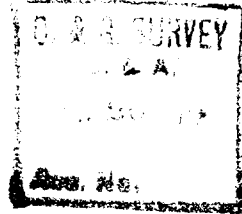


3999



Diag. Chy. No. 6450-4

Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: *Wash*

11-5613

DESCRIPTIVE REPORT.

Hydro Sheet No. *3999*

LOCALITY:

Smith's Cove
Seattle Wash

1917

CHIEF OF PARTY:

John a Daniel

3999

DEPARTMENT OF COMMERCE

U. S. Coast & Geodetic Survey.

DESCRIPTIVE REPORT

to accompany

HYDROGRAPHIC SHEET NO. 3999

Scale 1:5000

Surveyed by John A. Daniels,

1917.

DESCRIPTIVE REPORT

HYDROGRAPHIC SHEET NO. 3999

Scale 1:5000

Surveyed by John A. Daniels.

This sheet covers the approaches to the wharves at Smith Cove, Seattle, Washington. The object of the resurvey was to develop the depths in these approaches, these depths having been changed by dredging operations and other work incident to the construction of the wharves. An area extending to deep water approximately $\frac{1}{2}$ mile on each side of the wharves was covered.

To the westward of the wharves the depths obtained indicate a deepening of the water. The material here is soft mud and the changed contour of the bottom through dredging, together with the deflection of the tidal currents by the wharves may have caused an erosion sufficient to be noticeable. Otherwise there is a discrepancy of nearly a fathom between the present and former survey. At the wharves and to the eastward the depths check charted depths closely.

Tides were taken from the automatic gauge at Madison Street, Seattle, Washington, for reducing the soundings.

The survey was completed during September, 1917, the revision party using the EXPLORER'S steam launch with two men.

Respectfully Submitted:
John A. Daniels
J. H. & H. E.