

4564

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Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
E. Lester Jones, *Director*

C. & G. SURVEY
L. & A.
NOV 8 1928
Acc. No.

State: Florida

DESCRIPTIVE REPORT

Topographic | Sheet No. " J " |
Hydrographic | **4564**

LOCALITY

Gulf Coast

Development off Egmont Channel

1926

CHIEF OF PARTY

Ray L. Schappe

December 11, 1926.

(11)

Division of Hydrography and Topography:

Division of Charts:

Tide reducers are approved in
1 volumes of sounding records for

HYDROGRAPHIC SHEET NO. 4564

Locality: FLORIDA WEST COAST.

Chief of Party: R. L. Schoppe

Plane of reference is M L W
2.9 ft. on tide staff at Edgemont Key.

For reduction of soundings, condition of records satisfactory
except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A. M. or P. M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of each day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.

G. Wade

Chief, Division of Tides and Currents.

DESCRIPTIVE REPORT

HYDROGRAPHIC SHEET "J"

EGMONT CHANNEL

LAT. 27° 36' N LONG. 82° 50' W

STEAMER BACHE

RAY L. SCHOPPE

COMMANDING

DESCRIPTIVE REPORT

HYDROGRAPHIC SHEET "J"
(Egmont Channel)

Lat. 27° 36' N Long. 82° 50' W

Following your instructions of June 22, 1926 for further sounding to be done on shoal areas in Egmont channel, this work was taken up and completed on July 16.

Close lines were run over the two areas with the hydrographic launch and the knobs in question identified. The indications are that the two on the outer area are not as shoal as was reported and that the knob on the inner area is only a continuation of the extensive shoal area to the Northward and is likewise not so shallow as reported. A minimum depth of 19ft. at M. L. W. was found on the outer area 500 meters SE from the danger buoy and 20ft. at M. L. W. immediately South from the danger buoy.

No unusual methods were used in this work.

The records covering this work are being transmitted under separate cover.

Respectfully submitted

C. H. Quinn

*Approved, Aug. 30, 1926,
Ray G. Schaffer,
Chief of Party.*

Date, 1926	Letter	Volume	Positions	Soundings	Miles Statute	Vessel
July 16	a	1	105	368	18.0	Lch. #1
TOTAL			105	368	18.0	

C.03.

IN REPLY ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY
AND NOT THE SIGNER OF THIS LETTER

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

AND REFER TO No. 11-DEM

WASHINGTON March 31, 1927.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4564

Egmont Channel, Tampa Bay, Florida

Surveyed in 1926

Instructions dated June 22, 1926 (BACHE)

Chief of Party, R. L. Schoppe

Surveyed by C. A. Egner

Protracted and plotted by C. A. E.

Verified and inked by C. E. Christopherson

1. The records conform to the requirements of the General Instructions.
2. The plan and character of development satisfy the General Instructions except that on "A" day (positions 1 - 25) a weak fix was used. The result was that on verifying this portion of the work in the office, using a carefully adjusted protractor and taking every precaution in plotting, the work plots considerably to the westward than was shown by the field plotting, and practically covers the same area as the work on the latter part of the day.
3. The plan and extent of development satisfy the specific instructions, although a few additional lines to the eastward of Palatine Shoal would have been desirable.
4. The field plotting was completed to the extent prescribed in the General Instructions, but as has already been mentioned, the work on "A" day that was dependent on a weak fix was plotted from 200 to 500 meters in error.
5. A study of the results of this survey as well as the survey of 1924 (H. 4379) leads to the following conclusions:
 - a. The northwestern end of Palatine Shoal, where 17 ft. is now charted, has deepened to 25 to 29 feet.
 - b. The southeastern end of the shoal where 18 feet is now charted has deepened to 21-25 feet, but the shoal seems to have

shifted to the southward about 240 meters with a least depth of 19 feet. There are no soundings in the immediate vicinity of the new location of the shoal on either the old survey H. 1262 or the more modern survey, H. 4379.

c. The 16 and two 17 foot soundings on the north side of Egmont Channel, vicinity of Lat. 27° 37', Long. 82° 49 1/2', seem to have deepened to 19 feet.

d. Where this survey joins the 1924 survey the soundings are in good agreement.

6. No additional work is necessary and it is recommended that the charts be corrected in accordance with the results of this survey.
7. Attention is called to the fact that the horizontal striped buoy as located by this party lies about 270 meters in a southeasterly direction from its present charted position. It appears to be in a proper location for marking the shoal.
8. Character and scope of field operations - good.
Field drafting - fair.
9. Reviewed by A. L. Shalowitz, March, 1927.

Approved:

A. J. Giacomini

Chief, Section of Field Records (Charts)

L. O. Pollock

Chief, Section of Field Work (H. & T.)

Report on H. 4564

The sounding record is complete and conforms to the requirements of the General Instructions.

The office plotting shifts positions 1a to 25a a distance of 280 meters to 500 meters in a northwesterly direction from the location of the field plotting. This is evidently due to a weak fix and a probable error in the field protractor.

This shift places the work over the same area covered by positions 26a to 57a. The latter positions are located by strong fixes. Therefore the work from 26a to 57a was plotted first. Then positions 1a to 25a were plotted on tracing paper and those positions that gave shoaler soundings or covered additional area were transferred to the smooth sheet.

The field drafting conforms to the requirements of the General Instructions.

1-22-27

C. L. Christopherson

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4564

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. J

REGISTER NO. 4564

State Florida

General locality Tampa Bay, Gulf Coast Florida

Locality Egmont Channel

Scale 1:40,000 Date of survey July 1926

Vessel Str. B.C.M.

Chief of Party Ray L. Schorpe

Surveyed by C. A. Egner

Protracted by C. A. Egner

Soundings penciled by C. A. Egner

Soundings in ~~Fathoms~~ feet

Plane of reference M. L. W.

Subdivision of wire dragged areas by

Inked by

Verified by

Instructions dated June 3, 1924, Dec. 3, 1925, Jun 22, 1926

Remarks: