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C. & G. SURVEY,
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MAR 7 1912

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: *Florida*

DESCRIPTIVE REPORT.

Hyd Sheet No. *3299*
3300

LOCALITY:

Florida Reefs

1911

CHIEF OF PARTY:

H. C. Hodgkins

11-4845

3299
3300

3299

C. & G. SURVEY

MAY 5 1921

ADD. NO.

3299

ADD'L WK.

Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: FLORIDA

11-4015

DESCRIPTIVE REPORT.

Hydrographic Sheet No. 3299
Field No 6

LOCALITY:

Florida Reefs

Four Miles

NN.W. MARQUESAS KEYS

1920

CHIEF OF PARTY:

F. B. T. Siems



3300

Diag. Cht. 1252-2

See Hyd sheet

3300. To Report
Department of Commerce and Labor

COAST AND GEODETIC SURVEY

Superintendent.

State: *Florida*

DESCRIPTIVE REPORT.

Hyd Sheet No. *3300*

LOCALITY:

Florida Reef

1911

CHIEF OF PARTY:

H. C. Hodgkins

11-4645

3300
See Hyd. 3299

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The finished Hydrographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 3299

State FLORIDA Field No 6

General locality Florida Reefs, Vicinity of Marquesas Key .

Locality . 4 miles N.N.W. of Marquesas Keys.

Chief of party . . F.B.T.Siems

Surveyed by . F.B.T.Siems

Date of survey . July 2, 1920 to July 15, 1920.

Scale of boat sheet 1:20,000

Soundings in

Plane of reference . Mean low water, Marquesas Key tide station.

Protracted by Soundings in pencil by

Inked by Verified by

Records accompanying sheet (check those forwarded):

Des. report, Tide books, _____ Marigrams, Boat sheets,

Sounding books, _____ Wire-drag books, _____ Photographs.

Data from other sources affecting sheet Triangulation, 1920. .

Remarks:

DIRECTOR
ADDRESS THE SUPERINTENDENT
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO.

41/VFB

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON May 20, 1921.

Division of Hydrography and Topography:

Division of Charts:

Tidal reductions are approved in
1 volume of sounding records for

HYDROGRAPHIC SHEET 3299

Ellis Shoal, N. W. of Marquesas Key, Florida
F. B. T. Siems in 1920

Plane of reference is
Mean low water, reading

1.2 ft. on tide staff at Marquesas Key

Condition of records: Satisfactory.



Chief, Division of Tides and Currents.

Descriptive Report to accompany
Hydrographic Sheet _____
Field No. 6.

- Locality:** An area about 2-1/2 square miles was covered by sounding lines surrounding shoal area reported by the U.S.S. Ellis in about Latitude 24°-39' N, longitude 82°-11' W, about 4 miles N.N.W. from Marquesas Keys, Florida.
- Control:** A water signal "Wat" was erected in 2 fathoms of water and was located by triangulation by sextant angles, at the signal and by theodolite directions from triangulation station Pass and North. All the work is based on the three triangulation stations Wat, North and South.
- Methods:** The sounding lines were spaced about 100 meters apart and extend along the probable track of the ELLIS during the event of striking the shoal.
- Results:** Except for a coral shoal of comparatively small extent the area covered was found to have a general uniform sloping depth of about 5 to 7 fathoms.
- During the further development of the shoal area mentioned, a coral boulder of yellow appearance was sighted and found to have a depth of only 7.2 feet at mean low water.
- Tides:** Tides were observed at Marquesas Keys during the progress of the sounding.
- Plotting:** This work could be very readily plotted on a former smooth sheet including the area of the soundings and the three signals used namely Wat, South and Pass.

Hydrography Northwest of Marquesas Key, Florida. Sheet # 6.

Date	Letter	Volume	Positions	Sdgs.	Miles.			
July 2, 1920	A'	1	7	69	1.4	Ship,	hand	lead.
July 8, 1920	B'	1	83	575	19.0	"	"	"
July 9, 1920.	C'	1	95	549	19.8	"	"	"
July 15, 1920.	D'	1	67	444	2.9	"	"	"

Respectfully submitted

F. B. T. Siems

F. B. T. Siems

Chief of Party, C. & G. S.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
WASHINGTON

SECTION OF FIELD RECORDS.

REPORT ON HYDROGRAPHIC SHEET 3299 (additional work)

Surveyed in 1920.

Chief of Party: F. B. T. Siems. Surveyed by F. B. T. Siems

Protracted and soundings plotted by J. D. Torrey.

Verified and inked by E. M. Vincent.

1. The records as well as the plan and character of development conform to the requirements of the General Instructions.
2. The plan and extent of development satisfy the specific instructions.
3. The crossings are good and the development is sufficient to permit the usual depth curves to be drawn.
4. All the work on the smooth sheet was done in the office.
5. No further surveying is required in the vicinity of this shoal.
6. The character and scope of the surveying is good.
7. Reviewed by E. P. Ellis, June, 1921.
8. Two copies of this report to be sent to Division of Hydrography and Topography.

VEC
Oct. 6, 1911

HYDROGRAPHIC SHEET 3299.

Florida Reefs, Florida, by Asst. W. C. Hodgkins in 1911.

TIDES.

	Key West	Boca Grande	Key	Marquesas	Rebecca Shoal
Mean low water, or plane of reference on staff	ft. 2.6	ft. 1.2	ft. 1.0	ft. 2.3	ft. 2.3
Lowest tide observed " "	1.3	0.5	0.1	0.8	0.8
Highest " " " "	6.0	3.6	3.1	4.6	4.6
Mean range of tide	1.2	1.3	1.2	1.1	1.1

Coast and Geodetic Survey

OCT 9 1911

TIDAL SURVEY

C. & G. SURVEY, 9
LIBRARY AND ARCHIVES
MAY 7 - 1912
Acc. No. _____

Hyd Sheet No 3299

For report see Hyd Sheet No 3300

VEC
Oct. 20, 1911.

HYDROGRAPHIC SHEET 3300.

Florida Reefs, Florida, by Assistant W.C.
Hodgkins in 1911.

TIDES.

	Key West	Boca Grande	Rebecca
	ft.	Key ft.	Shoal ft.
Mean low water, or plane of reference on staff	2.6	1.2	2.3
Lowest tide observed " "	1.3	0.5	0.8
Highest " " " "	6.0	3.6	4.6
Mean range of tide	1.2	1.3	1.1

Coast and Geodetic Survey
OCT 20 1911
TIDAL DIVISION

Agd Sheets Nos 3299+3300

Dec. 2, 1911.

It is doubtful if any of the area, inside of the 60 ft curve, covered by this survey is developed sufficiently, with the exception of New Ennoid Shoal. Between Rebecca Shoal Lt and Half Moon Shoal the ground is only partly developed.

The development of the shoal south of O'D should have been carried further to the eastward as this shoal is apparently a part of the ridge which extends westward from Sand Key Lt on a line with Marquesas Pk buoy.

Here lines were run by compass and log and fell on the area covered with soundings, located by sextant angles. They have not been plotted. There appears to be no good reason for running lines by compass & log over any part of this area.

H. L. Simmons

Verified by J. D. Torrey.