

1235 c

Diag. Cht. No. 1257

Form 504 <b>DEPARTMENT OF COMMERCE</b> U. S. COAST AND GEODETIC SURVEY	
State: Florida	
11-5613	
<b>DESCRIPTIVE REPORT.</b>	
Hyd	Sheet No. 1235 c
LOCALITY:	
Tampa Bay	
St. Petersburg	
1925	
CHIEF OF PARTY:	
R. P. Eyman	

1235 c

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 1235<sup>o</sup>

Port of St. Petersburg, Florida

Surveyed November 7, 1925

Instructions dated June 3, 1924

Chief of Party, R. P. Eyman.

Surveyed by Field Party.

Protracted and soundings plotted by Field Party.

Verified and inked by G. Risegari.

1. This survey includes a hydrographic examination of the turning basin in the Port of St. Petersburg, Florida, as well as the topography in the immediate vicinity. The sheet represents the conditions as existing on November 7, 1925.
2. The records conform to the requirements of the General Instructions except as follows:
  - a. The customary stamp at the beginning of the day's work was omitted.
  - b. No tests for leadline are shown, but a notation O. K. was entered in the column for leadline correction.
  - c. The field party used a datum that was 1.2 ft. too low (see letter 41 BCM, January 23, 1926, from Tide Division to Chart Division) which made the tide reducers too great by this amount. These corrections were made in the office and had the general effect of increasing all the soundings by about 1 ft.
  - d. The first line of soundings south of the wharf was plotted directly on the sheet by the field party without entering the soundings in the record book. No fix could be obtained for this line on account of being too close to the high dock.
  - e. The line of soundings run in the channel easterly from the turning basin and shown on page 5 of the sounding record could not be plotted inasmuch as no distance was given from the various objects that are noted as abeam. However, this sounding line is not so important since it was run too close to the channel beacons for the best water and was later rerun and the

results shown on a tracing sent in by the Field Party. (See letter of R. P. Eyman, Feb. 27, 1926, attached to letter 530 in Chart Division.)

3. The plan of development satisfies the General Instructions.
4. The development is sufficient.
5. The sounding line crossings are adequate.
6. The usual depth curves could be drawn.
7. The field plotting was completed to the extent prescribed in the General Instructions.
8. There are no adjacent surveys in this area.
9. Attention is called to the fact that the surveys made by the City Engineer of St. Petersburg and shown on blueprints 20185 and 20222 are based on a datum 1.1 ft. lower than the Coast and Geodetic Survey datum. Therefore 1.1 ft. should be added to all the soundings on the blue prints before they are applied to the charts. (See letter of R. P. Eyman (HYDROGRAPHER) dated February 27, 1926, attached to letter 530 in Chart Division).

It is to be noted that after applying this correction to the City Engineer's soundings there is still a slight difference from our soundings, in places amounting to 1 ft. There is no way to account for this.

10. Attention is further called to the fact that the note shown on chart 177 as the controlling depth in the entrance channel was based on the statement made in letter 530 (R. P. Eyman) which statement was in turn based upon a sounding line to which an erroneous reducer was applied (See paragraph 2, c). This line is not plotted on this sheet for reasons mentioned in paragraph 2, e.

It is therefore recommended that the note "18 ft. Nov. 1925" now shown on chart 177 be changed to 19 ft. This depth is corroborated by the subsequent soundings taken by the field party in Feb., 1926 and plotted on a tracing by the field party & filed with H-1235<sup>c</sup>.

11. No further surveying is necessary within the limits covered by this sheet.
12. Reviewed by A. L. Shalowitz, April, 1926.

December 28, 1925.

~~Division of Hydrography and Topography:~~

Division of Charts:

Tide reducers are approved in  
✓ volumes of sounding records for

HYDROGRAPHIC SHEET NO. 1235c

Locality: Bayboro Hbr., Tampa Bay, Fla.

Chief of Party: R. P. Eyman in 1925

Plane of reference is  
2.6 ft. on tide staff at St. Petersburg

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.
- x 3. Time meridian not given at beginning of day's work.
- x 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.



Chief, Division of Tides and Currents.