

4276

C. & G. SURVEY
L. & A.
SEP 6 1927
Acc. No.

4276

Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
State: <u>WASHINGTON</u>
11-5013
DESCRIPTIVE REPORT.
Topographic Sheet No. <u>4276</u>
LOCALITY:
<u>Possession Sound, Port Gardner</u>
<u>Everett Harbor</u>
<u>1927</u>
CHIEF OF PARTY:
<u>G. C. Jones</u>

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET

of

EVERETT HARBOR

Possession Sound

Washington

M. S. NATOMA

G. C. Jones, Comdg.

Season: 1927

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TOPOGRAPHIC SHEET

of

Port Gardner

Everett Harbor

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M. S. "NATOMA" G. C. Jones, Comdg.

Season 1927

AUTHORITY: This work was executed under the Director's orders dated March 23, 1927.

EXTENT: The work done on this sheet extends from Point Elliot at Mukilteo to Preston Point north of Everett.

DESCRIPTION: The shoreline from Mukilteo northeastward to Everett is mostly a rock retaining wall constructed by the Great Northern Railway Company. This has evidently been built since the last Survey of this section and this is shown by the fact that the whole high water line from Mukilteo to the Southern dock in Everett has moved inshore from 30 to 50 meters. The wall is strongly built and it is likely that it is permanent.

Inshore from the railway are steep earth bluffs varying from 30 to about 150 feet in height.

The swamp shown inshore of the railway south of Preston Point was sketched in.

SURVEYING METHODS: The ordinary plane table methods with graphic triangulation were used. The three-point fix was frequently used for checking traverses and for mapping detail.

6448

The rows of dolphins and piles which are shown on the sheet were located by sextant position.

The traverse along Grand Avenue was started from a three-point fix and the check at the end was another fix. The check error in the traverse was about 6 meters in distance and 5 meters in azimuth. This error of closure was distributed along the distance traversed and it is considered that Grand Avenue is well located on the topographic sheet. This is intended for use in connection with tying in the city survey. The surveyed portion is shown in red on the plan of the City of Everett.

DISCREPANCIES AND OTHER NOTES: The high water line from Mukilteo appears to have moved from 30 to 50 meters inshore. There is evidence of erosion in that the Great Northern Railroad Company has constructed a retaining wall practically the whole distance. The shore line here is now permanent.

The water area between the dredged channel and the shore, north from a point almost opposite the Jetty Light House is practically all used for log booms and is studded with dolphins and piles. Only rows of dolphins, shown by small black circles and rows of piles, shown by dots, are mapped.

In the area which is marked "Houses" on the topographic sheet at Preston Point, there is a string of shacks along the high water line and another row along the roadway.

There is a gap in the government jetty northeast of Triangulation Station Gap which is not shown on the Corps of Engineers' plan of the waterfront.

In addition to Triangulation Station Army which is an Army Engineers' traverse station, four additional stations which were recovered are located on the topographic sheet. These are marked "A.E." and inked in red circles.

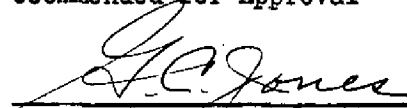
Preston Point as shown on the chart of Everett is locally known as Blackman's Point, so named after the mill here located

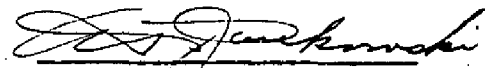
A blueprint of the Corps of Engineers harbor line plan
and a map of the City of Everett are forwarded with the topographic
sheet.

Bps. 21414 + 21415 -

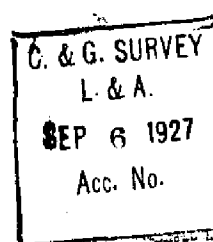
RESPECTFULLY SUBMITTED

Recommended for Approval


G. C. JONES, H. & G. Eng.


A. F. Janowski, Jr. H. & G. Eng

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY



TOPOGRAPHIC TITLE SHEET

The finished Topographic 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. 4276

State . . Washington

General locality . . Possession Sound

Locality . . Port Gardner, Everett Harbor

Chief of party . . G. C. Jones

Surveyed by . . . A. F. Jankowski

Date of survey . April 11 to April 29, 1927

Scale . . . 1-19,000

Heights in feet above . Mean High Water

Contour interval feet.

Inked by . . A.F.J. Lettered by . . . A.F.J.

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Map of the City of Everett, Plan of Everett, Corps of Engineers

U. S. Army,

Remarks:

4276