

4085

SEP 26 1919
Acc. No.

Form 504
DEPARTMENT OF COMMERCE
 U. S. COAST AND GEODETIC SURVEY

State: *Virginia*

11-5613

DESCRIPTIVE REPORT.

Hyd. Sheet No. **4085**

LOCALITY:

Newport News

191*9*

CHIEF OF PARTY:

Potter, L. A.

4085

POST-OFFICE ADDRESS:

TELEGRAPH ADDRESS:

EXPRESS OFFICE:

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT TO

ACCOMPANY HYDROGRAPHIC SHEET No. 44085

1. This sheet, on a scale of 1:10000, covers the area of deep water off the water-front at Newport News, and a-part of the flats on the western side of the channel. It was done from Aug. 21 to Sept. 4, 1919, under orders dated Nov. 14, 1918, supplemented by verbal instructions from the Chief of the Section of Field Work. The object in doing this small area was to complete with the two sheets already completed, the hydrography on chart No. 400.

2. The currents covering this area are very strong, and considerable trouble was experienced in running the east and west lines.

3. Tides,- Tides were observed for the period of the work at Newport News, near the middle of the eastern side of the sheet. An automatic tide gauge was also in operation at Old Point Comfort.

4. Coast Pilot,- The description of Newport News, on page 130 of Coast Pilot, Section C, is correct at present. Vessels anchor on the western-side of the channel off Newport News, and on the eastern side south of the wharves, and at various places in Hampton Roads.

5. Prominent Objects,- In a report dated June 14, with accompanying "Landmarks for Charts," all prominent objects recommended to be-charted were listed.

L. A. Potter,

L. A. Potter, H. & G. Engineer,
Chief of Party.

POST-OFFICE ADDRESS:

TELEGRAPH ADDRESS:

EXPRESS OFFICE:

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U. S. COAST AND GEODETIC SURVEY

STATISTICS SHEET No. 4085

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Date 1919	Let- ter	Volume	Posi- tions	Sound- ings	Miles Statute	Vessel
Aug. 21	a	1	47	305	8.0	Navy Launch
" 26	b	1	106	630	13.7	" "
" 28	c	1	149	588	6.0	Dery Launch
Sept. 3	d	1 & 2	104	665	19.3	Navy Launch
" 4	e	2	116	701	16.3	" "
5	5	2	522	2889	63.3	

See Vol. 1 of sounding records for list of signals.

ADDRESS THE SUPERINTENDENT
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO.

41-EMK

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

FIELD RECORDS (C)

January 6, 1920.

Division of Hydrography and Topography:

Division of Charts:

Tidal reductions are approved in
2 volumes of sounding records for

HYDROGRAPHIC SHEET 4085

Off Newport News Wharves, Hampton Roads, Va.
L. A. Potter, in 1919

Plane of reference is
Mean low water, reading

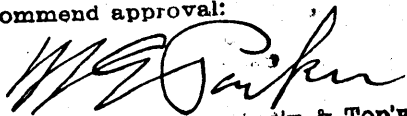
1.9 ft. on tide staff at Newport News, Va.

Condition of records as received from field,
very satisfactory.



Chief, Section of Tides
and Currents.

Recommend approval:



Chief, Div. of Hyd'y & Top'y.



Hydrographic Sheet 4085

Newport News Narrows, Va.

Surveyed in 1919 by L. A. Potter

The crossings of the sounding lines on this sheet are good, indicating that the field and office work of this survey are up to the Coast Survey standard.

The distances between the sounding lines are somewhat greater than called for in the instructions, but as there do not appear to be any indications of shoals it is considered that the development is sufficient.

The records are well kept and the descriptive report is sufficiently comprehensive.

The sheet is ready for approval.

E. P. Ellis

March 19, '20

The boat sheet should be destroyed

E. P. E.

Report on Hyd. 4085

The work in general is very good. The ground within the limits of the work is fairly well covered and shoal soundings sufficiently developed.

Protracting good.

The curves on the average are slightly irregular due to differences of from one to three feet in sounding at crossings.

There were no unusual developments.

Soundings in blue from the work of Capt. Latham (Hyd. 4011 & ~~survey from~~ 1918) were reduced to scale and entered ~~into~~ ^{into} 4085 - ~~its~~ ^{its} support lines wherever were used as ~~control~~ ^{no} there being no projection or geographic locations ~~for~~ ^{for} 4011.

W. MacEwen

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. 4085

State . . . Virginia

General locality . Hampton Roads

Locality . Off. Newport News Wharves

Chief of party . . . L. A. Petter

Surveyed by . . . L. A. Petter, H. P. Odessey, J. W. Cox.

Date of survey . . . Aug. 21-Sept. 4, 1919.

Scale 1:10000

Soundings in Feet

Plane of reference . . . Mean Low Water

Protracted by B. H. R. . . . Soundings in pencil by B. H. R., W. F. M., J. W. C.

Inked by Verified by

Records accompanying sheet (check those forwarded):

Des. report, 1 Tide books, _____ Marigrams, 1 Boat sheets,

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

Data from other sources affecting sheet

Remarks: