

3580

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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. H. Tittman
Superintendent.

State: FLORIDA.

DESCRIPTIVE REPORT.

Sheet No. 3580

LOCALITY:

Outer Reef

East of Key West.

1914.

CHIEF OF PARTY:

N. H. Heck
Assistant.

11-4045

3580

Sheet No. ~~3570~~

FLORIDA.

, Outer reef, east of Key West.

----- 1914. -----

February 5, ----- March 6.

N. H. Heck, Assistant, Chief of Party.

J. A. Daniels, A I D .

Geo. Olsen, Watch Officer .

Harry Leyboldt, A I D .

E. W. Eickelberg, " .

W. H. Clark, " .

Maurice E. Levy, " .

Carl S. Risvold, Deck Officer

Scale:- 1/15000

Tide Gauge, - Key West Automatic .

Hydrographic Sheet No. X 3580

The purpose of the area dragged on Hydrographic Sheet No. 4, was to develop shoal ridge outside of the outer reef.

The work extends from a point about two miles E. by S. of Beacon No. 5 and follows the ridge to a point two miles S.W. of Maryland Shoal, an area about Eight miles long and about 1/2 mile wide.

The western extremity of the work was done to complete the development of a ridge, started last season. In the remainder of the work two important ridges were developed.

Commencing about one mile E. S. E. of Western Sambo, the first ridge extends for a distance of one mile in an E. N. E. direction, with depths varying from 30 to 38 feet. The other ridge is located about 1/4 mile south and runs parallel to the first ridge, with depths varying from 30 to 39 feet.

At position 26, C day, the drag parted with current conditions too unfavorable to determine whether parting was due to structural weakness of drag, or having struck ~~ex~~ shoal. Owing to limited time and distance from Key West, there was no opportunity to complete the development.

Position not determined by triangulation.

<u>Lump</u>	44°	29'	809 ^m
	81	40	1047

REMARKS.

Lump is highest point of wreckage
on Middle Sambo Sand ridge.

Florida Reefs,
Key West, Florida.

STATISTICS.

Sheet No. 4-1914.

Date.	Day.	Vol.	Angles.	Miles.	Drag Length	Soundings.		Remarks.
						Number	Angles.	
Feb. 5	A	1	180	3.5	3000	10	20	
24	B	1	108	1.5	3000	19	58	
Mar. 6	C	1	192	5.5	3000	3	9	
			480	10.5		32	87	

Summary.

Total No. Angles----- 567
 " No. Miles ----- 10.5
 " No. Soundings ----- 32
 " No. Square miles ----- 4

E. M.

June 5, 1914

HYDROGRAPHIC SHEET 3580.

Pelican Shoal to Western Sambo, Florida, by
Assistant N. H. Heck in 1914.

TIDES.

	Key West ft.
Mean low water, or plane of reference on staff	4.1
Lowest tide observed " "	2.8
Highest " " " "	7.5
Mean range of tide	1.2

Hyd #3580

The area dragged covers a strip outside of the outer reef.

The minor inaccuracies in plotting noticed are as follows:

Sounding \sqrt{B} was not plotted in the exact place and the 'F' end of the drag at \sqrt{A} was inaccurately plotted.

J.B. Shkelton

Aug. 4-1914.