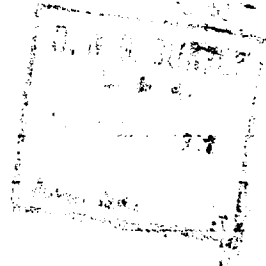


4017A



4017A

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

State: _____

11-5613

DESCRIPTIVE REPORT.

Hyd. Sheet No. 4017^a

LOCALITY:

191

CHIEF OF PARTY:

DESCRIPTIVE REPORT

Wire Drag Hydrographic Sheet

No. (1a) 4017^a

The work shown on this sheet is the wire drag survey of the submarine trial course established by the Lake Torpedo Company off Port Jefferson, N.Y.

The drag work is plotted on a tracing of the smooth sheet on which the hydrographic work is plotted.

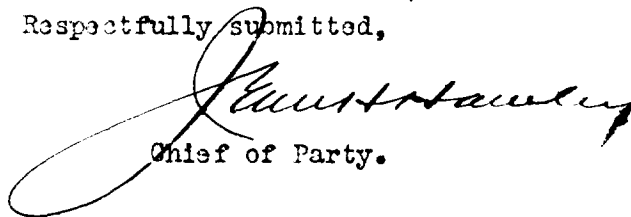
Only one shoal was found in this area; a 78 foot sand shoal near the northwest corner of the area covered.

The following color scheme is used to show effective drag depths:

60 to 79 feet Purple
80 feet and over Orange

Tidal observations for the reduction of this work were obtained at a gauge on the east breakwater at the entrance of Port Jefferson harbor.

Respectfully submitted,



Chief of Party.

Statistics Sheet
Wire Drag Hydrographic Sheet No. (1a) **4017** ^a

Survey of trial course of the Lake Torpedo Boat Company off Port Jefferson, N.Y.

Date 1918	Letter	Vol.	Positions.		Soundings.		Miles, Statute	Length of Drag.
			No.	Angles	No.	Angles		
5/3	A	I	67	402			7.0	4000
5/4	B	I	20	119			3.6	4000
5/6	C	I	49	289	1	2	5.7	5000 2500

Hyd. Sheet No 4017a

As stated in the report on Hyd. 4017, a slight error was found to have been made in plotting the position of the boat from which cut No. 2, locating signal Crane, was taken. The corrected position of signal Crane would be about twenty meters north of the one shown. This would not affect the plotting of the work enough to make a reprotracting necessary.

No drag strip tracings were sent in by the field party and effective depth diagrams were not entered in the records.

When errors were found in the plotting of the drag work, the corrections were made in pencil on the tracing and the pencil lines used in preparing the final tracing, as it is very hard to erase orange ink on tracing cloth without tearing it.

In the plotting of this work by the field party the rule of "one to forty" was not applied.

The ground is entirely covered by the drag with the exception of a small split at about Lat. $41^{\circ}-00'-40''$ Long. $73^{\circ}-06'-45''$

R. L. Johnston