

2738

Diag. Cht. No. 1251-2

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey *Hydrographic*
Field No. Office No. *2738*

LOCALITY

State *Florida*
General locality *Approaches*
Locality *to Key West*
Harbor

1905

CHIEF OF PARTY

P. A. Welker

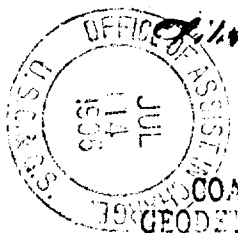
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Treasury Department,
U. S. COAST AND GEODETIC SURVEY.

O. H. Tittmann
Superintendent.

State: Florida

DESCRIPTIVE REPORT.

Hydrographic Sheet No. 2738

LOCALITY:

Approaches

to

Key West Harbor

1905

CHIEF OF PARTY:

P.A. Welker, Ass't, C. & G.S.

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EXPRESS OFFICE:

Department of Commerce and Labor
COAST AND GEODETIC SURVEY Str. "Bache",
Baltimore, Maryland,

July 11th, 1905.

Mr. O. H. Tittmann,
Superintendent, Coast and Geodetic Survey,
Washington, D. C.

ACKNOWLEDGED

JUL 15 1905

C. & G. SURVEY ARCHIVES

S i r :-

In obedience to Instructions and Memoranda for Descriptive Reports, 1887, I have the honor to submit the following report on Hydrographic Sheet No. 2738.

2. This work consists of an hydrographic resurvey of the South East Channel, entrance to Key West Harbor, Florida.
3. The charactor of the bottom is mostly hard and irregular in contour. Numerous coral heads are to be found, and the narrow channel cannot be considered safe for vessels drawing over 16 feet of water, unless all of the dangerous spots are accurately buoyed. The shoals and coral heads rise abruptly from deep water and the lead cannot be relied upon for giving warning in approaching the same.
4. Owing to the strong currents sweeping around the shoals, compass courses cannot be relied upon unless corroborated by other evidence.
5. The system used in developing the channel was to run lines approximately parallel with its axis at a distance of from

(2)

10 to 70 metres apart. In all of the lines a drag, sweeping a width of about 10 metres and set to a depth of from three to five fathoms was used, the depth to which the drag was set varying according to the contour of the bottom.

6. No further descriptive report is considered necessary.

Very respectfully,

P. A. Welke.

Assistant, C. & G. Survey,

Commanding.

Department of Commerce and Labor

Exp. Sheet #2738

*The plotting was well done and the
ends well kept.*

A. L. Simons

Sept 6 1905