OF PARTY

O. S. Reading

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4550

## PHOTO 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 Letter \_\_\_\_\_

REGISTER NO. 4550

State FloridaGeneral locality East CoastLocality Micco to ~~Winter Beach~~ NarrowsScale 1:20,000 Date of survey April 29, 1928 (photos taken)Vessel Army Air Corps Loening Amphibian AirplaneChief of Party O. S. ReadingSurveyed by W. J. ChovanInked by W. J. Chovan

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour Approximate contour Form line interval \_\_\_\_\_ feet

Instructions dated (control & compilation) June 6, 1929Remarks: Compilation of four-lens air photographs Nos. 630-655.Reduced to 1:20,000 and printed by photolithographic process  
in Printing Section.

DESCRIPTIVE REPORT TO ACCOMPANY

AIR PHOTO TOPOGRAPHIC SHEET

No. 4550 - Micco to Winter Beach

This is a compilation of a single strip of air photographs, numbers 630 to 655 (fourth roll), direction of flight to northward, taken with Army Air Corps four-lens camera No. 26-1. These photographs were taken on April 29, 1928; No. 630 taken at about 10:00 A.M., and No. 655 at about 10:15 A.M. Low water at Indian River Inlet as per predicted tide tables occurred at 10:01 A.M., height 0.2 foot.

LIMITS OF SHEET No. 4550.

This sheet includes the area from the coast to about five miles inland, at the western edge of the single photographic strip, and from the town of Micco to the town of Winter Beach.

CONTROL.

The photo topographic control sheets numbers 4538 and 4546 were used to control the shoreline. The railroad traverse, as obtained from the Florida East Coast Railroad, was also plotted. The five steel tape road traverses measured by the air photo control party in 1929 at the towns Winter Beach, Wabasso, Sebastian, Roseland and Micco, the azimuths of which were obtained by theodolite solar observations, were used to control the sheet in an easterly and westerly direction. All turning points, azimuth stations, plusses to cross-roads, etc., are shown by small red circles on the sheet.

COMPILATION.

A projection was made on the celluloid sheet, and all control points plotted, to the average scale of the photographs as determined by a preliminary radial plot. (Factor 1.065 x 20,000). Photostats of photo topographic control sheets Nos. 4538 and 4546 and topographic sheet No. 1544 were made to this scale. The shoreline from photostats of sheets 4538 and 4546 was traced in black ink and from photostat of sheet 1544 in blue ink. A radial line graphic traverse was then plotted holding to this control. The remaining features of the photo topographic map were obtained by adjustment between the points determined by the radial plot.

The shoreline on the Indian River side at Sebastian Inlet differed on the photo topographic control sheets 4538 and 4546, both made in 1930, due to shifting sand. As this shoreline was not tied to shoreline where no change occurred, the shoreline shown was taken from the photographs.

CHANGES.

No appreciable change between the old shoreline and new shoreline was noted throughout the sheet, except that Sebastian Inlet was cut through since the survey of 1880-1881.

LANDMARKS FOR CHARTS.

No landmarks occur on this sheet.

NAMES.

The names appearing on this sheet were taken from the U. S. Coast and Geodetic Survey chart No. 162 and photo topographic control sheet 4538.

SYMBOLS.

The standard topographic symbols were used together with the following special symbols in order to bring out the topographic character of the locality: A single full line for a ditch, a double full line for all improved, graded and paved highways and streets, a double dashed line for all unimproved but graded roads, a single short dashed line for trails and a single long dashed line for boundaries of cultivated fields and cleared fields.

The culture was noted on the photographs from the principal highways and the roads traversed during a limited field inspection. At inaccessible places the culture was interpreted in the office from the similarity noted to that obtained from the field inspection.

Respectfully submitted,

*Walter J. Chovan*

Walter J. Chovan,  
Jr. H. & G. Engineer.

Approved:

*O. S. Reading*

O. S. Reading,  
Chief of Party  
Coast & Geodetic Survey.

*K. T. Adams*  
FIELD RECORDS (C)

*B. Borden*

Chief, Section Field Work

*L. O. Lobbut*

Chief, Division of Charts

*G. H. de*

Chief, Div. of Hyd'y and Ton'g