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

State: Florida

LOCALITY
Florida East Coast
Miami Beach to Cape Florida

1927

CHIEF OF PARTY
G. S. Reading
DESCRIPTIVE REPORT TO ACCOMPANY AIR PHOTO TOPOGRAPHIC SHEET
REGISTER NO. 4529.

Miami Beach to Cape Florida.

This sheet is a compilation of three lens Army Air Corps photographs numbers 108 to 130, second set. The photographs were taken from 4:20 to 4:30 P. M. on February 27, 1927. The tide tables predicted a high water of 2.1 feet at 4:17 P. M. this date.

The pictures were taken at an altitude a little greater than 8,000 feet giving a scale of about 1:16,000 on account of threatening clouds which made it risky to spend more time in gaining altitude.

CONTROL AND COMPILATION.

The control of the sheet is by triangulation executed in 1929 by a party from the Ship RANGER. The topography of 1919 was also used to some extent on Key Biscayne and Virginia Key. Some experimental work was done on the first plot, the chart being enlarged to the average scale of the photographs and traced in blue on a mercurator projection. This led to difficulties as the original chart projection was considerably in error due to some trouble in joining the negatives. The portion north of Virginia Key was replotted on this account. The radial method of plotting was used.

CHANGES.

Numerous changes in the street systems were found, probably due to errors in compilation from blueprints, in original surveys. The remaining changes are obviously due to beach erosion or new construction.

LANDMARKS.

A separate report dated February 11, 1930 has been forwarded which covers the landmarks recommended for this sheet.

Projection. The projection has been modified in the imprint section. Data should be transferred from adjacent lands and not across the junction of the negatives. No error in excess of paper distortion will then occur.

O. S. Reading,
Chief of Party.
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. 4529

State. Florida

General locality. East Coast

Locality. Miami Beach to Cape Florida

Scale. 1: 20,000 Date of survey. February 27, 1927

Vessel. Army Air Corps expedition plane piloted by Lieut. J. W. Aikens

Chief of Party. J. S. Reading

Surveyed by. J. S. Reading

Inked by. J. S. Reading

Heights in feet above ground to tops of trees

Contour, Approximate contour, Form line interval. 25 feet

Instructions dated. June 5, 1929

Remarks: Compilation of three lens aerial photographs Nos 106 to 131 reduced to 1:20,000 and printed by photolithographic process in Printing Section.

APPROVED

K. T. Adams
FIELD RECORDS (O)

J. R. Gordon
Chief, Section Field Work

J. O. Dobbs
Chief, Division of Charts

Chief, Div. of Hyd'y and Top'y