

2671

83  
S.H.A.  
2671  
1904

Diag. Ckt. No. 1251-1 & 1251-2

Treasury Department,  
U. S. COAST AND GEODETIC SURVEY.

*O. N. Johnson*  
Superintendent.

State: *Florida*

DESCRIPTIVE REPORT.

*Hyd.* Sheet No. *2671*

LOCALITY:

*Key West Harbor*  
*S.W. Channel*

1904

CHIEF OF PARTY:

*Fred A. Young, Asst.*

U. S. COAST & G. SURVEY,  
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MAY 3 - 1904  
Acc. No. 2671.

*Preliminary  
Tracing*

2671

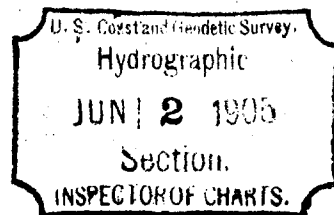
Description.

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This tracing is taken from the smooth Hydrographic sheet #1, survey of S.W. Channel, Key West Harbor, showing the location and shoalest water on twenty seven shoals discovered by means of the Channel Sweep and afterwards carefully located by whal-boat party. As all of these are quite small, ranging from 10 to 30 metres in diameter, only the position showing the shoalest water was transferred from the smooth sheet, this sufficing for the correction of charts until the transmittal of the smooth sheet to the office. These shoals are all of coral formation and found in groups with deep water between them.

The volume of soundings accompanying the tracing contains angles and soundings on all the lines run. They are being plotted on the smooth sheet, and are sent for verification or information concerning the shoals shown on tracing. The soundings are all reduced for tide.

Report  
on  
Hydrographic Sheet  
No. 2671,  
Key West,  
Southwest Channel,  
Florida.  
Assistant Young,  
1904.



The lines of soundings on this sheet were originally protracted on two sheets, 2671 and 2671bis, but owing to an error in field protractor, which made a difference of 0 to 40 meters, the positions were re-protracted and the work combined on a new sheet. There were differences in the projections also as follows:

Key West Lt. to N.W. Passage Bea.	2671	1.96 meters short		
	2671bis	4.96	"	"
East Crawfish	2671	6.00	"	"
	2671bis	51.20	"	"
West Crawfish	2671	5.29	"	"
	2671 bis	61.29	"	"
Woman Bay	2671	1.57	"	"
	2671bis	79.57	"	"
Beacon 3	2671	6.00	"	"
	2671bis	70.00	"	"
Main Ship Channel Bea.	2671	7.28	"	"
	2671bis	57.28	"	"
Main Ship Channel Beacon to N.W. Passage Beacon.	2671	5.00	"	"
	2671bis	99.00	"	"

Owing to the distance to and the location of signals, there is a swing, which made the location of the positions of boat somewhat uncertain. The selection of the signals was not always the best and some were complete swingers.

In turning from end of line 38I day, the drag struck a shoal, with a net depth of 29 feet. It is supposed that a

guide buoy was dropped immediately, and the dinghy was lowered to examine the shoal. The first line run in the dinghy 40-41-42 is west of the place where drag struck (39), and angle 41 locating the guide buoy is 90 meters west of position 39. Then the guide buoy was passed again between 43 and 44 about 70 meters. A shoal was developed about 440 meters west of position 39, after which the dinghy returned to the ship. Another line was started to the eastward beginning at position 57I; at position 58 the drag struck, with a net depth of 29 ft. A guide buoy was dropped and the dinghy lowered as before. The first line run in the dinghy (pos. 59-60) the guide buoy was passed 120 meters west of position 58. Line 61-62 is 150 meters west of position 58 and the shallowest spot found is 250 meters west of position 58, which shows very conclusively that the guide buoy, in both developments, was drifting to the westward.

F. C. Denn. (Signed).

Applied to comp. 576 F.M.A. Dec. 1940.