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U. S. COAST AND GEODETIC SURVEY
R. S. Patton Director
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JUL 27 1931

State: Florida

DESCRIPTIVE REPORT
Topographic | Sheet No. 4601
Hydrographic

LOCALITY
East Coast of Florida
Key Largo, Central Part.

1931

CHIEF OF PARTY
G. S. Reading
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. 4601

State...Florida

General locality...East Coast, Florida Keys

Locality...Key Largo, Central Part pictures

Scale:1:20,000 Date of survey...April 17, 1938

Vessel...Loening Amphibian Airplane

Chief of Party...O. S. Reading

Surveyed by...M. H. Reese

Inked by...M. H. Reese

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

Contour Approximate contour Form line interval...feet

Instructions dated (Control and Compilation)...June 6,..., 1939

Remarks: This sheet is a compilation of air photographs 367-.380 and printed by photo-lithographic process.
This sheet is a compilation of air photographs taken by the Army Air Corps' four-lens camera 26-1. Photographs 367 to 390 were taken with the plane flying northward. The Loening Amphibian was piloted by Lieutenant J. A. Dexter, at an approximate height of 10,000 feet giving an approximate scale of 1:18,500. A preliminary radial plot was made to obtain the average scale factor of the pictures. The scale factor obtained was 1.080.

Photos 367-380 were taken April 17, 1928, between 10:15 and 10:20 A.M., two hours before a low tide of 0.4 ft., as obtained from the tide tables.

LIMITS

The area of this sheet is covered by a single strip of photographs, covering the entire area of Key Largo. The northern limit of the sheet is latitude 25° 13', the southern limit is latitude 25° 03'.

CONTROL

The control used on this sheet was two triangulation stations established in 1930 and one recovered station of a 1908 scheme. A sun azimuth was obtained on the railroad at the point where the road intersects the railroad from triangulation station Largo Sound. Notes were obtained from the Florida East Coast Railroad for the traverse of the railroad. This traverse was plotted on the projection being tied in at Largo Sound and at East Tower.

COMPILATION

A projection was made on a celluloid sheet to the approximate scale of the photographs, using a scale factor of 1.080 as obtained from the spotting plot.

Photostats were made of topographic sheets 1154 and 758 to the scale of the projection and the shoreline traced on in blue ink.

The triangulation stations were identified and marked on the photographs by a field party in 1929 and the RANGER, 1930. The azimuth stations, turning points, pluses to roads, trails, etc., are shown by red circles.

A radial line graphic plot was made using the stations and the railroad traverse for control. The scale of the pictures was very close to the scale of the projection and very little adjusting was necessary in the plotting. The old shoreline was of no value.
except near stations where the shore was rocky, as the old
topography is very much in error.

Discrepancies From Old Topography

The outer shoreline agrees fairly well with this sheet, but
the inside topography is all wrong. There seems to have been a large
amount of sketching in the original survey.

Names examined and compared with chart 1249 and H 5542
and approved with the following additions
Grouper Creek, Bagge's Creek and
Little Buffonwood Sound also Key Largo.
The names appearing on this sheet are those on chart 1249. A
lake not shown on the chart is locally named Lake Simmons. This name
was obtained by Lieutenant O. S. Reading during an inspection in
1929 from a man who owns a gasoline wharf at Key Largo, Florida.

SYMBOLS

Standard topographic symbols were used throughout the sheet.
A broken line with a bluff symbol was used to show the junction
between high and low ground.

Respectfully submitted,

[Signature]
Marshalling Reese,
Aid, C. & G. Survey.

APPROVED:

[Signature]
O. S. Reading,
Chief of Party.

APPROVED

[Signature]
K.T. Adams
FIELD RECORDS (0)

[Signature]
L.O. Colbert
Chief, Division of Charts

[Signature]
Chief, Section Field Work

[Signature]
Chief, Div. of Hyd’y and Top’y