

3977



Diag. Ch. No. 1206-2

29

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

State: N. H.

11-5613

DESCRIPTIVE REPORT.

Hyd'c Sheet No. 3977

LOCALITY:

Portsmouth
Harbor Approaches

1917

CHIEF OF PARTY:

J. H. Peters

2263
3977

Department of Commerce
Coast and Geodetic Survey

E. Lester Jones
Superintendent

Descriptive Report
to accompany
Hydrographic Sheet No 3977

Approaches to Portsmouth
New Hampshire

As surveyed by
Wire Drag Party No 1

J. H. Peters
Chief of Party

1917

Scale 1 - 20,000

PROGRESS CHART

SHOWING CONDITION OF RECORDS OF

Hydrographic Sheet No. 3977 Field No. 2

Wire drag survey of Coast of New Hampshire

Scale 1-20,000

Date of Survey _____

Surveyed by J. H. Peters

Day	DATE	Signaled angles compared	Distances entered	Distances checked	Length of upright entered	Length of upright checked	Correction entered	Correction checked	Drag depth entered	Drag depth checked	Reducers entered	Reducers checked	Effective depth entered	Effective depth checked	Effective depth diagram entered	Effective depth diagram checked	Positions plotted	Dragged strip traced	Tracing checked	Area subdivided	Subdivision checked	Transferred and inked	Compared with chart
A	May 16		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
B	Aug 28		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
C	Sept 12		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							

Descriptive Report to accompany
Hydrographic Sheet No. 3977

Approaches to Portsmouth N. H.

Locality -

This sheet embraces the water work along the coast of New Hampshire and Massachusetts, over the South approaches to Portsmouth. It extends from Wallis Sands Light, Seabury Station, New Hampshire, to about including Westbury - port Harbor, Massachusetts.

The Eastern limit of the sheet is meridian $70^{\circ} - 35' - 20''$ on the north corner and $70^{\circ} - 40' - 20''$ on the south corner.

General features -

Only three days work have been done on this sheet so practically all the work remains to be done. Over the strip which was done, the prevailing bottom depth measured was about 40 feet. Several shoals were located with less depth than those charted, which would indicate the necessity for further work in this

Vicinity.

Control was by hydrographic signals previously established and few auxiliary signals set in by sextant in the course of the work.

Tidal reduction for the records was from mean hourly readings of a staff gauge, located in Peppwell Cove, Ketchikan Point main. The datum used is mean low water as established at Portland main.

The four splits in the area already dug out have not been covered.

Respectfully submitted
Edward M. Wilbur.
Aid U.S.S.

J. S. G.
HYDROGRAPHY ETC., (HT)

ADDRESS
U. S. COAST AND GEODETIC SURVEY
WASHINGTON, D. C.

REFER TO NO.

CHARTS (H) ←

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

5-VEC

February 26, 1918.



LIBRARY

Place with descriptive report
of hydrographic sheet No. 3977

Division of Hydrography and Topography:

Division of Charts:

J.P.T.
Drawing Section.

Tidal reductions have been approved in
2 volumes of Wire Drag and Sounding records for

HYDROGRAPHIC SHEET 3977

Approaches to Portsmouth, N.H.
J.H. Peters in 1917.

Plane of reference is
Mean low water, reading

3.0 ft. on tide staff at Kittery Point, Me.

L. P. Shidy
Acting Chief, Section of
Tides and Currents.

H. D. Sheet No 3977

All the work on this sheet was plotted on the smooth sheet of Hyd. 3974 and is incorporated in the A. and D. sheet of that number.

A tracing, which accompanies the sheet, shows the discrepancies which exist between the soundings as they were shown on the boat sheet and as they were plotted on the smooth sheet from the records.

R. L. Johnston